

# FERTILISER STATISTICS

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# FERTILISER STATISTICS 2015-16



## **The Fertiliser Association of India**

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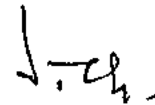
## P R E F A C E

FERTILISER STATISTICS is a valuable repository of fertiliser, agriculture and allied statistics. The publication is brought out every year and updated with latest relevant information for all those engaged in the fertiliser industry and others dealing with or interested in fertiliser and agricultural development. The publication covers a wide range of readership, including fertiliser manufacturers, importers, distributors, equipment manufacturers/suppliers, consultants, vendors, agriculture universities, students, researchers, policy makers, international organizations, and media. Efforts are made to improve the content of the publication every year to make it more useful and reliable. FERTILISER STATISTICS has become a standard source of reference for a wide variety of users.

The current issue is the 61<sup>st</sup> edition of the publication. The book is divided into three parts. *Part I* covers Indian Fertiliser Statistics and has two sections - *Section I* on Fertilisers and *Section II* on Raw Materials & Intermediates. *Part II* deals with Indian Agricultural and Allied Statistics. *Part III* presents World Fertiliser and Agricultural Statistics. Part III comprises of three sections - *Section I* on Fertilisers, *Section II* on Raw Materials & Intermediates and *Section III* on World Agricultural and Allied Statistics.

The current issue contains a few new tables, such as, state-wise status of soil health card scheme; periodical changes in deficiency status of available micro nutrients; gross national income and net national income and foreign exchange reserves in India. In addition, a few new tables are covered for selected countries regarding biofuel production; GDP per capita with dietary energy supply; population and employment in agriculture.

We hope, members of the Association and those interested in the future development of Indian agriculture and the fertiliser industry will continue to find this publication informative and useful. We would welcome suggestions to improve the publication, both in content & form, and make it more useful not only to the existing readership but to others as well, who may be looking for data on the subject for their professional, research and academic activities.



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**SATISH CHANDER**

Director General

The Fertiliser Association of India

New Delhi  
November 22, 2016

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The information, in respect of world fertiliser and agricultural statistics, is based on data contained in the relevant publications and websites of Food and Agriculture Organization of the United Nations (FAO), Rome and International Fertilizer Association (IFA), Paris. In this connection, the cooperation of FAO and IFA is gratefully acknowledged.

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**Authors**

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## FERTILISER STATISTICS – 2015-16

### HIGHLIGHTS OF THE DEVELOPMENT IN FERTILISER AND AGRICULTURE SECTORS DURING 2015-16

#### FERTILISER POLICY

##### 2016

- Promotion on Policy of City Compost (**Page 27**)
- Removal of the minimum capacity utilisation criteria for SSP manufacturing units to be eligible for subsidy under NBS scheme (**Page 27**)
- Revision in the NBS rates for 2016-17 (**Page 27**)
- Revised rates for the direct movement of fertilizers by road from Plant/Port upto 500 Kms (**Page 28**)
- Road Freight rates for Urea manufacturing/importing units under the uniform freight subsidy scheme (**Page 28**)
- Incentives to the retailers for acknowledging the receipt of fertilizer in m-FMS regarding (**Page 28**)
- Coastal Shipping/Inland waterways included under policy for reimbursement of freight (**Page 28**)

#### INDIAN FERTILISER AND AGRICULTURAL STATISTICS – 2015-16

##### Number of Fertiliser Plants

- There are about 165 fertiliser plants in operation in the country. This is comprised of 30 urea, 19 DAP and NP/ NPK complex, 105 SSP, 10 Ammonium Sulphate and 1 Ammonium Chloride plants (**Page I-46**)

##### Capacity and Production of Fertilisers

- Total capacity of N increased marginally from 13.58 million tonnes as on 1<sup>st</sup> November 2015 to 13.61 million tonnes as on 1<sup>st</sup> November 2016. The capacity of P<sub>2</sub>O<sub>5</sub> increased from 7.01 million tonnes to 7.12 million tonnes during the period (**Page I-36**).
- The production of N increased from 12.43 million tonnes during 2014-15 to 13.48 million tonnes during 2015-16. The production of P<sub>2</sub>O<sub>5</sub> increased from 4.12 million tonnes during 2014-15 to 4.43 million tonnes during 2015-16 (**Page I-37**).
- Among the major fertiliser products, the production of urea was 24.46 million tonnes, DAP 3.82 million tonnes, NP/NPK complex fertilisers 8.38 million tonnes and SSP 4.33 million tonnes during 2015-16 (**Page I-48 to I-51**).

##### Import of Fertilisers

- Import of N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O was 5.08, 2.90 and 2.08 million tonnes, respectively, in 2015-16. Among the major fertilisers, the import of Urea was 8.47 million tonnes during the period. The import of DAP, MAP, NP/NPKs and MOP was 6.01, 0.02, 0.63 and 3.24 million tonnes, respectively, during the period (**Page I-54**).

**Sale Points**

- Total number of fertiliser sale points was 300,368 as on 31.3.2016, out of which the share of private channel was 76% and cooperative and other institutional agencies 24% (**Page I-78**).

**Consumption of Fertilisers**

- The consumption of total nutrients was 26.75 million tonnes in 2015-16 as against 25.58 million tonnes in the previous year. The consumption of N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O was 17.37, 6.98 and 2.40 million tonnes, respectively, during 2015-16 (**Page I-81**).
- Among the major fertiliser products, the consumption of urea was 30.63 million tonnes, DAP 9.11 million tonnes, NP/NPK complex fertilisers 8.82 million tonnes, SSP 4.25 million tonnes and MOP (for direct application) 2.47 million tonnes during 2015-16 (**Page I-92 & 93**).
- NPK use ratio was 7.2:2.9:1 during 2015-16 as against 6.7:2.4:1 in 2014-15 (**Page I-106**).
- Per hectare consumption of total nutrients (N+P+K) was 137.6 kg. during 2015-16 as against 131.6 kg in the previous year (**Page I-110**). Per hectare consumption in 112 districts was more than 200 kg during 2015-16 (**Page I-156**). The first five high fertiliser consuming districts were West Godavari, Guntur and Kurnool in Andhra Pradesh; Karimnagar in Telangana and Jalgaon district in Maharashtra (**Page I-148**).

**Retail Prices of Fertilisers**

- The maximum retail price (MRP) of urea continues to remain at Rs. 5360 per tonnes w.e.f. 1<sup>st</sup> November 2012 (**Page I-165**). The MRP of phosphatic and potassic fertilisers are market driven w.e.f. 1<sup>st</sup> April 2010 under the Nutrient Based Subsidy policy.

**Subsidy on Fertilisers**

- Revised estimate of subsidy on all fertilisers during 2015-16 was Rs. 72,438 crore (**Page I-181**).

**Soil Testing and Fertiliser Quality Control Laboratories**

- During 2013-14, total number of Soil Testing Laboratories (STLs) was 1244, out of which 1048 were static and 196 mobile. Total analyzing capacity was 17.83 million (**Page I-197**). During 2014-15 and 2015-16, 180 new STLs and new mobile STLs were added (**Page I-199**).
- Under Soil Health Card Scheme, 207.27 lakh soil samples were collected and 123.73 lakh samples were tested during 1<sup>st</sup> April 2015 to 1<sup>st</sup> November, 2016 (**Page I-200**).
- Total number of Fertiliser Quality Control Laboratories was 78 with an aggregate analyzing capacity of 168,536 during 2014-15 (**Page I-201**).

**Raw Materials & Intermediates**

- Total production of indigenous rock phosphate was 1.36 million tonnes during 2015-16 (**Page I-217**).
- Total despatches of indigenous rock phosphate was 0.93 million tonnes during 2015-16 (**Page I-218**).
- The import of rock phosphate and sulphur was 8.02 and 1.43 million tonnes, respectively, during 2015-16 (**Page I-219**).
- Indigenous capacity of Ammonia was 14.90 million tonnes and its production was 15.07 million tonnes during 2015-16 (**Page I-221 & I-222**).
- Import of Ammonia was 2.19 million tonnes in 2015-16 as against 2.07 million tonnes in the previous year (**Page I-223**).

- Indigenous capacity of Phosphoric acid was 2.19 million tonnes and production was 1.67 million tonnes during 2015-16 (**Page I-224 & I-225**).
- Import of Phosphoric acid was 2.19 million tonnes in 2015-16 as against 1.80 million tonnes in the previous year (**Page I-227**).

#### **Prices of Feedstock**

- Delivered prices of Naphtha ranged between Rs.30250 and Rs.41594 per tonne and F.oil Rs. 15861 and Rs.34281 per kilo litre during 2015-16 (**Page I-230**).
- Delivered prices of N. Gas per '000 SM<sup>3</sup>: (a) APM (GAIL) - Rs.9852-15493, (b) RIL - Rs.12532-17217, (c) PMT (Spot) – Rs. 13828-15771, (d) RLNG (GAIL / IOCL) – Rs. 36121-48933 and (e) RLNG (Spot) – Rs.31412-50038 (Spot) during 2014-15. (**Page I-232 and 233**).

#### **Land Utilisation, Rainfall**

- As per the latest available data, gross cropped area and gross area under irrigation was 194.399 million hectares and 92.58 million hectares, respectively, during 2012-13 (**Page II-4**).
- Out of 36 Meteorological sub divisions, 19 received excess to normal rains during South-west monsoon of 2015. Total rainfall was 14% below the long term average value. About 51% of the total number of districts received normal to excess rains during the period (**Page II-34**).

#### **Production of Principal Crops**

- Production of foodgrains was 252.22 million tonnes during 2015-16 as against 252.02 million tonnes in the previous year. Production of rice, wheat, coarse cereals and pulses was 104.32, 93.50, 37.94 and 16.47 million tonnes, respectively, during 2015-16. Production of oilseeds and sugarcane was 25.30 million tonnes and 352.16 million tonnes, respectively, during the period (**Page II-43 & II-44**).

#### **GVA (GDP)**

- Total GVA grew by 7.2% during 2015-16 as against 7.1 % in 2014-15 (**Page II-114**). Share of agriculture and allied sectors to total GVA was 17% during 2015-16 (**Page II-116**).

### **WORLD FERTILISER AND AGRICULTURAL STATISTICS**

#### **Production and Consumption of Fertilisers**

- World production of N, P<sub>2</sub>O<sub>5</sub>, and K<sub>2</sub>O was 113.3, 53.3 and 41.4 million tonnes, respectively, during 2014. World consumption of N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O was 109.7, 41.4 and 32.6 million tonnes, respectively, during the period (**Page III- 7**).
- Rank of India in world production (of N+P) was 3<sup>rd</sup> next to China and USA during 2014. Rank of India in world consumption (of N+P+K) was 2<sup>nd</sup> next to China during 2014 (**Page III-16**).
- Rank of India in world production and consumption of N was 2<sup>nd</sup> next to China during 2014. In P<sub>2</sub>O<sub>5</sub> production, rank of India was 3<sup>rd</sup> next to China and USA. Rank of India in world consumption of P<sub>2</sub>O<sub>5</sub> was 2<sup>nd</sup>, next to China. Rank of India in world consumption of K<sub>2</sub>O was 4<sup>th</sup>, next to China, Brazil and USA (**Page III-16**).
- Consumption of total nutrients (N+P+K) per hectare of arable land and land under permanent crops in the world was 116.6 kg in 2014. It was 368 kg in Egypt, 424 kg in China, 273 kg in Korea



Rep., 252 kg in Bangladesh, 131 kg in Pakistan and 151 kg (or 132 kg of GCA) in India during 2014 (**Page III-20**).

#### **Prices of Fertilisers**

- Average CFR (India) prices of urea, DAP and MOP was US\$ 279 per tonne, US\$ 459 per tonne and US\$ 332 per tonne, respectively, during 2015-16 (**Page III-28**).

#### **Raw Materials & Intermediates**

- World production of rock phosphate was 197.1 million tonnes in 2014. China, Morocco, USA, Russia and Brazil are the first five major producers of rock phosphate in the world. World production of sulphur was 85.2 million tonnes in 2013. China, USA, Russia, Canada and Saudi Arabia are the first five major producers of sulphur in the world (**Page III -32**).
- World production of ammonia was 141.6 million tonnes N in 2014. China, Russia, India, USA, and Indonesia are the first five major producers of ammonia in the world. World production of phosphoric acid was 43.2 million tonnes P<sub>2</sub>O<sub>5</sub> in 2014. China, USA, Morocco, Russia and India are the first five major producers of phosphoric acid in the world (**Page III -32**).
- CFR (India) prices of ammonia was US\$ 340-530 per tonne and phosphoric acid US\$ 715-810 per tonne during 2015-16. The CFR (India) prices of rock phosphate was US\$ 143-150 per tonne and sulphur US\$ 120-199 per tonne during 2015 (**Page III-37 & III-38**).

#### **Production and yield of Principal Crops**

- World production of foodgrains (cereals from paddy + pulses) was 2894.9 million tonnes (Mte) during 2014. Foodgrains production in China was 561.9 Mte, USA 445.3 Mte, India 314.0 Mte, Brazil 104.7 Mte and Indonesia 90.1 Mte during the period (**Page III-56**).
- Average yield per hectare of foodgrains (cereals from paddy + pulses) was 3590 kg in the world in 2014. Average yield of foodgrains in Egypt was 7061 kg, Rep. of Korea 6534 kg, USA 7519 kg, China 5757 kg, Indonesia 5054 kg., Brazil 4178 kg. and India 2431kg. in 2014 (**Page III-57**).

#### **Farm Subsidies**

- The agricultural subsidy (Producer Support Estimate) in European Union was US\$ 89.99 billion during 2015. It was US\$ 38.79 billion in USA, US\$ 33.51 billion in Japan, US\$ 20.12 billion in Rep. of Korea and US\$ 32.36 billion in India (**Page III-68**).

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**FERTILISER POLICY -  
1944 to 2016  
HIGHLIGHTS**

## **FERTILISER POLICY – 1944 TO 2016 (HIGHLIGHTS)**

### **1944: Central Fertilizer Pool**

The Government of India established the “Central Fertilizer Pool” in 1944 to ensure equitable distribution of all fertilisers at fair prices all over the country. All fertilisers irrespective of domestic or imported were pooled together under Central Fertilizer Pool and distributed through state agencies.

### **1957: Fertiliser (Control) Order**

In 1957, the Government of India passed the Fertiliser (Control) Order (FCO) under the Essential Commodities Act (ECA) to regulate the sale, price, and the quality of fertilisers.

### **1965: Committee on Fertilisers (Sivaraman Committee)**

The Government of India constituted a ‘Committee on Fertilisers’ in 1964, headed by **Shri B. Sivaraman**, Secretary, Department of Agriculture, Government of India, to examine the problems connected with the distribution of all chemical fertilisers, pricing of fertilisers, role of cooperatives in their marketing, and the role of extension services in the promotion and popularisation of the use of fertilisers. The Sivaraman Committee submitted its report in 1965. The Sivaraman Committee made a number of recommendations, which laid the foundation regarding production, promotion, distribution, and consumption of fertilisers in the country.

### **1966: Liberalisation of Fertiliser Marketing**

Fertiliser marketing liberalised as per the recommendations of the Sivaraman Committee Report. The manufacturers were given freedom to market up to 50% of their production.

**1969:** By 1969, domestic manufactures were given complete freedom in marketing. But this was short-lived.

### **1972: Half-yearly Zonal Conferences**

In the early seventies, shortages of fertilisers were experienced in the country. Consequently, the government started regulating the distribution of fertilisers under the Essential Commodities Act (ECA) and the concept of Half-yearly Zonal Conferences was introduced in 1972. All the fertilisers were distributed by the manufacturers according to their ECA allocation during the two cropping (Kharif and Rabi) seasons, as per the supply plan fixed at the zonal conferences.

### **1973: Fertiliser Movement Control Order**

Fertiliser shortages in the early 70’s led the government to pass the Fertiliser Movement Control Order in 1973, which brought fertilizer distribution and its inter-state movement under government control.

### **1976: Fixed Subsidy per tonne on P<sub>2</sub>O<sub>5</sub>**

During mid-70’s, the prices of fertilisers and raw materials escalated steeply in the international market as a result of oil crisis. To meet partially the increasing cost of production/ import, the Government of India initially introduced fixed subsidy of Rs.1250 per tonne P<sub>2</sub>O<sub>5</sub> w.e.f. 17<sup>th</sup> March, 1976.

### **1977: Fertilizer Prices Committee (Marathe Committee) Report Part I**

To resolve the dilemma of how to keep farm gate prices of fertilisers at an affordable level in the face of rising production / import costs, the Ministry of Chemicals & Fertilizers constituted a committee in January 1976, namely, “Fertilizer Prices Committee,” under the chairmanship of **Shri S. S. Marathe**, Chairman, Bureau of Industrial Costs, and Prices. The committee was set up to study the basis of existing pricing of fertilisers and recommend a pricing policy which would ensure a fair return on investment on a sustained manner. The objective was to ensure that both producers and consumers of fertilisers found it worthwhile to produce and use fertilisers. The committee was also asked to evolve a pricing policy for

pricing of the imported fertilisers in relation to cost of imports. The committee submitted Part I of its Report in May 1977.

**RPS for Nitrogenous fertilisers introduced in 1977**

Based on the recommendations of the Marathe Committee, the Retention Price Scheme (RPS) was introduced for various fertilisers. *The RPS for nitrogenous fertilisers (except ammonium chloride) was introduced in November 1977.*

**1978: Fertilizer Prices Committee (Marathe Committee) Report Part II**

The Fertilizer Prices Committee submitted Part II of its report in 1978 which covered pricing of complex fertilisers, equated freight, and distribution of fertilisers. The committee recommended the continuation of ECA allocations introduced in July 1972 and introduction of an equated freight system for each unit. The recommendations of the committee were accepted.

**1979: RPS for Complex fertilisers introduced**

The RPS for complex fertilisers was introduced in February 1979. The fixed subsidy of Rs.1250 per tonne P<sub>2</sub>O<sub>5</sub> on complex fertilisers was discontinued and replaced by RPS. However, the fixed subsidy on SSP continued. **The Equated freight scheme was introduced with effect from 1.2.1979.**

**1980-81: Decontrol of Ammonium Sulphate (A/S), and Calcium Ammonium Nitrate (CAN)**

The prices of A/S and CAN (25% N) were decontrolled from 8<sup>th</sup> June, 1980.

**Block Delivery Scheme**

To promote the use of fertilisers in the remote and inaccessible areas, the government introduced "Block Delivery Scheme" (BDS) during 1980-81. The objective of the policy was to encourage opening of retail outlets in the interiors away from the railheads. After the introduction of BDS, the government allowed the reimbursement of cost of secondary freight from railheads to the block headquarters.

**1982: SSP brought under RPS**

Per tonne fixed subsidy on SSP withdrawn and replaced with RPS w.e.f 23<sup>rd</sup> May 1982.

**1984: A/S and CAN brought under price control**

A/S and CAN were brought under statutory price control w.e.f 21<sup>st</sup> August, 1984 and 7<sup>th</sup> September, 1984, respectively.

**1985: Ammonium chloride was brought under RPS during 1985.**

**1986: High Powered Committee of Secretaries (B. B. Singh Committee)**

In April 1983, the Department of Fertilizers in the Ministry of Chemicals & Fertilizers, constituted a "High Powered Committee of Secretaries", headed by **Shri B. B. Singh**, Secretary (Fertilizers), to conduct an in depth study of the Retention Prices Scheme, covering the cost of production, the capital cost of fertiliser plants, the cost of inputs, and seeking an analysis of the factors contributing to the increase in the cost of production and subsidy in order to suggest remedial measures to contain the subsidies.

The Committee evolved a group retention price for each of the different feedstock for existing units and recommended a shift to uniform price later so as to allow plants time to adjust. The committee favoured a tariff adjusted import parity price for new gas based units. *None of the major recommendations of the Committee were accepted.*

**1987: High powered Committee on Fertilizer Consumer prices (G. V. K. Rao Committee)**

The government of India in the Ministry of Agriculture & Rural Development, Department of Agriculture & Cooperation set up a "High powered Committee on Fertilizer Consumer prices" on 1<sup>st</sup> May'84. Initially, **Dr. A. S. Kahlon** was appointed chairman of the Committee. Consequent to the resignation of Dr. Kahlon, **Dr. G. V. K. Rao**, I.A.S (Retd.) was appointed chairman of the Committee

effective from July, 1985. The committee submitted its report in 1987 in which, it made several recommendations. It recognized fertiliser as a key input for agricultural production and recommended the systematic development of the dry lands, improvement in soil testing laboratories, creation of more soil testing capacities, future product pattern in the form of urea, DAP and MOP, with the continuance of existing NPK fertiliser capacity, incentives for fertiliser promotion, monitoring fertiliser use efficiency, strengthening of credit, abolition of sales tax, etc. The committee also felt that the prices of fertilisers could be increased by 5 to 7 per cent, provided the country has achieved a cumulative increase of 30 per cent in the consumption of fertilisers during the preceding 3 years.

#### **1991: Dual Pricing**

The retail prices of fertilisers were raised by 30 per cent w. e. f 14<sup>th</sup> August 1991. The government of India tried to experiment with “dual pricing” of fertilisers on a limited scale by exempting small & marginal farmers from the hike of 30 percent on the retail prices of fertilisers with effect from 14<sup>th</sup> August, 1991. The government earmarked funds on the basis of the area held by the small and marginal farmers upto a limit of 2 hectares and the average per hectare consumption of fertilisers during 1990-91 in each state. But the scheme did not succeed. It was operational for a brief period, from 14<sup>th</sup> August’91 to 31<sup>st</sup> March’92 and was discontinued after that.

#### **Decontrol of A/S, CAN and Ammonium Chloride**

The prices of Ammonium Sulphate, CAN and Ammonium Chloride were decontrolled w. e. f 25th July, 1991.

#### **1992: BICP Report on Normative Retention Price of Fertilizers**

In April 1991, the Committee of Secretaries of the Government of India requested BICP to assess the feasibility of a group retention price for new gas based fertiliser plants along the HBJ pipeline. The “BICP study” recommended a normative approach for determining capital costs for the gas based units. The normative cost approach was meant to encourage more efficient investment and provide a more prudent design approach. *The recommendations of the Committee were not implemented.*

#### **1992: Joint (Parliamentary) Committee on Fertilizer Pricing**

A Joint Committee on Fertilizer Pricing was formed in 1991 under the Chairmanship of Shri Pratap Rao Bhosale, Member of Parliament (Lok Sabha), to review the method of computation of Retention Prices for different manufacturers of fertilisers and to suggest whether there was any scope for reducing fertiliser prices within the existing scheme or whether a new methodology for fertiliser pricing could be evolved without causing undue strain to the exchequer, and at the same time assuring fair prices to the farmers and a fair return to the manufacturers. The Committee submitted its report on the 20<sup>th</sup> August, 1992.

The main conclusions and recommendations of the Committee were that the rise in subsidy had been mainly due to rise in the prices of inputs which were not reflected in the farm gate prices, increase in the cost of imported fertilisers, devaluation of the rupee in July 1991 and the stagnant farm gate prices from 1980-1991. The Committee did not favour total decontrol of all fertilisers but recommended decontrol price and distribution of the phosphatic and potassium fertilisers along with a marginal 10 per cent reduction in the consumer price of urea. The committee noted the lack of incentives in RPS for fertiliser units to optimize capital costs of plants, and recommended a detailed study of the RPS as well as the working of the FICC by a Committee of Experts.

#### **Decontrol of P & K fertilisers**

Based on the recommendations of the Joint (Parliamentary) Committee on Fertiliser Pricing, the prices, movement and distribution of all phosphatic and potassic fertilisers were decontrolled w.e.f. 25<sup>th</sup> August, 92.

### **Ammonium sulphate, CAN and Ammonium chloride brought under price control**

Ammonium sulphate, CAN and Ammonium chloride were brought back under statutory control w. e. f 25<sup>th</sup> August, 1992.

### **Decanalisation of Raw materials, Intermediates and DAP**

The import of rock phosphate and sulphur was decanalised w.e.f 1<sup>st</sup> March'92. Import of ammonia and phosphoric acid was decanalised w.e.f 1<sup>st</sup> April'92. Import of DAP was decanalised w. e. f 17<sup>th</sup> September'92.

### **Concession on decontrolled P & K fertilisers introduced**

As a result of the decontrol of phosphatic and potassic fertilisers, the retail prices of these fertilisers increased significantly. With a view to partially compensate the increased cost of decontrolled fertilisers, an *ad hoc concession* (later termed as *concession*) of Rs.1000 per tonne each for DAP and MOP, Rs.435-999 per tonne for NP/NPK fertilisers was announced effective from Rabi 1992-93. The rates of concession were revised from time to time in the later years.

### **1993: Decanalisation of MOP**

Import of MOP was decanalised w. e. f 17<sup>th</sup> June, '93.

### **Adhoc concession on SSP**

Adhoc concession for SSP was announced from **Kharif 1993**.

### **1994: Decontrol of A/S, CAN and Ammonium Chloride**

The prices of Ammonium Sulphate, CAN and Ammonium Chloride were decontrolled w. e. f 10<sup>th</sup> June, 1994.

### **1998: High Powered Fertilizer Pricing Policy Review Committee (HPC) (Hanumantha Rao Committee)**

The Government of India constituted a 'High Powered Fertilizer Pricing Policy Review Committee (HPC)' under the chairmanship of **Prof. C. H. Hanumantha Rao**, former member, Planning Commission to review the existing system of subsidization of urea, suggest an alternative broad-based, scientific, and transparent methodology, and recommend measures for greater cohesiveness in the policies applicable to different segments of the industry. The HPC, which submitted its report to the Government on 3rd April 1998, recommended that unit-wise RPS for urea may be discontinued and a uniform Normative Referral Price (NRP) be fixed for existing gas based urea units and also for DAP. A Feedstock Differential Cost Reimbursement (FDCR) could be given for a period of five years for non-gas urea units.

### **2000: Expenditure Reforms Commission (ERC)**

The Expenditure Reforms Commission headed by **Shri K. P. Geethakrishnan**, former Finance Secretary, had gone into the question of rationalizing fertilizer subsidies. The commission submitted its report on the 20th September, 2000. It recommended the dismantling of the control system in a phased manner, leading to a decontrolled fertiliser industry at the commencement of fourth stage, which can compete with imports albeit with a small level of protection and a feedstock cost differential compensation to naphtha / LNG based units to ensure self-sufficiency.

**(a)** First stage (1.2.2001 to 31.3.2002) – The existing urea manufacturing units will be grouped into 5 categories – (i) pre-1992 gas based units, (ii) post 1992 gas based units, (iii) naphtha based units, (iv) FO/LSHS based units and (v) mixed feedstock units. The individual retention prices to be replaced by a fixed concession for units in each of these groups. Distribution control will be done away with. The system of the determination of maximum retail price by the government to be continued.

**(b)** Second stage (1.4.2002 to 31.3.2005) – The concession to be reduced to reflect the possibility of reasonable improvement in feedstock use efficiencies and reduction in capital related charges.

(c) Third stage (1.4.2005 to 31.3.2006) – It reflects the feasibility of all non-gas based plants of modernizing and switching over to LNG. For plants which will not be able to switch over to LNG as feedstock, only the level of concession that the unit would have been entitled to if it had switched over to LNG would be allowed.

(d) Fourth stage (from 1.4.2006) - The fourth stage, to commence from 1<sup>st</sup> April, 2006 when the industry was to be decontrolled. The commission recommended a 7 per cent increase in the price of urea every year from 1.4.2001. This way the open market price will reach Rs.6903 per tonne by 1.4.2006, a level at which the industry could be freed from all controls and be expected to compete with imports, with a variable levy to ensure availability of imported urea at the farm gate price of Rs.7000 per tonne. No concession will be necessary from this date onwards for gas based plants. The fuel oil/ LSHS and mixed feed stock plants, existing naphtha plants converting to LNG, as also new plants and substantial additions to existing plants will be entitled to a feed stock differential with that for LNG plants serving as a ceiling.

The ERC also recommended that the farm-gate prices of nitrogenous, phosphatic and potassic fertilisers should be fixed so as to promote balanced fertiliser use. It was suggested that once the price of urea is re-determined every six months, the prices of potassic and phosphatic fertilisers should be suitably adjusted to ensure the desired NPK balance.

## **2001**

### **Expert Committee on Reassessment of Production Capacity (Alagh Committee)**

The Department of Fertilizers constituted an “Expert Committee” under the Chairmanship of **Dr. Y. K. Alagh**, Eminent Economist & Former Union Minister, to reassess the production capacity of Urea manufacturing units. The terms of reference of the committee included (a) the method of reassessment to be adopted, (b) the effective cut off date to be adopted for the purpose of recovery on the method of reassessment, (c) quantification of total amount of unintended benefits accrued to each unit and suggest modalities to recover the amounts thus quantified. The committee submitted its report in March 2001. Based on the recommendations of the committee, the capacities of 22 ammonia-urea plants were reassessed with effect from 1.4.2000 for the purpose of pricing and subsidy.

### **Cost Price Study of Complex Fertilizers (Tariff Commission)**

On the request of the Ministry of Agriculture, the Tariff Commission under the Ministry of Commerce and Industry undertook a 'Cost Price Study of Complex Fertilizers' to decide the rates of concession of decontrolled complex fertilisers covered under the Concession Scheme. The commission submitted its report in May 2001. The commission recommended the delivered prices of various complex fertilizers for (a) Group I comprising units with gas as feedstock, (b) Group II comprising of the units using predominantly naphtha. The commission also recommended that the Department of Fertilizers may consider carrying out cost-benefit analysis to assess desirability for switching over to imported ammonia by the units under Group II to reduce costs and concessions.

## **2003**

### **Committee on Cost Price Study of Diammonium Phosphate (Indigenous and Imported) and Muriate of Potash (Imported)**

The then Bureau of Industrial Costs & Prices (BICP) had conducted a study during in 1998-99 for DAP/MOP and recommended the normated industry price for indigenous DAP based on the prices of the group of units using imported phosphoric acid and imported ammonia, which constituted 70% of total production of the country. Uniform concession rates for decontrolled fertilisers were announced from 1999-2000 based on the BICP study. Subsequently, two new units, i.e., Oswal Chemicals & Fertilisers and Hindalco Industries Ltd., based on captive phosphoric acid went into production. The share of units using captive phosphoric acid has gone up substantially. Accordingly, a committee was set up under the chairmanship of **Dr. V. K. Agnihotri**, Chairman, Tariff Commission, Ministry of Commerce & Industry,

Govt of India to undertake cost evaluation in respect of DAP, both indigenous and imported and MOP and work out the delivered prices of the products. The committee submitted its report in February 2003. Based on the recommendations of the committee, the indigenous DAP units have been divided into two groups, i.e., plants based on (i) captive phosphoric acid and (ii) imported phosphoric acid.

#### **Committee on Efficient Energy Levels, etc. for Urea Units (Gokak Committee)**

Based on the suggestions made by the ERC, the Department of Fertilizers appointed a Committee on 'Efficient Energy Levels, etc. for Urea Units' under the chairmanship of **Shri A. V. Gokak**, to suggest energy consumption norms for urea units and other related matters, keeping in view to do away with the individual RPS and introduce a Group Concession Scheme. The Committee submitted its report during May 2003.

The committee suggested three stages for its recommendations, viz., Stage I – 1.4.2003 to 31.3.2004, Stage II – 1.4.2004 to 31.3.2006, and Stage III – 1.4.2006 onwards.

The committee recommended to group urea units into six categories, viz., i) pre-'92 gas based plants, ii) post-'92 gas based plants, iii) pre-'92 naphtha based plants, iv) post-'92 naphtha based plants, v) FO/LSHS based plants, vi) mixed energy based plants. In case consumption of alternative feedstock/fuel in a gas based unit exceeds 25%, the classification of the unit should be shifted from gas based to the mixed energy group until the mix again changes warranting its inclusion in the gas based group.

The committee did not recommend any specific efficiency norms for Stage I as urea units did not have any time to adjust to any norms. The committee recommended pre-set energy levels at stage II for each group based on the weighted average consumption figures (excluding outliers) for the period 1999-2000 to 2001-02. For the period beyond stage II, the committee set the energy level bench marking as the lowest weighted average level attained by a urea unit in each group in the 3 year period, i.e. 1999-2000 to 2001-02 be considered as target energy norm beyond stage II for all the units in that group. However, the benefits that accrue to the urea units as a result of higher efficiency due to capital investment shall not be mopped up and the urea units in each group should continue to get the energy figures fixed for the group under stage II.

The committee carried out comparison of energy consumption figures of ammonia and urea plants of three large producers in the world namely, China, USA, and India and found that Indian plants compare favourably with the plants outside India in terms of specific energy consumption. It also observed that the average energy consumption of 25% most efficient Indian ammonia-urea plants is lower than the average of 25% most efficient plants in the world.

#### **New Pricing Scheme for Urea units (NPS) (Stage I and II)**

Based on the recommendations of various committees, a new pricing policy for urea units was approved by the Government on 19.12.2002. The New Pricing Scheme came into force w.e.f 1.4.2003. The new policy aimed at greater transparency, uniformity, and efficiency in disbursements of subsidy payments to urea units and inducing them to take cost reduction measures on their own and be competitive. The scheme was implemented in three stages.

- (a) Stage-I for one-year duration from 1.4.2003 to 31.3.2004
- (b) Stage-II for two years duration from 1.4.2004 to 31.3.2006
- (c) Stage- III from 1.4.2006 onwards. The modalities were to be decided by the Department of Fertilizers (DOF) after review of the implementation of Stage-I and Stage-II.

The scheme introduced a group based concession, which replaced RPS. The NPS envisaged phased decontrol of movement, distribution and sale of urea which was hitherto entirely under the purview of ECA allocations. For the Kharif 2003 season, 75% of the despatches of each manufacturer was covered



under ECA allocation and the balance 25% could be sold freely anywhere in India. For the Rabi 2003-04 seasons, this ratio was changed to 50:50. The scheme is still continuing. For quantities sold under the ECA, units are allowed equated freight in the same manner as for the 8<sup>th</sup> pricing period. For urea sold under the free category (urea outside the ECA allocation), the equated freight has been reduced by Rs.100/te. Under Stage II of NPS, the capital related charges and consumption norms were tightened.

#### **2004: Cost Price Study of Single Super phosphate (CAB Report)**

The Cost Accounts Branch (CAB) under Department of Expenditure of the Ministry of Finance was requested by the Department of Fertilizers to undertake cost study of Single Super phosphate industry in India. The report on 'Cost price Study of Single Super phosphate' was submitted by CAB in April 2004. The committee recommended (i) fixation of maximum retail price by the central government, (ii) a fresh cost study after every three years and (iii) review of price, based on price adjustment formula every quarter/six months, in consultation with the CAB. Fair prices should be worked out based on price adjustment formula as recommended on a quarterly basis by the manufacturing units based on actual prices of inputs used by them duly certified by practising cost accountant and submitted to the government. Time bound scheme needs to be framed so that states ensure issuance of certificates to the industry within specified time once sales have materialized. Subsequently, as a temporary relief, the government enhanced the concession of SSP from Rs.650 per tonne to Rs.975 per tonne w.e.f 1<sup>st</sup> September 2005 on an ad-hoc basis.

#### **2005:**

#### **Working Group on Review of Stage I & II of New Pricing Scheme (NPS) and formulation of Policy for Stage III for Urea units (Alagh Committee)**

The New Pricing Scheme (NPS) for urea in force from the 1<sup>st</sup> April, 2003 was to be implemented in three stages. Stage-I was applicable for one year i.e., up to the 31<sup>st</sup> March, 2004 and the second stage was for two years from the 1<sup>st</sup> April, 2004 to the 31<sup>st</sup> March, 2006. The policy for Stage-III commencing from the 1<sup>st</sup> April, 2006 was to be formulated and announced based on the experience of Stages I and II. Accordingly, the Government of India set up a 'Working Group on Review of Stage I & II of New Pricing Scheme (NPS) and formulation of Policy for Stage III for Urea units' under the chairmanship of Eminent Economist & Former Union Minister, **Dr. Y.K. Alagh** on the 10<sup>th</sup> December, 2004. The Working Group submitted its report in December 2005.

#### **Expert Group on Phosphatic Fertilizer Policy (Abhijit Sen Committee)**

The government of India constituted an 'Expert Group on Phosphatic Fertilizer Policy' under the chairmanship of Prof. Abhijit Sen, Member, Planning Commission to review the current phosphatic fertiliser environment, examine international and Indian phosphatic fertiliser scenario and examine alternatives to the existing methodology of phosphatic fertilizer pricing and costing. The Expert Group submitted its report during October 2005. The committee made a number of recommendations and suggested the subsidy on DAP to form the basis for subsidy on other phosphatic and complex fertilisers. The subsidy on DAP would have 3 components, viz. (1) difference in the landed price of imported DAP (including customs duty) and the MRP, (2) cost of marketing including the selling and distribution expenses and dealers' margin (Rs.350 per tonne) and (3) to offset disadvantage to the domestic manufacturers of vis-à-vis abroad. Floor and ceiling for the disadvantage has been recommended as 5% and 20% of CFR price of DAP. The government may review the competitiveness achieved by the industry in future and accordingly consider downward revision of the two limits. The cost of domestic production would be arrived at taking into account the normated cost of phosphoric acid, international ammonia prices, cost of conversion, and capital cost based on norms given by the tariff commission. The marketing cost of Rs.1350 would be escalated on annual basis linked to WPI (General) index. The adjustment in subsidy of the first two components would be made quarterly after taking into account the prevalent international prices and foreign exchange rates. The expert group did not recommend any immediate change in the MRP. However, changes in MRP may be considered in case the MRP goes below 65% of the landed price of

imported DAP. The government may, however, consider revision in the MRP of DAP in case any revision is brought in the MRPs of other nutrients.

#### **Task Force on Balanced Use of Fertilisers**

The imbalanced use of chemical fertilisers and neglect of organic manure caused many problems, like stagnation in productivity, soil sickness, widespread deficiency of secondary and micro nutrients, spread in salinity and alkalinity, etc. The fertiliser use is also skewed in the country. In this context, the Ministry of Agriculture constituted a 'Task Force on Balanced Use of Fertilisers', under the chairmanship of **Shri A. K. Singh**, Additional Secretary, Department of Agriculture and Cooperation to relook at the policy on use of fertilisers. The committee recommended the restoration of NPK use ratio at the macro level by increasing the use of nutrients P and K instead of reducing the intake of nitrogen. However at the micro level, the application of nutrient has to be soils, crops, and climate specific. Among other major recommendations, the committee suggested strengthening of soil testing laboratories, fertiliser quality control laboratories, efforts for promotion of green manures, vermi compost, enriched organic manures, micronutrients, expansion of area under fertigation, etc. The committee also felt the need for recognition of sulphur as a critical input at par with NPK for price fixation and subsidy and the extension of subsidy to other secondary and micro nutrients. The existing pricing mechanism need to be made conducive for balanced fertilization by properly adjusting the pricing and subsidy on nutrient basis. *The recommendations of the Report have been accepted in principle.*

#### **2007**

#### **New Pricing Scheme for Urea units (NPS) (Stage III)**

The Government notified the New Pricing Scheme (NPS) Stage III for urea units on the on the 8<sup>th</sup> March, 2007. The NPS Stage II scheduled to be expired by the 31<sup>st</sup> March, 2006 was extended upto 30<sup>th</sup> September, 2006. The NPS Stage III came into force from 1<sup>st</sup> October 2006 and will be effective upto 31<sup>st</sup> March 2010. The policy aims at greater efficiency in urea production and its distribution in the country.

The Policy seeks to encourage urea production from the indigenous urea units beyond 100% of their reassessed capacity by introducing a system of incentives for additional urea production subject to merit order procurement. All production between 100% and 110% of the existing reassessed capacity, as per the approved production plan will be incentivised on the existing net gain sharing formula between the government and the unit in the ratio of 65:35, respectively. Units increasing production beyond 110% may be compensated at their concession rate, subject to the overall cap of import parity price (IPP). The provision of prior Government permission for additional urea production has been dispensed with.

NPS Stage III sought to promote the usage of natural gas, which is an efficient and comparatively cheaper feedstock for production of urea. A definite time schedule of three years has been provided for conversion of all non-gas based units to gas. To expedite conversion, the Policy provides for non-mopping up of energy efficiency for a period of five years for naphtha and F.oil/ LSHS based plants. Units not able to tie up gas will have to explore alternative feedstock like coal bed methane (CBM) and coal gas.

The Policy encourages setting up joint venture (JV) fertiliser plants abroad in countries where gas is available in abundance and at reasonable prices. The JVs for urea will be set up abroad subject to the condition that the government will enter into long term buy back arrangements with JVs abroad depending upon merits.

The government will continue to regulate movement of urea up to 50% of production depending upon the exigencies of the situation. States would be required to allocate the entire quantity of planned urea arrivals for regulated and deregulated urea in a district-wise, month-wise, and supplier-wise format. The units will be required to maintain a district level stock point (primary godowns) in the districts where it is required to supply urea. The monitoring of movement and distribution of urea throughout the country upto district level will be done by an on-line web based system. The Department of Fertilizers (DOF),

Ministry of Chemicals & Fertilizers, will operate a buffer stock through the state institutional agencies/fertiliser companies in states upto a limit of 5% of their seasonal requirement.

#### **MAP brought under concession scheme**

Imported MAP (11-52-0), including powdered MAP was brought under concession scheme for decontrolled phosphatic and potassic fertilisers w.e.f 1.4.2007. GOI decided that concession payable on these fertilisers will be capped to that payable on imported DAP and no additional concession/ cost would be reimbursed for processing powdered MAP to granulated MAP.

#### **Cost Pricing Study of DAP, Complex Fertilisers & MOP by Tariff Commission**

The Department of Fertilizers entrusted a fresh Cost Price Study on the DAP, MOP and Complex Fertilisers to the Tariff Commission (TC) in November, 2006. The Commission submitted its report in December, 2007. Salient features of the recommendations are stated below:

a) The normative delivered price of all complex fertilisers, including DAP has been worked out on the basis of per unit material cost of four nutrients namely N, P, K, & S and other costs. Sulphur (S) has been recognized as a nutrient in pricing for the first time and compensation for S bearing complex fertilisers has been allowed accordingly with lump sum compensation for use of sulphur in manufacturing other fertilisers.

(b) For determining the normative production levels, the TC has adopted a norm of 85% of capacity utilization. The minimum efficiency factor for conversion of raw materials/intermediates used by TC in the case of DAP is 97% for N and 98% for P. The minimum efficiency factor in the case of other complexes for nutrients N, P and K is 96%. Upper limit of efficiencies have been adopted at 99% for all the nutrients.

(c) All domestically produced complex fertilisers, including DAP have been grouped as complex fertilisers for the purpose of determining normative nutrient cost/total delivered cost.

(d) For the purpose of determining the price of nutrient N, the units have been divided into four groups based on the source of nitrogen namely natural gas, naphtha/fuel oil, imported ammonia/urea mix and imported ammonia. For determination of price of P and K nutrients, a single reference price has been adopted.

(e) For determination of other costs, the complex fertiliser units have been categorised in four groups depending on the sources of N as explained above. The TC has also suggested a uniform other costs as an alternative.

(f) Freight is recognized as a separate component from other costs for indigenous fertilisers. A separate report on state-wise lead distance for DAP/complex fertilisers from factory/port to consumer destination was also submitted by TC.

(g) Separate compensation has been recommend for IFFCO-Paradeep unit based on Long Run Marginal Costing to take care of the capital investment in acquisition of the unit and revamping cost.

(h) Escalation/de-escalation formula has been provided for updating prices of four nutrients N, P, K and S. Escalation formula for freight is also provided.

(i) Delivered cost of imported DAP and MOP has been worked out with normative handling and distribution cost including freight element.

(j) The Commission has recommended compensation to the industry on delayed payments by way of payment of interest by the Government of India.

## **2008**

### **Guidelines for production and use of Customised Fertilisers**

Keeping in view the focus of balanced fertilization, GOI formulated guidelines for production and use of customized fertilisers under Clause 20B of FCO, 1985. The guidelines were issued on March

11, 2008 to enable interested companies to initiate the process of developing different grades of customized fertilisers. The guidelines broadly covered the definition, eligibility criteria, grades, quality requirement, and tolerance limit, labeling and pricing of customized fertilisers.

As per the guidelines, permission for manufacture and sale of customized fertilisers shall be granted to the manufacturing companies whose annual turnover is Rs.500 crores or above, having soil testing facility with annual capacity of 10,000 samples per annum and should have analyzing capacity for NPK, micronutrient and secondary nutrient. The proposed grades shall be based on area specific and crop specific soil testing results. All subsidized fertilisers can be used for manufacturing of customized fertilisers. The company shall fix reasonable MRP for its approved grades of customized fertilisers.

#### **Revised concession scheme for SSP for 2008-09**

GOI implemented a revised concession scheme for SSP with effect from 1<sup>st</sup> May, 2008 for the year 2008-09. The new policy for SSP has made provision for fixation of uniform MRP throughout the country by the Central Government unlike the earlier practice of MRP being fixed by the State Governments. The policy also provided for monthly revision in the concession rates to reflect the variation in prices of raw-materials vis-à-vis indigenous and imported rock phosphate and imported sulphur. For the first time, the policy recognized sulphur content in SSP while fixing MRP. The policy continued upto 30<sup>th</sup> September, 2009.

#### **Policy for encouraging production and availability of fortified and coated fertilisers**

To promote use of secondary and micro nutrients and to improve fertiliser use efficiency, the Government of India has allowed the fortification / coating of fertilisers specified in Fertilizer Control Order (FCO), up to 20% of their total production w.e.f 1<sup>st</sup> June 2008. The manufacturers have also been allowed to charge additional cost involved in manufacture of these fertilisers from the consumers as per the Government guidelines. The manufacturers / producers of fertilisers are allowed to sell the FCO approved fortified/ coated subsidized fertilisers, except for Zincated urea and Boronated SSP at a price upto 5% above the MRP. For Zincated urea and Boronated SSP, the manufacturers are allowed to charge upto 10% above MRP of urea and SSP, respectively.

#### **Nutrient based pricing of subsidized fertilisers**

GOI introduced nutrient based pricing of subsidized fertilisers to promote balanced fertilisation. As per the scheme, the per unit price of nutrients N, P, K and S will be the same in all complex grade fertilisers. Consequently, MRPs of complex fertilizers have been significantly reduced w.e.f. 18<sup>th</sup> June 2008. The nutrient prices of urea, DAP and MOP are the benchmark for determining the prices for nutrient prices of N, P and K. For the first time, sulphur has been recognized as a primary nutrient to be covered under the Concession Scheme.

#### **Indigenous and imported TSP under the concession scheme**

GOI included TSP under the concession scheme w.e.f 1<sup>st</sup> April 2008.

#### **Indigenous Amm. Sulphate under concession scheme**

GOI included indigenous Ammonium Sulphate (20.6-0-0-23) under the concession scheme w.e.f 1<sup>st</sup> July 2008.

#### **Policy on P & K fertilisers**

The government of India continued the Concession scheme on decontrolled P & K fertilisers w.e.f 1<sup>st</sup> April 2008 with the following policy:

**DAP**

In the policy for Phosphatic and Potassic fertilizers there has been a departure from hitherto cost plus approach. The subsidy has been benchmarked to Import Parity Price (IPP) of DAP. Unlike in the past, there will be uniform subsidy for imported and indigenous DAP based on IPP concept.

**NP/ NPK Complex Fertilisers**

In case of complex fertilisers, the price of  $P_2O_5$  will be determined on the basis of imported DAP. The price of 'K' will be determined on the basis of imported MOP. The price of 'N' will continue to be determined on unit wise basis, in a rationalized manner. Cost of 'S' in sulphur containing complex fertilisers will be recognized based on the price of imported sulphur.

**Policy for uniform freight subsidy on all fertilisers**

GOI approved a separate uniform freight subsidy policy on all subsidized fertilisers covered under the NPS III for indigenous urea and the concession scheme on P & K fertilisers. The policy implemented w.e.f 1<sup>st</sup> April 2008. Under the new uniform freight policy inland freight for transportation of fertilizers will be reimbursed to the fertiliser companies from plant/port upto the block level. For this, rates would be calculated based on actual railway freights and in case of road transport, it will be based on the average lead distance of all the blocks in the district and the State level truck rates from rake point to the block. The state governments will be responsible for confirming the receipts of fertilisers as indicated in the movement plan in FMS.

**Policy related to Surplus Ammonia from Urea units**

The policy for sale of surplus ammonia from domestic urea units was notified on the 19<sup>th</sup> August, 2008 and was made applicable from 1<sup>st</sup> August, 2008. The policy will be applicable to all urea producing units covered under NPS. The sale will include inter-unit or intra-unit transfer of ammonia and also surplus capacity created by debottlenecking/revamp/modernization of urea/ammonia plant. It will, however, not be applicable for multi-product/integrated fertiliser units where APM gas will be allocated on priority for production of urea and other subsidized fertilisers and actual mix excluding APM gas will be allowed towards energy for remaining urea and surplus ammonia.

The policy on sale of surplus ammonia is classified under three categories: (1) urea production is less than 100% of re-assessed capacity and surplus ammonia is due to technical reasons. In this case, net gain from sale of surplus ammonia will be shared between the Government and the unit in the ratio of 65:35 respectively. (2) Urea production at 100% of re-assessed capacity & beyond and surplus ammonia available due to technical reasons. Under this category, the Government will take only 35% of the net gain and balance 65% will be left for the unit. (3) Surplus ammonia due to non-technical or commercial reason. Here, net gain will be shared in the ratio of 90:10 between the Government and the industry. For all the above three categories, the actual input mix of energy used for entire production of urea and ammonia including surplus ammonia would be considered. The quantum of energy consumed for surplus ammonia would be taken on actual basis as furnished by the units in their annual escalation/de-escalation claims.

The net gain will be computed as 'net sales realization at import parity price minus the variable cost of ammonia as per FICC'. Import parity price (IPP) will be an annual value for a particular year and will be computed as the lower of the following two values:

- (i) Actual weighted average CIF price of ammonia imported in India during the period of 12 months starting from the last month of the preceding year and including the first 11 months of the current year, and
- (ii) The average IPP (CIF) reported in Fertiliser Market Bulletin, Fertilizer Week and Fertecon Weekly Nitrogen Fax for the similar period as stated in (i).

As per the policy, sale of surplus ammonia will be allowed only for domestic consumption and not for exports. The sale of surplus ammonia between 8<sup>th</sup> March, 2007 and 31<sup>st</sup> July, 2007 will be covered under the existing provision of NPS-III notified on 8<sup>th</sup> March, 2007. Thus, the policy for surplus ammonia given in NPS-III will stand amended as above.

#### **Policy for new investments in urea sector and long term offtake of urea from joint ventures abroad**

GOI approved and made applicable the policy for new investments in urea sector, both indigenous and abroad w.e.f the 4<sup>th</sup> September, 2008. In this policy also, a departure has been made from cost based approach and benchmarking has been made to imports. Main features of the policy are as under:-

- (a). The additional urea from (i) Revamp of existing units (within four years of Notification) will be recognized at 85% of Import Parity Price (IPP), (ii) Expansion of existing units (within five years of Notification) at 90% of IPP, (iii) Revived units of HFC and FCI (within five years of Notification) at 95% of IPP, with the floor and ceiling prices of US\$ 250 per tonne and US\$ 425 per tonne, respectively in each category.
- (b) The price of urea from the Greenfield projects will be derived through a bidding route, with percentage discount over IPP, with an appropriate floor and ceiling price.
- (c) The coal gasification based urea projects will be treated at par with brown field or Greenfield project as the case may be. In addition, these projects will also get incentives or tax benefits.
- (d) The joint venture projects abroad will be encouraged through firm off take contracts with pricing decided on the basis of prevailing market conditions and in mutual consultation with the joint venture partners. The principle for deciding upon the maximum price will be the price achieved under the green field projects or 95% of IPP subject to a floor of US\$ 225/tonne CIF India and a cap of US \$405/tonne CIF India inclusive of handling and bagging cost.

#### **2009**

##### **Revised policy for ad hoc concession for SSP**

The revised policy for ad hoc concession for SSP came into force from 1<sup>st</sup> October, 2009. As per the revised policy, the government has decided to leave the selling price of SSP open w.e.f 1<sup>st</sup> October, 2009 in place of existing all-India MRP of Rs.3400 per tonne for powered SSP. Accordingly, the selling price of granulated and boronated SSP will also be open. An ad hoc concession of Rs. 2000 per tonne will be provided to powered, granulated and boronated SSP w.e.f 1<sup>st</sup> October, 2009.

#### **2010**

##### **NBS policy for P & K fertilisers**

In the context of nation's food security, the declining response of agricultural productivity to increased fertilizer usage in the country has been a matter of concern. To ensure balanced application of fertilisers, the government intended to move towards a nutrient based subsidy regime (NBS) instead of

existing product pricing regime. The policy is expected to promote balanced fertilization through new fortified products and lead to an increase in agricultural productivity and consequently better returns for the farmers. The Govt. of India implemented the first phase of Nutrient Based Subsidy (NBS) policy for P & K fertilisers w.e.f 1<sup>st</sup> April, 2010. The per kg NBS for nutrient 'N', 'P', 'K' and 'S' for 2010-11 have been fixed at Rs.23.227, Rs.26.276, Rs.24.487 and Rs.1.784, respectively. The NBS to be paid on each nutrient will be decided annually by the government. The nutrient based subsidy so decided by the Government will be converted into subsidy per tonne for each subsidized fertiliser. The NBS is applicable for DAP, MOP, MAP, TSP, 12 grades of complex fertilisers and Ammonium sulphate (Caprolactum grade of GSFC and FACT). Per MT additional subsidy for fortified fertilisers with Boron fixed at Rs.300 per tonne and Zinc Rs.500 per tonne. Manufacturers of customized fertilisers and mixture fertilisers will be eligible to source subsidized fertilisers from the manufacturers/ importers of subsidized fertilisers. The market price of subsidized fertilisers, except urea will be determined based on demand/supply balance. The fertiliser companies will be required to print retail price along with applicable subsidy on the fertiliser bags.

20 per cent of the decontrolled fertilisers produced/imported in India will now be in the movement control under the ECA 1955 to bridge the supplies in underserved areas. Freight subsidy on the decontrolled fertilisers will be restricted to the rail freight.

Import of all the subsidized P & K fertilisers is placed under Open General License (OGL). However, subsidy will not be applicable on imported Ammonium sulphate during the first phase. Import of urea will remain canalized during the first phase.

#### **NBS policy for SSP**

The Govt. of India implemented Nutrient Based Subsidy (NBS) policy for SSP w.e.f 1<sup>st</sup> May, 2010. The per kg NBS for nutrient 'P' and 'S' for 2010-11 fixed at Rs. 26.276 and Rs.1.784, respectively, for SSP. Accordingly, per tonne NBS for powder and granulated SSP for 2010- 11 w.e.f 1<sup>st</sup> May, 2010 fixed at Rs.4400 inclusive of cost of freight. 20 per cent of the SSP produced will now be in the movement control under the ECA 1955 to bridge the supplies in underserved areas. The SSP producers/ marketers will be required to print maximum retail price along with applicable subsidy on the fertiliser bags.

#### **Inclusion of NPK 16-16-16 complex fertiliser under NBS**

The Govt. of India included complex fertiliser grade 16-16-16, indigenously produced and imported under the NBS w.e.f 1<sup>st</sup> July, 2010. Per tonne NBS for complex fertiliser grade 16-16-16, indigenously produced and imported fixed at Rs, 11838 w.e.f 1<sup>st</sup> July, 2010 for 2010-11.

#### **IPP 2009-10 policy for Stage III of NPS for urea**

The Government of India notified the policy for new investment in urea sector w.e.f. the 4th September, 2008 keeping the principles of Import Parity Price (IPP) with the floor and the ceiling price for new investments and long term off take of urea from joint venture abroad. The IPP is applicable for recognition of incentivisation of additional production both under the NPS-III policy and the new investment policy.

No expansion projects/revival projects or Greenfield projects have been commissioned under the policy until 2011. However, there may have been instances of production from indigenous urea unit beyond the cut off quantities notified under the policy. The indigenous units producing urea beyond the cut off quantity are eligible for payment of subsidy at 85% IPP subject to floor and ceiling price only if the total production of the unit crosses 105% of the cut off quantity or 110% of the reassessed capacity, whichever is

higher. Moreover, the APM gas should not be considered for production beyond the cut off quantities notified for each urea unit and would be taken for production of urea below the cut off quantity.

**Modification in NBS policy for P & K fertilisers for 2010-11**

The Government reduced the subsidy rates for P and K nutrients to Rs.25.624 and Rs.23.987, respectively, w.e.f. 1st January, 2011 through a notification dated 1st December, 2010 with N and S rates remaining unchanged. This was due to exclusion of the secondary freight element included earlier in the NBS. The secondary freight was now allowed to be paid in line with the uniform freight applicable for urea. In case of SSP, in addition to the NBS, a lump sum freight of Rs. 200 per tonne will be provided.

**Recognition of Boron (B) included under NBS for additional subsidy**

Boron 'B' has been included as a nutrient under the NBS for additional subsidy. Subsidised fertilisers fortified with Boron (B) and Zinc (Zn) are eligible for additional subsidy of Rs.300 per tonne and Rs.500 per tonne, respectively.

**Inclusion of 15-15-15-09 and 24-24-0-0**

The Govt. of India included complex fertiliser grades 15-15-15-09 and 24-24-0-0, indigenously produced and imported under the NBS w.e.f. 1st October, 2010. The per tonne NBS for complex fertiliser grade 15-15-15-09 and 24-24-0-0 were fixed at Rs. 11259 and Rs. 11881, respectively, w.e.f. 1st October, 2010 and Rs. 11086 and Rs. 11724, respectively, w.e.f. 1st January, 2011.

**2011**

**35% of indigenous Neem Coated Urea allowed for production**

Indigenous manufacturers / producers of urea are allowed to produce Neem Coated urea which has been incorporated in Schedule 1 of the Fertiliser Control Order, 1985, up to a maximum of 35% of their total production of respective subsidized fertilizers w.e.f. 11th January, 2011.

**MRP of Boronated SSP**

Subsidised fertilisers fortified with Boron (B) and Zinc (Zn) are eligible for additional subsidy of Rs.300 per tonne and Rs.500 per tonne, respectively. Boronated SSP being a premium, value added fertiliser, manufactures/ marketers of Boronated SSP are allowed to fix its MRP accordingly and if necessary, higher than Powdered and Granulated SSP as per the notification of the GOI dated, 11th January, 2011.

**Inclusion of 16-44-0-0 (DAP lite) under NBS**

The Govt. of India included fertiliser grade 16-44-0-0 (DAP lite) indigenously produced and imported under the NBS w.e.f. 1st February, 2011. The per tonne NBS for fertiliser grade 16-44-0-0 (DAP lite) was fixed at Rs. 14991 w.e.f. 1st February, 2011.

**Central Excise and Customs Duty on fertilisers**

Govt. of India has levied 1% excise duty (without availing credit of duty on inputs or tax on input services under the CENVAT Rules 2004) / 5% (with availing credit of duty on inputs or tax on input services under the CENVAT Rules 2004) on finished fertilisers w.e.f 1st March, 2011.

The duty is chargeable at ad valorem rates and the duty is computed on the 'transaction value' of the goods as and when they are cleared from the factory. Since, fertilizers are sold under subsidy scheme at



MRP, excise duty would be applicable on the MRP and not on the total cost of production. The additional cost will be recovered by the fertiliser companies through MRP of fertilisers.

#### **NBS policy for P & K fertilisers – 2011-12**

The Government initially notified NBS rates per kg of nutrient N, P, K and S in November 2010 and March 2011 for 2011-12. The rates were significantly lower than ruling international prices. Thereafter, the final rates of subsidy per kg. of nutrients N, P, K and S were notified on 5th May, 2011 by the Government at Rs.27.153, Rs.32.338, Rs.26.756 and Rs.1.677 respectively for 2011-12 w.e.f 1st April, 2011.

The NBS is applicable for indigenously produced and imported DAP (18-46-0), DAP lite (16-44-0), MAP (11-52-0), TSP (0-46-0), MOP (0-0-60), 15 grades of complex fertilisers, SSP and indigenous Ammonium Sulphate (20.6-0-0-23 Caprolactum grade produced by GSFC and FACT).

Per tonne additional subsidy for fortified fertilisers with Boron fixed at Rs.300 per tonne and Zinc Rs.500 per tonne continued.

Manufacturers of customized fertilisers and mixture fertilisers will continue to be eligible to source subsidized fertilisers from the manufacturers/ importers of subsidized fertilisers after their receipt in the districts as inputs for manufacturing customized fertilisers and mixture fertilisers for agricultural purposes. There would be no separate subsidy on sale of customized fertilisers and mixture fertilisers.

The market price of subsidized fertilisers, except urea will be determined based on demand/supply balance. The fertiliser companies will be required to print retail price along with applicable subsidy on the fertiliser bags. Counter Vailing Duty/ Excise Duty as applicable would also be recoverable by way of suitable increase in MRPs.

20 per cent of the decontrolled fertilisers produced/imported in India will continued to be in the movement control under the ECA 1955 to bridge the supplies in underserved areas.

The secondary freight was allowed to be paid in line with the uniform freight applicable for urea. Freight for direct road movement (primary movement) would be subject to lower of actual claim and equivalent rail freight. Direct road movement will be allowed to a maximum distance of 500 KM. In addition to the NBS for SSP, a lump sum freight of Rs. 200 per tonne will be provided.

#### **Inclusion of 13-33-0-6, MAP lite 11-44-0-0 and DAP lite grade II 14-46-0-0 under NBS**

The Govt. of India included the imported NPKS complex fertiliser grade 13-33-0-6, MAP lite 11-44-0-0 and DAP lite grade II 14-46-0-0 under NBS w.e.f. 30th August, 2011. The per tonne NBS for NPKS complex fertiliser grade 13-13-0-6, MAP lite 11-44-0-0 and DAP lite grade II 14-46-0-0 were fixed at Rs. 14302, Rs. 17216 and Rs. 18677, respectively, w.e.f. 30th August 2011.

#### **2012**

#### **NBS policy for P & K fertilisers – 2012-13**

The rates of subsidy per kg. of nutrients N, P, K and S were notified on 29<sup>th</sup> March, 2012 by the Government at Rs.24.000, Rs.21.804, Rs.24.000 and Rs.1.677 respectively for 2012-13 w.e.f 1st April, 2012.

Per tonne additional subsidy for fortified fertilisers with Boron fixed at Rs.300 per tonne and Zinc Rs.500 per tonne continued.

Manufacturers of customized fertilisers and mixture fertilisers will continue to be eligible to source subsidized fertilisers from the manufacturers/ importers of subsidized fertilisers after their receipt in the districts as inputs for manufacturing customized fertilisers and mixture fertilisers for agricultural purposes. There would be no separate subsidy on sale of customized fertilisers and mixture fertilisers.

The market price of subsidized fertilisers, except urea will be determined based on demand/supply balance. The fertiliser companies will be required to print retail price along with applicable subsidy on the fertiliser bags. Counter Vailing Duty/ Excise Duty as applicable would also be recoverable by way of suitable increase in MRPs.

20 per cent of the decontrolled fertilisers produced/imported in India will continued to be in the movement control under the ECA 1955 to bridge the supplies in underserved areas.

Freight reimbursement on account of primary movement of P & K fertilisers (except SSP) by railway shall be paid as per actual on the basis of railway receipts. No freight reimbursement shall be made on account of secondary movement of P & K fertilisers. Freight reimbursement on account of direct road movement of P & K fertilisers (except SSP) shall be paid as per the actual subject to maximum of equivalent rail freight. Maximum allowable distance under direct road movement shall be 500 Kms.

#### **Policy for reimbursement of freight for P & K fertilisers under NBS**

The policy for reimbursement of freight for P & K fertilisers under NBS was revised and notified on 23<sup>rd</sup> July, 2012 for the period (i) 1.1.2011 to 31.3.2012 and (ii) with effect from 1.4.2012 onwards.

##### **(a) Freight policy for P & K fertilisers w.e.f. 1.1.2011 to 31.3.2012**

- i. Reimbursement of freight on account of primary movement (by rail from the plant or the port to various rake points) of all P & K fertilisers (except SSP) shall be reimbursed on the basis of actual rail freight as per the railway receipt.
- ii. Reimbursement of freight on account of secondary movement (by road from the nearest rake points to the block head quarters in the districts) of all P & K fertilisers (except SSP) shall be made as per the uniform freight subsidy policy applicable to urea during the period.
- iii. Freight subsidy for direct road movement (by road from plant or port to blocks) of all P & K fertilisers (except SSP) shall be paid as per actual claims subject to the equivalent rail freight with a maximum limit upto 500 Kms.
- iv. A lump-sum freight subsidy of Rs. 200 per tonne on SSP shall be paid w.e.f. 1.1.2011 to 31.8.2011 and thereafter no freight subsidy would be paid on SSP during the period from 1.9.2011 to 31.3.2012.

##### **(b) Freight policy for P & K fertilisers w.e.f. 1.4.2012**

- i. Freight on account of primary movement of all P & K fertilisers (except SSP) shall be reimbursed on the basis of actual rail freight as per the railway receipt.

- ii. There shall be no reimbursement on account of secondary movement of all P & K fertilisers (including SSP).
- iii. Freight subsidy for direct road movement of all P & K fertilisers (excluding SSP) shall be reimbursed as per the actual claims subject to the equivalent rail freight to be announced by DoF from time to time. The maximum allowable distance under the direct road movement shall be 500 Kms.
- iv. Special compensation on account of secondary freight for all P & K fertilisers (except SSP) shall be provided for difficult areas, viz., Himachal Pradesh, Uttarakhand, Sikkim, Jammu & Kashmir, Seven North-East States and Andaman & Nicobar Islands.

### 2013

#### New Investments Policy 2012

The investment policy for 2008 attracted investments only for revamp of some existing ammonia-urea plants. No investment came for brownfield or green field projects. The government notified a New Investment Policy 2012 (NIP 2012) on 2<sup>nd</sup> January 2013 to facilitate fresh investments in urea sector.

The policy provides a structure of a floor price and a ceiling price for the amount payable to urea units, to be calculated based on delivered gas price to respective urea units. The floor and ceiling price of each urea unit shall be operative with respect to the computed IPP. Salient features of the policy are presented in the following table.

Sr. No.	Item	Unit	Revamp projects	Expansion/ Brownfield projects	Greenfield / Revival of closed urea units of HFCL and FCI projects
1.	Gas price upto (delivered)	US\$ per million BTU	7.5	6.5	6.5
2.	Floor price of Urea	US\$ per MT	245	285	305
3.	Ceiling price of urea	US\$ per MT	255	310	335
4.	IPP to be recognized		85%	90%	95%
5.	Gas price escalation formula for each US\$ 0.1 per MMBTU				
	i) Gas price upto US\$ 14 per MMBTU		Increase in Floor & Ceiling price of Urea by US\$ 2.2/ MT	Increase in Floor & Ceiling price of Urea by US\$ 2/ MT	Increase in Floor & Ceiling price of Urea by US\$ 2/ MT
	ii) Gas price above US\$ 14 per MMBTU		Increase in Floor price of Urea by US\$ 2.2/ MT	Increase in Floor price of Urea by US\$ 2/ MT	Increase in Floor price of Urea by US\$ 2/ MT

*Joint ventures abroad (in gas rich countries)* : Decisions regarding urea off-take agreement for JV units setup abroad shall be taken on case-to-case basis, based on the prevalent IPP of urea price and availability of indigenous gas, cost of gas being offered to the JV and demand supply gap of urea in the country.

The policy was put on hold by the government for further revision.

#### **NBS policy for P & K fertilisers – 2013-14**

The rates of subsidy per kg. of nutrients N, P, K and S were notified on 3<sup>rd</sup> May, 2013 by the Government at Rs.20.875, Rs.18.679, Rs.18.833 and Rs.1.677, respectively, for 2013-14 w.e.f. 1st April, 2013. Per tonne additional subsidy for fortified fertilisers with Boron fixed at Rs.300 per tonne and Zinc Rs.500 per tonne continued.

Manufacturers of customized fertilisers and mixture fertilisers will continue to be eligible to source subsidized fertilisers from the manufacturers/ importers of subsidized fertilisers after their receipt in the districts as inputs for manufacturing customized fertilisers and mixture fertilisers for agricultural purposes. There would be no separate subsidy on sale of customized fertilisers and mixture fertilisers.

The market price of P & K fertilisers is open and fertiliser companies are allowed to fix MRPs at reasonable level. The fertiliser companies will be required to print retail price along with applicable subsidy on the fertiliser bags.

20 per cent of the decontrolled fertilisers produced/imported in India will continue to be in the movement control under the ECA 1955. DOF will regulate the movement of these fertilisers to bridge the supplies in underserved areas.

#### **2014**

#### **NBS policy for P & K fertilisers – 2014-15**

The rates of subsidy per kg. of nutrients N, P, K and S were notified on 31<sup>st</sup> March, 2014. The rates of subsidy per kg. of nutrients for N, P, and S remain unchanged at Rs.20.875, Rs.18.679 and Rs.1.677, respectively, for 2014-15 w.e.f. 1<sup>st</sup> April, 2014. However, the rate of subsidy per kg. of nutrient K has been reduced to Rs.15.500 for the same period. Per tonne additional subsidy for fortified fertilisers with Boron fixed at Rs.300 per tonne and Zinc Rs.500 per tonne continues. Other elements of the policy broadly remain unchanged.

#### **Modified NPS III for existing urea units**

The modified NPS-III policy for existing urea units was notified on 2<sup>nd</sup> April, 2014. The salient features of the policy are given below:

##### **(i) Additional fixed cost**

The modified NPS-III policy provides for maximum additional fixed cost towards increase in the four components of conversion cost viz., salaries & wages, contract labour, selling expenses and repair & maintenance of Rs. 350 per tonne to existing urea units or actual increase in above four components during the year 2012-13 compared to the year 2002-03 whichever is lower.

##### **(ii) Minimum fixed cost**

The minimum fixed cost of Rs. 2300 per tonne or actual fixed cost prevailing during 2012-13 whichever is lower after taking into account the compensation indicated above will be paid.

**(iii) Special compensation to urea plants which have completed 30 years and converted to gas**

The special compensation of Rs. 150 per tonne will be paid to gas based urea plants which are more than 30 years old. This is in addition to item (i) and (ii) mentioned above.

Other elements of policy remain unchanged, except policy for continuing production from high cost naphtha based units.

**(iv) Production from high cost naphtha based units**

The production from high cost naphtha based units namely SPIC, Tuticorin; MFL, Manali and MCFL, Mangalore will continue under Modified NPS-III till the gas availability and connectivity is provided to these units or June 2014 whichever is earlier beyond which subsidy for naphtha based plants will not be paid. Subsequently, the period was extended upto 30<sup>th</sup> September 2014. Consequently, naphtha based urea plants were shut down from 1<sup>st</sup> October, 2014.

**Amendment to New Investment Policy – 2012**

The Government of India (GOI) notified the Amendment to New Investment Policy on the 7th October, 2014. The amendment does away with the “dispensation of guaranteed buy-back” outlined earlier, to support only those companies who are serious about setting up new urea projects. The following amendments to the New Investment Policy have been made.

i) Only those units whose production starts within 5 years from the date of this amendment notification will be covered under the policy. Subsidy will be given only upon domestic sale as at present for a period of 8 years from the date of start of production. Thereafter, the units will be governed by the urea policy prevalent at that time.

(ii) To ensure seriousness/ credibility of the project proponents under NIP-2012 and for timely execution of the projects, all the project proponents will be required to furnish Bank Guarantee (BG) of Rs.300 crores for each project. The BG will be linked to milestones in the project cycle. Out of Rs.300 crores, Rs.100 crores of BG will be released after finalization of LSTK/EPCA contractors and release of advance to the contractor’s account; Rs.100 crores of BG will be released on completion of requirements ordering the supply to the site or midpoint of the project cycle, whichever is earlier; and the balance of Rs.100 crores of BG on completion of the project. PSUs are, however, exempted from furnishing the BG.

**2015**

**Cap/restriction to produce Neem Coated Urea removed**

GOI issued a notification on 7<sup>th</sup> January 2015 regarding its approval to remove the cap/restriction to produce Neem Coated Urea. As per the notification, the indigenous producers of urea were allowed to produce Neem Coated Urea (listed in Schedule I of the FCO, 1985) up to maximum of their total production of subsidized urea. It was also decided to restrict the extra 5% of MRP to be charged by the companies on Neem Coated Urea for future to the extent of 5% of the existing MRP of urea only i.e. Rs.5360 per MT.

**Mandatory production of Neem Coated urea**

On 24<sup>th</sup> March, 2015, GOI issued a notification making it mandatory for all the indigenous producers of urea to produce 75% of their total production of subsidised urea as Neem Coated urea. Other terms and conditions continued to remain same.

Thereafter, on 25<sup>th</sup> May, 2015, GOI issued a notification making it mandatory for all the indigenous producers of urea to produce 100% of their total production of subsidised urea as Neem Coated urea. Other terms and conditions continued to remain same.

**Pooling of gas in fertilizer (Urea) sector**

The Cabinet Committee on Economic Affairs approved a policy intervention on 31<sup>st</sup> March, 2015 to supply gas at uniform delivered price to all fertiliser plants on the gas grid for production of urea through a pooling mechanism. The policy would reduce inter plant variation in energy cost element in the total cost of production of urea.

**New urea policy 2015**

GOI notified New Urea Policy-2015 for existing gas based urea manufacturing units on 25<sup>th</sup> May, 2015. The New Urea Policy – 2015 will be effective from 1<sup>st</sup> June 2015 to 31<sup>st</sup> March 2019. As per the policy, existing gas based units will be classified into three groups.

- Group I : urea units having pre-set energy norms between 5.0 G. Cal/ MT to 6.0 G Ca/ MT.
- Group II : urea units having pre-set energy norms between 6.0 G.Cal/ MT to 7.0 G Ca/ MT.
- Group III: urea units having pre-set energy norms more than 7.0 G.Cal/ MT

25 gas based units will be eligible to get concession rates on the basis of energy norms fixed for each group from 1<sup>st</sup> June, 2015 to 31<sup>st</sup> March, 2018.

*Revised energy norms for three years (2015-16 to 2017-18):* For the year 2015-16 (from 1<sup>st</sup> June, 2015 onwards), 2016-17 and 2017-18, the revised energy norms would be the simple average of pre-set energy norms of NPS-III and average actual energy consumption achieved during the years 2011-12, 2012-13 and 2013-14 or the pre-set energy norms of NPS III whichever is lower.

*Energy norms for the year 2018-19 will be:*

- Group I: 5.5 G. Cal/ MT except TCL, Babrala for which, existing pre-set energy consumption norm of NPS-III, i.e., 5.417 G Cal/MT will continue
- Group II: 6.2 G.Cal/ MT.
- Group III: 6.5 G.Cal/ MT.

*BVFCL-Namrup:* BVFCL-Namrup-II and BVFCL-Namrup III are proposed to be closed and to install a new high efficiency unit and will be dealt separately under their restructuring proposal. Till then, these two units will function under the provisions of Modified NPS-III.

*Naphtha based plants:* MFL-Manali, MCFL-Mangalore and SPIC-Tuticorin are allowed by the Government to operate on naphtha on existing provisions for a period till these plants get assured supply of gas either by gas pipeline or any other means.

The units will be eligible for subsidy on the basis of the revised energy norms from 17<sup>th</sup> June, 2015 which would be the simple average of pre-set energy norms of NPS-III and lowest yearly specific energy consumption achieved during the years 2011-12, 2012-13 and 2013-14 or the pre-set energy norms of NPS-III, whichever is lower.

The concession rates for these plants will be determined notionally on the basis of weighted average of the delivered cost of RLNG to the recently converted plants after deducting state taxes (VAT, Entry tax) on RLNG or the cost of production of urea from Naphtha/FO after deducting state taxes levied on Naphtha/FO consumed for urea production (VAT, Entry tax) on Naphtha / FO, whichever is lower.

The specific energy consumption norms for these three units from financial year 2018-19 will be 6.5 G Cal / MT of urea.

*Compensation for other variable cost and fixed cost:* The compensation for other variable cost , e.g., the cost of bag, water charges and electricity charges and fixed cost will be determined in accordance with existing provisions of NPS III and Modified NPS III.

*Production beyond re-assessed capacity:* For production beyond the re-assessed capacity, the units will be entitled for their respective variable cost (as applicable to re-assessed capacity) and a uniform per MT incentive equal to the lowest of the per MT fixed costs of all the indigenous urea units subject to import parity price plus weighted average of other incidental charges which the government incurs on the imported urea.

#### **NBS policy for P & K fertilisers for 2015-16**

Department of Fertilizers (DoF) issued OM on the 25<sup>th</sup> June, 2015 regarding implementation of the Nutrient Based Subsidy (NBS) policy for Phosphatic and Potassic Fertilisers (P & K) and revision in the NBS rates for 2015-16. The NBS rates for 2015-16 will continue to remain unchanged at the level of 2014-15.

#### **2016**

##### **Promotion on Policy of City Compost**

DoF issued an Office Memorandum (OM) on the 10<sup>th</sup> February, 2016 regarding Policy on Promotion of City Compost. Under the policy, market development assistance in the form of fixed amount of Rs. 1500 per tonne of City Compost will be provided for production and consumption of the product. The fertiliser marketing companies shall be eligible for on-account payment up to 50% only on the basis of first point sale (to the dealer/retailer) at the district level. The balance shall be released on receipt of retailer's acknowledgement in mFMS as well as issue of required certificates relating to quantity and quality issued by the respective State Governments in prescribed forms. Fertiliser companies and marketing entities will also co-market city compost with chemical fertilisers through their dealers' network.

##### **Removal of the minimum capacity utilisation criteria for SSP manufacturing units to be eligible for subsidy under NBS scheme**

DoF issued an OM on the 18<sup>th</sup> March, 2016 regarding removal of the minimum capacity utilization criteria for SSP manufacturing units to be eligible for subsidy under NBS scheme. As per the OM, the Government has decided to do away with the provision of mandatory 50% capacity utilization or minimum annual production of 40000 MT for SSP units to be eligible for subsidy.

##### **Revision in the NBS rates for 2016-17**

DoF revised NBS rates for P & K fertilisers for 2016-17 vide OM dated the 30<sup>th</sup> March, 2016. The NBS rates for N has been reduced from Rs.20.875/ kg in 2015-16 to Rs.15.854 /kg for 2016-17. NBS for P has been reduced from Rs. 18.679 / kg to Rs. 13.241/ kg and K from Rs. 15.500/ kg to Rs. 15.470 / kg. However, in case of S it has been raised from Rs.1.677 / kg to Rs. 2.044/ kg. Per tonne additional subsidy for fortified fertilisers with Boron fixed at Rs.300 per tonne and Zinc Rs.500 per tonne continues. As per the policy, it has also been decided that the subsidy rates will be reviewed on half yearly basis instead of annual basis.

**Revised rates for the direct movement of fertilizers by road from Plant/Port upto 500 Kms**

DoF issued a notification on 17<sup>th</sup> June, 2016 regarding revised rates for the direct movement of fertilisers by road upto 500 Kms from Plant/Port to block for the period 2008-09 to 2014-15. The rates are based on the recommendations of Tariff Commission for the year 2007-08 and have been escalated/de-escalated by WPI (composite road transport index) for the subsequent years. The revised rates are presented in the following table.

Distance Slab (Km)	Normative rates (Rs. Per MT/Km)							
	2007-08 (As recommended by Tariff Commission)	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
0-100	3.02	3.25	3.24	3.61	3.81	4.06	4.53	4.60
101-250	1.93	2.07	2.06	2.30	2.43	2.59	2.89	2.93
251-350	1.44	1.55	1.54	1.72	1.82	1.94	2.16	2.19
351-500	1.29	1.39	1.38	1.54	1.63	1.74	1.94	1.97

Primary freight for direct road movement of fertilisers (upto 500kms) shall be paid on the basis of lower of the following:

- i) Freight amount calculated for the month based on the slab rates indicated above; or
- ii) The actual expenditure incurred by the company during the month, duly certified by company's statutory auditors.

The freight subsidy for secondary movement for North-Eastern and Hilly states will be paid as per the notification dated 25<sup>th</sup> October, 2012 till the finalization of study by Tariff Commission.

**Road Freight rates for Urea manufacturing/importing units under the uniform freight subsidy scheme**

The Department of Fertilizers, Ministry of Chemicals & Fertilizers issued a notification on 17<sup>th</sup> June, 2016 regarding road freight rates for Urea manufacturing/importing units under the uniform freight subsidy scheme and made the following amendment:

“The reimbursement of secondary freight cost will be allowed on the monthly basis at the lower of, (i) normative per tonne per km rates as notified by DoF from time to time; or (ii) the actual expenditure incurred by the company on secondary freight during the said month, duly certified by company's statutory auditor.” The above amendments will be effected from 1<sup>st</sup> April, 2008.

**Incentives to the retailers for acknowledging the receipt of fertilizer in m-FMS regarding**

DoF issued a notification on 22<sup>nd</sup> September, 2016 regarding incentives to the retailers for acknowledging the receipt of fertiliser in m-FMS. DoF clarified that IT related equipment such as PoS devices etc. may be installed out of Rs.50/MT allowed earlier for acknowledging the receipt of fertilisers through FMS.

**Coastal Shipping/Inland waterways included under policy for reimbursement of freight**

DoF has decided to allow movement of fertilisers (urea and P&K) through Coastal Shipping/Inland waterways under the policy for reimbursement of freight vide DoF OM dated the 13<sup>th</sup> October, 2016. Accordingly, the primary movement will refer to movement of subsidized fertilisers by rail and/or coastal shipping or inland water transportation or by any or two or by all three modes of transportation from the plant or port to various rake points of districts.

\* \* \* \* \*



**PART I**

**INDIAN FERTILISER  
STATISTICS**

**PART I**

**SECTION 1**

**FERTILISERS**

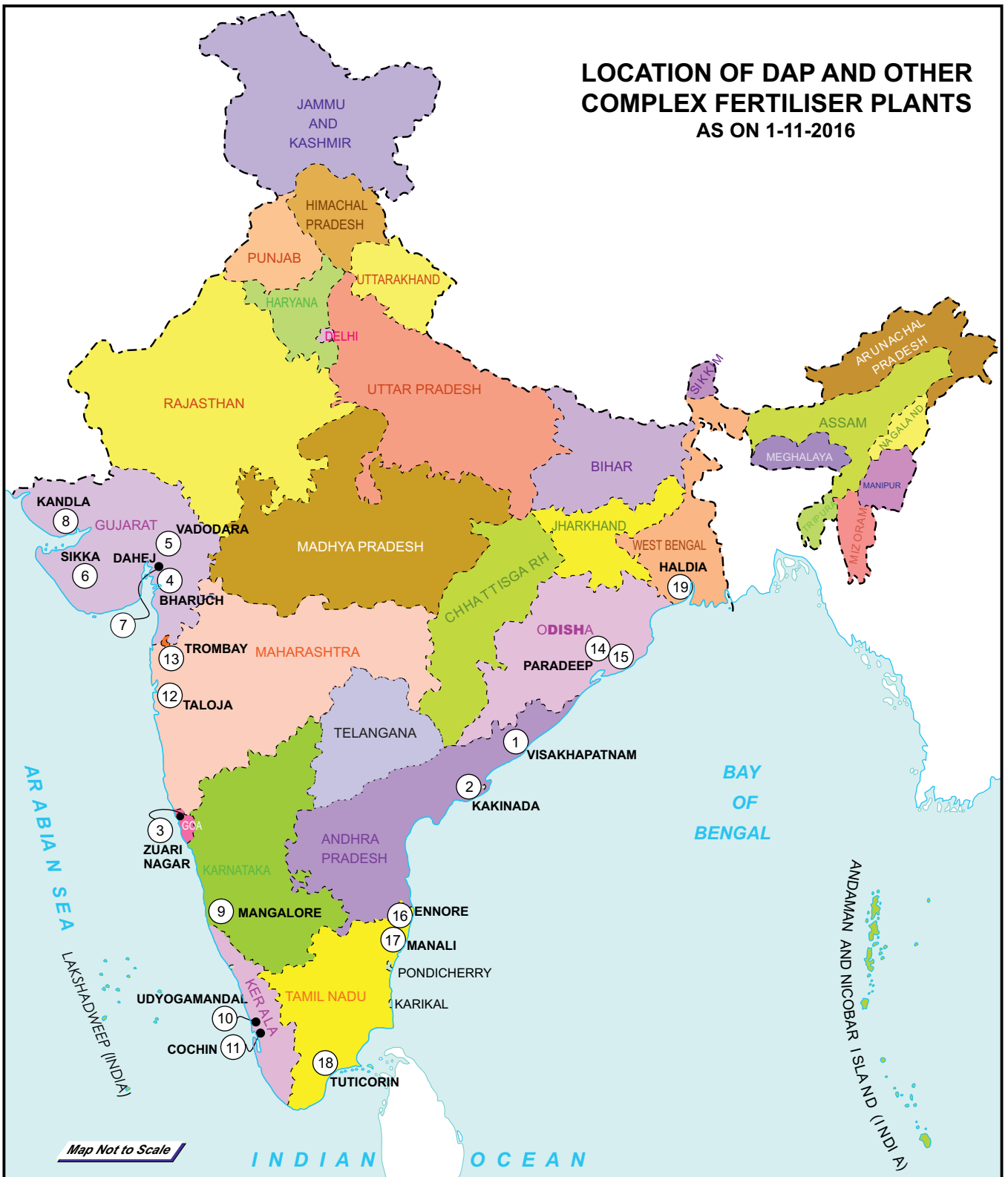
### LOCATION OF STRAIGHT NITROGENOUS FERTILISER PLANTS (Urea, AS, CAN & ACI) AS ON 1-11-2016



LIST OF STRAIGHT NITROGENOUS FERTILISER PLANTS (Urea, AS, CAN & ACI) (As on 1.11.2016)					
Sl. No.	State/Name of the plant and location	End Product	Sl. No.	State/Name of the plant and location	End Product
<b>Andhra Pradesh</b>			<b>Madhya Pradesh &amp; Chhattisgarh</b>		
1	Nagarjuna Fertilizers & Chemicals Ltd., Kakinada	Urea	17	SAIL, Bhilai	AS
2	Rashtriya Ispat Nigam Ltd., Visakhapatnam	AS	18	NFL, Vijapur	Urea
<b>Assam</b>			<b>Maharashtra</b>		
3	Brahmaputra Valley Fertilizer Corpn. Ltd. (BVFCL), Namrup - II	Urea	19	Rashtriya Chemicals & Fertilizers Ltd. (RCFL), Trombay V	Urea
4	Brahmaputra Valley Fertilizer Corpn. Ltd. (BVFCL), Namrup - III	Urea	20	RCFL, Thal Vaishet (2 plants)	Urea
<b>Jharkhand</b>			<b>Odisha</b>		
5	SAIL, Bokaro	AS	21	SAIL (Fert. Plant), Rourkela*	CAN
<b>Goa</b>			22	SAIL, Rourkela	AS
6	Zuari Agro Chemicals Ltd. (ZACL), Zuari Nagar	Urea	<b>Punjab</b>		
<b>Gujarat</b>			23	NFL, Nangal II	Urea
7	Hindustan Chemicals Co., Surat	AS	24	NFL, Bhatinda	Urea
8	Gujarat Narmada Valley Fertilizers & Chemicals Ltd. (GNVFC), Bharuch	Urea, CAN*	<b>Rajasthan</b>		
9	Gujarat State Fertilizers & Chemicals Ltd. (GSFC), Vadodara	Urea, AS	25	Chambal Fertilisers & Chemicals Ltd., Gadepan, Kota	Urea
10	GSFC-Polymer Unit, Vadodara	AS	26	Shriram Fertilisers & Chemicals (SFC), Kota	Urea
11	Indian Farmers Fertilisers Coop. Ltd. (IFFCO), Kalol	Urea	<b>Tamil Nadu</b>		
12	Krishak Bharati Coop. Ltd. (KRIBHCO) (2 plants) Hazira	Urea	27	Madras Fertilisers Ltd. (MFL), Manali	Urea
<b>Haryana</b>			28	Southern Petrochemical Industries Corpn. Ltd. (SPIC), Tuticorin	Urea
13	National Fertilizers Ltd. (NFL), Panipat	Urea	29	Tuticorin Alkali Chemicals and Fertilisers, Ltd., Tuticorin	ACI
<b>Karnataka</b>			<b>Uttar Pradesh</b>		
14	Mangalore Chemicals & Fertilizers Ltd. (MCFL), Mangalore	Urea	30	Kanpur Fertilisers & Cement Ltd., Panki	Urea
<b>Kerala</b>			31	IFFCO, Aonla	Urea
15	Fertilisers & Chemicals Travancore Ltd. (FACT), Udyogamandal	AS	32	IFFCO, Phulpur	Urea
16	FACT, Cochin - I*	Urea	33	Indo Gulf Fertilisers, Jagdishpur (A unit of: Aditya Birla Nuvo Ltd.)	Urea
			34	KRIBHCO Shyam Ferts. Ltd., Shahjahanpur	Urea
			35	Tata Chemicals Ltd., Babrala	Urea
			<b>West Bengal</b>		
			36	IISCO, Burnpur-Kulti	AS
			37	SAIL, Durgapur	AS

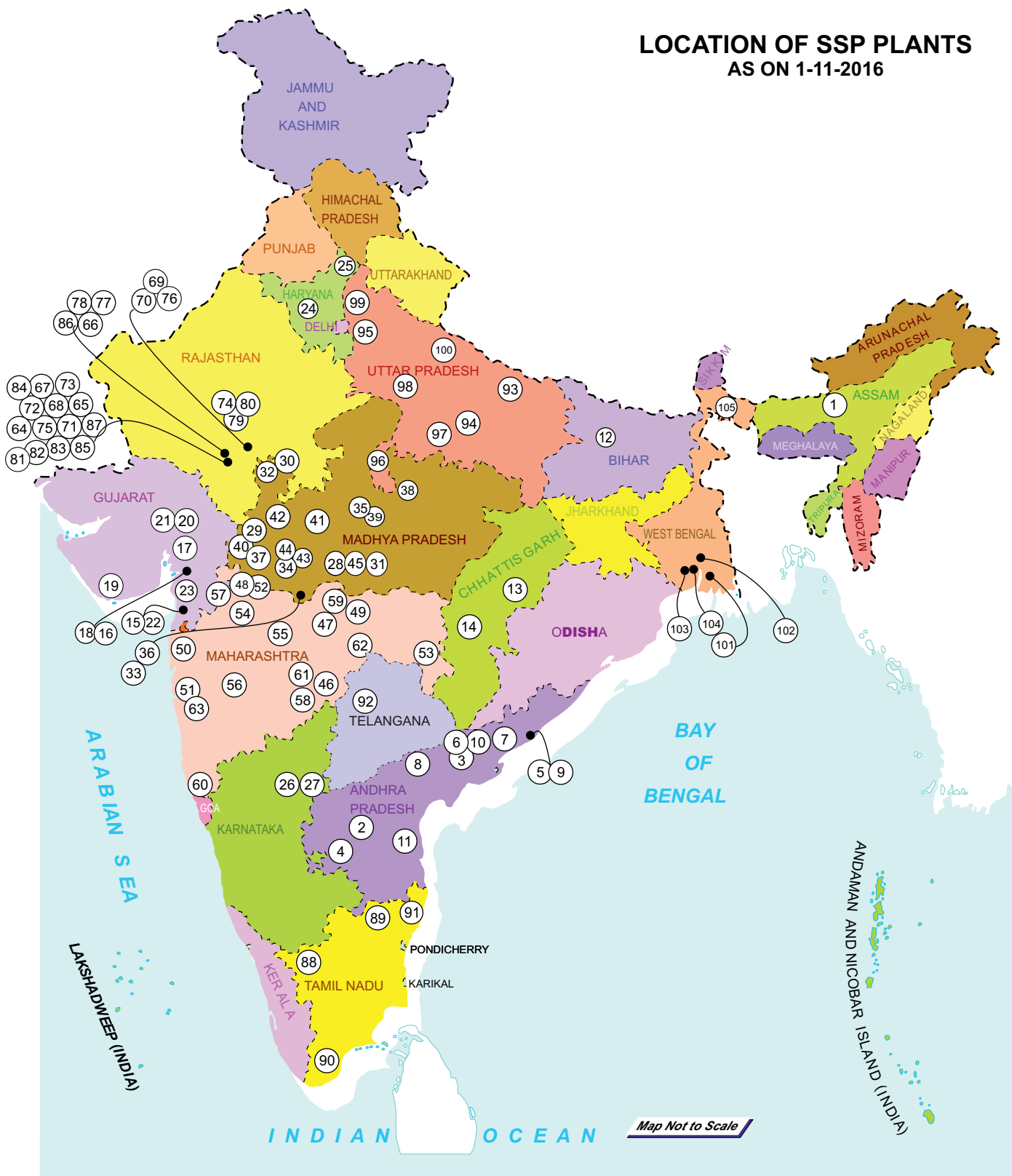
\* = Plant not in operation.

### LOCATION OF DAP AND OTHER COMPLEX FERTILISER PLANTS AS ON 1-11-2016



LIST OF DAP AND OTHER COMPLEX FERTILISER PLANTS (As on 1.11.2016)		
Sl. No.	State/Name of the plant and location	End Product
<b>Andhra Pradesh</b>		
1	Coromandel International Ltd., Visakhapatnam	DAP,APS/NPKs
2	Coromandel International Ltd., Kakinada	DAP, NP(APS)/NPKs
<b>Goa</b>		
3	Zuari Agro Chemicals Ltd. (ZACL), Zuari Nagar	DAP, NP(APS)/NPKs
<b>Gujarat</b>		
4	Gujarat Narmada Valley Fertilizers & Chemicals Ltd. (GNVFC), Bharuch	ANP
5	Gujarat State Fertilizers & Chemicals Ltd. (GSFC), Vadodara	DAP, NP(APS)
6	Gujarat State Fertilizers & Chemicals Ltd., Sikka	DAP
7	Hindalco Industries Ltd., Dahej	DAP, NPKs
8	IFFCO, Kandla	DAP, NPKs
<b>Karnataka</b>		
9	Mangalore Chemicals & Fertilizers Ltd. (MCFL), Mangalore	DAP, NP(APS)/NPKs
<b>Kerala</b>		
10	Fertilisers & Chemicals Travancore Ltd. (FACT), Udyogamandal	APS
11	FACT, Cochin - II	APS
<b>Maharashtra</b>		
12	Deepak Fertilisers & Petro Chemicals Corpn. Ltd., Taloja	ANP
13	Rashtriya Chemicals & Fertilizers Ltd. (RCFL), Trombay (I & IV)	Nitrophosphate; ANP
<b>Odisha</b>		
14	IFFCO, Paradeep	DAP, NP/NPKs
15	Paradeep Phosphates Ltd., Paradeep	DAP, NP(APS)/NPKs
<b>Tamil Nadu</b>		
16	Coromandel International Ltd., Ennore	NP(APS)
17	Madras Fertilizers Ltd. (MFL), Manali	UAP, NP(APS)/NPKs
18	Greenstar Fertilizers Ltd., Tuticorin	DAP, NP(APS)
<b>West Bengal</b>		
19	Tata Chemicals Ltd. (Phosphatic Division), Haldia	DAP, NP/NPKs

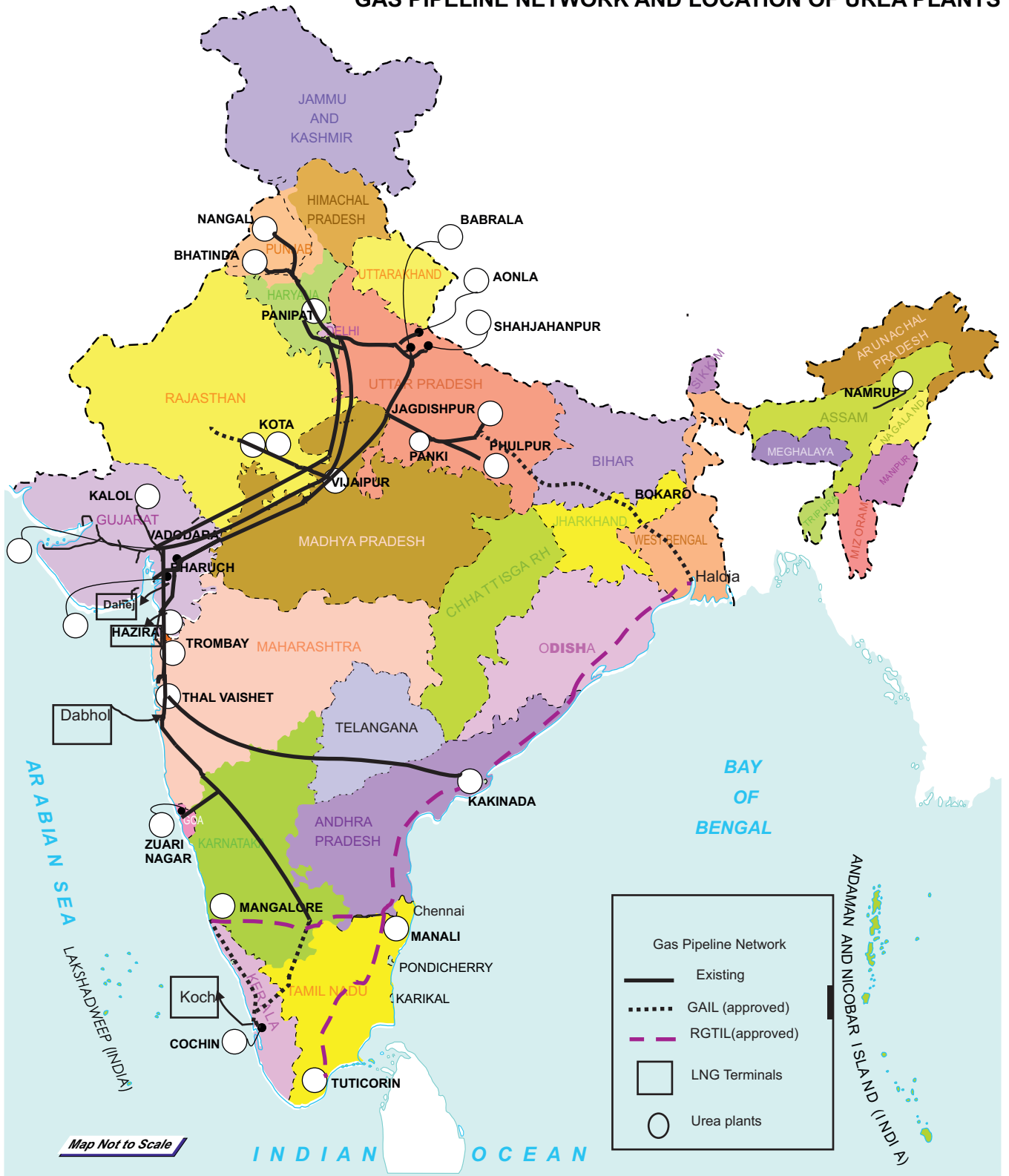
### LOCATION OF SSP PLANTS AS ON 1-11-2016



LIST OF SSP FERTILISER PLANTS (As on 1-11-2016)			
Sl. No.	State/Name of the plants and location	Sl. No.	State/Name of the plants and location
<b>IN PRODUCTION</b>			
<b>Assam</b>		<b>Maharashtra (Concluded)</b>	
1	Progressive Fertilchem Pvt. Ltd, Topatoli, Kamrup	51	Coromandel International Ltd., Raigad
<b>Andhra Pradesh</b>		52	Datta Agro Services Pvt. Ltd., Jalgaon
2	Agri Green Fertilizers & Chems. Pvt. Ltd, Kadapa	53	Kasturchand Fertilizers, Wadsa, Gadchiroli
3	The Andhra Sugars Ltd., Tanuku, West Godavari Dist.	54	R C Fertilisers Pvt. Ltd., Lakhmapur, Nasik
4	Bhaskar Fertilisers Ltd., Anantapur	55	Rajlaxmi Agrotech India Pvt. Ltd., Gundewadi, Jalna
5	GDS Chemicals & Fertilizers Pvt. Ltd., Anakapalle (M), Visakhapatnam	56	Rama Krishi Rasayan, Loni Kalbhor, Pune
6	Krishna Industrial Corpn. Ltd., Nidadavole, W. Godavari Dist.	57	R.M. Phosphate and Chemicals Pvt. Ltd., Nardana, Dhule
7	K.P.R. Fertilisers (P) Ltd., Biccavolu, East Godavari Dist.	58	Shiva Global Agro Industries Ltd., Nanded
8	NG Fertilizers & Chemicals Pvt. Ltd., Kodurupadu Village, Krishna Dist.	59	Shree Datta Ferts. & Chemical Pvt. Ltd., Amravati
9	Prathyusha Chemicals & Fertilizers Ltd., Visakhapatnam	60	Shree Pushkar Chemicals & Fertilisers Ltd., Ratnagiri
10	Subhodaya Chemicals Ltd., Gowripatnam, West Godavari	61	Shri Bhavani Mishra Fertilizers Pvt. Ltd., Nanded
11	Vinayaka Agro Fertilizers India (P) Ltd., Survepalli Bit II (v), Venkatachalam (M), S.P.S.R. Nellore (Dt.)	62	Shri Gajraj Fertilizers Pvt. Ltd., Bhojar, Yavatmal
<b>Bihar</b>		63	Zuari Fertilisers and Chemicals Ltd., Mahad, Dist. Raigad
12	Shrikrishna Fertilizers Ltd., Muzaffarpur	<b>Rajasthan</b>	
<b>Chattisgarh</b>		64	Adheeshaa Phosphates, Umarada, Udaipur
13	BEC Fertilizers, Bilaspur	65	Arawali Phosphate Ltd., Umra, Udaipur
14	Khaitan Chemicals & Fertilizers Ltd., Rajnandgaon	66	Arihant Phosphates & Fertilizers Ltd., Nimbaheda, Chittorgarh
<b>Gujarat</b>		67	Blue Phosphate Limited, Udaipur
15	Aarti Fertilizers (A Division of Aarti Industries Ltd), Vapi, Valsad	68	Bohra Industries Ltd., Umra, Udaipur
16	BEC Fertilizers, Jhagadia, Bharuch	69	Chambal Fertilisers & Chemicals Ltd., Gadepan
17	Coromandel International Ltd., Vadodara	70	Coromandel International Ltd., Jaggura, Kota
18	Khaitan Chemicals & Fertilizers Ltd., Dahej, Bharuch	71	Coromandel International Ltd., Madri, Udaipur
19	Narmada Agro Chemicals Pvt. Ltd., Mangrol, Junagadh	72	Devyani Phosphate Pvt. Ltd., Udaipur
20	Narmada Bio-chem Pvt. Ltd., Kalyangadh, Ahmedabad	73	Dharamsi Morarji Chemical Co. Ltd., Khemli, Udaipur
21	Nirma Limited, Moraiya, Ahmedabad	74	Gayatri Spinners Ltd., Hamirgarh, Bhilwara
22	Sona Phosphates Ltd., Sarigam, Valsad	75	Indian Phosphate Ltd., Umrada, Udaipur
23	T. J. Agro Fertilizers Pvt. Ltd., Navsari	76	Jagdamba Phosphate, Kota
<b>Haryana</b>		77	Jubilant Agri and Consumer Products Ltd., Singhapura, Chittorgarh
24	Kisan Phosphates Pvt. Ltd., Gawar, Hisar	78	Khaitan Chemicals & Fertilizers Ltd., Nimbahera, Chittorgarh
25	Nitin Chemicals & Fertilizers Ltd., Rukri, Ambala	79	Mangalam Phosphates Ltd., Hamirgarh, Bhilwara
<b>Karnataka</b>		80	Ostwal Phoschem (India) Ltd., Hamirgarh, Bhilwara
26	K.P.R. Fertilisers Ltd., Halvarthi, Koppal Dist.	81	Patel Phoschem Ltd., Umrada, Udaipur
27	Coromandel International Limited, Munirabad (RS), Koppal (formerly: Tungabhadra Fertilizers & Chemicals Co. Ltd.)	82	Prem Sakhi Fertilizers Ltd., Lakadwas, Udaipur
<b>Madhya Pradesh</b>		83	Rama Phosphates Ltd., Umra, Udaipur
28	Agro Phos (India) Limited, Dewas	84	R.C. Fertilizers Pvt. Ltd., Gudli, Udaipur
29	Agro Phos (India) Limited, Meghnagar, Jhabua	85	Sadhana Phosphates & Chems. Ltd., Gudli, Udaipur
30	Arihant Fertiliser & Chems India Ltd., Kanawati, Neemuch	86	Shri Ganapati Fertilisers Ltd., Kapasan, Chittorgarh
31	Balaji Phosphates Pvt. Ltd., Dewas	87	Shurvi Colour Chem Ltd., Madri, Udaipur
32	Basant Agro Tech (India) Ltd., Jawad, Neemuch	<b>Tamil Nadu</b>	
33	Coromandel International Ltd., Nimrani, Khargone	88	Coimbatore Pioneer Fertilizers Ltd., Coimbatore
34	Indra Industries Ltd., Sandla, Dhar	89	Coromandel International Ltd., Ranipet, North Arcot
35	KMN Chemicals & Ferts. Ltd., Diwanganj, Raisen	90	Greenstar Fertilizers Ltd., Guindy, Tuticorin
36	Khaitan Chemicals & Fertilizers Ltd., Nimrani, Khargone	91	Gemini Fertilizers, Nungambakkam, Ennore, Chennai <sup>1</sup>
37	Krishana Phoschem Ltd., Meghnagar, Jhabua	<b>Telangana</b>	
38	Madhya Bharat Agro Products Ltd., Rajoua, Sagor	92	Chemtech Fertilisers Ltd., Kazipalli, Medak
39	Madhya Bharat Phosphates Pvt Ltd., Raisen	<b>Uttar Pradesh</b>	
40	Madhya Bharat Phosphates Pvt Ltd., Meghnagar, Jhabua	93	Asian Fertilizers Ltd., Gorakhpur
41	Mahadhan Phosphate Pvt. Ltd., Navalakha, Indore <sup>2</sup>	94	Coromandel International Ltd., Raebareli
42	Mexican Agro Chemicals Ltd., Jaggakhedi, Mandsaur	95	Jubilant Agri and Consumer Products Ltd., Bhartiagram, Gajraula
43	Rama Phosphates Ltd., Indore	96	Khaitan Chemicals & Fertilizers Ltd., Goramachhia, Jhansi
44	Suman Phosphates & Chems. Pvt. Ltd., Indore	97	Khaitan Chemicals & Fertilizers Ltd., Malwan, Fatehpur
45	Varun Fertilizers Pvt. Ltd., Dewas	98	Madan Madhav Ferts. & Chems. Pvt. Ltd., Fetehgarh, Farrukhabad
<b>Maharashtra</b>		99	Natraj Organics Ltd., Muzaffarnagar
46	Balaji Fertilisers Pvt. Ltd., Nanded	100	V.K. Phosphates Ltd., Bartara, Shahjahanpur
47	Basant Agro Tech (India) Ltd., Akola	<b>West Bengal</b>	
48	Basant Agro Tech (India) Ltd., Jalgaon	101	Sai Fertilizers Pvt. Ltd., Deewanmara Aima, Midnapore (W)
49	BEC Fertilizers, Pulgaon, Gunjkhedra, Wardha	102	The Jay Shree Chemicals & Fertilisers, Khardah, 24 Parganas
50	Bharat Agri Fert. & Realty Ltd., Kharivali, Thane	103	The Phosphate Co. Ltd., Rishra, Hooghly
Note: 1) Gemini Fertilizers has taken over the operation of Kothari Industries Corpn Ltd. on lease for 10 years since June 2015.		104	Tata Chemicals Ltd., Haldia, Midnapore (East)
2) Mahadhan Phosphate Pvt. Ltd. has taken over the operation of Mukteshwar Fertilisers on lease for 5 years since January 2013.		105	Teesta Agro Industries Ltd., Rajganj, Jalpaiguri

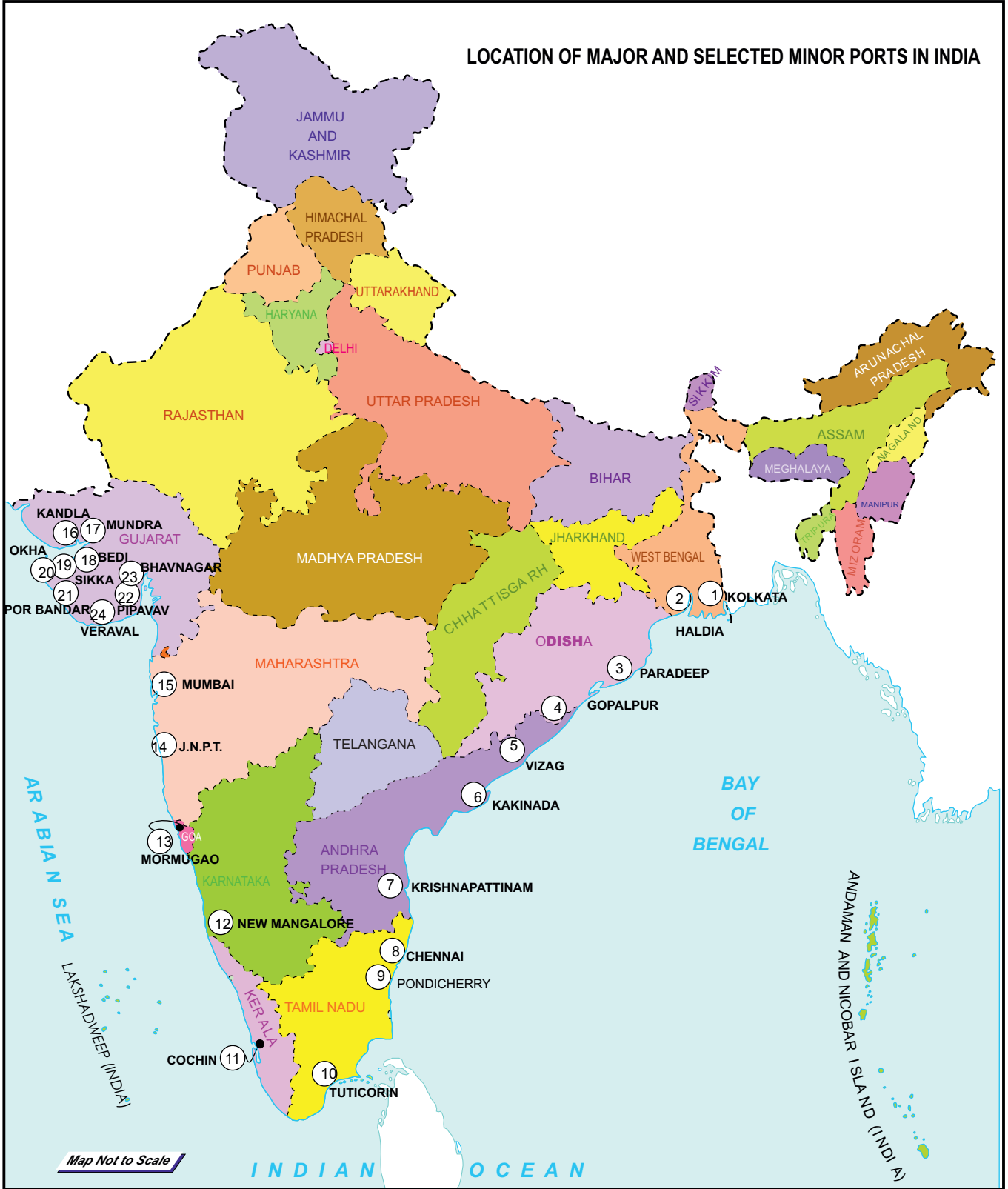


### GAS PIPELINE NETWORK AND LOCATION OF UREA PLANTS



Source: Map based on information from the websites of PNGRB, GAIL, RGTI & GSPL. The pipeline network and LNG terminals are indicative only.

LOCATION OF MAJOR AND SELECTED MINOR PORTS IN INDIA



Map Not to Scale

**1.00 FERTILISER PRODUCTION CAPACITY**

1.01 (a) SECTOR-WISE CAPACITY AND PRODUCTION OF N AND P <sub>2</sub> O <sub>5</sub>								
(Capacity: As on 1.11.2016) (Production: 2015-16 April-March) (Figures in '000 tonne nutrient)								
Sector	N		P <sub>2</sub> O <sub>5</sub>					
	Capacity	Production	Capacity			Production		
			NP/NPKs	SSP	Total	NP/NPKs	SSP	Total
Public	3533.6	3511.9	386.5	-	386.5	215.7	-	215.7
Private	6434.6	6164.0	3210.8	1807.8	5018.6	2126.5	692.7	2819.2
Cooperative	3637.7	3800.0	1712.8	-	1712.8	1390.9	-	1390.9
<b>Total</b>	<b>13605.9</b>	<b>13475.9</b>	<b>5310.1</b>	<b>1807.8</b>	<b>7117.9</b>	<b>3733.1</b>	<b>692.7</b>	<b>4425.8</b>
1.01 (b) SECTOR-WISE CAPACITY OF FERTILISER PRODUCTS								
(Capacity: As on 1.11.2016) (Figures in '000 tonne product)								
Sector	Urea	Ammonium Sulphate (AS)	Calcium Ammonium Nitrate (CAN)	Ammonium Chloride (A.Cl.)	Complex Fertilisers (including DAP)	Single Super Phosphate (SSP)	Total product	
Public	6894.4	429.5	-	-	2163.5	-	9487.4	
Private	10166.7	240.6	142.5\$	105.0	8811.6	11298.7	30622.6	
Cooperative	6437.1	-	-	-	4335.4	-	10772.5	
<b>Total</b>	<b>23498.2</b>	<b>670.1</b>	<b>142.5\$</b>	<b>105.0</b>	<b>15310.5*</b>	<b>11298.7</b>	<b>50882.5</b>	
* = Out of which DAP capacity is about 7946 thousand tonnes.					\$ = Closed. Not included in total.			

**1.01 (c) CAPACITY AND PRODUCTION OF NITROGENOUS & COMPLEX FERTILISERS  
PLANT-WISE AND PRODUCT-WISE**

('000 tonnes)

Name of the plant/ location	Sector	Feedstock / Intermediate	Date of commissioning	Name of the product	End product		Nutrient				
					Capacity (As on 1.11.2016)	Production 2015-16	Capacity (As on 1.11.2016)		Production (2015-16)		
							N	P <sub>2</sub> O <sub>5</sub>	N	P <sub>2</sub> O <sub>5</sub>	
<b>I. IN PRODUCTION</b>											
1. BVFCL:	Public										
(a) Namrup II (Assam)		N. Gas	Oct. 1976 Revamp: Nov. 2005	Urea	240.0	64.5	110.4	-	29.7	-	
(b) Namrup III (Assam)		N. Gas	Oct. 1987 Revamp: March 2002	Urea	270.0	256.4	124.2	-	117.9	-	
2. Coromandel International Limited (Formerly: CFL)	Private	Naphtha (Original)	1967 Expn.:1994	NP/NPKs 28-28-0	1300.0	350.2	312.0	312.0	218.4	218.4	
(a) Vizag (Andhra Pradesh)		External NH <sub>3</sub> (Current) Captive H3PO4	2000	24-24-0-08 20-20-0-13 14-35-14 10-26-26							11.9 587.3 Nil Nil
(b) Kakinada (Andhra Pradesh)	Private	External NH <sub>3</sub> External H <sub>3</sub> PO <sub>4</sub>	Trial production—> Train I Dec.1987 Train II Feb. 1988 Expn. Train I & Train II April 2002	20-20-0-13 24-24-0-8 28-28-0 17-17-17 14-35-14 10-26-26 12-32-16							1925.0 287.9 354.7 Nil 79.4 38.2 269.7 251.4 Nil
(b) Ennore (Tamil Nadu)	Private	External NH <sub>3</sub> Captive H <sub>3</sub> PO <sub>4</sub>	March 1963 Expn. April'97 & April 2000	APS:16-20-0-13 20-20-0-13	300.0 49.2	133.4 49.2	48.0	60.0	31.2	36.5	
3. Chambal Fertilisers & Chemicals Ltd., Gadepan, Kota (Raj.) (i) Unit I	Private	N. Gas	Trial : Dec. 1993 Commercial prodn. Jan.'94 Debottle/revamp: March 2009	Urea	1023.0 <sup>1</sup>	1090.0	470.6	-	501.4	-	
(ii) Unit II		N. Gas	October 1999 Debottle/revamp: April 2009	Urea	990.0 <sup>1</sup>	1035.2	455.4	-	476.2	-	
Total (Unit I +Unit II)				Urea	2013.0	2125.2	926.0	-	977.6	-	
4. Hindustan Chemicals Co., Surat (Gujarat)	Private	External NH <sub>3</sub>	Dec.1982	A/S	2.6	1.5	0.5	-	0.3	-	
5. Deepak Fertilisers & Petro Chemicals Corpn. Ltd., Taloja (Maharashtra)	Private	N. Gas External H <sub>3</sub> PO <sub>4</sub>	March, 1992 Expn. April 2003	Ammonium Nitro Phosphate 24-24-0	324.0	159.6	77.8	77.8	38.3	38.3	
6. Kanpur Fert. & Cement, Kanpur (Uttar Pradesh) (Formerly Duncans Ind. Ltd.)	Private	N. Gas	Dec. 1969 Revived prodn. May, 2013	Urea	722.8	717.1	332.5	-	329.9	-	

<sup>1</sup> = Capacity after revamp/ debottlenecking. Original reassessed capacity 864.6 thousand MT.

(Continued)

**1.01 (c) CAPACITY AND PRODUCTION OF NITROGENOUS & COMPLEX FERTILISERS  
PLANT-WISE AND PRODUCT-WISE (Continued)**

('000 tonnes)

Name of the plant/ location	Sector	Feedstock / Intermediate	Date of commissioning	Name of the product	End product		Nutrient			
					Capacity (As on 1.11.2016)	Production 2015-16	Capacity (As on 1.11.2016)		Production (2015-16)	
							N	P <sub>2</sub> O <sub>5</sub>	N	P <sub>2</sub> O <sub>5</sub>
7. FACT: (a) Udyogamandal (Kerala)	Public	Naphtha Captive H <sub>3</sub> PO <sub>4</sub>	June 1947 Stage I Dec. 1960 Stage II Nov. 1962 Stage III Nov. 1967 Stage IV Nov. 1971 Stage V March 1991 (Caprolactum) Ammonia replacement: March 1998	A/S (Closed:Oct.1990) APS : 20-20-0-13 16-20-0-13 A/CI (Closed: May 1989) A/S (By prod- uct from caprolactum)	148.5 225.0	120.1 79.6	76.1	29.7	40.4	24.0
(b) Cochin I (Kerala)		Naphtha	April 1973	Urea	330.0 (Idle)	NIL	152 (Idle)	-	-	-
(c) Cochin II (Kerala)		External NH <sub>3</sub> Captive H <sub>3</sub> PO <sub>4</sub>	December 1976	NP/NPKs: 20-20-0-13	485.0	407.3	97.0	97.0	81.5	81.5
8. GNFC, Bharuch (Gujarat)	Private	N. Gas	1982 Expn. April 1991	Urea CAN (25%N) ANP (20-20-0)	636.9 Closed 142.5	691.5 Nil 209.2	321.5	28.5	359.9	41.8
9. GSFC : (a) Vadodara (Gujarat)	Private	N. Gas Captive H <sub>3</sub> PO <sub>4</sub>	Phase I May 1967 Phase II June 1969 Phase III Aug. 1974	Urea ASP (20-20-0-13 or DAP A/S (By product from caprolactum)	370.6 200.0 165.0 228.0	361.2 310.3 Nil 334.0	257.4	40.0	297.0	62.1
(b) Vadodara (Gujarat) (Polymer Unit)		External NH <sub>3</sub>	June 1981	A/S	10.0	5.8	2.1	-	1.2	-
(c) Sikka I (Gujarat) (Train A & B)		External NH <sub>3</sub> External H <sub>3</sub> PO <sub>4</sub>	Trial - Dec. 1986 Commercial - June '87	DAP 10-26-26 12-32-16 20-20-0-13	326.0 20.0 27.6 18.2	370.2 20.0 27.6 18.2	58.7	150.0	75.6	188.0
(d) Sikka II (Gujarat) (Train C)		External NH <sub>3</sub> External H <sub>3</sub> PO <sub>4</sub>	Trial - June 2002 Commercial - Oct. '02	DAP	396.0	(Included in Sikka I)	71.3	182.2	(Included in Sikka II)	
Total (Sikka I & II) (Train A,B & C)				DAP 10-26-26 12-32-16 20-20-0-13	722.0 20.0 27.6 18.2	370.2 20.0 27.6 18.2	130.0	332.2	75.6	188.0
\$ =										

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(Continued)

**1.01 (c) CAPACITY AND PRODUCTION OF NITROGENOUS & COMPLEX FERTILISERS  
PLANT-WISE AND PRODUCT-WISE (Continued)**

('000 tonnes)

Name of the plant/ location	Sector	Feedstock / Intermediate	Date of commissioning	Name of the product	End product		Nutrient			
					Capacity (As on 1.11.2016)	Production 2015-16	Capacity (As on 1.11.2016)		Production (2015-16)	
							N	P <sub>2</sub> O <sub>5</sub>	N	P <sub>2</sub> O <sub>5</sub>
10. Greenstar Ferts. Ltd., Tuticorin (Tamil Nadu)# (Formerly: SPIC)	Private	External NH <sub>3</sub> Captive & External H <sub>3</sub> PO <sub>4</sub>	Original: April 1977 (Train I) March 1983 (Train II) July 1988 (Retrofitting of Train I) October 2011#	DAP  20-20-0-13	347.0	265.9	115.5	211.0	96.1	170.6
					259.1	241.4				
11. Hindalco Industries Ltd., Dahej (Gujarat)	Private	External NH <sub>3</sub> Captive H <sub>3</sub> PO <sub>4</sub>	Sept. 2000	DAP NP/NPK (In lieu of DAP) 10-26-26 12-32-16	400.0	323.7	72.0	184.0	58.3	148.9
						Nil				
						Nil				
12. IFFCO :	Cooperative									
(a) Kalol (Gujarat)		N.Gas	April 1975 Expn. Sept.1997	Urea	544.5	600.5	250.5	-	276.2	-
(b) Kandla (Gujarat)		External NH <sub>3</sub> External H <sub>3</sub> PO <sub>4</sub>	Nov. 1974/Jan. 1975 Expn. 1981 Expn. June 1999	NP/NPK : 10-26-26 12-32-16 DAP	1215.4	648.0	351.5	910.0	295.0	769.9
						987.8				
						620.3				
(c) Phulpur (Uttar Pradesh)										
(i) Unit I		N. Gas	March 1981 Debottle/revamp: 2008	Urea	697.9 <sup>2</sup>	757.9	321.0	-	348.6	-
(ii) Unit II		N. Gas	Expn. Dec.1997 Debottle/revamp: 2008	Urea	999.9 <sup>1</sup>	1053.9	460.0	-	484.8	-
Total (Unit I +Unit II)				Urea	1697.8	1811.8	781.0	-	833.4	-
(d) Aonla (Uttar Pradesh)										
(i) Unit I		N. Gas	Trial: May 1988 Commercial :July'88 Debottle/revamp: 2008	Urea	999.9 <sup>1</sup>	1132.8	459.9	-	521.1	-
(ii) Unit II		N. Gas	Expn. Nov. 1996 Debottle/revamp: 2008	Urea	999.9 <sup>1</sup>	1122.7	459.9	-	516.4	-
Total (Unit I +Unit II)				Urea	1999.8	2255.5	919.8	-	1037.5	-
(e) Paradeep (Orissa) (Formerly: Oswal Chems. & Fert.)		External NH <sub>3</sub> Captive H <sub>3</sub> PO <sub>4</sub>	Original: April 2000 Sept. 2005	DAP 28-28-0 20-20-0-13 10-26-26 12-32-16	1500.0	1052.4 Nil	325.2	802.8	314.8	621.0
					420.0	591.5				
						41.4				
						24.4				

<sup>1</sup> = Capacity after revamp/ debottlenecking. Original reassessed capacity 864.6 thousand MT.

<sup>2</sup> = Capacity after revamp/ debottlenecking. Original reassessed capacity 551.1 thousand MT.

# = Greenstar Ferts. Ltd. has taken over the phosphate division of SPIC w.e.f. 24th Oct. 2011.

(Continued)

**1.01 (c) CAPACITY AND PRODUCTION OF NITROGENOUS & COMPLEX FERTILISERS  
PLANT-WISE AND PRODUCT-WISE (Continued)**

('000 tonnes)

Name of the plant/ location	Sector	Feedstock / Intermediate	Date of commissioning	Name of the product	End product		Nutrient			
					Capacity (As on 1.11.2016)	Production 2015-16	Capacity (As on 1.11.2016)		Production (2015-16)	
							N	P <sub>2</sub> O <sub>5</sub>	N	P <sub>2</sub> O <sub>5</sub>
13. Indo Gulf Fertilisers (A unit of Aditya Birla Nuvo Ltd.), Jagdishpur (Uttar Pradesh)	Private	N. Gas	Trial - Oct. 1988 Commercial - Nov. 1988	Urea	1105.5 <sup>1</sup>	1208.1	508.5	-	555.7	-
14. KRIBHCO, Hazira (Gujarat)	Coop- erative	N. Gas	March 1986 Debottle/revamp: May 2012	Urea	2195.0 <sup>3</sup>	2267.9	1009.7	-	1043.2	-
15. KRIBHCO Shyam Ferts. Ltd., Shahjahanpur (Uttar Pradesh) (Formerly: Oswal Chems. & Fert.)	Private	N. Gas	Trial production -- Nov. 1995. Commercial production Dec.1995	Urea	864.6 <sup>5</sup>	982.6	397.7	-	452.0	-
16. MFL, Manali (Tamil Nadu)	Public	Naphtha	Nov. 1971	Total Urea	486.8	407.3	254.3	142.8	193.3	5.9
		External H <sub>3</sub> PO <sub>4</sub>	III Stream: Oct. 1976 Revamp : Aug./Sept. 1997 Coml. Prdn. March '98	Urea for Sale NP/NPKs : 17-17-17 20-20-0-13 19-19-19	242.4	34.8 Nil Nil				
17. MCFL, Mangalore (Karnataka)	Private	Naphtha	March 1976	Urea	379.5	379.5	222.2	109.2	213.3	69.8
		External NH <sub>3</sub> and H <sub>3</sub> PO <sub>4</sub>	Expn. Dec. 1986	DAP 16-20-0-13 20-20-0-13	220.0 40.0	110.4 2.2 92.7				
18. Nagarjuna Fertilizers & Chemicals Ltd., Kakinada (A.P.)	Private	N. Gas	Trial :July 1992, Commercial : Aug. 1992 Debottle/revamp: Oct. 2009	Unit I	767.3 <sup>4</sup>	630.4	353.0	-	290.0	-
				(ii) Unit II	752.7 <sup>4</sup>	711.2	346.2	-	327.2	-
Total (Unit I +Unit II)				Urea	1520.0	1341.6	699.2	-	617.1	-
19. NFL :	Public									
(a) Bhatinda (Punjab)		N. Gas	Oct. 1979	Urea	511.5	548.3	235.0	-	252.2	-
(b) Nangal (Punjab)		N. Gas	Nov.1978, Expn.:April 2001	Urea	478.5	546.5	220.1	-	251.4	-
(c) Panipat (Haryana)		N. Gas	September 1979	Urea	511.5	567.0	235.0	-	260.8	-
(d) Vijaiapur (Madhya Pradesh)										
(i) Unit I		N. Gas	Trial : Dec. 1987. Commercial :July 1988 Debottle/revamp: April 2012	Urea	999.9 <sup>1</sup>	989.5	460.0	-	455.2	-
(ii) Unit II		N. Gas	Expn. March 1997 Debottle/revamp: July 2012	Urea	1066.2 <sup>1</sup>	1146.1	490.4	-	527.2	-
Total (Unit I +Unit II)				Urea	2066.1	2135.6	950.4	-	982.4	-

<sup>1</sup> = Capacity after revamp/ debottlenecking. Original reassessed capacity 864.6 thousand MT.

<sup>3</sup> = Capacity after revamp/ debottlenecking. Original reassessed capacity 1729.2 thousand MT.

<sup>4</sup> = Capacity after revamp/ debottlenecking. Original reassessed capacity 597.3 thousand MT.

<sup>5</sup> = Reassessed capacity.

(Continued)

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**1.01 (c) CAPACITY AND PRODUCTION OF NITROGENOUS & COMPLEX FERTILISERS  
PLANT-WISE AND PRODUCT-WISE (Continued)**

('000 tonnes)

Name of the plant/ location	Sector	Feedstock / Intermediate	Date of commissioning	Name of the product	End product		Nutrient				
					Capacity (As on 1.11.2016)	Production 2015-16	Capacity (As on 1.11.2016)		Production (2015-16)		
							N	P <sub>2</sub> O <sub>5</sub>	N	P <sub>2</sub> O <sub>5</sub>	
20. Paradeep Phosphates Ltd., I & II, Paradeep (Odisha)	Private	External NH <sub>3</sub> Captive & External H <sub>3</sub> PO <sub>4</sub>	August 1986	DAP	600.0	561.8	219.0	405.0	241.3	419.2	
				15-15-15-09		Nil					
				10-26-26	50.0	93.6					
				12-32-16	50.0	28.4					
				20-20-0-13	500.0	636.9					
21. RCFL :	Public										
(a) Thal Vaishet (Maharashtra)		N. Gas	Plant I April 1985 Plant II July 1985 Retrofit Phase I: Oct./Nov.1998 Debottle/revamp: April 2012	Urea	2000.0 <sup>5</sup>	2092.3	920.0	-	962.5	-	
(b) Trombay (I & IV) (Maharashtra)		N. Gas Captive H <sub>3</sub> PO <sub>4</sub>	October 1965 November 1965 Debottle — July 1976, 4th stage expn.—April 1978 Switched over to natural gas—1979 Urea plant closed: w.e.f. 2.4.95	Urea (Closed)			117.0	117.0	104.3	104.3	
				15-15-15	420.0	461.4					
				Nitro Phosphate: 20-20-0	270.0	175.4					
				Ammonium Nitrate Phosphate :							
(c) Trombay V (Maharashtra)		N. Gas	July 1982	Urea	330.0	449.5	152.0	-	206.8	-	
22. Rashtriya Ispat Nigam Ltd., Visakhapatnam (Andhra Pradesh) (Visakhapatnam Steel Plant)	Public	COG	July 1989	A/S	48.0	49.2	9.9	-	10.1	-	
23. SAIL :	Public										
(a) Bhilai (Chhattisgarh)		COG	January 1955 Expn. I — Dec.1959 Expn. II — June 1983	A/S	55.0	30.4	11.3	-	6.3	-	
(b) Bokaro (Jharkhand)		COG	October 1972 Expn. I — Nov. 1973 Expn. II — March 1977	A/S	36.3	29.0	7.5	-	6.0	-	
(c) Durgapur (West Bengal)		COG	April 1960	A/S	14.0	13.2	2.9	-	2.7	-	
(d) IISCO, Bumpur-Kulti (West Bengal)		COG	1947	A/S	23.0	12.2	4.7	-	2.5	-	
(e) Rourkela (Odisha)		COG	March 1967	A/S	28.2	5.3	5.8	-	1.1	-	
(f) Rourkela (Fert. Plant) (Odisha)		COG+ Naphtha	November 1962 Expn. I—Aug 1969 Expn II—Naphtha Reformer 1978-79	CAN (25% N)	480.0 (Idle)	NIL	120 (Idle)	-	-	-	

<sup>5</sup> = Capacity after revamp/ debottlenecking. Original reassessed capacity 1706.8 thousand MT.

(Continued)



**1.01 (c) CAPACITY AND PRODUCTION OF NITROGENOUS & COMPLEX FERTILISERS  
PLANT-WISE AND PRODUCT-WISE (Continued)**

('000 tonnes)

Name of the plant/ location	Sector	Feedstock / Intermediate	Date of commissioning	Name of the product	End product		Nutrient			
					Capacity (As on 1.11.2016)	Production 2015-16	Capacity (As on 1.11.2016)		Production (2015-16)	
							N	P <sub>2</sub> O <sub>5</sub>	N	P <sub>2</sub> O <sub>5</sub>
24. SFC, Kota (Rajasthan)	Private	N. Gas	Feb. 1969 Expn.—Dec. 1974	Urea	379.5	400.6	174.6	-	184.3	-
25. SPIC, Tuticorin # (Tamil Nadu)	Private	Naphtha	June 1975	Urea	620.0	620.4	285.2	-	285.4	-
26. Tata Chemicals Ltd.: (a) Babrala (Uttar Pradesh)	Private	N. Gas	Dec. 1994 Debottle/revamp: Nov. 2008	Urea	1155.0 <sup>1</sup>	1230.8	531.3	-	566.2	-
(b) Haldia (Phosphatic Division) (West Bengal)		External NH <sub>3</sub> Captive & External H <sub>3</sub> PO <sub>4</sub>	January, 1985 Expn. January 1995	DAP: NPK : 10-26-26 12-32-16 20-20-0-13	660.0	258.2 51.7 103.9	118.8	303.6	69.5	147.2
27. Tuticorin Alkali Chems. & Ferts. Ltd., Tuticorin (TN)	Private	External NH <sub>3</sub>	July 1982 Expn. Oct. 1999	A/Cl.	105.0	45.6	26.3	-	11.4	-
28. ZACL, Zuari Nagar (Goa)	Private	N. Gas External H <sub>3</sub> PO <sub>4</sub>	May 1973 March 1975 Expn.— August 2000 Expn. Dec. 1984 DAP Expn. Feb. 1998 and August 2001	Urea NP/NPKs 20-20-0-13 19-19-19 10-26-26 12-32-16 DAP	399.3 400.0 372.0	399.6 Nil 94.2 316.6 97.3 136.2	310.0	262.0	269.6	194.0
<b>Total (All plants)</b>					<b>Straight fertilisers</b>		<b>10860.8</b>	<b>1807.8*</b>	<b>11379.0</b>	<b>692.7*</b>
					<b>Complex fertilisers</b>		<b>2745.1</b>	<b>5310.1</b>	<b>2096.9</b>	<b>3733.1</b>
					<b>Total</b>		<b>13605.9</b>	<b>7117.9</b>	<b>13475.9</b>	<b>4425.8</b>

<sup>1</sup> = Capacity after revamp/ debottlenecking. Original reassessed capacity 864.6 thousand MT.

# = Greenstar Ferts. Ltd. has taken over the phosphate division of SPIC w.e.f. 24th Oct. 2011.

\* = Through SSP.

Note: Production of N excludes nitrogen meant for non agricultural purposes.

**Abbreviations:**

BVFCL — Brahmaputra Valley Fertilizer Corpn. Ltd.

CIL — Coromandel International Ltd.

FACT — Fertilisers & Chemicals Travancore Ltd.

GNFC — Gujarat Narmada Valley Fertilizers & Chems. Ltd.

GSFC — Gujarat State Fertilizers & Chemicals Ltd.

IFFCO — Indian Farmers Fertilisers Coop. Ltd.

IISCO — Indian Iron & Steel Co. Ltd.

MCFL — Mangalore Chemicals & Fertilizers Ltd.

KRIBHCO — Krishak Bharati Cooperative Ltd.

MFL — Madras Fertilizers Ltd.

NFL — National Fertilizers Ltd.

RCFL — Rashtriya Chemicals & Fertilizers Ltd.

SAIL — Steel Authority of India Ltd.

SFC — Shriram Fertilisers & Chemicals

SPIC — Southern Petrochemical Industries Corpn. Ltd.

ZACL — Zuari Agro Chemicals Ltd.

NH<sub>3</sub> - Ammonia H<sub>3</sub>PO<sub>4</sub> = Phosphoric acid

(Continued)

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1.01 (c) CAPACITY AND PRODUCTION OF NITROGENOUS & COMPLEX FERTILISERS PLANT-WISE AND PRODUCT-WISE (Concluded)								
Name of the plant/ location	Category	Sector	Feedstock	Date of commissioning	Product	Capacity ('000 tonnes)		
						Product	Nutrient	
							N	P <sub>2</sub> O <sub>5</sub>
<b>II. UNDER IMPLEMENTATION</b>								
1. Matix Ferts. & Chems., Panagarh (W. Bengal)	Green Field	Private	CBM	2016-17	Urea	1270.5	584.0	-
2. Chambal Ferts. & Chems., Gadepan III (Rajasthan)	Brown Field	Private	N. Gas	2018-19	Urea	1340.0	616.4	-
3. Ramagundam Fertilizers and Chemicals Ltd., Ramagundam (A.P.)	Revival	Public	N. Gas	2018-19	Urea	1270.5	584.4	-
4. GSFC, Sikka (Gujarat) (Train D)	Expan- sion	Private	External NH <sub>3</sub> , External H <sub>3</sub> PO <sub>4</sub>	2017-18	DAP NPK	495.0 561.0		
<b>III. PLANNED@</b>								
Name of the company/plant	Products	Capacity ('000 tonnes)						
		Product	Nutrient					
			N	P <sub>2</sub> O <sub>5</sub>				
1. IGF, Jagdishpur (U.P.)	Urea	1270.5	584.4	-				
2. KFCL, Panki, Kapur (U.P.)	Urea	1050.0	483.0	-				
3. RCFL, Thal III	Urea	1270.5	584.4	-				
4. Revival of FCIL, Talcher (Odisha) (Consortium of RCFL/ GAIL/Coal India Ltd. & FCIL)	Urea	1270.5	584.4	-				
5. GSFC, Dahej (Gujarat)	Amm. Sulphate*	140.0 or 230.0	28.8 or 47.4	-				
		(based on selection of technology)						
6. PPL, Paradeep (Odisha)	DAP	400.0	72.0	184.0				
@ = As per the information received in FAI from the above mentioned companies.								
* = Ammonium Sulphate as co-product from Caprolactam plant.								
<b>Abbreviations:</b>								
FCIL = The Fertilizer Corporation of India Ltd.			GAIL = Gas Authority of India Ltd.					
CBM = Coal bed methene								

1.01 (d) JOINT VENTURES ABROAD							
Company	Location	Participants	Est.project cost (US \$ million)	Date of Commissioning	Product	Capacity ('000 tonnes per annum)	Buy back arrangement by India
<b>I. IN PRODUCTION</b>							
1. FOSKOR (Pty) Ltd.*, S. Africa					Phosphoric acid	750	
2. ICS, Senegal	Darou, Senegal	IFFCO, India; Govt. of India; ICS-Senegal	Original 275.21 Debottlenecking 45.66	April, 1984 Debottlenecking 1991	Phosphoric acid	660 (P <sub>2</sub> O <sub>5</sub> )	100% upto 550 thousand tonnes P <sub>2</sub> O <sub>5</sub> by IFFCO
3. ICS, Senegal (Exprn.)	Darou, Senegal	IFFCO, India; ICS-Senegal	250	Feb. 2002 re-structred in 2008 and 2014	Phosphoric acid		
4. Indo Maroc Phosphore S.A (IMACID)	Jorf Lasfer, Morocco	CFCL, India; TCL, India; OCP- Morocco	230	Oct.1999 Revamp - Sept. 2006	Phosphoric acid		
5. Oman India Fert. Co. (OMIFCO)	Sur, Muscat, Oman	KRIBHCO, India; IFFCO, India; Oman Oil Co.,Oman	892	July 2005	Urea (Gran.) Ammonia	1652 1155	100% by GOI <sup>1</sup>
6. Tunisian Indian Fertilizers (TIFERT) SA	Skhira, Tunisia	GSFC, India; CIL, India; GCT, Tunisia;	300	June 2013	Phosphoric acid	360 (P <sub>2</sub> O <sub>5</sub> )	100% by GSFC & CIL
7. Jordan India Fertilizer Co. (JIFCO)	Eshidiya, Jordan	IFFCO, India; JPMC, Jordan	851	May 2014	Phosphoric acid	475.5 (P <sub>2</sub> O <sub>5</sub> )	70-100%
<b>II. PLANNED / PROPOSED</b>							
1. JV proposed by GOI	Chabahar Iran	RCFL, India; GSFC, India; (Iranian partner yet to be indentified)	903	40 months from zero date	Urea	1270	
<sup>1</sup> = GOI also buys surplus urea, if any, from OMIFCO as per agreed price for the additional quantity of urea. * Coromandel along with CFL Mauritius Ltd. holds 14% equity of FOSKOR (Pty) Ltd., South Africa.							

1.02(a) CAPACITY AND PRODUCTION OF SINGLE SUPERPHOSPHATE - PLANT-WISE							('000 tonnes)	
Name of the plant/location	Sector	Date of commissioning	End-product		P <sub>2</sub> O <sub>5</sub>			
			Capacity (As on 1.11.2016)	Production 2015-16 (April-March)	Capacity (As on 1.11.2016)	Production 2015-16 (April-March)		
<b>IN PRODUCTION</b>								
1 . Aarti Fertilizers, Vapi, Valsad (Guj) (A division of Aarti Industries Ltd)	Pvt.	March 2003	132.0	80.3	21.1	12.8		
2 . Adheeshaa Phosphate, Umarada, Udaipur (Raj)	Pvt.	Sept. 2013	132.0	45.1	21.1	7.2		
3 . Agri Green Ferts & Chems Pvt. Ltd., Kadapa, (AP)	Pvt.	2005	30.0	8.2	4.8	1.3		
4 . Agro Phos. (India) Ltd. (a) Dewas, (MP) (b) Meghnagar, Jhabua (MP)	Pvt. Pvt.	2004 2015	45.0 115.5	29.0 37.7	7.2 18.5	4.6 6.0		
5 . The Andhra Sugars Ltd., Tanuku, W.Godavari (AP)	Pvt.	March 1961 Expn.I November 1988 Expn.II Febreuary 1989	66.0	30.9	10.6	4.9		
6 . Arawali Phosphate Ltd., Umra, Udaipur (Raj)	Pvt.	April 2000	40.0	19.0	6.4	3.0		
7 . Arihant Phosphate & Fertilizers Ltd., Nimbahera, Chittorgarh (Raj)	Pvt.		66.0	n.a.	10.6	n.a.		
8 . Arihant Ferts. & Chems. India Ltd., Kanawati, Neemuch (MP)	Pvt.		66.0	44.8	10.6	7.2		
9 . Asian Fertilizers Ltd., Vill. Deokahia, Gorakhpur (UP)	Pvt.	Trial Prodn. November 1993 Comm. Prod. April 1993	66.0	39.3	10.6	6.3		
10 . Balaji Phosphates Pvt. Ltd., Dewas (MP)	Pvt.	2014	120.0	46.1	19.2	7.4		
11 . Balaji Fertilisers Pvt. Ltd., Nanded, (Mah)	Pvt.	May 2003	20.0	n.a.	3.2	n.a.		
12 . Basant Agro Tech (India) Ltd. (a) Barshi Takli, Akola (Mah ) (b) Jawad, Neemuch (MP) (b) Jalgaon (Mah.)	Pvt.	1999	120.0 45.0 132.0	69.6 17.9 24.7	19.2 7.2 21.1	11.1 2.9 4.0		
13 . BEC Fertilizers ( Unit of Bhilai Engg. Corpn. Ltd) (a) Bilaspur , (Chhattisgarh) (b) Gunjkhedra, Wardha, (Mah.) (c) Jhagadia, Bharuch (Guj.)	Pvt.	June 1985 July 2001 2015	135.0 66.0 330.0	106.9 33.9 24.2	21.6 10.6 52.8	17.1 5.4 3.9		
14 . Bharat Agri Fert & Realty Ltd., Kharivali, Thane (Mah.) (Unit I Closed 1988)	Pvt.	January 1986 October 1990	132.0	46.1	21.1	7.4		
15 . Bhaskar Fertilisers (P) Ltd., Anantapur (AP)	Pvt.	2007	45.0	15.8	7.2	2.5		
16 . Blue Phosphate Limited, Udaipur (Raj.)	Pvt.	2015	132.0	7.0	21.1	1.1		
17 . Bohra Industries Ltd., Umra, Udaipur (Raj)	Pvt.	April 2001	200.0	52.3	32.0	8.4		
18 . Chambal Fertilisers & Chemicals Ltd., Gadepan (Raj)	Pvt.	October 2012	180.0	165.3	28.8	26.5		
19 . Chemtech Fertilizers Ltd., Kazipalli, Medak (Telangana)	Pvt.	2001	33.0	10.4	5.3	1.7		

(Continued)

1.02(a) CAPACITY AND PRODUCTION OF SINGLE SUPERPHOSPHATE - PLANT-WISE (Continued)							( <sup>000</sup> tonnes)
Name of the plant/location	Sector	Date of commissioning	End-product		P <sub>2</sub> O <sub>5</sub>		
			Capacity (As on 1.11.2016)	Production 2015-16 (April-March)	Capacity (As on 1.11.2016)	Production 2015-16 (April-March)	
20 . Coimbatore Pioneer Fertilizers Ltd., Muthugoundanpudur Post, Via Sular Coimbatore (TN)	Pvt.	Feb. 1966	66.0	30.7	10.6	4.9	
21 . Coromandel International Ltd., Ranipet, N. Arcot (TN) (Formerly EID Parry)	Pvt.	1906 Exp. 1994	132.0	91.3	21.1	14.6	
22 . Coromandel International Ltd., Munirabad, Koppal (Kar) (Formerly: Tungabhadra Fertilizers & Chemicals Co. Ltd.)	Pvt.	1995	45.0	32.3	7.2	5.2	
23 . Coromandel International Ltd. (Formerly Liberty Phosphate Ltd.)	Pvt.	Feb. 1977					
(a) Madri, Udaipur (Raj.)		Expn. I Oct. 1978 Expn. II Oct. 1982 Expn. III Aug. 1995	264.0	151.0	42.2	24.2	
(b) Nandesari, Vadodara (Guj.)			198.0	88.1	31.7	14.1	
(c) Jagpura, Kota (Raj.)			198.0	66.9	31.7	10.7	
(d) Pali, Raigad (Mah.)			66.0	30.1	10.6	4.8	
(e) Raebareli (UP)		2013	132.0	25.2	21.1	4.0	
(f) Nimrani, Khargone (MP) (Formerly Liberty Urvarak Ltd.)			100.0	95.4	16.0	15.3	
24 . Datta Agro Services Pvt. Ltd., Bhokari, Jalgaon (Mah)	Pvt.	Sept. 2011	132.0	42.2	21.1	6.8	
25 . Devyani Phosphate Pvt. Ltd., Udaipur, (Raj)	Pvt.	July 2009	60.0	n.a.	9.6	n.a.	
26 . Dharamsi Morarji Chemical Co.Ltd., Khemli, Udaipur (Raj)	Pvt.	October 1953	66.0	n.a.	10.6	n.a.	
27 . GDS Chemicals & Fert Pvt Ltd., Anakapalli, Visakhapatnam (AP)	Pvt.	Nov. 2000	36.0	22.5	5.8	3.6	
28 . Gayatri Spinners Ltd., Hamirgarh, Bhilwara (Raj)	Pvt.	June 1997	30.0	12.3	4.8	2.0	
29 . Gemini Fertilizers, Nungambakkam, Ennore,	Pvt.	2015	66.0	21.1	10.6	3.4	
30 . Greenstar Fertilizers Ltd., Guindy, Tuticorin (TN)	Pvt.	2013	115.0	39.8	18.4	6.4	
31 . Indian Phosphate Ltd, Umrada, Udaipur, (Raj)	Pvt.	Nov. 2005	130.0	44.2	20.8	7.1	
32 . Indra Industries Ltd., Sandla, Dhar (MP) (Formerly Swastik Ferts & Chems Ltd.)	Pvt.	July 1990	66.0	31.4	10.6	5.0	
33 . The Jay Shree Chemicals & Fertilisers, Khardah, 24 Parganas (WB)	Pvt.	December 196 I Expn.March 1973 II Expn.August 1984 November 1984	132.0	70.8	21.1	11.3	
34 . Jagdamba Phosphate, Kota (Raj)	Pvt.	May 2013	132.0	35.4	21.1	5.7	
35 . Jubilant Agri and Consumer Products Ltd., Bhartiagram, Gajraula (UP) (Formerly Vam Organic Chemicals Ltd.)	Pvt.	June 1986 Expn. Nov. 1996	165.0	100.2	26.4	16.0	

(Continued)

1.02(a) CAPACITY AND PRODUCTION OF SINGLE SUPERPHOSPHATE - PLANT-WISE (Continued)						
('000 tonnes)						
Name of the plant/location	Sector	Date of commissioning	End-product		P <sub>2</sub> O <sub>5</sub>	
			Capacity (As on 1.11.2016)	Production 2015-16 (April-March)	Capacity (As on 1.11.2016)	Production 2015-16 (April-March)
36 . Jubilant Agri and Consumer Products Ltd., Singhpur, Kapasan, Chittorgarh (Raj)	Pvt.		264.0	1.2	42.2	0.2
37 . K.P.R. Fertilizers Ltd.						
(a) Biccavolu, E. Godavari (AP)	Pvt.	July 2007	90.0	38.5	14.4	6.2
(b) Halvarthi, Koppal (Karnataka)	Pvt.	Sept. 2010	60.0	nil	9.6	nil
38 . KMN Chemicals & Fertilizers Ltd., Diwanganj, Raisen (MP)	Pvt.		60.0	n.a.	9.6	n.a.
39 . Kasturchand Fertilizers, Wadsa, Gadichiroli (Mah) (Erstwhile Jairam Phosphates Ltd.)	Pvt.	January 2000	66.0	10.07	10.6	1.6
40 . Kisan Phosphates Pvt. Ltd., Gawar, Hisar (Har)	Pvt.	2014	132.0	46.2	21.1	7.4
41 . Khaitan Chemicals & Fertilizers Ltd.,						
(a) Goramachhia, Jhansi (UP)	Pvt.	October 1986	132.0	45.6	21.1	7.3
(b) Malwan, Fatehpur (UP)	Pvt.	Dec. 1988	115.0	2.9	18.4	0.5
(c) Dahej, Bharuch (Guj)	Pvt.	2014	181.5	37.1	29.0	5.9
(d) Rajnandgaon, Chhattisgarh	Pvt.		66.0	30.2	10.6	4.8
(e) Nimrani, Khargone (MP)	Pvt.	May 1987	400.0	136.6	64.0	21.9
(f) Nimbahera, Chittorgarh (Raj)	Pvt.		198.0	85.0	31.7	13.6
42 . Krishna Industrial Corporation Ltd., Nidadavole, West Godavari (AP)	Pvt.	April 1964	45.0	9.1	7.2	1.5
43 . Krishna Phoschem Ltd., Meghnagar, Jhabua (MP)	Pvt.	October 2012	120.0	81.7	19.2	13.1
44 . Madhya Bharat Agro Products Ltd., Rajoa, Sagar (MP)	Pvt.		60.0	53.8	9.6	8.6
45 . Madhya Bharat Phosphate Pvt. Ltd., Unit I, Diwanganj, Sanchi, Raisen (MP)	Pvt.		132.0	36.0	21.1	5.8
46 . Madhya Bharat Phosphate Pvt. Ltd., Unit II, Meghnagar, Jhabua (MP)	Pvt.		165.0	48.8	26.4	7.8
47 . Madan Madhav Fertilizers & Chems Pvt. Ltd., Fetejgarh (UP)	Pvt.		24.0	14.4	3.8	2.3
48 . Mahadhan Phosphate Pvt. Ltd., Navalakha, Indore (MP)	Pvt.	2013	60.0	32.5	9.6	5.2
49 . Mangalam Phosphates Ltd., Hamirgarh, Bhilwara (Raj)	Pvt.		72.0	38.4	11.5	6.1
50 . Mexican Agro Chemicals Ltd., Jaggakhedi, Mandsaur (MP), (Formerly Asha Phosphates Ltd.)	Pvt.	January 1999	60.0	n.a.	9.6	n.a.
51 . Narmada Agro Chemicals Pvt. Ltd., Mangrol, Junagadh (Guj)	Pvt.		15.0	1.3	2.4	0.2
52 . Narmada Bio-chem Pvt. Ltd., Kalyangadh, Ahmedabad (Guj)	Pvt.	Nov. 2011	132.0	45.5	21.1	7.3
53 . Natraj Organics Ltd., Muzaffarnagar (UP)	Pvt.		60.0	n.a.	9.6	n.a.
54 . NG Fertilizers & Chemicals Pvt. Ltd., Kodurupadu Village, Krishna Dist (AP)	Pvt.	March 2014	200.0	40.7	32.0	6.5
55 . Nirma Ltd., Moraiya, Ahmedabad (Guj)	Pvt.	1995	100.0	47.7	16.0	7.6

(Continued)

1.02(a) CAPACITY AND PRODUCTION OF SINGLE SUPERPHOSPHATE - PLANT-WISE (Continued)							(000 tonnes)
Name of the plant/location	Sector	Date of commissioning	End-product		P <sub>2</sub> O <sub>5</sub>		
			Capacity (As on 1.11.2016)	Production 2015-16 (April-March)	Capacity (As on 1.11.2016)	Production 2015-16 (April-March)	
56 . Nitin Chemicals & Fertilizers Ltd., Rukri, Ambala, (Har)	Pvt.	April 2010	20.0	nil	3.2	nil	
57 . Ostwal Phoschem (India) Ltd., Hamirgarh, Bhilwara (Raj) (Formerly TEDCO Granite)	Pvt.	March 1996	132.0	83.5	21.1	13.4	
58 . The Phosphate Company Ltd., Rishra, Hoogly (WB)	Pvt.	1950 Expn.I Dec.1967 Expn.II June 1973	112.8	60.2	18.0	9.6	
59 . Patel Phoschem (P) Ltd., Umarda, Udaipur (Raj)	Pvt.	Sept., 2012	100.0	58.2	16.0	9.3	
60 . Prathyusha Chems and Fertilisers Ltd., Parwada, Visakhapatnam (AP)	Pvt.	August 2000	100.0	31.0	16.0	5.0	
61 . Prem Sakhi Ferts. Ltd., Lakadwas, Udaipur (Raj)	Pvt.		66.0	33.2	10.6	5.3	
62 . Progressive Fertichem Pvt. Ltd., Topatoli, Kamrup (Assam)	Pvt.	March 2010	45.0	37.3	7.2	6.0	
63 . Rajlaxmi Agrotech India Pvt. Ltd., Gundewadi, Jalna (Mah)	Pvt.	June 1996	60.0	34.9	9.6	5.6	
64 . R. C. Fertilisers Ltd. (a) Lakhmapur, Nasik (Mah) (b) Gudli, Udaipur (Raj.)	Pvt. Pvt.	2014	132.0 60.0	55.4 29.0	21.1 9.6	8.9 4.6	
65 . Rama Krishi Rasayan, Loni Kalbhori, Pune (Mah) (A division of Rama Phosphates Ltd.)	Pvt.	Mundhawa 1967 shifted site and recommissioned in June 1967, Expn.April 1986	132.0	110.3	21.1	17.6	
66 . RM Phosphate and Chems Pvt Ltd., Nardala, Dhule (Mah)	Pvt.	2013	264.0	63.5	42.2	10.2	
67 . Rama Phosphates Ltd., Indore (MP)	Pvt.	August 1987 Expn. Aug.1994	165.0	105.7	26.4	16.9	
68 . Rama Phosphates Ltd., Umra, Udaipur (Raj)	Pvt.	October 1996	181.0	124.8	29.0	20.0	
69 . Sadhana Phosphates & Chems Ltd., Gudli, Udaipur (Raj)	Pvt.	April 1998 Expan. Oct.1999	120.0	40.2	19.2	6.4	
70 . Sai Fertilizers Pvt. Ltd., Dewanmara, W. Midnapur (WB)	Pvt.		132.0	73.6	21.1	11.8	
71 . Shiva Global Agro Industries Ltd., Nanded (Mah) (Formerly Shiva Fertilizers Ltd.)	Pvt.	April 1994	120.0	79.4	19.2	12.7	
72 . Shri Bhavani Mishra Fertilizers Pvt. Ltd., Vazirabad, Nanded (Mah)	Pvt.		30.0	n.a.	4.8	n.a.	
73 . Shri Ganapati Fertilizers Ltd., Kapasan, Chittorgarh (Raj)	Pvt.	April 2000	99.0	32.1	15.8	5.1	
74 . Shri Gajraj Fertilizers Pvt. Ltd., Bhoyar, Yavatmal (Mah)	Pvt.		28.0	n.a.	4.5	n.a.	
75 . Shree Pushkar Chems & Fertiliser Ltd., Lote Porshuram, Tal. Khed, Ratnagiri (Mah)	Pvt.	July 2011	100.0	49.5	16.0	7.9	

(Continued)

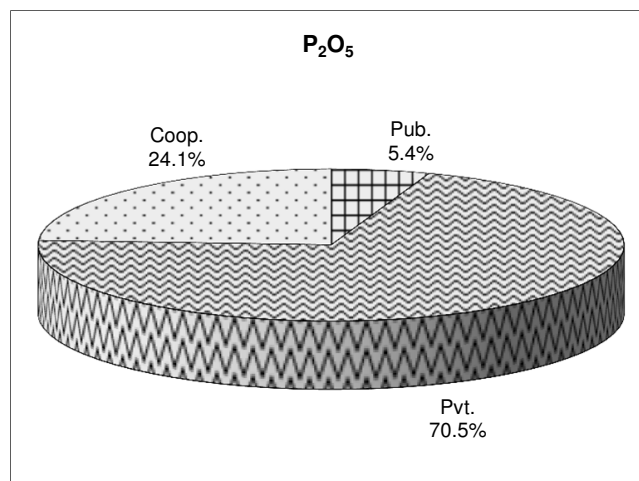
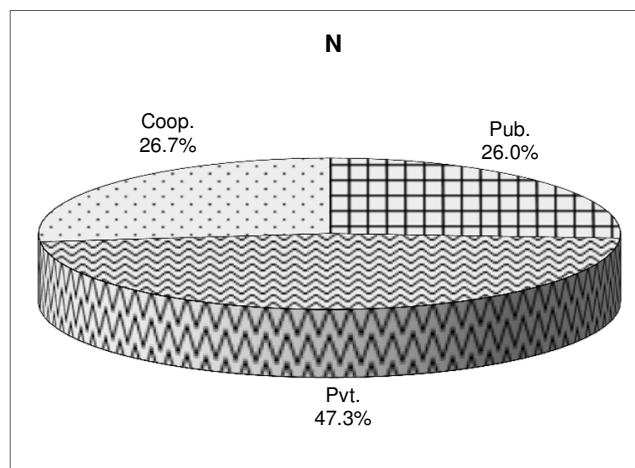
1.02(a) CAPACITY AND PRODUCTION OF SINGLE SUPERPHOSPHATE - PLANT-WISE (Concluded)						
('000 tonnes)						
Name of the plant/location	Sector	Date of commissioning	End-product		P <sub>2</sub> O <sub>5</sub>	
			Capacity (As on 1.11.2016)	Production 2015-16 (April-March)	Capacity (As on 1.11.2016)	Production 2015-16 (April-March)
76 . Shree Datta Ferts & Chemicals Pvt Ltd., Amravati (Mah)	Pvt.		60.0	n.a.	9.6	n.a.
77 . Shrikrishna Fertilizers Ltd., Muzaffarpur (Bihar)	Pvt.		30.0	0.7	4.8	0.1
78 . Sona Phosphates Ltd., Sarigam, Valsad (Guj)	Pvt.	Nov. 1999	15.0	n.a.	2.4	n.a.
79 . Suman Phosphates and Chemicals Ltd., Indore (MP)	Pvt.	Dec. 2009	330.0	n.a.	52.8	n.a.
80 . Shurvi Colour Chem Ltd., Madri, Udaipur (Raj)	Pvt.	Nov. 1987	12.0	7.0	1.9	1.1
81 . Subhodaya Chemicals Ltd. Gauripatnam, W. Godavari (AP)	Pvt.	April 1997	42.9	23.2	6.9	3.7
82 . T. J. Agro Fertilizers Pvt. Ltd., Navsari (Guj)	Pvt.	October 2003	33.0	19.9	5.3	3.2
83 . Tata Chemicals Ltd., Haldia, Midnapur (WB) (Phosphatic Divn.)	Pvt.	January 1999	160.0	159.0	25.6	25.4
84 . Teesta Agro Industries Ltd., Rajganj, Jalpaiguri (WB)	Pvt.	Dec. 1991	165.0	64.1	26.4	10.2
85 . Varun Fertilizers Pvt Ltd., Dewas (MP)	Pvt.	2013	100.0	32.2	16.0	5.2
86 . Vinayaka Agro Fertilizers India (P) Ltd., Survepalli Bit II (v), Venkatachalam (M), S.P.S.R. Nellore Dist. (AP)	Pvt.	2016	132.0	3.6	21.1	0.6
87 . V.K. Phosphates Ltd., Bartara, Shahjahanpur (UP)	Pvt.		15.0	0.6	2.4	0.1
88 . Zuari Fertilizers and Chemicals Ltd., Mahad, Dist. Raigad (Mah)	Pvt.	2015	216.0	49.1	34.6	7.9
<b>Total (105 Plants)*</b>			<b>11,298.7</b>	<b>4,329.6</b>	<b>1,807.8</b>	<b>692.7</b>
* = Includes companies having more than one plant.			n.a = not available			
<b>Source:</b> 1. Projects & Development India Limited. (PDIL) 2. Production: Respective SSP companies. 3. Department of Fertilizers, Ministry of Chemicals and Fertilizers.						



1.02 (b) STATEWISE NUMBER AND CAPACITY OF SSP PLANTS IN PRODUCTION WITH SHARE TO TOTAL P <sub>2</sub> O <sub>5</sub> CAPACITY (As on November 1, 2016)					
Zone/State	Total SSP Plants			Total P <sub>2</sub> O <sub>5</sub> Capacity through SSP/NP/NPKs	Percent share of P <sub>2</sub> O <sub>5</sub> Capacity through SSP to total P <sub>2</sub> O <sub>5</sub> capacity
	No. of plants	SSP Capacity	Equivalent P <sub>2</sub> O <sub>5</sub> Capacity (approx.)		
<b>East</b>	<b>7</b>	<b>776.8</b>	<b>124.3</b>	<b>1,635.7</b>	<b>7.6</b>
Assam	1	45.0	7.2	7.2	100.0
Bihar	1	30.0	4.8	4.8	100.0
Odisha	-	-	-	1,207.8	-
West Bengal	5	701.8	112.3	415.9	27.0
<b>North</b>	<b>10</b>	<b>861.0</b>	<b>137.8</b>	<b>137.8</b>	<b>100.0</b>
Haryana	2	152.0	24.3	24.3	100.0
Uttar Pradesh	8	709.0	113.4	113.4	100.0
<b>South</b>	<b>17</b>	<b>1,303.9</b>	<b>208.6</b>	<b>2,055.8</b>	<b>10.1</b>
Andhra Pradesh	10	786.9	125.9	1,323.4	9.5
Telangana	1	33.0	5.3	5.3	100.0
Karnataka	2	105.0	16.8	126.0	13.3
Kerala	-	-	-	126.7	-
Tamil Nadu	4	379.0	60.6	474.4	12.8
<b>West</b>	<b>71</b>	<b>8,357.0</b>	<b>1,337.1</b>	<b>3,288.6</b>	<b>40.7</b>
Gujarat	9	1,136.5	181.8	1,676.5	10.8
Madhya Pradesh	18	2,209.5	353.5	353.5	100.0
Chhattisgarh	2	201.0	32.2	32.2	100.0
Maharashtra	18	1,876.0	300.2	495.0	60.6
Rajasthan	24	2,934.0	469.4	469.4	100.0
Goa	-	-	-	262.0	-
<b>All India</b>	<b>105</b>	<b>11,298.7</b>	<b>1,807.8</b>	<b>7,117.9</b>	<b>25.4</b>

Note = Totals may not exactly tally due to rounding off.

**Fig. 1: SECTOR-WISE SHARE OF CAPACITY OF N AND P<sub>2</sub>O<sub>5</sub>**  
(As on November 1, 2016)

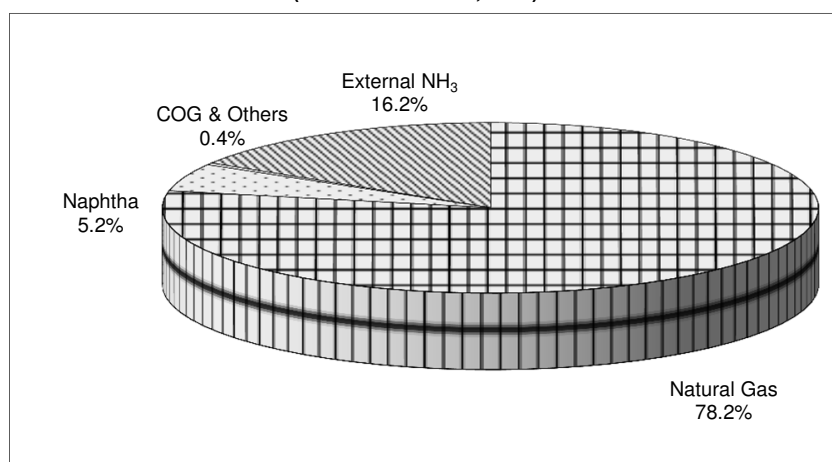


**1.03 (a) CAPACITY OF NITROGEN (N) - FEEDSTOCK-WISE**  
(As on November 1, 2016)

Category	Natural gas	Naphtha	('000 tonnes of nutrient N per annum)		
			Coke/ Coke/ oven gas & others*	Ammonia (External supply)	Total
Plants in operation	10,637.1 (78.2)	714.1 (5.2)	51.2 (0.4)	2,203.5 (16.2)	13,605.9 (100.0)

Note: Figures in brackets indicate the percentage contribution through a fertiliser feedstock to the total (horizontal).  
\* = Caprolactum based.

**Fig. 2: FEEDSTOCK-WISE SHARE OF CAPACITY - N**  
(As on November 1, 2016)



**1.03 (b) CAPACITY OF UREA - FEEDSTOCK-WISE**  
(As on November 1, 2016)

Category	('000 tonnes)			
	N. Gas	Naphtha	F.Oil	Total
Plants in operation	22011.9 (93.7)	1486.3 (6.3)	-	23498.2 (100.0)

Note: Figures in brackets indicate the percentage contribution through a fertiliser feedstock to the total (horizontal).

1.04 CAPACITY OF FERTILISERS - STATE-WISE AND PRODUCT-WISE												
(As on November 1, 2016)												
('000 tonnes)												
Zone/State	AS	CAN	Urea	ACI	Complex fertilisers					SSP	Total	
					DAP	APS	Nitro Phosphate	NP/NPKs	complex fert. (other than DAP)		N	P <sub>2</sub> O <sub>5</sub>
<b>East Zone</b>	<b>101.5</b>	<b>-</b>	<b>510.0</b>	<b>-</b>	<b>2,760.0</b>	<b>920.0</b>	<b>-</b>	<b>100.0</b>	<b>1,020.0</b>	<b>776.8</b>	<b>918.5</b>	<b>1,635.7</b>
Assam	-	-	510.0	-	-	-	-	-	-	45.0	234.6	7.2
Bihar	-	-	-	-	-	-	-	-	-	30.0	-	4.8
Jharkhand	36.3	-	-	-	-	-	-	-	-	-	7.5	-
Odisha	28.2	-	-	-	2,100.0	920.0	-	100.0	1,020.0	-	550.0	1,207.8
West Bengal	37.0	-	-	-	660.0	-	-	-	-	701.8	126.4	415.9
<b>North Zone</b>	<b>-</b>	<b>-</b>	<b>9,047.0</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>861.0</b>	<b>4,160.9</b>	<b>137.7</b>
Haryana	-	-	511.5	-	-	-	-	-	-	152.0	235.0	24.3
Punjab	-	-	990.0	-	-	-	-	-	-	-	455.1	-
Uttar Pradesh	-	-	7,545.5	-	-	-	-	-	-	709.0	3,470.8	113.4
<b>South Zone</b>	<b>273.0</b>	<b>-</b>	<b>3,006.3</b>	<b>105.0</b>	<b>2,492.0</b>	<b>1,232.6</b>	<b>-</b>	<b>2,140.0</b>	<b>3,372.6</b>	<b>1,303.9</b>	<b>2,492.2</b>	<b>2,055.8</b>
Andhra Pradesh	48.0	-	1,520.0	-	1,925.0	-	-	1,300.0	1,300.0	786.9	1,367.6	1,323.4
Telangana	-	-	-	-	-	-	-	-	-	33.0	-	5.3
Karnataka	-	-	379.5	-	220.0	40.0	-	-	40.0	105.0	222.2	126.0
Kerala	225.0	-	-	-	-	633.5	-	-	633.5	-	173.1	126.7
Tamil Nadu	-	-	1,106.8	105.0	347.0	559.1	-	840.0	1,399.1	379.0	729.3	474.4
<b>West Zone</b>	<b>295.6</b>	<b>-</b>	<b>10,934.9</b>	<b>-</b>	<b>2,694.0</b>	<b>200.0</b>	<b>1,156.5</b>	<b>1,615.4</b>	<b>2,971.9</b>	<b>8,357.0</b>	<b>6,034.3</b>	<b>3,288.7</b>
Gujarat	240.6	-	3,747.0	-	2,322.0	200.0	142.5	1,215.4	1,557.9	1,136.5	2,395.2	1,676.5
Madhya Pradesh	-	-	2,066.1	-	-	-	-	-	-	2,209.5	950.4	353.5
Chhattisgarh	55.0	-	-	-	-	-	-	-	-	201.0	11.3	32.2
Maharashtra	-	-	2,330.0	-	-	-	1,014.0	-	1,014.0	1,876.0	1,266.8	495.0
Rajasthan	-	-	2,392.5	-	-	-	-	-	-	2,934.0	1,100.6	469.4
Goa	-	-	399.3	-	372.0	-	-	400.0	400.0	-	310.0	262.0
<b>All India</b>	<b>670.1</b>	<b>-</b>	<b>23,498.2</b>	<b>105.0</b>	<b>7,946.0</b>	<b>2,352.6</b>	<b>1,156.5</b>	<b>3,855.4</b>	<b>7,364.5</b>	<b>11,298.7</b>	<b>13,605.9</b>	<b>7,117.9</b>
Share to Capacity (%)												
<b>N</b>	<b>1.0</b>	<b>-</b>	<b>79.4</b>	<b>0.2</b>	<b>10.5</b>	<b>3.5</b>	<b>1.7</b>	<b>3.7</b>	<b>8.8</b>	<b>-</b>	<b>100.0</b>	
<b>P<sub>2</sub>O<sub>5</sub></b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>51.4</b>	<b>6.6</b>	<b>3.2</b>	<b>13.4</b>	<b>23.3</b>	<b>25.4</b>		<b>100.0</b>

1.05 CAPACITY AND ESTIMATED INVESTMENT IN THE FERTILISER INDUSTRY						
Year/Period	Capacity during the period* (‘000 tonnes)		Estimated investment during the period (Rs. crore)			
			Sector			
	N	P <sub>2</sub> O <sub>5</sub>	Public	Coop.	Private	Total
<b>I. In Production</b>						
Before 1947	5	63	0.8	—	2.5	3.3
	(5)	(63)	(0.8)	(—)	(2.5)	(3.3)
At the end of 1947	5	5	5.5	—	0.4	5.9
	(10)	(68)	(6.3)	(—)	(2.9)	(9.2)
At the end of 1950	—	34	0.4	—	1.2	1.6
	(10)	(102)	(6.7)	(—)	(4.1)	(10.8)
1951-56 (I Plan)	90	4	53.7	—	0.4	54.1
	(100)	(106)	(60.4)	(—)	(4.5)	(64.9)
1956-61 (II Plan)	21	22	4.5	—	5.3	9.8
	(121)	(128)	(64.9)	(—)	(9.8)	(74.7)
1961-66 (III Plan)	349	146	113.8	—	8.2	122.0
	(470)	(274)	(178.7)	(—)	(18.0)	(196.7)
1966-69 (Annual Plans)	385	160	94.5	—	119.3	213.8
	(855)	(434)	(273.2)	(—)	(137.3)	(410.5)
1969-74 (IV Plan)	1,092	147	193.1	—	179.5	372.6
	(1,947)	(581)	(466.3)	(—)	(316.8)	(783.1)
1974-79 (V Plan)	1,327	536	639.2	95.5	237.0	971.7
	(3,274)	(1,117)	(1,105.5)	(95.5)	(553.8)	(1,754.8)
1979-80	628	167	735.7	-	3.5	739.2
	(3,902)	(1,284)	(1,841.2)	(95.5)	(557.3)	(2,494.0)
1980-85 (VI Plan)	1,339	438	708.8	233.8	670.8	1,613.4
	(5,241)	(1,722)	(2,550.0)	(329.3)	(1,228.1)	(4,107.4)
1985-86	683	52	957.0	-	34.4	991.4
(as on 1.10.85)	(5,924)	(1,774)	(3,507.0)	(329.3)	(1,262.5)	(5,098.8)
1986-87	838	544	450.0	890.0	120.0	1,460.0
(as on 1.10.86)	(6,762)	(2,318)	(3,957.0)	(1,219.3)	(1,382.5)	(6,558.8)
1987-88	322	153	283.3	-	139.6	422.9
(as on 1.10.87)	(7,084)	(2,471)	(4,240.3)	(1,219.3)	(1,522.1)	(6,981.7)
1988-89	1,075	198	587.1	651.6	992.5	2,231.2
(as on 1.10.88)	(8,159)	(2,669)	(4,827.4)	(1,870.9)	(2,514.6)	(9,212.9)
1989-90 (VII Plan end)	-12	47	28.4	-	9.6	38.0
(as on 1.10.89)	(8,147)	(2,716)	(4,855.8)	(1,870.9)	(2,524.2)	(9,250.9)
1990-91	—	35	-	-	27.0	27.0
(as on 1.10.90)	(8,147)	(2,751)	(4,855.8)	(1,870.9)	(2,551.2)	(9,277.9)
1991-92	64	20	315.0	-	247.5	562.5
(as on 1.10.91)	(8,211)	(2,771)	(5,170.8)	(1,870.9)	(2,798.7)	(9,840.4)
1992-93	299	43	-	-	1,440.0	1,440.0
(as on 1.10.92)	(8,510)	(2,814)	(5,170.8)	(1,870.9)	(4,238.7)	(11,280.4)
1993-94	-	10	-	-	15.0	15.0
(as on 1.10.93)	(8,510)	(2,824)	(5,170.8)	(1,870.9)	(4,253.7)	(11,295.4)
1994-95	334	10	-	-	1,208.5	1,208.5
(as on 1.10.94)	(8,844)	(2,834)	(5,170.8)	(1,870.9)	(5,462.2)	(12,503.9)

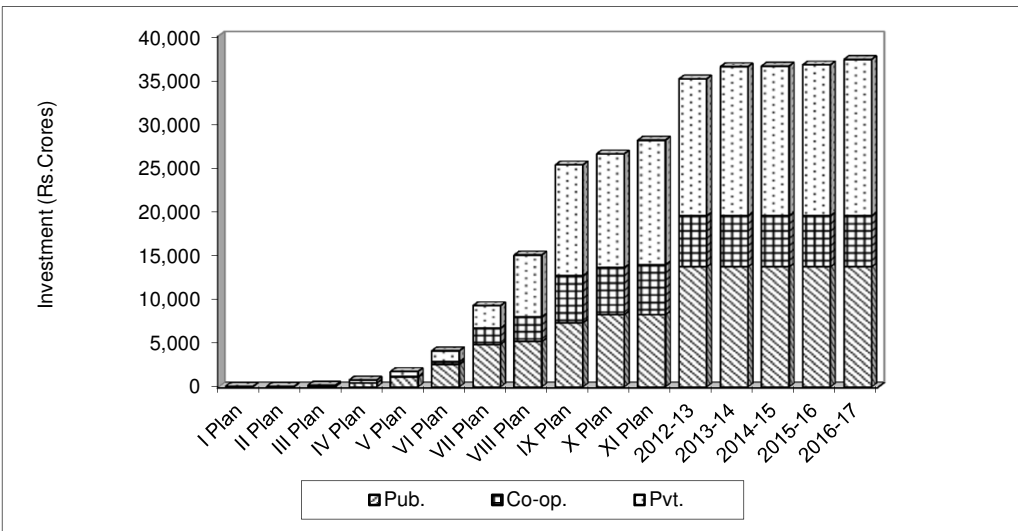
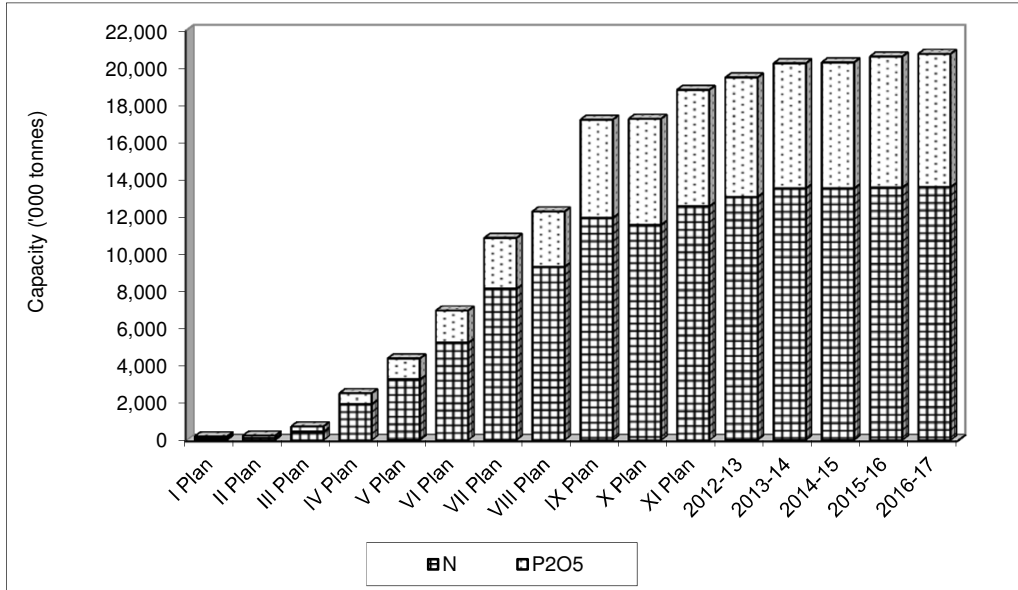
(Continued)

1.05 CAPACITY AND ESTIMATED INVESTMENT IN THE FERTILISER INDUSTRY (Concluded)						
Year/Period	Capacity during the period*		Estimated investment during the period (Rs. crore)			
	('000 tonnes)		Sector			
	N	P <sub>2</sub> O <sub>5</sub>	Public	Coop.	Private	Total
1995-96	154	90	-	-	1,565.0	1,565.0
(as on 1.10.95)	(8,998)	(2,924)	(5,170.8)	(1,870.9)	(7,027.2)	(14,068.9)
1996-97 (VIII Plan end)	334	24	-	954.7	-	954.7
(as on 1.10.96)	(9,332)	(2,948)	(5,170.8)	(2,825.6)	(7,027.2)	(15,023.6)
1997-98	655	217	1,483.7	1,339.7	158.9	2,982.3
(as on 1.10.97)	(9,987)	(3,165)	(6,654.5)	(4,165.3)	(7,186.1)	(18,005.9)
1998-99	584	41	667.0	993.0	2,054.0	3,714.0
(As on 1.10.98)	(10,571)	(3,206)	(7,321.5)	(5,158.3)	(9,240.1)	(21,719.9)
1999-2000	497	542	-	205.3	1,377.3	1,582.6
(As on 1.10.99)	(11,068)	(3,748)	(7,321.5)	(5,363.6)	(10,617.4)	(23,302.5)
2000-01	920	1,240	-	-	1,955.4	1,955.4
(As on 1.10.2000)	(11,988)	(4,988)	(7,321.5)	(5,363.6)	(12,572.8)	(25,257.9)
2001-02 (IX Plan end)	-35	261	-	-	40.0	40.0
(As on 1.10.2001)	(11,953)	(5,249)	(7,321.5)	(5,363.6)	(12,612.8)	(25,297.9)
2002-03	-269	166	-	-	279.1	279.1
(As on 1.10.2002)	(11,684)	(5,415)	(7,321.5)	(5,363.6)	(12,891.9)	(25,577.0)
2003-04	-120	-27	-	-	1.0	1.0
(As on 1.10.2003)	(11,564)	(5,388)	(7,321.5)	(5,363.6)	(12,892.9)	(25,578.0)
2004-05	41	39	397.4	-	10.0	407.4
(As on 1.11.2004)	(11,605)	(5,427)	(7,718.9)	(5,363.6)	(12,902.9)	(25,985.4)
2005-06	30	1	523.6	-	3.0	526.6
(As on 1.11.2005)	(11,635)	(5,428)	(8,242.5)	(5,363.6)	(12,905.9)	(26,512.0)
2006-07 (X Plan end)	-58	243	-	-	35.0	35.0
(As on 1.11.2006)	(11,577)	(5,671)	(8,242.5)	(5,363.6)	(12,940.9)	(26,547.0)
2007-08	30	204	-	-	15.0	15.0
(As on 1.11.2007)	(11,607)	(5,875)	(8,242.5)	(5,363.6)	(12,955.9)	(26,562.0)
2008-09	291	-20	-	334.7	260.0	594.7
(As on 1.11.2008)	(11,898)	(5,855)	(8,242.5)	(5,698.3)	(13,215.9)	(27,156.7)
2009-10	670	347	-	-	916.9	916.9
(As on 1.11.2009)	(12,568)	(6,202)	(8,242.5)	(5,698.3)	(14,132.8)	(28,073.6)
2010-11	-	-4	-	-	35.0	35.0
(As on 1.11.2010)	(12,568)	(6,198)	(8,242.5)	(5,698.3)	(14,167.8)	(28,108.6)
2011-12 (XI Plan end)	5	23	-	-	-	-
(As on 1.11.2011)	(12,573)	(6,221)	(8,242.5)	(5,698.3)	(14,167.8)	(28,108.6)
2012-13	506	150	5,454.8	130.0	1,397.0	6,981.8
(As on 1.11.2012)	(13,079)	(6,374)	(13,697.3)	(5,828.3)	(15,564.8)	(35,090.4)
2013-14	454	306	-	-	1,383.5	1,383.5
(As on 1.11.2013)	(13,533)	(6,680)	(13,697.3)	(5,828.3)	(16,948.3)	(36,473.9)
2014-15	-	53	-	-	73.5	73.5
(As on 1.11.2014)	(13,533)	(6,733)	(13,697.3)	(5,828.3)	(17,021.8)	(36,547.4)
2015-16	45	272	-	-	140.0	140.0
(As on 1.11.2015)	(13,578)	(7,005)	(13,697.3)	(5,828.3)	(17,161.8)	(36,687.4)
2016-17	28	113	-	-	618.0	618.0
(As on 1.11.2016)	(13,606)	(7,118)	(13,697.3)	(5,828.3)	(17,779.8)	(37,305.4)

\* = For details on capacity, see Table 1.01(a).      + = Includes cost of replacement of existing ammonia plants.

Note: 1. Calendar year can be taken as to broadly conform to the financial year, say 1951=1951-52 and so on.  
2. Investment figures shown above are the estimated project costs of new plants and expansion/ debottlenecking/ modernisation etc.  
3. Figures in brackets represent cumulative totals.

**Fig. 3: CAPACITY AND INVESTMENT IN THE FERTILISER INDUSTRY**



Note: Capacity and investment at the end of each Plan Period.

1.06 CAPACITY OF PHOSPHATE (P <sub>2</sub> O <sub>5</sub> ) ACCORDING TO RAW MATERIALS (As on November 1, 2016)					
('000 tonnes of P <sub>2</sub> O <sub>5</sub> per annum)					
Category/ type of fertilisers	Raw Materials				
	Sulphuric acid*	Smelter gases	Nitric acid	Phosphoric acid (External supply)	Total
<b>Factories in production</b>					
1. SSP	1807.8	--	--	--	1807.8
2. NP/NPK fertilisers	1859.0	184.0	169.3	3097.8	5310.1
			52.8 @		52.8 @
<b>I. Total</b>	<b>3666.8</b>	<b>184.0</b>	<b>169.3</b>	<b>3097.8</b>	<b>7117.9</b>
	<b>(51.5)</b>	<b>(2.6)</b>	<b>(2.4)</b>	<b>(43.5)</b>	<b>(100.0)</b>

\* = Captive + purchased sulphuric acid.  
 @ = Also use phosphoric acid as a source of P<sub>2</sub>O<sub>5</sub>. Hence, included in column of phosphoric acid (external supply).  
 Note :  
 1. Rock phosphate is the basic raw material which is processed with Sulphuric acid to release P<sub>2</sub>O<sub>5</sub> in the desired concentration. 'Factories based on imported phosphoric acid do not require either rock or sulphur as such to manufacture phosphatic fertilisers.  
 2. Figures in brackets indicate the percentage contribution through a fertiliser feedstock to the total (horizontal).



1.07 CAPACITY OF FERTILISERS - PRODUCT-WISE AND NUTRIENT-WISE 1950 to 2016									
('000 tonnes)									
Sl. No.	Capacity as on	Nitrogenous fertilisers					NP/NPK Fertilisers		
		AS 20.6% N	ASN 26% N	Urea 46% N	ACI 25% N	CAN 25% N 20.5% <sup>1</sup> N	Nitro phos- phate 20-20-0	@ 18-46-0	16-20-0 20-20-0 <sup>2</sup>
1.	December 31, 1950	81.0	-	-	-	-	-	-	-
2.	December 31, 1960	491.9	148.0	24.0	48.8	-	-	-	16.5
3.	September 30, 1970	1,031.1	121.9	1,581.3	65.6	800.0	180.0	108.0	232.5
4.	November 1, 1975	955.8	50.0	4,086.4	64.8	800.0	180.0	108.0	51.5
5.	September 1, 1980	969.0	-	7,525.0	84.8	800.0	555.0	108.0	51.5 181.2 <sup>2</sup>
6.	October 1, 1990	1,063.5	-	14,695.0	156.8	800.0	360.0a	2,653.0	51.5 148.5 <sup>2</sup>
7.	October 1, 1991	1,086.0	-	14,695.0	132.0	942.5	360.0a 142.5c	2,653.0	72.2 148.5 <sup>2</sup>
8.	October 1, 1992	1,086.0	-	15,190.0	132.0	942.5	360.0a 395.0c	2,653.0	95.0 148.5 <sup>2</sup>
9.	October 1, 1993	1,086.0	-	15,190.0	132.0	942.5	360.0a 372.0c	2,653.0	95.0 633.2 <sup>2</sup>
10.	October 1, 1994	1,090.6	-	15,921.0	132.0	942.5	360.0a 372.0c	2,653.0	95.0 633.2 <sup>2</sup>
11.	October 1, 1995	886.5	-	16,341.0	132.0	942.5	360.0a 372.0c	2,653.0	95.0 633.2 <sup>2</sup>
12.	October 1, 1996	886.5	-	17,067.0	132.0	942.5	361.0a 372.0c	2,653.0	95.0 633.2 <sup>2</sup>
13.	October 1, 1997	923.6	-	18,254.2	132.0	942.5	361.0a 372.0c	2,823.0	170.0 633.2 <sup>2</sup>
14.	October 1, 1998	864.5	-	19,355.5	132.0	942.5	361.0a 372.0c	2,944.0	170.0 633.22
15.	October 1, 1999	864.5	-	19,996.8	132.0	942.5	361.0a 372.0c	3,751.0	170.0 633.22
16.	October 1, 2000	764.5	-	21,080.5	171.0	942.5	361.0a 372.0c	5,993.0	170.0 883.5 <sup>2</sup>
17.	October 1, 2001	764.5	-	20,750.5	171.0	942.5	361.0a 372.0c	6,101.0	170.0 1033.5 <sup>2</sup>
18.	October 1, 2002	764.5	-	19,791.3	171.0	942.5	503.5a 229.5c	6,998.6	170.0 1053.5 <sup>2</sup>
19.	October 1, 2003	764.5	-	19,791.3	105.0	462.5	503.5a 300.0c	6,998.6	170.0 1053.5 <sup>2</sup>
20.	November 1, 2004	764.5	-	19,746.3	105.0	462.5	503.5a 300.0c	6,827.0	170.0 1292.5 <sup>2</sup>
21.	November 1, 2005	616.5	-	19,986.3	105.0	142.5	503.5a 300.0c	6,827.0	170.0 1292.5 <sup>2</sup>
22.	November 1, 2006	616.5	-	19,986.3	105.0	142.5	503.5a 300.0c	6,987.0	150.0 1497.6 <sup>2</sup>
23.	November 1, 2007	616.5	-	19,986.3	105.0	142.5	503.5a 300.0c	7,032.0	150.0 1477.6 <sup>2</sup>
24.	November 1, 2008	616.5	-	20,829.4	105.0	142.5	503.5a 300.0c	7,032.0	150.0 1477.6 <sup>2</sup>
25.	November 1, 2009	616.5	-	21,646.5	105.0	142.5	503.5a 229.5c	7,047.0	300.0 1597.6 <sup>2</sup>
26.	November 1, 2010	616.5	-	21,646.5	105.0	142.5	503.5a 229.5c	7,022.0	300.0 1572.6 <sup>2</sup>
27.	November 1, 2011	616.5	-	21,646.5	105.0	142.5	412.5a 229.5c	6,997.0	300.0 1598.1 <sup>2</sup>
28.	November 1, 2012	638.1	-	22,742.4	105.0	142.5	412.5a 229.5c	6,934.0	300.0 1838.6
29.	November 1, 2013	638.1	-	23,464.4	105.0	142.5	412.5a 229.5c	8,024.0	300.0 1132.6
30.	November 1, 2014	638.1	-	23,464.4	105.0	142.5	412.5a 229.5c	8,024.0	300.0 1132.6
31.	November 1, 2015	670.1	-	23,497.4	105.0	142.5	412.5a 324.0c	8,024.0	300.0 1132.6
32.	November 1, 2016	670.1	-	23,498.2	105.0	Closed	412.5a 324.0c	7,946.0	300.0 2052.6

@ = In addition, some other NP/NPK plants produced DAP for which DAP capacity is not separately available.  
\$ = Idle capacity. (a) = 20-20-0 (c) = ANP 23-23-0 / 24-24-0

(Continued)

1.07 CAPACITY OF FERTILISERS - PRODUCT-WISE AND NUTRIENT-WISE (Concluded) 1950 to 2016									
('000 tonnes)									
Sl. No.	Capacity as on	NP/NPK Fertilisers			Phosphatic fertilisers			Total	
		19-19-19/ 28-28-0 14-35-14 <sup>3</sup>	17-17-17/ 14-28-14	10-26-26/ 12-32-16 15-15-15 <sup>4</sup>	Pelofos 18% P <sub>2</sub> O <sub>5</sub>	SSP 16% P <sub>2</sub> O <sub>5</sub>	TSP 46% P <sub>2</sub> O <sub>5</sub>	N	P <sub>2</sub> O <sub>5</sub>
1.	December 31, 1950	-	-	-	-	128.0	-	16.7	20.5
2.	December 31, 1960	-	-	-	-	577.1	-	162.2	95.6
3.	September 30, 1970	260.0	-	-	-	1,337.9	27.0	1,349.3	433.5
4.	November 1, 1975	410.6	360.0	375.5	45.0	1,420.6	27.0	2,625.1	737.6
5.	September 1, 1980	401.0 96.5 <sup>3</sup>	920.0	503.5 32.0	45.0	1,634.4	567.0	4,357.8	1,333.8
6.	October 1, 1990	251.0 96.5 <sup>3</sup>	1,005.0	800.0 300.0 <sup>4</sup>	-	5,219.8	27.0 <sup>b</sup>	8,146.8	2,751.4
7.	October 1, 1991	251.0 96.5 <sup>3</sup>	1,005.0	800.0 300.0 <sup>4</sup>	-	5,107.5	27.0 <sup>b</sup>	8,211.0	2,770.5
8.	October 1, 1992	251.0 96.5 <sup>3</sup>	1,005.0	800.0 300.0 <sup>4</sup>	-	5,017.6	27.0 <sup>b</sup>	8,509.9	2,813.7
9.	October 1, 1993	401.0 96.5 <sup>3</sup>	540.0	800.0 300.0 <sup>4</sup>	-	5,083.6	27.0 <sup>b</sup>	8,509.9	2,824.4
10.	October 1, 1994	401.0 96.5 <sup>3</sup>	540.0	800.0 300.0 <sup>4</sup>	-	5,217.4	-	8,844.0	2,833.6
11.	October 1, 1995	401.0 96.5 <sup>3</sup>	540.0	800.0 300.0 <sup>4</sup>	-	5,783.6	-	8,998.2	2,924.1
12.	October 1, 1996	401.0 96.5 <sup>3</sup>	540.0	800.0 300.0 <sup>4</sup>	-	5,928.1	-	9,332.2	2,948.2
13.	October 1, 1997	401.0 96.5 <sup>3</sup>	840.0	800.0 300.0 <sup>4</sup>	-	6,575.7	-	9,956.6	3,164.8
14.	October 1, 1998	401.0 96.5 <sup>3</sup>	840.0	800.0 300.0 <sup>4</sup>	-	6,487.2	-	10,570.9	3,206.2
15.	October 1, 1999	401.0 96.5 <sup>3</sup>	840.0	1057.0 300.0 <sup>4</sup>	-	6,616.3	-	11,068.0	3,747.9
16.	October 1, 2000	440.0 200.0 <sup>3</sup>	840.0	1467.0 300.0 <sup>4</sup>	-	6,696.4	-	11,987.7	4,987.7
17.	October 1, 2001	440.0 200.0 <sup>3</sup>	840.0	1440.0 300.0 <sup>4</sup>	-	7,823.6	-	11,953.0	5,248.8
18.	October 1, 2002	440.0 200.0 <sup>3</sup>	840.0	1510.4 300.0 <sup>4</sup>	-	6,294.0	-	11,684.1	5,415.2
19.	October 1, 2003	440.0 200.0 <sup>3</sup>	840.0	1510.4 300.0 <sup>4</sup>	-	6,023.0	-	11,563.6	5,387.9
20.	November 1, 2004	540.0 250.0 <sup>3</sup>	840.0	1510.4 300.0 <sup>4</sup>	-	6,128.0	-	11,604.6	5,426.7
21.	November 1, 2005	540.0 250.0 <sup>3</sup>	840.0	1510.4 300.0 <sup>4</sup>	-	6,135.7	-	11,634.9	5,427.9
22.	November 1, 2006	630 250.0 <sup>3</sup>	840.0	1615.4 300.0 <sup>4</sup>	-	6,677.7	-	11,576.9	5,671.1
23.	November 1, 2007	630 250.0 <sup>3</sup>	840.0	1800.4 300.0 <sup>4</sup>	-	7,439.2	-	11,606.9	5,874.6
24.	November 1, 2008	630 250.0 <sup>3</sup>	840.0	1800.4 300.0 <sup>4</sup>	-	7,458.7	-	11,898.3	5,855.3
25.	November 1, 2009	1280 250.0 <sup>3</sup>	840.0	1760.4 300.0 <sup>4</sup>	-	7,938.7	-	12,567.6	6,202.1
26.	November 1, 2010	1280 250.0 <sup>3</sup>	840.0	1760.4 300.0 <sup>4</sup>	-	7,915.0	-	12,567.6	6,198.3
27.	November 1, 2011	1280.0 250.0 <sup>3</sup>	840.0	1775.4 420.0 <sup>4</sup>	-	8,043.7	-	12,572.8	6,221.3
28.	November 1, 2012	1280.0 250.0 <sup>3</sup>	840.0	1760.4 420.0 <sup>4</sup>	-	8,943.7	-	13,078.9	6,371.2
29.	November 1, 2013	1280.0 250.0 <sup>3</sup>	840.0	1760.4 420.0 <sup>4</sup>	-	9,275.7	-	13,533.3	6,679.7
30.	November 1, 2014	1280.0 250.0 <sup>3</sup>	840.0	1735.4 420.0 <sup>4</sup>	-	9,607.7	-	13,533.3	6,732.8
31.	November 1, 2015	1280.0 250.0 <sup>3</sup>	840.0	1735.4 420.0 <sup>4</sup>	-	11,166.7	-	13,578.0	7,005.0
32.	November 1, 2016	1280.0 250.0 <sup>3</sup>	840.0	1485.4 420.0 <sup>4</sup>	-	11,298.7	-	13,605.9	7,117.9

b = TSP capacity of HCL, Khetri and FCI, Sindri (R) have been deleted as these are not in operation.  
Note: Capacity figures of DAP and NP/NPK complex fertilisers (except nitro phosphate) shown in the table are indicative.  
These are subject to change from product to product based on production of each grade in a year.

<b>1.08 ALL INDIA CAPACITY, PRODUCTION AND CAPACITY UTILISATION OF FERTILISER INDUSTRY 1982-83 to 2016-17 (April-March)</b>						
Year	N			P <sub>2</sub> O <sub>5</sub>		
	Capacity*	Production	Capacity Utilisation %	Capacity*	Production	Capacity Utilisation %
	← ('000 tonnes) →			← ('000 tonnes) →		
1982-83	5,174.0	3,429.7	67.0	1,492.0	983.7	69.0
1983-84	5,200.0	3,491.5	67.0	1,614.3	1,064.1	70.0
1984-85	5,592.0	3,917.3	74.0	1,767.6	1,317.9	86.0
1985-86	6,695.0	4,322.9	72.0	1,952.5	1,430.1	85.0
1986-87	6,880.0	5,412.0	79.0	2,214.1	1,661.9	81.0
1987-88	7,083.0	5,465.5	78.0	2,453.3	1,666.1	70.0
1988-89	8,148.0	6,712.4	85.2	2,666.0	2,252.5	87.0
1989-90	8,146.8	6,747.4	82.8	2,727.0	1,795.3	67.2
1990-91	8,146.8	6,993.1	85.7	2,765.0	2,051.1	75.0
1991-92	8,282.0	7,301.5	88.7	2,806.0	2,561.6	94.0
1992-93	8,509.9	7,430.6	88.1	2,806.0	2,320.8	83.3
1993-94	8,844.0	7,231.2	84.1	2,817.0	1,874.3	68.5
1994-95	8,998.0	7,944.3	91.0	2,873.0	2,556.7	90.9
1995-96	9,134.2	8,768.8	98.5	2,982.0	2,593.5	90.7
1996-97	9,468.2	8,593.1	93.2	3,027.3	2,578.6	86.1
1997-98	10,473.7	10,083.0	101.5	3,135.3	3,076.2	100.0
1998-99	10,559.3	10,477.3	99.2	3,346.8	3,204.8	96.3
1999-2000	11,077.8	10,873.2	100.1	3,760.7	3,447.7	91.0
2000-01	11,987.7	10,942.8	91.3	4,987.7	3,734.2	77.6
2001-02	11,953.0	10,689.5	89.4	5,112.4	3,835.3	75.5
2002-03	11,684.1	10,507.6	89.9	5,333.0	3,907.7	74.1
2003-04	11,563.6	10,556.8	91.3	5,401.6	3,626.6	67.8
2004-05	11,604.6	11,304.9	97.4	5,480.4	4,038.4	75.5
2005-06	11,634.9	11,332.9	97.4	5,459.6	4,202.6	78.5
2006-07	11,576.9	11,524.9	99.6	5,736.3	4,440.0	78.5
2007-08	11,606.9	10,902.8	93.9	5,874.6	3,714.3	64.7
2008-09	11,898.3	10,900.2	91.6	5,855.3	3,417.3	59.1
2009-10	12,567.6	11,924.0	94.9	6,202.1	4,374.3	71.8
2010-11	12,567.6	12,178.6	96.9	6,198.3	4,371.2	72.4
2011-12	12,572.8	12,288.1	97.7	6,221.3	4,363.7	71.7
2012-13	13,078.9	12,237.3	93.6	6,373.8	3,826.0	62.2
2013-14	13,533.3	12,408.6	92.1	6,719.2	3,972.0	60.3
2014-15	13,533.3	12,433.7	91.9	6,889.9	4,118.9	61.1
2015-16	13,578.0	13,475.9	99.3	7,005.0	4,425.8	64.6
2016-17	13,605.9\$			7,117.9\$		

\* = Capacity as at the end of the year viz., 31st March of plants in operation.  
 \$ = Capacity as on 1.11. 2016.  
 Note: Capacity utilisation has been worked out after taking into account the dates of commissioning of new plants/expansion/closure/trial run.

1.09 APPROVED GRADES OF FERTILISER MIXTURES—STATEWISE					
Zone/State	No.	Grade			Crops for which recommended
		N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	
<b>East</b>					
Assam		12	12	12	
		15	15	15	
Bihar		15	15	7.5	
		18	18	6	
		12	12	12	
Odisha		15	15	15	
West Bengal	NPK	12	12	12	
	Grade-2				
	NPK Grade-4	10	5	10	For Tea
<b>North</b>					
Haryana		12	32	0	
		15	15	7.5	
Uttar Pradesh		12	24	12	
		12	12	12	
		13	12	10	
		13	12	0	
Uttarakhand		15	15	10	
		20	20	10	
		20	20	0	
Jammu and Kashmir		12	32	16	
(Continued)					

1.09 APPROVED GRADES OF FERTILISER MIXTURES—STATEWISE (Continued)						
Zone/State	No.	Grade			Crops for which recommended	
		N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O		
<b>South</b>						
Andhra Pradesh and Telangana	1	6	18	12(S)	FVCV tobacco	
	2	18	18	9 (M)	Cotton, hybrid (seed production)	
	3	5	15	15(S) + 2 MgO	Tobacco in collaboration with M/s. Indian Leaf Tobacco Dev. Co.	
	4	22	0	11	Paddy top dressing	
	5	20	10	10	Sugarcane special	
	6	20	20	0	All plantation crops including commercial crops	
	7	15	15	15		
	8	17	17	17		
	9	19	19	19		
	10	14	28	14		
	11	14	35	14		
		12	10	26	26	
Karnataka	1	17	17	17		
	2	10	20	10		
	3	15	5	5		
	4	20	20	0		
Kerala	1	13	10(5)	5	Paddy-HYV short duration	
	2	10	10(5)	5	Paddy - Medium duration Paddy - Local and sugarcane	
	3	20	0	10	Paddy top dressing	
	4	10	5(3)	20	Coconut	
	5	10	4(2)	14	Arecanut, pepper, cocoa	
	6	15	10(5)	10	Vegetables (Cucurbits)	
	7	10	10(5)	10	Vegetables (Solanaceous)	
	8	5	15(7)	5	Pulses (cowpea), Tapioca	
	9	8	8(4)	16	Cardamom	
	10	12	9(4)	12	Coffee	
		11	10	10(5)	4	Rubber (as recommended by the Rubber Board) Total P <sub>2</sub> O <sub>5</sub> in water insoluble form.
		12	12(6)	6		
		10	10	4		
	12	12	6			
	12	12	12			
	15	10	6			
	10	10	10			
	12	5	10(5)	18	Rose *	
	13	18	18(18)	18	High analysis fertiliser**	
<p>( ) = The figures within parantheses denote water soluble P<sub>2</sub>O<sub>5</sub>.  * = FACT's Rose mixture was initially approved on ad hoc basis as a Standard Mixture till the trials that were being carried out by KAU were completed and results communicated. KAU has since approved the mixture.  ** = This high analysis Standard Mixtures with 18% P<sub>2</sub>O<sub>5</sub> in water soluble form was included on ad hoc basis on 25.7.1991 for a period of one year. The period of validity has since been extended.  (M) = Muriate of potash. (S) = Sulphate of potash.</p>						

(Continued)

1.09 APPROVED GRADES OF FERTILISER MIXTURES—STATEWISE (Continued)					
Zone/State	No.	Grade			Crops for which recommended
		N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	
<b>South (Continued)</b>					
Tamil Nadu					
	2	12	6 (1.2)	6	Paddy, ragi, cotton, chillies, tobacco and vegetables
	2 (a)	12	6	6	Fruits
	3	8	8	16	Coconut, tapioca and arecanut
	4	6	12 (2.4)	6	Potato, paddy, hybrid millets and basal dressing mixtures
	4 (a)	6	12 (2.4)	6	Potato
	5	9	9 (1.8)	9	Paddy, millets, vegetables and basal dressing mixtures
	7	4	8(1.6)	12	Groundnut
	9	10	0	30	Banana
	10	15	5	5	Sugarcane
	12	16	0	12	Top dressing mixtures
	14	12	4	12	Coconut -sandy loam
	16	20	0	10	Sugarcane (N and K, at Hyber I)
	18	17	17 (3.4)	17	Paddy
	21	12	12	12	Rubber 5th year onwards in tapping stage
	23	10	10	10	Rubber - for mature rubber plantation
	24	20	0	10	Tea
	25	11	16	11	Tea
	26	26	0	26	Tea
	27	21	0	32	Tea
	28	29	0	22	Tea
	29	20	20 (4.0)	0	Basal dressing mixture (Granulated form)
<p>( ) = The figures within parantheses denote water soluble P<sub>2</sub>O<sub>5</sub>.</p> <p>Note: (1) The entire nitrogen in the statdard grades of mixture will be inorganic form except standard grade mixture 4(a), in which organic "N" be permitted, when it is used for Potato crop alone. (2) A minimum of 20% phosphoric acid in standard grade mixture 2, 4, 4(a), 5, 7, 18 and 29 shall be in water soluble form. In respect of mixture 2(a), 3, 10 and 14, these should contain the total guaranteed phosphoric acid. The quantum of ingredients used, have to provide 50% of P<sub>2</sub>O<sub>5</sub> forms only, for water soluble P<sub>2</sub>O<sub>5</sub> content and the balance portion of non-water soluble P<sub>2</sub>O<sub>5</sub> as powdered rockphosphate. (3) The organic nitrogen in the standard grade mixture 4(a) may be supplied through oil cakes only. It should be vegetable origin only until the efficiency of animal origin is established.</p>					
(Continued)					

1.09 APPROVED GRADES OF FERTILISER MIXTURES—STATEWISE (Concluded)						
Zone/State	No.	Grade			Crops for which recommended	
		N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O		
<b>South (Concluded)</b>						
Puducherry	2	12	6	6	Paddy, ragi, cotton, chillies and vegetables	
	3	8	8	16	Coconut & papaya	
	5	9	9	9	Paddy, millets, vegetables and as basal dressing mixture	
	7	4	8	12	Groundnut	
	7(a)	7	14	21	Irrigated groundnut	
	10	15	5	5	Sugarcane	
	12	16	0	12	Paddy - Top-dressing	
	16	20	0	10	Sugarcane , Paddy	
	18	17	17	17	Paddy, millets & as basal dressing mixture	
<b>West</b>						
Gujarat	10	5	5	15	5	5
	19	19	19	15	10	0
	18	18	10 (Mg SO <sub>4</sub> )			
	12	32	6			
	20	20	0			
	20	10	5			
	20	10	10			
	20	20	10			
Madhya Pradesh	20	20	10			
	12	32	6			
	12	32	16			
	8	32	8			
	20	20	0			
	15	15	7.5			
Chhattisgarh	16	30	10			
	20	20	10			
	12	32	16			
	20	20	0			
	15	15	7.5			
Maharashtra	10	20	20			
	18	18	10			
	20	20	0			
	20	10	10			
	5	10	5			(Organic)
	5	10	0			(Organic)
Source : State Departments of Agriculture.						

<b>1.10 MANUFACTURERS AND INSTALLED CAPACITY OF GRANULATED FERTILISER MIXTURES</b>		(tonnes)
S. No.	Name of factory	Annual Installed Capacity
<b>IN PRODUCTION</b>		
<b>East</b>		
	*1. BISCOAUN Granulated Fertiliser Factory, Tiltrath, Dist. Begusarai (Bihar)	36,000
	2. Bihar Agro Industries, Dist. Forbeshganj (Bihar)	18,000
	3. Hara Bhara Fertilisers, Dist. Sitamarhi (Bihar)	12,000
	4. Himalayan Agro Chemicals, Dist. Purnea (Bihar)	12,000
	5. Koshi Chemicals, College Road, Dist. Katihar (Bihar)	12,000
	6. Raj Nand Singh Agro Fertiliser Pvt. Ltd., Tenduni, Dist. Bhojpur (Bihar)	12,000
	7. Ranvi sati Fertiliser Pvt. Ltd., Donar, Dist. Darbhanga (Bihar)	12,000
	8. Shakti Chem. & Fert. (Pvt.) Ltd., Dist. Kodarma (Jharkhand)	36,000
	9. Tatanagar Fertiliser (Pvt.) Ltd., Adityapur (Jharkhand)	24,600
	*10. Odisha State Coop. Marketing Federation Ltd., Bargarh, Dist. Sambalpur (Odisha)	15,000
	11. G.S. Fertilisers Pvt. Ltd., Orgram, Dist. Burdwan (West Bengal)	66,000
	12. The Jayashree Chemicals & Fertilisers, Khardah (West Bengal)	24,000
	13. Mahamaya Enterprises, Habra, 24 Pgs (N) (West Bengal)	N.A.
	14. Pallishree Limited, Kolkata and Hooghly (West Bengal)	N.A.
	15. M. Saha & Co., Kolkata and Malda (West Bengal)	N.A.
	16. R. B. Agro Enterprises, Habra 24 Pgs (N) (West Bengal)	N.A.
	17. Bengal Fertilisers & Chemicals, Islampur, Dist. Uttar Dinajpur (West Bengal)	N.A.
	18. Zany Bio-Tech Pvt. Ltd., Dinhat (Cooch Behar) (West Bengal)	N.A.
	19. Teesta Torsa Chemicals, Madhupur, Dist. Cooch Behar (West Bengal)	N.A.
	20. Teesta Agro Industries Ltd., Rajganj, Dist. Jalpaiguri (West Bengal)	N.A.
	21. Manjusha Growers & Manufacturers (P) Ltd., Adhikari, Dist. Darjeeling (West Bengal)	N.A.
	22. Raghunath Fertilisers Pvt. Ltd., Jagannathpur, Dist. Darjeeling (West Bengal)	N.A.
<b>North</b>		
	1. Hind Fertilisers & Chemicals Industries Pvt. Ltd., Rukri, Dist. Ambala (Haryana)	25,000
	2. Gold Field Industries, Ratnipura, Pulwama (Jammu & Kashmir)	23,400
	3. Kissan Fertilizer Industries, Chettergam, Budgam Dist. (Jammu & Kashmir)	25,400
	4. Pecific Orgo Chemicals Ltd., Peerkheda (Uttar Pradesh)	5,000
	5. Purvanchal Fertiliser Pvt. Ltd., Dist. Gorakhpur (Uttar Pradesh)	10,000
	6. Ravi Pesticides Ltd., Dist. Bijnore (Uttar Pradesh)	1,000
	7. Khushal Fertilisers Ltd., Rurkee (Uttarakhand)	30,000
<b>South</b>		
	1. Balaji Agri Chemicals, Dist. Kurnool (Andhra Pradesh)	25,000
	2. Balaji Fertilizers, Dist. Kadapa (Andhra Pradesh)	60,000
	3. Bhaskara Fertilisers, Dist. Anantapur (Andhra Pradesh)	49,000
	4. Chemtech Fertilizers Ltd., Dist. Medak (Telangana)	35,000
	5. Dasarath Prasad Fert., Pvt. Ltd., Dist. Krishna (Andhra Pradesh)	1,60,000
	6. Haritha Fertilisers, Damaracharla, Hanumanjunction, Dist. Nalgonda (Telangana)	1,50,000
	7. Haritha Fertilisers, Keesara, Dist. Ranga Reddy (Telangana)	1,50,000
		(Continued)



<b>1.10 MANUFACTURERS AND INSTALLED CAPACITY OF GRANULATED FERTILISER MIXTURES (Continued)</b>		(tonnes)
S. No.	Name of factory	Annual Installed Capacity
<b>South (Continued)</b>		
8.	Jayalaxmi Fertilisers, Tanuku, Dist. West Godavari, (Andhra Pradesh)	45,000
9.	Krishna Industrial Corpn. Ltd., Nidadavole, Dist. West Godavari (Andhra Pradesh)	36,000
10.	KPR Fertilisers Pvt. Ltd., Dist. East Godavari, (Andhra Pradesh)	2,00,000
11.	Lakshmi Ganesh Agro Fertilizers (Pvt.) Ltd, Dist. Nellore (Andhra Pradesh)	1,20,000
12.	Maheswari Fertilizers, Dist.Kadapa (Andhra Pradesh)	60,000
13.	N G Fertilizers, Dist. Krishna (Andhra Pradesh)	1,25,000
14.	Omkar Fertilizers, Dist. West Godavari (Andhra Pradesh)	1,20,000
15.	Rythu Mitra Fertilizers (Pvt) Ltd., Dist. Krishna (Andhra Pradesh)	1,20,000
16.	Renuka Fertilisers Pvt. Ltd., Dist. Ananthapur (Andhra Pradesh)	45,000
17.	Star Fertilizers Pvt. Ltd., Dist. Medak (Telangana)	70,000
18.	Prathyusha Ferts. Ltd., Visakhapatnam (Andhra Pradesh)	60,000
19.	Sri Bio Tech Laboratory India Ltd., Dist. Guntur (Andhra Pradesh)	1,00,000
20.	Sri Himaja Fertilizers and Chemicals (P) Ltd., Dist. Krishna (Andhra Pradesh)	1,25,000
21.	Godavari Farm Chemicals Industries, Khammam (Telangana)	45,000
22.	GGR Homes (Pvt.) Ltd., Dist. Chittoor (Andhra Pradesh)	1,20,000
23.	Sri Venkateswara Fertilizers, Dist. East Godavari (Andhra Pradesh)	60,000
24.	Accutech Agro Pvt. Ltd., Dist. Davanagere (Karnataka)	45,000
25.	Aradhya Chemicals and Fertilizers, Dist. Davanagere (Karnataka)	30,000
26.	Basant Agro Tech (India) Ltd., Hospet (Karnataka)	60,000
27.	Belgaum Poly Organic Fertilizers Pvt. Ltd., Nippani, Dist. Belgaum (Karnataka)	40,000
28.	Bhima Krishna Chemicals & Fertilisers Private Ltd., Kalaburgi, Dist. Gulbarga (Karnataka)	40,000
29.	Coromandel International Ltd, Munirabad (R.S), Koppal (Karnataka)	1,20,000
30.	Deccan Sales Corporation Ltd., Dist. Belgaum (Karnataka)	45,000
31.	Exceed Crop Science Pvt. Ltd., Hubli, Dharwad (Karnataka)	35,000
32.	Ganeshanugratha Fertilisers & Chemicals Pvt. Ltd., Dist. Dharwad (Karnataka)	30,000
33.	Ghataparabha Fertilizers Pvt. Ltd., Raibag, Dist. Belgaum (Karnataka)	45,000
34.	Heliocon Agro Chemicals, Dist. Raichur, (Karnataka)	10,000
35.	Heliocon Agro Chemicals, Nehruganj, Dist. Gulbarga (Karnataka)	75,000
36.	Kissan Agri Industries, Hubli, Dharwad (Karnataka)	40,000
37.	KPR Fertilizers, Koppal (Karnataka)	60,000
38.	Mahashakti Chemicals and Fertilisers Pvt. Ltd., Mysore (Karnataka)	50,000
39.	Maruthi Fertochem Ltd., Dist. Koppal (Karnataka)	40,000
40.	MSR Chemicals Fertilizers Pvt. Ltd., Nelamangala Taluk, Dist. Bangalore (Karnataka)	40,000
41.	Patil Krushi Udyog, Jamakhandi, Bagalkot (Karnataka)	40,000
42.	Peregrine Phosphate Pvt. Ltd., Kalaburgi, (Karnataka)	50,000
43.	Samyukta Agritech Pvt. Ltd., Rayapur, Dist. Dharwad (Karnataka)	20,000
44.	Savio Bio Organic and Fertilisers Pvt. Ltd., Khanapur, Belagavi (Karnataka)	40,000
45.	Shanthi Jeevan Agro Foods India Pvt. Ltd., Vijayapura (Karnataka)	20,000
46.	Shri Lakshminarayan Chemicals & Fertilizers Pvt. Ltd., Rayapur, Dist. Dharwad (Karnataka)	30,000

(Continued)

<b>1.10 MANUFACTURERS AND INSTALLED CAPACITY OF GRANULATED FERTILISER MIXTURES (Continued)</b> (As on April 1, 2016)		
S. No.	Name of factory	Annual Installed Capacity (tonnes)
<b>South (Concluded)</b>		
47.	Someshwara Fertilisers Pvt. Ltd., Maddur, Dist. Mandya (Karnataka)	60,000
48.	Sri Balaji Agro Chem (India) Pvt. Ltd., Hassan (Karnataka)	20,000
49.	Vijayanagar Fertilizers Pvt. Ltd., Bellary (Karnataka)	45,000
50.	Allwin Fertiliser Corporation, Madurai (Tamil Nadu)	3,000
51.	Asian Fertiliser, Madurai (Tamil Nadu)	5,000
52.	Ganga Cauvery Fertilisers, Salem (Tamil Nadu)	15,000
53.	Green Tech Fertilizer Corporation, Tiruvannamalai (Tamil Nadu)	90000
54.	Income Moarch Ltd., Madurai (Tamil Nadu)	4000
55.	India Fertilizer, Madurai (Tamil Nadu)	2,650
56.	Kothari (Madras) International Ltd., Madurai-2 (Tamil Nadu)	7,000
57.	Kissan Fertilizer, Umachikulam, Madurai (Tamil Nadu)	6,000
58.	Madurai Fertilizer Company, Madurai (Tamil Nadu)	5,000
59.	National Fertilizer Company, Madurai (Tamil Nadu)	N.A.
60.	Pamani Fertilizers, Mannargudi, Thiruarur District (Tamil Nadu)	20,000
61.	PL Agro Technologies Ltd., Madurai (Tamil Nadu)	6,000
62.	Raja Fertilizer Company, Madurai (Tamil Nadu)	2,000
63.	Royal Fertilizer, Madurai (Tamil Nadu)	2,950
64.	Sri Ramkumar Fertiliser, Thirumangalam (Tamil Nadu)	3,000
65.	Sun Fertiliser Company, Madurai (Tamil Nadu)	5,000
66.	T. Stanes and Company Ltd., Madurai (Tamil Nadu)	5,000
67.	Velmurugan Fertiliser Company, Arasur, Villupuram (Tamil Nadu)	41,000
68.	Velmurugan Fertiliser Company, Villupuram (Tamil Nadu)	21,000
69.	Vorion Industries and Chemicals, Sirukadambur (Tamil Nadu)	N.A.
<b>West</b>		
1.	BEC Fertilisers (A unit of Bhilai Engg. Corpn. Ltd.), Bilaspur (Chhattisgarh)	N.A.
2.	Narmada Phosphate Ltd., Bilaspur (Chhattisgarh)	3,373@
3.	A & A Enterprises, Raniya, Vadodara (Gujarat)	1,278@
4.	Dhanlaxmi Organic, Bhavnagar (Gujarat)	6,600
5.	Everest Ferts. & Chems., Rajkot (Gujarat)	12,344@
6.	Evolve Ferti & Chem Pvt.Ltd., Rajkot (Gujarat)	749@
*7.	Gandevi Taluka Sahkari Sangh Ltd, Navsari (Gujarat)	1,823@
*8.	Gujarat State Coop. Fruit & Vegetable Fed., Bardoli (Gujarat)	3,000
9.	The Gujarat Fert.& Chem. Dhoraji, Dist.Rajkot (Gujarat)	1,875@
10.	Heritage Enterprises, Panchmahal, Vadodara (Gujarat)	33,000
11.	Jaykisan Fert.Pvt.Ltd., Naranaka, Rajkot (Gujarat)	2,861@
*12.	Khudat Sahakari Gene Ltd., Mandhi, Surat (Gujarat)	4,000
*13.	Khedut Sahakari gening & processing soc1., Baben, Sardarbag, Ta-Bardoli, Dis.Surat (Gujarat)	15,000
14.	Liberty Phosphate, Nandesari, Vadodara (Gujarat)	1,32,000
15.	Mangal Murti Bio Chem Pvt.Ltd., Surat (Gujarat)	5,500
16.	Narmada Agro Chemical Pvt.Ltd, Mangarol, Dist.Junagadh (Gujarat)	6,600
(Continued)		

<b>1.10 MANUFACTURERS AND INSTALLED CAPACITY OF GRANULATED FERTILISER MIXTURES (Concluded)</b>		(tonnes)
S. No.	Name of factory	Annual Installed Capacity
<b>West (Concluded)</b>		
	17. Narmada Biochem Pvt. Ltd., Ahmedabad & Kheda (Gujarat)	25,164@
	*18. Navsari Tal. Sahakari Kharedi Vechan Sangh, Navasari (Gujarat)	6,600
	19. Pruthvi Khetiwadi Kendra, Bhavnagar, (Gujarat)	6,600
	20. Sardar Biochem Industries, Rajkot (Gujarat)	8,780@
	*21. Sardar Bardoli Taluka Khedut Sahakari Kharid Vechan Sangh Ltd., Surat (Gujarat)	4,456@
	22. Shree Kalptaru Fertilizers, Vadodara District (Gujarat)	16,500
	23. Shree Kamdhenu Fertilizers, Vadodara District (Gujarat)	16,500
	24. Shubham Fertilisers & Chem., Surat (Gujarat)	1000
	25. Shubham Fertilisers & Chem., Bharuch (Gujarat)	4950
	26. Sikko Products Pvt.Ltd., Ahmedabad (Gujarat)	1,666@
	*27. Surat Jilla Kharid Vechan Sangh, Surat (Gujarat)	2,100
	28. T.J. Agro Fertiliser Pvt. Ltd., Navsari, Surat (Gujarat)	12,700@
	29. T. J. Agro Chemical & Fert., Sukhapur, Junagadh (Gujarat)	16,500
	30. Tirupati Agro Chem., Vadad, Junagadh (Gujarat)	6,600
	31. Basant Agrotech (I) Ltd., Akola, Sangli & Jalgaon, (Maharashtra)	30,000
	32. BEC Fertilisers, Pulgaon unit, Wardha (Maharashtra)	45,000
	33. Deccan Sales Corpn., Ltd., (Maharashtra)	44,000
	34. Lahari Fert. & Agro Indus. Pvt. Ltd., Kondhala, Dist. Gadchiroli (Maharashtra)	30,000
	35. Maharashtra Agro Industries Development Corpn. Ltd., Fertiliser factories at Rasayani, Nanded, Pachora, Kolhapur, Jalna and Wardha (Maharashtra)	3,30,000
	*36. Maharashtra State Co-op. Marketing Federation Ltd., Granulated Fertiliser Factories at Aurangabad and Buldhana (Maharashtra)	1,98,000
	37. Maruti Fertochem Ltd., Shivan Complex, Latur, Aurangabad and Nagpur units (Maharashtra)	30,000
	*38. R.B. Patil Kisan Sahakari Kheredi Vikri Sangh Ltd., Kolhapur (Maharashtra)	N.A.
	39. Rama Krishi Rasayan, Pune (Maharashtra)	47,500
	40. Shree Datta Ferts. & Chems. Ltd., Amaravati (Mah.)	60,000
	41. Shri Bhavani Mishra Fert. (P) Ltd., Nanded (Maharashtra)	30,000
	42. Subhash Fertilisers Pvt. Ltd., Jalna (Maharashtra)	N.A.
	*43. Shetkari Sahakari Tambakhu Kharedi Vikri Sangh, Kolhapur (Maharashtra)	N.A.
	44. Shiva Global Agro Ind., Ltd., Nanded (Maharashtra)	45,000
	45. Varad Ferts., (P) Ltd., Jalna (Maharashtra)	14,500
	46. Vardhaman Ferts.& Seeds Ltd. (Maharashtra)	9,845@
	*47. The Vidharbha Cooperative Marketing Federation Ltd., Amravati, Butibori, Dist. Nagpur (Mah.)	60,000
<b>Total (145 plants)</b>		<b>51,86,364</b>
Note: Previous year's data have been repeated for those states in respect of which latest information is not available.		
* = Cooperative Sector		
@= Production during 2015-16.		
Source: State Departments of Agriculture.		

## 2.00 PRODUCTION OF FERTILISERS

<b>2.01 DEVELOPMENT OF PRODUCTION OF FERTILISER PRODUCTS</b>			
Year of first manu- facture	Fertiliser product	Factory which first manufactured	Total No. of manufacturing units (as on 1-11-2016)
(i) 1906	Single superphosphate	EID-Parry (India) Ltd., Ranipet (Now Coromandel International Ltd)	105
(ii) 1906	Fertiliser mixtures	"	145#
(iii)	Ammonium sulphate		10
1933	(a) As a by-product of steel industry	(a) Tata Iron & Steel Co. Ltd., Jamshedpur*	6
1941	(b) Using sulphuric acid	(b) Mysore Chemicals & Fertilizers Ltd. Belagula*	
1947	(c) Using gypsum as raw material	(c) FACT, Udyogamandal	
1974	(d) As a by-product of Polymer/caprolactum, etc.	(d) GSFC, Baroda	4
(iv) 1959	Ammonium sulphate nitrate	FCI Ltd., Sindri*	**
	Urea	FCI Ltd., Sindri*	30
	Ammonium chloride	New Central Jute Mills Co. Ltd., Varanasi*	1
(v) 1960	Ammonium phosphate	FACT, Udyogamandal	11
(vi) 1961	Calcium ammonium nitrate	NFL, Nangal	1\$
(vii) 1965	Nitrophosphate	RCFL, Trombay	3
(viii) 1967	Diammonium phosphate	Gujarat State Fertilizers & Chemicals Ltd. Baroda	11
(ix) 1968	Triple superphosphate	Dharamsi Morarji Chemical Co. Ltd. Ambernath	**
	Urea ammonium phosphate	Coromandel International Ltd., Vizag	
	NPK complex Fertilisers	RCFL, Trombay	9@
(x) 1973	Pelofos	Orissa Fertilizers and Chemicals, Rourkela	**
<p>** Now not manufactured.</p> <p>@ = Plants manufactured NPK complex fertilisers in 2015-16.      * Closed.</p> <p># Total number of granulated mixing units only.</p> <p>\$ = Plant not in operation.</p> <p>Note: Fertiliser plants with multiple products have been counted more than once under respective product categories. Otherwise, total number of complex fertilisers, including DAP is 19.</p>			

2.02 ALL INDIA PRODUCTION OF N AND P <sub>2</sub> O <sub>5</sub> 1951-52 to 2015-16 (April-March)								(’000 tonnes)
Year		N			P <sub>2</sub> O <sub>5</sub>			Total Product (all fertilisers)
		Through straight N	Through complex fertilisers\$	Total*	Through straight P <sub>2</sub> O <sub>5</sub>	Through complex fertilisers\$	Total#	
1951-52	I Plan	28.9	—	28.9	9.8	—	9.8	201.6
1955-56		76.9	—	76.9	12.4	—	12.4	450.4
1956-57	II Plan	78.8	—	78.8	17.6	—	17.6	492.4
1960-61		110.9	1.1	112.0	52.4	1.3	53.7	846.5
1961-62	III Plan	152.2	2.1	154.3	62.8	2.6	65.4	1,113.5
1965-66		226.9	11.0	237.9	106.2	12.6	118.8	1,781.3
1966-67		285.3	23.7	309.0	121.0	24.7	145.7	2,114.4
1967-68		374.0	28.6	402.6	157.7	49.4	207.1	2,595.6
1968-69		479.9	83.1	563.0	110.7	102.2	213.2	3,200.2
1969-70		625.3	105.3	730.6	103.2	120.5	223.7	3,063.5
1970-71		725.6	106.9	832.5	102.2	125.2	228.1	3,226.2
1971-72	IV Plan	807.4	141.8	949.2	127.6	162.7	290.3	3,741.2
1972-73		886.7	168.7	1,055.4	127.3	203.0	330.3	4,108.4
1973-74		889.4	160.5	1,049.9	126.9	197.6	324.5	4,077.4
1974-75		1,030.1	156.5	1,186.6	134.9	196.3	331.2	4,451.1
1975-76	V Plan	1,300.0	208.0	1,508.0	75.0	244.7	319.7	5,046.6
1976-77		1,608.8	253.6	1,862.4	127.0	351.3	478.3	6,328.9
1977-78		1,659.3	340.5	1,999.8	161.3	508.6	669.9	7,644.5
1978-79		1,769.8	403.2	2,173.0	186.8	591.2	778.0	7,840.3
1979-80		1,834.5	389.9	2,224.3	178.0	585.1	763.1	7,798.2
1980-81		1,758.7	405.2	2,163.9	196.7	644.8	841.5	7,854.5
1981-82	VI Plan	2,773.1	469.5	3,143.3	215.4	734.6	950.0	10,374.7
1982-83		2,938.8	490.9	3,429.7	222.1	761.6	983.7	11,024.3
1983-84		2,978.5	513.0	3,491.5	248.4	815.7	1,064.1	11,341.8
1984-85		3,291.7	625.6	3,917.3	308.2	1,009.7	1,317.9	13,101.8
1985-86	VII Plan	3,663.1	659.8	4,322.9	342.3	1,087.8	1,430.1	14,445.8
1986-87		4,635.8	776.4	5,412.2	321.0	1,340.9	1,661.9	16,989.3
1987-88		4,763.7	702.9	5,466.6	398.1	1,268.0	1,666.1	17,381.1
1988-89		5,728.8	983.6	6,712.4	471.1	1,781.4	2,252.5	21,461.0
1989-90		5,990.6	756.8	6,747.4	502.1	1,293.2	1,795.3	20,930.3
1990-91		6,148.0	845.1	6,993.1	584.0	1,467.1	2,051.1	22,231.5
1991-92		6,156.1	1,145.4	7,301.5	477.6	2,084.1	2,561.6	23,295.9
1992-93	VIII Plan	6,320.9	1,109.7	7,430.6	372.7	1,948.1	2,320.8	22,800.3
1993-94		6,376.3	854.9	7,231.2	361.2	1,513.1	1,874.3	21,684.2
1994-95		6,800.6	1,143.7	7,944.3	483.7	2,073.0	2,556.7	24,862.7
1995-96		7,558.8	1,210.0	8,768.8	513.2	2,080.3	2,593.5	26,973.9
1996-97		7,454.0	1,139.1	8,593.1	509.9	2,068.7	2,578.6	26,354.9
1997-98	IX Plan	8,806.1	1,276.9	10,083.0	613.2	2,462.9	3,076.2	30,728.4
1998-99		9,120.3	1,357.0	10,477.3	610.5	2,594.3	3,204.8	31,826.5
1999-2000		9,335.0	1,538.2	10,873.2	565.2	2,882.5	3,447.7	33,192.5
2000-01		9,236.4	1,706.5	10,942.8	438.8	3,295.4	3,734.2	32,920.2
2001-02		8,925.4	1,764.1	10,689.5	400.7	3,436.6	3,837.3	32,336.3
2002-03	X Plan	8,740.9	1,766.7	10,507.6	385.2	3,522.5	3,907.7	31,922.2
2003-04		8,936.1	1,620.7	10,556.8	406.9	3,219.7	3,626.6	31,617.2
2004-05		9,503.6	1,801.3	11,304.9	393.8	3,644.6	4,038.4	34,013.8
2005-06		9,429.9	1,903.1	11,332.9	447.2	3,755.4	4,202.6	35,071.4
2006-07		9,510.2	2,014.7	11,524.9	475.5	3,964.5	4,440.0	36,122.5
2007-08	XI Plan	9,259.0	1,643.8	10,902.8	359.4	3,354.9	3,714.3	32,746.4
2008-09		9,313.6	1,586.6	10,900.2	405.4	3,011.9	3,417.3	33,006.2
2009-10		9,869.1	2,054.9	11,924.0	494.9	3,879.4	4,374.3	37,242.2
2010-11		10,223.0	1,955.6	12,178.6	594.0	3,777.2	4,371.2	38,650.0
2011-12		10,287.4	2,000.9	12,288.3	691.8	3,671.9	4,363.7	38,858.3
2012-13	XII Plan	10,547.2	1,690.1	12,237.3	709.6	3,116.4	3,826.0	37,606.9
2013-14		10,592.2	1,816.4	12,408.6	673.8	3,298.2	3,972.0	38,180.6
2014-15		10,522.5	1,911.2	12,433.7	676.7	3,442.2	4,118.9	38,718.8
2015-16		11,379.0	2,096.9	13,475.9	692.7	3,733.1	4,425.8	41,597.7

\* Excludes N meant for non-agricultural purposes. # Excludes P<sub>2</sub>O<sub>5</sub> through direct application of phosphate rock.  
Note: Entire requirement of K<sub>2</sub>O is met through imports. \$ = DAP and NP/NPKs.

2.03 ALL INDIA PRODUCTION OF STRAIGHT NITROGENOUS FERTILISERS 1951-52 to 2015-16 (April-March)							
Year	Ammonium sulphate (20.6% N)	Ammonium sulphate nitrate (26%N)	Urea** (46% N)	Calcium ammonium nitrate (25%N)	Ammonium chloride (25% N)	Total (000 tonnes)	
						N (straight)	Product
1951-52	140.3	—	—	—	—	28.9	140.3
1955-56	373.1	—	—	—	—	76.9	373.1
1956-57	382.5	—	—	—	—	78.8	382.5
1960-61	399.0	40.0	11.8	51.3b	10.3	110.9	512.4
1961-62	402.3	53.2	13.5	228.1b	11.2	152.2	708.3
1962-63	422.2	62.2	18.7	381.7b	10.6	192.7	895.4
1963-64	426.0	47.2	19.1	498.1b	14.3	214.6	1,004.7
1964-65	474.4	47.8	17.9	555.6b	11.9	235.3	1,107.6
1965-66	449.4	52.3	27.5	503.1b	16.4	226.9	1,048.7
1966-67	438.4	50.0	141.0	540.9b	14.5	282.7	1,184.8
1967-68	498.6	60.9	290.9	337.8b 194.3	25.4	374.0	1,397.9
1968-69	575.3	49.2	473.2	180.0b 358.9	17.2	479.9	2,133.7
1969-70	581.8	42.8	828.6	3.0b 437.3	12.9	625.3	1,906.4
1970-71	612.3	41.8	1,096.2	317.2	22.1	725.6	2,089.9
1971-72	599.1	30.4	1,236.1	411.5	18.4	807.4	2,295.5
1972-73	554.5	57.0	1,417.7	419.8	13.9	886.7	2,462.9
1973-74	574.6	48.7	1,406.8	431.3	13.7	889.4	2,475.1
1974-75	589.4	26.7	1,734.3	406.6	10.2	1,030.1	2,767.1
1975-76	611.1	21.3	2,196.7	617.5	15.5	1,300.0	3,462.1
1976-77	586.5	2.0	2,875.3	638.2	17.6	1,608.8	4,119.6
1977-78	557.3	—	3,071.8	509.3	16.7	1,659.3	4,155.1
1978-79	508.6	—	3,306.0	558.3	17.9	1,769.8	4,391.3
1979-80	479.3	—	3,513.5	465.3	12.7	1,834.5	4,470.8
1980-81	436.2	—	3,384.2	347.4	18.9	1,758.7	4,186.7
1981-82	443.2	—	5,384.3	403.8	18.9	2,673.8	6,250.3
1982-83	477.7	—	6,019.9	290.0	37.2	2,938.8	6,824.8
1983-84	424.8	—	6,073.8	326.4	61.6	2,973.5	6,886.6
1984-85	454.0	—	6,687.9	409.2	77.2	3,291.7	7,629.0
1985-86	518.9	—	7,467.3	381.1	103.8	3,663.1	8,471.1
1986-87	534.4	—	9,576.6	389.5	92.3	4,635.8	10,592.8
1987-88	538.7	—	9,834.8	421.3	87.2	4,763.7	10,882.0
1988-89	610.1	—	11,867.1	480.2	96.7	5,728.8	13,054.1
1989-90	586.2	—	12,486.0	425.2	79.9	5,990.6	13,577.3
1990-91	557.5	—	12,835.9	435.9	78.8	6,148.0	13,908.1
1991-92	553.5	—	12,831.3	446.3	112.5	6,156.1	13,943.6
1992-93	563.2	—	13,125.9	545.5	122.2	6,320.9	14,356.8
1993-94	620.3	—	13,150.2	666.2	131.4	6,376.3	14,568.1
1994-95	584.8	—	14,137.1	571.9	136.5	6,800.6	15,430.3
1995-96	634.5	—	15,805.6	491.1	138.9	7,558.8	17,070.1
1996-97	665.6	—	15,628.7	388.5	122.1	7,454.0	16,804.9
1997-98	561.5	—	18,594.5	437.7	110.4	8,806.1	19,704.1
1998-99	550.6	—	19,292.2	466.4	63.4	9,120.3	20,372.6
1999-2000	592.4	—	19,807.7	318.2	87.5	9,335.0	20,805.8
2000-01	593.4	—	19,623.8	246.5	102.4	9,236.4	20,566.1
2001-02	574.7	—	19,003.1	180.7	81.5	8,925.4	19,840.0
2002-03	544.4	—	18,621.2	173.3	78.9	8,740.9	19,417.8
2003-04	600.7	—	19,038.3	141.2	77.8	8,936.1	19,858.0
2004-05	615.9	—	20,239.2	184.4	82.4	9,503.6	21,121.9
2005-06	619.3	—	20,085.1	172.8	79.8	9,429.9	20,957.0
2006-07	634.8	—	20,271.2	144.3	74.4	9,510.2	21,124.7
2007-08	483.1	—	19,838.8	134.6	—	9,259.0	20,456.5
2008-09	554.8	—	19,923.2	138.5	—	9,313.6	20,616.5
2009-10	620.8	—	21,120.7	102.7	—	9,869.1	21,844.2
2010-11	637.0	—	21,872.5	98.7	23.1	10,223.0	22,631.3
2011-12	595.4	—	21,992.3	115.0	78.4	10,287.4	22,781.1
2012-13	573.2	—	22,586.6	106.9	50.1	10,547.2	23,316.8
2013-14	624.1	—	22,718.7	44.4	7.7	10,592.2	23,394.9
2014-15	581.5	—	22,592.9	—	40.4	10,522.5	23,214.8
2015-16	560.1	—	24,461.3	—	45.6	11,379.0	25,067.0

\* For agricultural purposes only. b = These figures are for 20.5% N grade.

\*\* Net production or saleable urea. Excludes urea used for manufacture of complex fertilisers.

2.04 ALL INDIA PRODUCTION OF STRAIGHT PHOSPHATES 1951-52 to 2015-16 (April-March)							
Year	Single superphosphate of grade			Triple superphosphate of grade		Total	
	16% W.S. P <sub>2</sub> O <sub>5</sub>	Super- phosphate Other grades	Nutrient W.S. P <sub>2</sub> O <sub>5</sub>	46% W.S. P <sub>2</sub> O <sub>5</sub>	Nutrient W.S. P <sub>2</sub> O <sub>5</sub>	Nutrient P <sub>2</sub> O <sub>5</sub> (straight)	Product
1951-52*	61.3	—	9.8	—	—	9.8	61.3
1955-56*	77.3	—	12.4	—	—	12.4	77.3
1960-61*	327.4	—	52.4	—	—	52.4	327.4
1961-62*	392.0	—	62.7	—	—	62.7	392.0
1962-63	540.5	—	86.5	—	—	86.5	540.5
1963-64	637.4	6.1	103.1	—	—	103.0	643.5
1964-65	745.3	10.6	121.2	—	—	121.2	755.9
1965-66	664.1	—	106.2	—	—	106.2	664.1
1966-67	747.3	24.2	121.0	—	—	121.0	771.5
1967-68	949.1	31.3	157.5	0.6	0.2	157.7	981.0
1968-69	664.5	14.7	108.9	4.1	1.8	110.7	683.3
1969-70	609.0	12.4	99.4	7.5	3.4	103.2	629.3
1970-71	613.0	7.9	99.5	5.8	2.6	102.1	626.7
1971-72	773.0	2.6	124.2	7.7	3.5	127.6	783.3
1972-73	781.9	—	125.1	4.9	2.2	127.3	786.8
1973-74	773.3(10.0)	0.4	125.5	3.0	1.4	126.9	786.7
1974-75	822.8(12.3)	—	133.8	2.5	1.2	135.0	837.6
1975-76	461.3(1.6)	1.6	74.0	2.1	1.0	75.0	466.6
1976-77	779.3(1.8)	7.0	126.2	1.8	0.8	127.3	789.5
1977-78	987.6	—	158.0	7.2	3.3	161.3	994.8
1978-79	1,081.3	34.5#	177.8	19.6	9.0	186.8	1,135.4
1979-80	1,033.1	16.8#	167.7	22.4	10.3	178.0	1,072.3
1980-81	1,085.0	22.1#	176.7	41.5	20.0	196.7	1,150.8
1981-82	1,202.6	6.6#	193.3	48.0	22.1	215.4	1,257.2
1982-83	1,320.6	—	211.3	23.4	10.8	222.1	1,344.0
1983-84	1,491.7	—	238.7	21.1	9.7	248.4	1,512.8
1984-85	1,898.3	—	303.7	10.0	4.6	308.2	1,908.4
1985-86	2,136.1	—	341.8	1.1	0.5	342.3	2,137.2
1986-87	2,006.1	—	321.0	—	—	321.0	2,006.1
1987-88	2,483.5	—	397.4	—	—	397.4	2,483.5
1988-89	2,944.7	—	471.2	—	—	471.2	2,944.7
1989-90	3,137.8	—	502.1	—	—	502.1	3,137.8
1990-91	3,650.3	—	584.0	—	—	584.0	3,650.3
1991-92	2,984.8	—	477.6	—	—	477.6	2,984.8
1992-93	2,329.3	—	372.7	—	—	372.7	2,329.3
1993-94	2,257.2	—	361.2	—	—	361.2	2,257.2
1994-95	3,010.9	13.7#	483.7	—	—	483.7	3,024.6
1995-96	3,200.2	1.7#	512.3	—	—	512.3	3,201.9
1996-97	3,187.0	—	509.9	—	—	509.9	3,187.0
1997-98	3,832.5	—	613.2	—	—	613.2	3,832.5
1998-99	3,816.1	—	610.5	—	—	610.5	3,816.1
1999-2000	3,532.7	—	565.2	—	—	565.2	3,532.7
2000-01	2,742.2	—	438.8	—	—	438.8	2,742.2
2001-02	2,504.6	—	400.7	—	—	400.7	2,504.6
2002-03	2,407.7	—	385.2	—	—	385.2	2,407.7
2003-04	2,543.4	—	406.9	—	—	406.9	2,543.4
2004-05	2,461.1	—	393.8	—	—	393.8	2,461.1
2005-06	2,795.2	—	447.2	—	—	447.2	2,795.2
2006-07	2,972.0	—	475.5	—	—	475.5	2,972.0
2007-08	2,246.3	—	359.4	—	—	359.4	2,246.3
2008-09	2,533.6	—	405.4	—	—	405.4	2,533.6
2009-10	3,093.0	—	494.9	—	—	494.9	3,093.0
2010-11	3,712.8	—	594.0	—	—	594.0	3,712.8
2011-12	4,324.0	—	691.8	—	—	691.8	4,324.0
2012-13	4,434.9	—	709.6	—	—	709.6	4,434.9
2013-14	4,211.5	—	673.8	—	—	673.8	4,211.5
2014-15	4,229.6	—	676.7	—	—	676.7	4,229.6
2015-16	4,329.6	—	692.7	—	—	692.7	4,329.6

\* July-June basis.

( ) Pelotas.

# 14% W.S. P<sub>2</sub>O<sub>5</sub>.

**2.05 ALL INDIA PRODUCTION OF DAP AND NP/NPK COMPLEX FERTILISERS  
1960-61 to 2015-16 (April-March)**

('000 tonnes)

Year	NPs						NPKs							Total		Product
	28-28-0	24-24-0 23-23-0 <sup>l</sup> 24-24-0-8 <sup>M</sup>	20-20-0 13 (APS)	20-20-0 <sup>**</sup> (ANP)	DAP (18-46-0) 16-44-0 <sup>l</sup>	16-20-0 13 (APS)	19-19-19	17-17-17	15-15-15	14-35-14	14-28-14	12-32-16	10-26-26	Nutrients from NPs & NPKs		
														N @	P <sub>2</sub> O <sub>5</sub>	
1960-61*	—	—	—	—	—	6.7	—	—	—	—	—	—	—	1.1	1.3	6.7
1961-62*	—	—	—	—	—	13.2	—	—	—	—	—	—	—	2.1	2.6	13.2
1962-63	—	—	—	—	—	9.2	—	—	—	—	—	—	—	1.5	1.8	9.2
1963-64	—	—	—	—	—	28.4	—	—	—	—	—	—	—	4.5	4.7	28.4
1964-65	—	—	—	—	—	49.2	—	—	—	—	—	—	—	7.9	9.8	49.2
1965-66	—	—	—	16.4 <sup>a</sup>	—	52.1	—	—	—	—	—	—	—	11.0	12.6	68.5
1966-67	—	—	—	70.6 <sup>a</sup>	—	77.5	—	—	—	—	—	—	—	23.7	24.7	148.1
1967-68	—	—	—	70.5 22.4 <sup>a</sup> 3.7 <sup>d</sup>	27.7 <sup>b</sup>	92.4	—	—	—	—	—	—	—	28.6	49.4	216.7
1968-69	132.2	—	3.4	94.1	55.2 <sup>b</sup>	98.3	—	—	—	—	—	—	—	83.1	102.5	383.2
1969-70	207.4	—	27.2	22.2 87.7 <sup>d</sup>	44.7	87.1	—	—	—	—	—	—	50.9i	105.3	120.5	527.2
1970-71	159.7	—	60.2	4.1 20.2 <sup>c</sup>	55.5	88.1	—	—	59.4 56.1b	—	—	—	6.6i	106.9	125.9	509.9
1971-72	195.1	—	35.8	25.0 <sup>c</sup>	49.7	102.8	—	54.9	133.4 44.9d	3.1	12.7	—	—	141.8	162.7	662.4
1972-73	174.3	—	20.1	—	69.1	94.5	—	242.1	240.1	18.1	4.7b	—	—	167.8	203.0	858.7
1973-74	171.8	—	19.6	—	60.2	104.8	—	208.9	213.4	36.9	—	—	—	160.5	197.6	815.5
1974-75	136.9	—	23.8	—	67.5	119.7	—	226.4	213.5	28.2	—	16.0	14.4	156.5	196.3	846.4
1975-76	181.1	95.4	30.2 16.3 <sup>o</sup>	12.7 22.3 <sup>q</sup>	52.9 20.1 <sup>r</sup>	113.1	15.3	282.1	180.1	12.2	—	72.3	3.1 8.7f	298.0	244.7	1117.9
1976-77	244.1	5.0	33.0 9.7 <sup>o</sup>	50.9 29.9 <sup>q</sup>	87.0 0.1 <sup>r</sup>	101.7	61.4	261.9	182.4	44.9	5.0	247.5	54.9	253.6	351.3	1419.4
1977-78	807.6	38.3	40.1 <sup>h</sup>	15.8 15.8 <sup>q</sup>	195.1	124.9	87.7	414.8	213.6	19.8	20.0	392.2	108.9	340.5	508.6	2494.6
1978-79	338.2	28.0	42.7 <sup>h</sup>	128.4	229.0	119.9	66.5	472.2	265.6	18.0	42.1	484.4	78.6	403.2	591.2	2313.6
1979-80	261.5	25.7	40.6	199.8	263.4	125.2	68.8	412.5	255.5	55.2	36.8	453.3	56.8	389.8	585.1	2255.1
1980-81	222.3	35.1	3.8	247.7 <sup>h</sup>	256.2	109.8	25.2	577.1	263.1	61.9	60.8	498.8	123.4	405.2	644.8	2517.2
1981-82	297.3	35.4	43.8	255.2 <sup>h</sup>	277.9	105.0	115.7	602.8	283.1	33.7	44.7	661.5	111.1	469.5	734.6	2867.2
1982-83	244.2	13.1	126.3	230.7 <sup>h</sup>	461.0	98.9	140.0	583.3	246.1	44.1	20.3	554.7	92.8	490.9	761.6	2855.5
1983-84	269.5	4.1	201.7	267.6 <sup>h</sup>	722.6	128.5	156.1	493.3	269.8	7.6	8.6	304.2	108.5	513.0	815.7	2942.4
1984-85	267.6	4.9	396.5	268.5 <sup>h</sup>	894.2	57.4	117.5	574.8	273.8	29.2	31.9	443.2	204.9	625.6	1009.7	3564.4
1985-86	288.9	—	452.0	250.5 <sup>h</sup>	891.9	60.1	186.0	509.1	265.3	21.7	23.0	598.4	290.6	659.8	1087.8	3837.5
1986-87	259.0	—	512.5	298.0 <sup>h</sup>	1562.7	70.9	172.3	572.3	264.6	14.6	21.2	382.4	259.9	776.4	1340.9	4390.4
1987-88	263.2	—	513.1	289.5 <sup>h</sup>	1676.6	66.1	142.3	328.4	339.9	9.5	5.1	169.1	215.0	702.9	1268.0	4011.8
1988-89	325.2	—	578.7	310.2 <sup>h</sup>	2513.6	88.2	168.9	617.8	362.8	6.1	3.4	252.0	235.3	983.6	1781.3	5462.2
1989-90	335.5	—	444.1	307.0 <sup>h</sup>	1550.0	94.2	165.4	413.3	362.8	12.9	—	273.0	257.0	756.8	1293.2	4215.2

(Continued)

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**2.05 ALL INDIA PRODUCTION OF DAP AND NP/NPK COMPLEX FERTILISERS  
1960-61 to 2015-16 (April-March) (Concluded)**

('000 tonnes)

Year	NPs						NPKs						Total			
	28-28-0	24-24-0 <sup>d</sup> 23-23-0 <sup>f</sup> 24-24-0-8 <sup>m</sup>	20-20-0 13 (APS)	20-20-0 <sup>a</sup> (ANP)	18-46-0 (DAP) 16-44-0 <sup>l</sup>	16-20-0 13 (APS)	19-19-19	17-17-17	15-15-15	14-35-14	14-28-14	12-32-16	10-26-26	Nutrients from NPs & NPKs		Product
														N @	P <sub>2</sub> O <sub>5</sub>	
1990-91	334.1	21.0 <sup>d</sup>	528.2	267.3 <sup>a</sup>	1904.9	72.5	217.2	456.5	370.2	22.0	—	197.2	282.0	845.1	1467.1	4673.4
1991-92	382.0	140.9 <sup>d</sup>	652.7	276.5 <sup>a</sup>	2873.6	103.2	174.8	695.1	336.2	18.8	55.0	323.5	335.2	1145.4	2084.0	6367.5
1992-93	343.2	166.4 <sup>d</sup>	782.5	290.2 <sup>a</sup> 77.4 <sup>n</sup>	2598.8	104.7	122.9	690.4	351.5	29.7	—	275.1	281.5	1109.7	1948.1	6114.2
1993-94	283.0	10.2 <sup>d</sup>	749.9	267.2 <sup>a</sup> 133.0 <sup>n</sup>	1951.5	92.9	129.5	483.7	303.1	10.6	—	193.3	251.0	854.9	1513.1	4858.9
1994-95	326.5	67.6 <sup>d</sup>	968.2	253.4 <sup>a</sup> 149.3 <sup>n</sup>	2820.1	142.4	153.7	650.2	240.2	19.9	—	353.4	262.9	1160.6	2072.8	6407.8
1995-96	266.0	144.2 <sup>d</sup>	1211.2	238.0 <sup>a</sup> 150.5 <sup>n</sup>	2645.3	175.4	173.6	724.1	303.4	32.3	—	360.2	272.1	1210.0	2080.3	6696.4
1996-97	232.5	163.3 <sup>d</sup>	874.0	249.0 <sup>a</sup> 137.5 <sup>n</sup>	2765.2	167.9	153.5	436.1	351.5	109.7	184.0	338.2	200.6	1139.1	2068.7	6363.0
1997-98	147.7	184.9 <sup>d</sup>	854.6	246.7 <sup>a</sup> 155.7 <sup>n</sup>	3665.6	200.1	156.2	430.9	331.7	135.6	17.6	362.1	302.4	1276.9	2462.9	7191.8
1998-99	175.9	176.7 <sup>d</sup>	900.1	241.5 <sup>a</sup> 150.8 <sup>n</sup>	3864.4	214.3	79.4	684.0	354.6	114.6	26.2	352.1	303.3	1357.0	2594.3	7637.8
1999-2000	166.3	190.0 <sup>d</sup>	1195.0	311.7 <sup>a</sup> 155.7 <sup>n</sup>	3860.8	232.5	131.1	799.5	410.4	193.2	11.8	507.9	688.2	1538.2	2882.5	8854.1
2000-01	247.8	144.2 <sup>d</sup>	1384.3	251.8 <sup>a</sup> 159.2 <sup>n</sup>	4881.5	198.0	252.9	622.8	300.2	153.7	15.0	493.3	507.1	1706.5	3295.4	9611.8
2001-02	225.0	184.8 <sup>d</sup>	1400.2	434.5 <sup>a</sup>	5091.2	196.3	286.9	507.3	351.4	141.8	5.7	547.2	619.5	1764.1	3436.6	9991.7
2002-03	175.3	164.2 <sup>d</sup>	1428.7	424.3 <sup>a</sup>	5235.6	194.0	281.4	360.7	303.8	218.4	10.2	670.2	629.9	1766.7	3522.5	10096.7
2003-04	292.5	150.1 <sup>d</sup>	1185.7	356.6 <sup>a</sup>	4708.7	110.8	313.0	335.9	296.5	197.5	—	793.9	474.5	1620.7	3219.7	9215.8
2004-05	329.9	73.5 <sup>d</sup>	1297.0	403.0 <sup>a</sup>	5172.3	117.2	280.2	315.7	355.1	346.3	—	978.2	762.5	1801.3	3644.6	10430.8
2005-06	410.4	55.2 <sup>d</sup>	1633.2	426.4 <sup>a</sup>	4554.3	181.3	326.5	205.5	443.2	315.7	—	1518.8	1248.9	1903.1	3755.4	11319.3
2006-07	361.6	66.0 <sup>d</sup>	2246.0	234.3 <sup>a</sup>	4713.1	178.1	305.8	57.1	482.8	400.7	—	1550.2	1430.2	2014.7	3964.5	12025.7
2007-08	390.3	31.4 <sup>d</sup>	1292.2	193.4 <sup>a</sup>	4211.0	150.6	250.1	35.2	468.2	61.0	—	989.1	1971.1	1643.8	3354.9	10043.6
2008-09	203.7	57.0 <sup>d</sup>	2442.9	134.0 <sup>a</sup>	2992.5	159.2	33.0	—	471.0	151.9	—	885.0	2325.9	1586.6	3011.9	9856.1
2009-10	291.9	100.3 <sup>d</sup>	3233.9	183.7 <sup>a</sup>	4246.1	215.7	—	—	490.0	659.8	—	676.8	2206.8	2054.9	3879.4	12305.1
2010-11	143.7	26.2 <sup>d</sup> 99.0 <sup>d</sup>	2777.3	324.2 <sup>a</sup>	3541.2	262.4	—	—	494.0	657.4	—	1104.3	2871.7	1955.6	3777.2	12305.8
2011-12	288.4	178.0 <sup>d</sup>	3056.1	388.0 <sup>a</sup>	3951.3	255.1	18.4	7.6	506.0	274.3	248.2	1224.8	1357.1	2000.9	3671.9	11753.3
2012-13	264.1	184.5 <sup>d</sup>	2406.3	336.2 <sup>a</sup>	3646.8	185.9	8.0	100.1	480.3	191.0	-	734.1	1317.8	1690.1	3116.4	9855.2
2013-14	371.4	242.8 <sup>d</sup> 2.5 <sup>m</sup>	2669.9	373.1 <sup>a</sup>	3628.2	181.7	91.1	65.5	338.1	138.5	-	854.2	1617.1	1816.4	3298.2	10574.2
2014-15	449.0	39.0 <sup>d</sup> 30.7 <sup>m</sup>	3008.7	466.5 <sup>a</sup>	3445.4	81.3	78.3	82.6	420.0	240.2	-	1083.0	1850.0	1911.2	3442.2	11274.7
2015-16	429.5	159.6 <sup>d</sup> 11.9 <sup>m</sup>	3513.4	384.5 <sup>a</sup>	3821.8	135.6	94.2	73.0	461.4	269.7	-	1217.1	1629.3	2096.9	3733.1	12201.0
a Grade 19-13-0	b Other grades	c Grade 18-18-9	d Grade 18-9-9	e Grade 20-48-0	f Grade 19.5-19.5-0	g APSN 20-20-0	h Grade 20-20-0									
i Grade 22-22-11	J 23-23-0 (nitrophos)	K 20-20-0 (ANP)	L DAP Lite (16-44-0)	M 24-24-0-8			* July-June basis									
** Nitrophosphate			# 20.7-20.7-0 (nitrophos)			@ For agricultural purposes only.										

2.06 ALL INDIA PRODUCTION OF SULPHUR CARRYING FERTILISERS (1990-91 to 2015-16)					
Year	A/S (20.6% N & 23% S)	Amm.phosphate Sulphate		SSP (16% P & 11% S)	Total 'S'
		(16% N, 20% P & 13% S)	(20% N, 20% P & 13% S)		
1990-91	557.5	72.5	528.2	3,650.3	607.8
1991-92	553.5	103.2	652.7	2,984.8	553.9
1992-93	563.2	104.7	782.5	2,329.3	501.1
1993-94	620.3	92.9	749.9	2,257.2	500.5
1994-95	584.8	142.4	968.2	3,024.6	611.6
1995-96	634.5	175.4	1,211.2	3,201.9	678.4
1996-97	665.6	167.9	874.0	3,187.0	639.1
1997-98	561.5	200.1	854.6	3,832.5	687.8
1998-99	550.6	214.3	900.1	3,816.1	691.3
1999-2000	592.4	232.5	1,195.0	3,532.7	710.4
2000-01	593.4	198.0	1,384.3	2,742.2	643.8
2001-02	574.7	196.3	1,400.2	2,504.6	615.2
2002-03	544.4	194.0	1,423.5	2,407.7	600.3
2003-04	600.7	110.8	1,134.7	2,543.4	579.9
2004-05	615.9	117.2	1,267.7	2,461.1	592.4
2005-06	619.3	181.3	1,633.2	2,795.2	685.8
2006-07	634.8	178.1	2,246.0	2,972.0	788.1
2007-08	483.1	150.6	1,292.2	2,246.3	545.8
2008-09	554.8	159.2	2,442.9	2,533.6	744.6
2009-10	620.8	215.7	3,233.9	3,093.0	931.5
2010-11	637.0	262.4	2,777.3	3,712.8	950.1
2011-12	595.4	255.1	3,056.1	4,324.0	1043.0
2012-13	573.2	185.9	2,406.3	4,434.9	956.7
2013-14	624.1	181.7	2,669.9	4,211.5	977.5
2014-15	581.2	81.3	3,008.7	4,229.6	1000.6
2015-16	560.1	135.6	3,513.4	4,329.6	1079.4

**2.07 STATEWISE PRODUCTION OF FERTILISERS — PRODUCT-WISE AND NUTRIENT-WISE  
2015-16 (April-March)**

('000 tonnes)

Zone/State	Ammonium sulphate (20.6% N)	Urea (46% N)	Calcium ammonium nitrate (25% N)	Ammonium chloride (25% N)	16-20-0-13 <sup>1</sup> 20-20-0-13 <sup>2</sup> (APS)	20-20-0 <sup>1</sup> (ANP) 14-28-14 <sup>2</sup> 24-24-0-8 <sup>3</sup>	28-28-0 <sup>1</sup> 14-35-14 <sup>2</sup>	15-15-15 <sup>1</sup> 24-24-0 <sup>2</sup>	10-26-26 <sup>1</sup> 19-19-19 <sup>2</sup>	12-32-16 <sup>1</sup> 17-17-17 <sup>2</sup>	DAP (18-46-0)	Single super phosphate (16% P <sub>2</sub> O <sub>5</sub> )	Total	
													N*	P <sub>2</sub> O <sub>5</sub>
<b>East</b>	<b>59.6</b>	<b>320.9</b>	-	-	<b>1332.3<sup>2</sup></b>	-	-	-	<b>393.3<sup>1</sup></b>	<b>104.4<sup>1</sup></b>	<b>1707.1</b>	<b>465.6</b>	<b>785.5</b>	<b>1261.8</b>
Assam	-	320.9	-	-	-	-	-	-	-	-	-	37.3	147.6	6.0
Bihar	-	-	-	-	-	-	-	-	-	-	-	0.7	-	-
Jharkhand	29.0	-	-	-	-	-	-	-	-	-	-	-	6.0	-
Odisha	5.3	-	-	-	1228.4 <sup>2</sup>	-	-	-	135.0 <sup>1</sup>	52.8 <sup>1</sup>	1614.2	-	557.1	1040.2
West Bengal	25.4	-	-	-	103.9 <sup>2</sup>	-	-	-	258.2 <sup>1</sup>	51.7 <sup>1</sup>	93.0	427.7	74.8	215.6
<b>North</b>	-	<b>9867.7</b>	-	-	-	-	-	-	-	-	-	<b>274.3</b>	<b>4539.1</b>	<b>43.9</b>
Haryana	-	567.0	-	-	-	-	-	-	-	-	-	46.2	260.8	7.4
Punjab	-	1094.8	-	-	-	-	-	-	-	-	-	-	503.6	-
Uttar Pradesh	-	8205.9	-	-	-	-	-	-	-	-	-	228.1	3774.7	36.5
<b>South</b>	<b>128.8</b>	<b>2748.8</b>	-	<b>45.6</b>	<b>135.6<sup>1</sup></b> <b>1852.7<sup>2</sup></b>	<b>11.9<sup>3</sup></b>	<b>429.5<sup>1</sup></b> <b>269.7<sup>2</sup></b>	-	<b>251.4<sup>1</sup></b>	<b>73.0<sup>2</sup></b>	<b>664.2</b>	<b>449.1</b>	<b>2012.6</b>	<b>1070.4</b>
Andhra Pradesh	49.2	1341.6	-	-	-	11.9 <sup>3</sup>	429.5 <sup>1</sup>	-	251.4 <sup>1</sup>	-	287.9	223.5	1060.0	646.0
Telangana	-	-	-	-	942.0 <sup>2</sup>	-	269.7 <sup>2</sup>	-	-	38.2 <sup>2</sup>	-	-	-	-
Karnataka	-	379.5	-	-	2.2 <sup>1</sup>	-	-	-	-	-	110.4	32.3	213.3	75.0
Kerala	79.6	-	-	-	92.7 <sup>2</sup>	-	-	-	-	-	-	-	121.9	105.5
Tamil Nadu	-	1027.7	-	45.6	133.4 <sup>1</sup>	-	-	-	-	34.8 <sup>2</sup>	265.9	182.9	617.4	242.3
					290.6 <sup>2</sup>									
<b>West</b>	<b>371.7</b>	<b>11524.0</b>	-	-	<b>328.4<sup>2</sup></b>	<b>384.5<sup>1</sup></b>	-	<b>461.4<sup>1</sup></b> <b>159.6<sup>2</sup></b>	<b>984.6<sup>1</sup></b> <b>94.2<sup>2</sup></b>	<b>1112.7<sup>1</sup></b>	<b>1450.4</b>	<b>3140.6</b>	<b>6138.7</b>	<b>2049.7</b>
Gujarat	341.3	3921.1	-	-	328.4 <sup>2</sup>	209.2 <sup>1</sup>	-	-	668.0 <sup>1</sup>	1015.5 <sup>1</sup>	1314.2	344.1	2406.8	1265.8
Madhya Pradesh	-	2135.6	-	-	-	-	-	-	-	-	-	829.6	982.4	132.7
Chhattisgarh	30.4	-	-	-	-	-	-	-	-	-	-	137.1	6.3	21.9
Maharashtra	-	2541.9	-	-	-	175.4 <sup>1</sup>	-	461.4 <sup>1</sup>	-	-	-	698.9	1311.8	254.4
								159.6 <sup>2</sup>						
Rajasthan	-	2525.8	-	-	-	-	-	-	-	-	-	1130.9	1161.9	180.9
Goa	-	399.6	-	-	-	-	-	-	316.6 <sup>1</sup>	97.3 <sup>1</sup>	136.2	-	269.6	194.0
									94.2 <sup>2</sup>					
<b>ALL INDIA</b>	<b>560.1</b>	<b>24461.3</b>	-	<b>45.6</b>	<b>135.6<sup>1</sup></b> <b>3513.4<sup>2</sup></b>	<b>11.9<sup>3</sup></b>	<b>429.5<sup>1</sup></b> <b>269.7<sup>2</sup></b>	<b>461.4<sup>1</sup></b> <b>159.6<sup>2</sup></b>	<b>1629.3<sup>1</sup></b> <b>94.2<sup>2</sup></b>	<b>1217.1<sup>1</sup></b> <b>73.0<sup>2</sup></b>	<b>3821.8</b>	<b>4329.6</b>	<b>13475.9</b>	<b>4425.8</b>

\* = Excluding nitrogen produced for non-agricultural purposes.

Note: Totals may not exactly tally due to rounding of figures.

1-53

## 3.00 IMPORT OF FERTILISERS

3.01 IMPORT OF FERTILISER PRODUCTS—1980-81 to 2015-16 (April-March)													
Year	Ammonium Sulphate (20.6% N)	Urea (46% N)	CAN (26% N)	DAP (18-46-0)	NP/NPKs (TSP:0-46-0)	MOP (60% K <sub>2</sub> O)	SOP (50% K <sub>2</sub> O)	Total product	Total nutrient (Quantity in '000 tonnes)				
									N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	(N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O)	
1980-81	20.0	2,848.0	73.5	982.8	—	1,309.8	21.8	5,255.9	1,510.2	452.1	796.8	2,759.1	
1984-85	51.0	3,686.0	42.0	1,620.0	—	1,425.0	32.0	6,856.0	2,008.6	745.2	871.0	3,624.8	
1985-86	—	2,827.9	—	1,749.6	—	1,489.6	—	6,067.1	1,615.8	804.8	893.8	3,314.4	
1986-87	—	2,165.9	—	607.2	—	1,469.2	16.2	4,258.5	1,105.6	279.3	889.6	2,274.5	
1987-88	—	380.1	—	—	—	1,340.0	10.2	1,730.3	174.8	—	809.1	983.9	
1988-89	—	111.0	—	856.0 45.0* 30.0@	—	1,626.0	13.6	2,681.6	218.8	407.4	989.2	1,615.4	
1989-90	—	—	\$	2,815.0 109.0*	—	2,082.0	25.0	5,031.0	523.1	1,311.3	1,278.1	3,112.5	
1990-91	—	—	—	2,155.0 106.0* 50.0@@	—	2,120.0	59.0	4,490.0	412.3	1,015.7	1,325.9	2,753.9	
1991-92	—	391.0	—	2,077.0 73.0@@	—	2,040.0	—	4,581.0	566.1	967.8	1,236.4	2,770.3	
1992-93	—	1,857.0	—	1,533.0 130.0@@	—	1,761.0	5.0	5,286.0	1,152.3	727.3	1,081.2	2,960.8	
1993-94	—	2,840.0	—	1,569.0	—	1,428.0	11.3	5,848.3	1,588.8	721.7	862.5	3,173.0	
1994-95	8.0	2,884.0	—	792.0 21.4 <sup>s</sup>	—	2,120.0	19.3	5,844.7	1,473.2	376.1	1,281.7	3,131.0	
1995-96	—	3,782.0	—	1,475.5 29.0 <sup>c</sup>	—	2,356.2	6.0	7,648.7	2,008.2	686.3	1,424.3	4,118.8	
1996-97	—	2,328.0	—	475.0	—	1,100.9	12.0	3,915.9	1,156.4	218.5	666.5	2,041.4	
1997-98	—	2,389.0	—	1,536.0 17.9 <sup>s</sup>	—	2,380.4	18.1	6,341.4	1,377.4	715.9	1,437.3	3,530.6	
1998-99	97.0	556.0	—	2,091.1 44.0 <sup>s</sup>	—	2,579.8	20.5	5,388.4	657.0	984.8	1,558.1	3,199.9	
1999-2000	79.0	533.0	—	3,268.0 56.0 <sup>s</sup>	—	2,946.1	12.5	6,894.6	855.9	1,534.1	1,773.9	4,163.9	
2000-01	—	—	—	861.0 78.1 <sup>s</sup>	—	2,646.0	12.8	3,597.9	163.6	436.7	1,594.0	2,194.3	
2001-02	—	220.0	—	932.7 125.2 <sup>s</sup>	—	2,810.2	22.2	4,110.3	282.9	494.3	1,697.2	2,474.4	
2002-03	—	119.4**	—	383.2 99.9 <sup>s</sup>	—	2,603.2	13.0	3,099.3	134.9	228.2	1,568.4	1,931.5	
2003-04	—	143.1**	—	734.1 65.0 <sup>s</sup>	—	2,579.3	10.5	3,388.9	205.1	371.5	1,552.8	2,129.4	
2004-05	—	641.0	—	643.6 21.6 <sup>s</sup>	—	3,409.5	25.2	4,740.9	413.1	307.3	2,058.3	2,778.7	
2005-06	—	2,056.8	—	2437.7 45.0 <sup>s</sup>	—	4,577.5	35.1	9,152.1	1,389.9	1,144.7	2,764.1	5,298.7	
2006-07	24.8	4,718.8	—	2875.4 97.2 <sup>s</sup>	—	3,448.4	13.1	11,177.7	2,704.0	1,373.2	2,075.6	6,152.8	
2007-08	—	6,928.0	5.0	2723.6 266.0 <sup>s</sup>	—	4,420.8	31.6	14,375.0	3,707.6	1,391.2	2,668.3	7,767.1	
2008-09	23.0	5,667.0	2.5	6191.7 266.9 <sup>s</sup>	—	5,671.7	27.3	18,023.2	3,756.0	3,066.6	3,416.7	10,239.3	
2009-10	35.6	5,210.0	11.5	5888.9 193.4 <sup>s</sup>	(173.1)	5,286.5	37.1	16,750.0	3,488.1	2,849.5	3,190.4	9,528.0	
2010-11	26.0	6,610.0	-	7411.0 188.0 <sup>s</sup>	980.6 (98.0)	6,357.0	36.0	21,706.6	4,569.6	3,738.7	3,899.5	12,207.7	
2011-12	36.0	7,834.0	-	6905.2 493.7 <sup>s</sup>	3674.5 (159.7)	3,984.6	54.0	23,141.7	5,577.6	4,263.6	2,557.8	12,399.0	
2012-13	1.4	8,044.0	-	5702.3 152.2 <sup>s</sup>	404.6 (-)	2,496.1	29.5	16,830.1	4,801.0	2,797.2	1,573.7	9,172.0	
2013-14	2.9	7,088.0	-	3261.1 38.6 <sup>s</sup>	361.6 (-)	3,180.0	57.5	13,989.7	3,920.3	1,588.2	1,954.4	7,462.8	
2014-15	155.3	8,749.0	-	3853.0 136.0 <sup>s</sup>	291.0 (-)	4,197.0	78.0	17,459.3	4,813.0	1,902.9	2,588.0	9,303.9	
2015-16 (P)	50.9	8,474.0	-	6008.0 22.0 <sup>s</sup>	629.0 (-)	3,243.0	45.4	18,472.3	5,081.3	2,899.5	2,075.9	10,056.7	

£ = 10-26-26      @ = 23-23-0      \* = 15-15-15      @@ = 17-17-17      (P) = Provisional  
 \*\* = Used for manufacture of complex fertilisers.      \$ = Mono ammonium phosphate (11-52-0).      ( ) = TSP.

Source: 1. Dept. of Fertilizers, Ministry of Chemicals & Fertilizers, G.O.I., New Delhi.  
 2. Export Import Data Bank, Deptt. of Commerce, Ministry of Commerce & Industry, GOI.  
 3. Importers of Fertilisers.

3.02 IMPORT OF NITROGENOUS FERTILISERS						
2010-11 to 2015-16						
						(000 tonnes)
Product and origin of import	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16 (P)
<b>Ammonium Sulphate (20.6% N)</b>						
Belgium	—	—	—	—	—	—
China	—	36	1.3	2.8	155.2	50.6
South Korea	26	—	—	—	—	—
Others	—	—	0.1	0.1	0.1	0.3
<b>Total</b>	<b>26</b>	<b>36</b>	<b>1.4</b>	<b>2.9</b>	<b>155.3</b>	<b>50.9</b>
<b>Calcium Ammonium Nitrate (25% N)</b>						
Belgium	—	—	—	—	—	—
<b>Total</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Urea (46% N)</b>						
Bahrain	142	88	—	—	—	—
Bangladesh	—	—	—	—	—	—
China	2507	1280	3767	2947	6634	4239
CIS, out of which	292	1303	707	50	—	118
<i>Russia</i>	—	195	—	50	—	—
<i>Ukraine</i>	—	—	—	—	—	118
Egypt	—	—	—	—	—	—
Indonesia	124	106	63	111	—	—
Iran	1112	1997	1576	1649	652	1653
Kuwait	—	102	—	—	—	86
Lithuania	—	44	—	—	—	63
Malaysia	—	15	—	—	—	—
Qatar	—	133	—	—	—	—
Oman	2366	2415	1890	2331	1463	2315
Romania	—	94	—	—	—	—
Saudi Arabia	43	117	—	—	—	—
UAE	24	47	—	—	—	—
Vietnam	—	93	41	—	—	—
<b>Total</b>	<b>6610</b>	<b>7834</b>	<b>8044</b>	<b>7088</b>	<b>8749</b>	<b>8474</b>
(P) = Provisional.						
Source: 1. Deptt. of Fertilizers, Ministry of Chemicals & Fertilizers, G.O.I., New Delhi.						
2. <i>Export Import Data Bank</i> , Deptt. of Commerce, Ministry of Commerce & Industry, GOI.						
3. Importers of Fertilisers.						

3.03 IMPORT OF COMPLEX AND PHOSPHATIC FERTILISERS 2010-11 to 2015-16						
Product and origin of import	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16 (P)
<b>DAP (18-46-0)</b>						
Australia	84	106	44	—	—	—
Canada	—	83	—	—	—	—
China	2525	2427	2533	1717	1906	3484
CIS, out of which	779	619	119	—	—	304
<i>Russia</i>	703	589	119	—	—	304
<i>Ukraine</i>	53	28	—	—	—	—
Estonia	—	—	33	—	—	—
Jordan	606	458	279	130	302	81
Korea	51	—	—	—	—	—
Lithuania	224	266	—	—	—	—
Morocco	345	609	622	—	—	—
Mexico	196	—	—	—	—	—
Saudi Arabia	—	277	1041	706	1186	1448
Turkey	25	—	—	—	—	—
Tunisia	132	—	—	—	—	—
Vietnam	11	—	—	—	—	—
U.S.A.	2430	2060	1031	708	459	691
Others	3	—	—	—	—	—
<b>Total</b>	<b>7411</b>	<b>6905</b>	<b>5702</b>	<b>3261</b>	<b>3853</b>	<b>6008</b>
<b>Mono Ammonium Phosphate (11-52-0)</b>						
China	34	360	152	39	136	22
Estonia	—	38	—	—	—	—
Iran	1	—	—	—	—	—
CIS, out of which	153	96	—	—	—	—
<i>Russia</i>	137	51	—	—	—	—
South Africa	—	—	—	—	—	—
Thailand	—	—	—	—	—	—
<b>Total</b>	<b>188</b>	<b>494</b>	<b>152</b>	<b>39</b>	<b>136</b>	<b>22</b>
<b>Triple Super Phosphate (0-46-0)</b>						
China	72	160	—	—	—	—
Israel	26	—	—	—	—	—
<b>Total</b>	<b>98</b>	<b>160</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
(P) = Provisional.						
Source: 1. Dept. of Fertilizers, Ministry of Chemicals & Fertilizers, G.O.I., New Delhi. 2. Importers of Fertilisers.						

3.04 IMPORT OF NP/NPK COMPLEX FERTILISERS								
2010-11 to 2015-16								
(A) 2010-11								
(' 000 tonnes)								
Product and origin	10-26-26	15-15-15	16-16-16	16-20-0	16-20-0-13	20-20-0	20-20-0-13	Total
China	36.9	—	71.4	21.0	121.3	33.7	324.6	608.9
Estonia	—	—	141.0	—	—	—	—	141.0
Indonesia	—	—	—	—	—	—	51.0	51.0
Israel	—	—	—	—	26.0	—	—	26.0
Latvia	—	—	—	—	20.0	—	—	20.0
Russia	27.1	—	—	—	—	—	—	27.1
Ukraine	—	44.2	62.5	—	—	—	—	106.7
<b>Total</b>	<b>64.0</b>	<b>44.2</b>	<b>274.8</b>	<b>21.0</b>	<b>167.3</b>	<b>33.7</b>	<b>375.6</b>	<b>980.6</b>
(B) 2011-12								
(' 000 tonnes)								
Product and origin	10-26-26	12-32-16	16-16-16 <sup>1</sup>	15-15-15-09	16-20-0-13	20-20-0	20-20-0-13	Total
China	66.0	25.4	261.3 <sup>2</sup>	24.5	310.6	2,400.4	225.7	3,313.9
Estonia	65.9	-	-	-	-	-	-	65.9
Korea	-	25.1	-	-	-	-	-	25.1
Russia	200.8	-	-	-	-	-	-	200.8
Ukraine	-	-	60.0 <sup>1</sup>	-	-	-	-	60.0
USA	-	-	-	-	-	8.8	-	8.8
<b>Total</b>	<b>332.7</b>	<b>50.5</b>	<b>60.0<sup>1</sup></b>	<b>24.5</b>	<b>310.6</b>	<b>2,409.2</b>	<b>225.7</b>	<b>3,674.5</b>
(C) 2012-13								
(' 000 tonnes)								
Product and origin	10-26-26				20-20-0	20-20-0-13		
China	-				18.7	116.9		
Estonia	98.5				-	-		
Korea	-				-	33.0		
Russia	137.5				-	-		
<b>Total</b>	<b>236.0</b>				<b>18.7</b>	<b>149.9</b>		
(D) 2013-14								
(' 000 tonnes)								
Product and origin	20-20-0		20-20-0-13		16-16-16			
China	94.0		-		-			
Estonia	-		-		110.0			
Indonesia	-		157.6		-			
<b>Total</b>	<b>94.0</b>		<b>157.6</b>		<b>110.0</b>			
(E) 2014-15								
(' 000 tonnes)								
Product and origin	20-20-0-13		10-26-26		16-16-16			
China	-		-		72.0			
Estonia	145.0		-		-			
Russia	-		74.0		-			
<b>Total</b>	<b>145.0</b>		<b>74.0</b>		<b>72.0</b>			
(F) 2015-16								
(' 000 tonnes)								
Product and origin	20-20-0-13	15-15-15	15-15-15-09	10-26-26	16-16-16			
China	58.0	-	-	-	-			
Estonia	-	-	66.0	-	138.0			
Russia	27.0	93.0	25.0	222.0	-			
<b>Total</b>	<b>85.0</b>	<b>93.0</b>	<b>91.0</b>	<b>222.0</b>	<b>138.0</b>			
Source: Dept. of Fertilizers, Ministry of Chemicals & Fertilizers, G.O.I., New Delhi.								

3.05 IMPORT OF POTASSIC FERTILISERS 2010-11 to 2015-16						
('000 tonnes)						
Product and origin of import	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16 (P)
<b>Muriate of Potash (60% K<sub>2</sub>O)</b>						
Canada	985	559	239	735	791	499
Chile	41	—	—	—	—	—
China	—	84	—	—	—	—
CIS, out of which	2,545	1,550	1,188	1,040	1,647	1,369
<i>Russia</i>	967	1106	1015	772	1360	912
<i>Ukraine</i>	—	108	62	—	—	—
Germany	143	110	89	211	120	106
Israel	1,394	893	565	635	617	400
Jordan	969	398	235	330	553	378
Latvia	—	227	39	108	—	—
Lithuania	199	140	74	31	469	491
Saudi Arabia	—	—	67	66	—	—
Spain	81	25	—	24	—	—
<b>Total</b>	<b>6,357</b>	<b>3,985</b>	<b>2,496</b>	<b>3,180</b>	<b>4,197</b>	<b>3,243</b>
<b>Sulphate of Potash (50% K<sub>2</sub>O)</b>						
Belgium	—	2	2	1	3	4
China	1	3	Neg.	0.2	4	5
Germany	30	32	13	37	50	17
Jordan	1	10	1	7	5	4
Korea	—	2	1	1	1	2
Taiwan	—	—	13	7	9	8
Others	4	5	1	4	6	5
<b>Total</b>	<b>36</b>	<b>54</b>	<b>30</b>	<b>58</b>	<b>78</b>	<b>45</b>
(P) = Provisional.						
Source: 1. Dept. of Fertilizers, Ministry of Chemicals & Fertilizers, G.O.I., New Delhi.						
2. Importers of Fertilizers.						
3. <i>Export Import Data Bank</i> , Deptt. of Commerce, Ministry of Commerce & Industry, GOI.						
3.06 (a) TRAFFIC OF FERTILISERS HANDLED AT VARIOUS PORTS - 2013-14						
('000 tonnes)						
Port	Urea	DAP	MAP	NP/NPKs	MOP	Total
Chennai	55	-	-	-	88	143
Cochin	-	-	-	-	36	36
Gangavaram	375	276	-	110	236	997
Haldia	-	-	-	-	112	112
Hazira	259	-	-	-	-	259
Kakinada	709	358	-	54	447	1,568
Kandla	629	936	-	-	810	2,375
Karaikal	278	48	-	-	57	383
Krishnapatnam	1,125	66	39	78	63	1,371
MBPT	-	-	-	-	28	28
Murmugao	-	-	-	-	155	155
Mumbai	-	21	-	-	64	85
Mundra	1,830	925	-	-	101	2,856
New-Mangalore	242	22	-	-	229	493
Paradeep	108	-	-	-	144	252
Pipavav	713	-	-	-	-	713
Rozy	-	279	-	-	-	279
Tuticorin	155	-	-	26	227	408
Vizag	610	330	-	94	383	1,417
<b>Total</b>	<b>7,088</b>	<b>3,261</b>	<b>39</b>	<b>362</b>	<b>3,180</b>	<b>13,930</b>
Note: Total excludes Ammonium Sulphate, SOP and TSP wherever applicable.						
(P) = Provisional. Source: Dept. of Fertilizers, Ministry of Chemicals & Fertilizers, G.O.I., New Delhi.						



3.06 (b) TRAFFIC OF FERTILISERS HANDLED AT VARIOUS PORTS - 2014-15						
('000 tonnes)						
Port	Urea	DAP	MAP	NP/NPKs	MOP	Total
Chennai	56	11	-	-	97	164
Cochin	-	-	-	-	67	67
Gangavaram	246	64	-	-	297	607
Goa	-	-	-	-	93	93
Haldia	-	-	-	-	89	89
Hazira	383	-	-	-	-	383
Kakinada	1,065	516	-	-	495	2,076
Kandla	1,356	1,283	-	74	1,032	3,745
Karaikal	430	52	-	57	38	577
Krishnapatnam	935	147	-	69	44	1,195
MBPT	-	-	136	-	125	261
Murmugao	-	-	-	-	133	133
Mumbai	-	-	-	-	-	-
Mundra	1,903	1,355	-	-	271	3,529
New-Mangalore	317	44	-	-	308	669
Paradeep	51	-	-	-	170	221
Pipavav	1,431	-	-	-	-	1,431
Rozy	-	28	-	-	55	83
Tuticorin	85	-	-	-	334	419
Vizag	491	353	-	91	549	1,484
<b>Total</b>	<b>8,749</b>	<b>3,853</b>	<b>136</b>	<b>291</b>	<b>4,197</b>	<b>17,226</b>
Source: Dept. of Fertilizers, Ministry of Chemicals & Fertilizers, G.O.I., New Delhi.						
3.06 (c) TRAFFIC OF FERTILISERS HANDLED AT VARIOUS PORTS - 2015-16						
('000 tonnes)						
Port	Urea	DAP	MAP	NP/NPKs	MOP	Total
Chennai	-	-	-	-	44	44
Cochin	-	-	-	-	22	22
Gangavaram	712	472	-	66	254	1,504
Goa	-	-	-	-	168	168
Hazira (Adani)	117	-	-	-	-	117
Hazira (Anchorage)	297	-	-	-	-	297
Kakinada	994	805	-	113	278	2,190
Kandla	1,268	1,828	-	53	775	3,924
Karaikal	295	55	-	45	15	410
Krishnapatnam	422	110	-	166	92	790
MBPT	-	18	22	-	133	173
Mormugao	-	-	-	-	30	30
Mundra	2,127	1,924	-	38	223	4,312
New-Mangalore	459	69	-	-	244	772
Paradip	-	-	-	-	68	68
Pipavav	974	200	-	-	-	1,174
Rozy	140	21	-	49	142	352
Tuticorin	172	-	-	-	290	462
Vizag	497	506	-	99	465	1,567
<b>Total</b>	<b>8,474</b>	<b>6,008</b>	<b>22</b>	<b>629</b>	<b>3,243</b>	<b>18,376</b>
(P) = Provisional. Note: Total excludes Ammonium Sulphate, SOP and TSP wherever applicable.						
Source: Dept. of Fertilizers, Ministry of Chemicals & Fertilizers, G.O.I., New Delhi.						

## 4.00 DESPATCHES OF FERTILISERS

4.01 SEASON-WISE DESPATCHES OF STRAIGHT NITROGENOUS FERTILISERS 2015-16			
('000 tonnes)			
Zone / State	Kharif 2015	Rabi 2015-16	Total 2015-16
<b>(A) Urea (46% N)*</b>			
<b>East</b>	<b>2,335.9</b>	<b>2,722.1</b>	<b>5,058.0</b>
Assam	152.7	238.2	390.9
Bihar	954.2	1,404.0	2,358.2
Odisha	448.5	138.7	587.2
West Bengal	608.6	829.4	1,438.0
Jharkhand	145.2	89.9	235.1
Manipur	15.7	3.6	19.3
Meghalaya	1.2	0.5	1.7
Mizoram	1.5	2.0	3.5
Nagaland	0.3	0.3	0.5
Tripura	7.9	15.6	23.5
Arunachal Pradesh	-	-	-
<b>North</b>	<b>5,356.3</b>	<b>6,240.9</b>	<b>11,597.2</b>
Haryana	927.8	1,185.2	2,113.0
Himachal Pradesh	40.7	32.4	73.1
Jammu & Kashmir	77.7	77.2	154.8
Punjab	1,447.8	1,638.3	3,086.1
Uttar Pradesh	2,696.2	3,102.8	5,799.0
Uttarakhand	162.1	198.4	360.4
Delhi	4.2	6.6	10.8
<b>South</b>	<b>2,848.3</b>	<b>2,691.5</b>	<b>5,539.8</b>
Andhra Pradesh	746.5	800.7	1,547.3
Telangana	753.0	504.4	1,257.4
Karnataka	859.2	603.8	1,463.0
Kerala	78.0	62.8	140.8
Tamil Nadu	405.3	712.4	1,117.7
Puducherry	5.9	7.4	13.3
A & N Islands	0.4	-	0.4
<b>West</b>	<b>4,940.2</b>	<b>4,838.6</b>	<b>9,778.8</b>
Gujarat	1,082.9	1,021.2	2,104.1
Madhya Pradesh	992.9	1,394.6	2,387.5
Chhattisgarh	550.7	294.4	845.1
Maharashtra	1,451.6	908.6	2,360.2
Rajasthan	859.1	1,218.0	2,077.1
Goa	2.3	1.4	3.6
Daman & Diu	0.1	0.04	0.2
D & N Haveli	0.7	0.3	1.0
<b>All India</b>	<b>15,480.7</b>	<b>16,493.1</b>	<b>31,973.8</b>

\* = Despatch figures of urea are not available. Hence, sales figures have been shown here.

(Continued)

4.01 SEASON-WISE DESPATCHES OF STRAIGHT NITROGENOUS FERTILISERS INDIGENOUS - 2015-16 (Concluded)			
('000 tonnes)			
Zone / State	Kharif 2015	Rabi 2015-16	Total 2015-16
<b>(B) Ammonium Sulphate (20.6% N)</b>			
<b>East</b>	<b>30.3</b>	<b>56.4</b>	<b>86.7</b>
Bihar	2.6	15.9	18.4
Odisha	2.6	6.2	8.8
West Bengal	11.6	18.5	30.1
Jharkhand	13.6	15.9	29.4
<b>North</b>	<b>24.0</b>	<b>19.0</b>	<b>43.0</b>
Haryana	1.6	2.0	3.6
Himachal Pradesh	-	-	-
Punjab	2.8	4.2	7.0
Uttar Pradesh	19.7	12.8	32.4
<b>South</b>	<b>101.3</b>	<b>84.6</b>	<b>185.9</b>
Andhra Pradesh	40.8	49.6	90.4
Telangana	10.8	8.0	18.8
Karnataka	29.5	12.1	41.6
Kerala	1.4	0.9	2.3
Tamil Nadu	18.6	13.9	32.5
Puducherry	0.2	0.1	0.3
<b>West</b>	<b>133.9</b>	<b>114.5</b>	<b>248.3</b>
Gujarat	76.7	77.7	154.4
Madhya Pradesh	2.6	3.5	6.1
Chhattisgarh	15.2	15.2	30.4
Maharashtra	35.8	16.4	52.1
Rajasthan	3.6	1.6	5.2
Dadra & Nagar Haveli	0.01	0.03	0.04
<b>All India</b>	<b>289.4</b>	<b>274.5</b>	<b>563.9</b>
<b>(C) Ammonium Chloride (25% N)*</b>			
<b>South</b>	<b>1.4</b>	<b>3.8</b>	<b>5.2</b>
Karnataka	1.4	0.1	1.5
Tamil Nadu	-	3.6	3.6
<b>All India</b>	<b>1.4</b>	<b>3.8</b>	<b>5.2</b>
* = Despatch figures of ammonium chloride are not available. Hence, consumption figures have been shown here.			

4.02 SEASON-WISE DESPATCHES OF STRAIGHT PHOSPHATIC FERTILISERS INDIGENOUS - 2015-16			
('000 tonnes)			
Zone / State	Kharif 2015	Rabi 2015-16	Total 2015-16
<b>(A) Single Super Phosphate (16% P<sub>2</sub>O<sub>5</sub>)</b>			
<b>East</b>	<b>268.9</b>	<b>331.1</b>	<b>600.0</b>
Assam	24.7	55.1	79.8
Bihar	59.2	30.6	89.8
Odisha	8.7	3.5	12.2
West Bengal	162.6	231.6	394.2
Jharkhand	2.0	0.1	2.1
Meghalaya	0.5	1.4	1.9
Tripura	11.2	8.8	20.0
<b>North</b>	<b>315.5</b>	<b>283.3</b>	<b>598.9</b>
Haryana	79.0	75.7	154.7
Himachal Pradesh	0.2	7.0	7.2
Punjab	43.9	44.6	88.5
Uttar Pradesh	189.5	153.1	342.6
Uttarakhand	3.1	2.9	6.0
<b>South</b>	<b>258.7</b>	<b>208.4</b>	<b>467.1</b>
Andhra Pradesh	136.9	124.3	261.2
Telangana	22.2	14.1	36.3
Karnataka	55.4	23.9	79.3
Kerala	0.6	0.5	1.1
Tamil Nadu	43.7	45.5	89.2
Puducherry	0.1	0.02	0.1
<b>West</b>	<b>1,418.3</b>	<b>1,466.8</b>	<b>2,885.1</b>
Gujarat	80.7	115.5	196.2
Madhya Pradesh	598.3	520.7	1,119.0
Chhattisgarh	106.0	108.6	214.6
Maharashtra	410.6	473.3	883.9
Rajasthan	222.7	248.7	471.4
<b>Others*</b>	-	0.6	0.6
<b>All India</b>	<b>2,261.4</b>	<b>2,290.1</b>	<b>4,551.6</b>
* = Exports			

4.03 SEASON-WISE DESPATCHES OF COMPLEX FERTILISERS INDIGENOUS AND IMPORTED - 2015-16									
Zone / State	Kharif 2015			Rabi 2015-16			Total 2015-16		
	Indigenous	Imported	Total	Indigenous	Imported	Total	Indigenous	Imported	Total
<b>(A) Diammonium Phosphate (18-46-0)</b>									
<b>East</b>	<b>304.2</b>	<b>278.0</b>	<b>582.2</b>	<b>390.2</b>	<b>237.3</b>	<b>627.5</b>	<b>694.4</b>	<b>515.2</b>	<b>1,209.7</b>
Assam	10.7	12.4	23.1	24.8	5.8	30.5	35.5	18.2	53.6
Bihar	88.8	155.8	244.6	155.1	175.3	330.5	243.9	331.2	575.1
Odisha	95.0	20.7	115.7	52.3	2.0	54.4	147.3	22.7	170.0
West Bengal	88.3	58.7	146.9	142.8	53.2	196.0	231.0	111.9	343.0
Jharkhand	21.4	29.7	51.1	15.0	0.3	15.3	36.4	30.0	66.4
Nagaland	-	-	-	0.01	-	0.01	0.01	-	0.01
Meghalaya	0.1	-	0.1	0.2	-	0.2	0.3	-	0.3
Mizoram	-	0.1	0.1	-	-	-	-	0.1	0.1
Tripura	-	0.6	0.6	-	0.7	0.7	-	1.3	1.3
<b>North</b>	<b>422.2</b>	<b>1,761.9</b>	<b>2,184.1</b>	<b>687.6</b>	<b>882.9</b>	<b>1,570.5</b>	<b>1,109.8</b>	<b>2,644.8</b>	<b>3,754.6</b>
Haryana	21.6	437.0	458.6	26.8	179.5	206.2	48.4	616.5	664.9
Jammu & Kashmir	-	16.2	16.2	13.6	22.1	35.7	13.6	38.3	51.9
Punjab	67.8	537.6	605.5	55.4	168.8	224.2	123.3	706.4	829.7
Uttar Pradesh	330.1	759.6	1,089.7	578.1	508.1	1,086.3	908.3	1,267.7	2,176.0
Uttarakhand	2.6	10.8	13.4	13.6	4.1	17.8	16.3	14.9	31.2
Delhi	-	0.6	0.6	-	0.3	0.3	-	1.0	1.0
<b>South</b>	<b>290.4</b>	<b>564.9</b>	<b>855.3</b>	<b>495.8</b>	<b>176.1</b>	<b>672.0</b>	<b>786.2</b>	<b>741.0</b>	<b>1,527.2</b>
Andhra Pradesh	56.2	127.8	184.0	152.8	47.4	200.2	208.9	175.2	384.2
Telangana	29.4	77.0	106.4	94.1	16.0	110.1	123.4	93.0	216.5
Karnataka	144.3	266.5	410.8	144.3	45.8	190.1	288.6	312.3	600.9
Kerala	7.2	10.2	17.4	4.8	1.4	6.2	12.1	11.6	23.6
Tamil Nadu	52.0	83.2	135.2	99.4	65.2	164.6	151.4	148.4	299.8
Puducherry	0.3	0.2	0.5	0.4	0.2	0.7	0.8	0.5	1.2
A & N Islands	1.0	-	1.0	-	-	-	1.0	-	1.0
<b>West</b>	<b>435.4</b>	<b>1,717.2</b>	<b>2,152.6</b>	<b>762.7</b>	<b>498.4</b>	<b>1,261.0</b>	<b>1,198.0</b>	<b>2,215.6</b>	<b>3,413.6</b>
Gujarat	113.7	164.9	278.6	176.0	44.9	220.9	289.7	209.8	499.5
Madhya Pradesh	129.0	585.2	714.2	190.1	209.4	399.5	319.0	794.6	1,113.7
Chhattisgarh	42.1	174.7	216.8	66.9	40.1	107.1	109.0	214.9	323.9
Maharashtra	87.6	290.8	378.4	212.8	87.1	299.9	300.4	377.9	678.3
Rajasthan	61.1	501.5	562.5	116.2	116.8	233.0	177.3	618.3	795.5
Goa	1.2	0.1	1.3	0.6	-	0.6	1.8	0.1	1.9
Daman & Diu	0.1	-	0.1	-	-	-	0.1	-	0.1
D & N Haveli	0.6	-	0.6	0.1	-	0.1	0.7	-	0.7
<b>All India</b>	<b>1,452.2</b>	<b>4,322.0</b>	<b>5,774.2</b>	<b>2,336.3</b>	<b>1,794.6</b>	<b>4,130.9</b>	<b>3,788.5</b>	<b>6,116.6</b>	<b>9,905.1</b>

(Continued)

4.03 SEASON-WISE DESPATCHES OF COMPLEX FERTILISERS INDIGENOUS AND IMPORTED - 2015-16 (Continued)									
('000 tonnes)									
Zone / State	Kharif 2015			Rabi 2015-16			Total 2015-16		
	Indigenous	Imported	Total	Indigenous	Imported	Total	Indigenous	Imported	Total
<b>(B) NPS (16-20-0-13)</b>									
<b>South</b>	<b>72.0</b>	<b>-</b>	<b>72.0</b>	<b>59.8</b>	<b>-</b>	<b>59.8</b>	<b>131.8</b>	<b>-</b>	<b>131.8</b>
Andhra Pradesh	12.4	-	12.4	5.0	-	5.0	17.4	-	17.4
Telangana	7.6	-	7.6	0.2	-	0.2	7.8	-	7.8
Karnataka	41.3	-	41.3	34.1	-	34.1	75.4	-	75.4
Tamil Nadu	10.6	-	10.6	20.3	-	20.3	30.8	-	30.8
Puducherry	0.1	-	0.1	0.2	-	0.2	0.3	-	0.3
<b>All India</b>	<b>72.0</b>	<b>-</b>	<b>72.0</b>	<b>59.8</b>	<b>-</b>	<b>59.8</b>	<b>131.8</b>	<b>-</b>	<b>131.8</b>
<b>(C) Nitro Phosphate (20-20-0)</b>									
<b>East</b>	<b>13.0</b>	<b>-</b>	<b>13.0</b>	<b>2.7</b>	<b>-</b>	<b>2.7</b>	<b>15.7</b>	<b>-</b>	<b>15.7</b>
Bihar	-	-	-	1.6	-	1.6	1.6	-	1.6
West Bengal	13.0	-	13.0	1.1	-	1.1	14.1	-	14.1
<b>North</b>	<b>17.2</b>	<b>0.0</b>	<b>17.2</b>	<b>27.9</b>	<b>0.0</b>	<b>27.9</b>	<b>45.1</b>	<b>0.0</b>	<b>45.1</b>
Haryana	0.3	-	0.3	1.2	-	1.2	1.5	-	1.5
Punjab	0.5	-	0.5	2.0	-	2.0	2.5	-	2.5
Uttar Pradesh	16.4	0.001	16.4	24.7	0.001	24.7	41.1	0.002	41.1
<b>South</b>	<b>35.4</b>	<b>-</b>	<b>35.4</b>	<b>10.4</b>	<b>-</b>	<b>10.4</b>	<b>45.8</b>	<b>-</b>	<b>45.8</b>
Andhra Pradesh	4.0	-	4.0	3.9	-	3.9	7.9	-	7.9
Telangana	9.2	-	9.2	2.7	-	2.7	11.9	-	11.9
Karnataka	18.6	-	18.6	1.8	-	1.8	20.4	-	20.4
Kerala	0.7	-	0.7	-	-	-	0.7	-	0.7
Tamil Nadu	2.9	-	2.9	2.0	-	2.0	4.9	-	4.9
<b>West</b>	<b>176.4</b>	<b>7.4</b>	<b>183.8</b>	<b>110.5</b>	<b>5.4</b>	<b>115.9</b>	<b>286.8</b>	<b>12.8</b>	<b>299.6</b>
Gujarat	64.6	0.3	64.8	69.6	0.1	69.7	134.1	0.4	134.5
Madhya Pradesh	11.1	-	11.1	7.8	-	7.8	18.9	-	18.9
Chhattisgarh	1.2	-	1.2	0.8	-	0.8	1.9	-	1.9
Maharashtra	93.5	0.1	93.6	23.2	-	23.2	116.7	0.132	116.8
Rajasthan	6.0	7.0	13.0	9.0	5.3	14.3	14.9	12.3	27.2
Goa	0.1	-	0.1	0.2	-	0.2	0.3	-	0.3
<b>All India</b>	<b>242.0</b>	<b>7.4</b>	<b>249.4</b>	<b>151.3</b>	<b>5.4</b>	<b>156.7</b>	<b>393.4</b>	<b>12.8</b>	<b>406.2</b>
* = Ammonium Nitro Phosphate.									
(Continued)									

4.03 SEASON-WISE DESPATCHES OF COMPLEX FERTILISERS INDIGENOUS AND IMPORTED - 2015-16 (Continued)									
Zone / State	Kharif 2015			Rabi 2015-16			Total 2015-16		
	Indigenous	Imported	Total	Indigenous	Imported	Total	Indigenous*	Imported	Total
('000 tonnes)									
<b>(D) APS (20-20-0-13) &amp; (20-20-0-13-0.3)</b>									
<b>East</b>	<b>329.1</b>	<b>10.3</b>	<b>339.4</b>	<b>223.3</b>	<b>0.0</b>	<b>223.3</b>	<b>552.3</b>	<b>10.3</b>	<b>562.7</b>
Assam	9.9	-	9.9	3.3	-	3.3	13.2	-	13.2
Bihar	130.4	4.4	134.7	136.4	0.001	136.4	266.8	4.4	271.2
Odisha	114.8	5.9	120.7	48.1	-	48.1	162.9	5.9	168.8
West Bengal	55.7	-	55.7	32.5	-	32.5	88.2	-	88.2
Jharkhand	17.5	-	17.5	2.6	-	2.6	20.1	-	20.1
Meghalaya	0.8	-	0.8	0.4	-	0.4	1.2	-	1.2
<b>North</b>	<b>74.2</b>	<b>3.6</b>	<b>77.8</b>	<b>117.3</b>	<b>-</b>	<b>117.3</b>	<b>191.5</b>	<b>3.6</b>	<b>195.1</b>
Haryana	0.7	-	0.7	0.9	-	0.9	1.5	-	1.5
Punjab	2.8	-	2.8	3.1	-	3.1	5.9	-	5.9
Uttar Pradesh	70.7	3.6	74.3	113.0	-	113.0	183.7	3.6	187.3
Uttarakhand	-	-	-	0.3	-	0.3	0.3	-	0.3
<b>South</b>	<b>1,157.7</b>	<b>48.6</b>	<b>1,206.3</b>	<b>1,062.1</b>	<b>1.0</b>	<b>1,063.2</b>	<b>2,219.8</b>	<b>49.7</b>	<b>2,269.4</b>
Andhra Pradesh	270.0	6.1	276.1	326.2	0.8	327.1	596.2	7.0	603.2
Telangana	353.1	24.2	377.3	249.0	-	249.0	602.1	24.2	626.3
Karnataka	325.0	7.2	332.2	191.0	0.01	191.02	516.0	7.2	523.2
Kerala	46.9	0.9	47.8	38.9	0.001	38.876	85.8	0.9	86.7
Tamil Nadu	161.8	10.2	172.0	255.1	0.2	255.2	416.9	10.4	427.2
Puducherry	0.8	0.1	0.8	2.0	-	2.0	2.7	0.1	2.8
<b>West</b>	<b>291.2</b>	<b>20.9</b>	<b>312.1</b>	<b>251.3</b>	<b>-</b>	<b>251.3</b>	<b>542.6</b>	<b>20.9</b>	<b>563.4</b>
Gujarat	61.9	-	61.9	55.9	-	55.9	117.8	-	117.8
Madhya Pradesh	27.0	0.9	27.9	15.1	-	15.1	42.1	0.9	43.0
Chhattisgarh	21.2	-	21.2	15.1	-	15.1	36.2	-	36.2
Maharashtra	172.8	20.0	192.8	158.1	-	158.1	330.9	20.0	350.9
Rajasthan	8.4	-	8.4	7.0	-	7.0	15.4	-	15.4
D & N Haveli	0.02	-	0.02	0.1	-	0.1	0.1	-	0.1
<b>All India</b>	<b>1,852.2</b>	<b>83.4</b>	<b>1,935.6</b>	<b>1,654.0</b>	<b>1.0</b>	<b>1,655.0</b>	<b>3,506.2</b>	<b>84.5</b>	<b>3,590.6</b>
* = includes 13.3 thousand tonnes of 20-20-0-13-0.3.									
<b>(E) NP (28-28-0)</b>									
<b>East</b>	<b>60.2</b>	<b>-</b>	<b>60.2</b>	<b>58.8</b>	<b>-</b>	<b>58.8</b>	<b>119.0</b>	<b>-</b>	<b>119.0</b>
Odisha	43.3	-	43.3	33.3	-	33.3	76.6	-	76.6
West Bengal	16.9	-	16.9	25.6	-	25.6	42.5	-	42.5
<b>South</b>	<b>166.0</b>	<b>-</b>	<b>166.0</b>	<b>159.8</b>	<b>-</b>	<b>159.8</b>	<b>325.8</b>	<b>-</b>	<b>325.8</b>
Andhra Pradesh	101.1	-	101.1	126.4	-	126.4	227.5	-	227.5
Telangana	58.3	-	58.3	30.6	-	30.6	88.9	-	88.9
Karnataka	6.1	-	6.1	0.9	-	0.9	7.0	-	7.0
Tamil Nadu	0.5	-	0.5	1.9	-	1.9	2.4	-	2.4
Puducherry	0.02	-	0.02	-	-	-	0.02	-	0.02
<b>West</b>	<b>9.4</b>	<b>-</b>	<b>9.4</b>	<b>4.5</b>	<b>-</b>	<b>4.5</b>	<b>13.9</b>	<b>-</b>	<b>13.9</b>
Madhya Pradesh	-	-	-	1.2	-	1.2	1.2	-	1.2
Chhattisgarh	9.4	-	9.4	3.3	-	3.3	12.7	-	12.7
<b>All India</b>	<b>235.6</b>	<b>-</b>	<b>235.6</b>	<b>223.1</b>	<b>-</b>	<b>223.1</b>	<b>458.7</b>	<b>-</b>	<b>458.7</b>

(Continued)

4.03 SEASON-WISE DESPATCHES OF COMPLEX FERTILISERS INDIGENOUS AND IMPORTED - 2015-16 (Continued)									
Zone / State	Kharif 2015			Rabi 2015-16			Total 2015-16		
	Indigenous	Imported	Total	Indigenous	Imported	Total	Indigenous*	Imported	Total
<b>(F) NP (24-24-0) &amp; (24-24-0-08)</b>									
<b>North</b>	-	-	-	0.6	-	0.6	0.6	-	0.6
Haryana	-	-	-	0.1	-	0.1	0.1	-	0.1
Punjab	-	-	-	0.2	-	0.2	0.2	-	0.2
Uttar Pradesh	-	-	-	0.3	-	0.3	0.3	-	0.3
<b>South</b>	8.4	-	8.4	7.9	-	7.9	16.2	-	16.2
Andhra Pradesh	-	-	-	1.0	-	1.0	1.0	-	1.0
Telangana	0.1	-	0.1	0.7	-	0.7	0.8	-	0.8
Karnataka	6.9	-	6.9	6.2	-	6.2	13.1	-	13.1
Tamil Nadu	1.3	-	1.3	-	-	-	1.3	-	1.3
Puducherry	0.1	-	0.1	-	-	-	0.1	-	0.1
<b>West</b>	53.5	-	53.5	99.6	-	99.6	153.1	-	153.1
Gujarat	2.7	-	2.7	3.1	-	3.1	5.8	-	5.8
Madhya Pradesh	1.2	-	1.2	0.2	-	0.2	1.4	-	1.4
Maharashtra	49.6	-	49.6	96.3	-	96.3	145.9	-	145.9
<b>All India</b>	61.8	-	61.8	108.2	-	108.2	170.0	-	170.0
* = includes 11.9 thousand tonnes of 24-24-0-08.									
<b>(G) NPK (12-32-16) &amp; NPK Zinc (12:32:16)</b>									
<b>East</b>	66.6	-	66.6	7.7	-	7.7	74.3	-	74.3
Bihar	57.8	-	57.8	5.4	-	5.4	63.2	-	63.2
Odisha	0.2	-	0.2	-	-	-	0.2	-	0.2
West Bengal	2.1	-	2.1	2.3	-	2.3	4.4	-	4.4
Jharkhand	6.4	-	6.4	-	-	-	6.4	-	6.4
<b>North</b>	267.2	-	267.2	252.3	-	252.3	519.6	-	519.6
Haryana	16.1	-	16.1	2.8	-	2.8	18.8	-	18.8
Himachal Pradesh	13.9	-	13.9	16.0	-	16.0	30.0	-	30.0
Jammu & Kashmir	1.0	-	1.0	1.5	-	1.5	2.6	-	2.6
Punjab	17.2	-	17.2	10.7	-	10.7	27.9	-	27.9
Uttar Pradesh	208.9	-	208.9	200.5	-	200.5	409.4	-	409.4
Uttarakhand	10.1	-	10.1	20.7	-	20.7	30.8	-	30.8
Delhi	-	-	-	0.03	-	0.03	0.03	-	0.03
<b>South</b>	51.3	-	51.3	20.0	-	20.0	71.3	-	71.3
Andhra Pradesh	3.1	-	3.1	4.7	-	4.7	7.8	-	7.8
Telangana	12.5	-	12.5	10.3	-	10.3	22.8	-	22.8
Karnataka	35.7	-	35.7	4.9	-	4.9	40.6	-	40.6
<b>West</b>	326.9	-	326.9	222.0	-	222.0	548.9	-	548.9
Gujarat	76.5	-	76.5	74.2	-	74.2	150.7	-	150.7
Madhya Pradesh	153.9	-	153.9	64.0	-	64.0	217.9	-	217.9
Chhattisgarh	21.4	-	21.4	16.9	-	16.9	38.3	-	38.3
Maharashtra	62.0	-	62.0	54.8	-	54.8	116.8	-	116.8
Rajasthan	13.2	-	13.2	12.0	-	12.0	25.2	-	25.2
<b>All India</b>	712.0	-	712.0	501.9	-	501.9	1,213.9	-	1,213.9
* = includes 153.4 thousand tonnes of Zinc 12-32-16.									

(Continued)



4.03 SEASON-WISE DESPATCHES OF COMPLEX FERTILISERS INDIGENOUS AND IMPORTED - 2015-16 (Continued)									
Zone / State	Kharif 2015			Rabi 2015-16			Total 2015-16		
	Indigenous	Imported	Total	Indigenous	Imported	Total	Indigenous	Imported	Total
('000 tonnes)									
<b>(H) NPK (10-26-26)</b>									
<b>East</b>	<b>344.2</b>	<b>37.2</b>	<b>381.3</b>	<b>314.8</b>	<b>6.0</b>	<b>320.8</b>	<b>659.0</b>	<b>43.1</b>	<b>702.1</b>
Assam	0.8	-	0.8	0.3	-	0.3	1.1	-	1.1
Bihar	4.9	-	4.9	3.8	-	3.8	8.8	-	8.8
Odisha	6.0	-	6.0	6.5	-	6.5	12.5	-	12.5
West Bengal	323.5	37.2	360.7	303.8	6.0	309.8	627.3	43.1	670.5
Jharkhand	8.6	-	8.6	-	-	-	8.6	-	8.6
Tripura	0.3	-	0.3	0.4	-	0.4	0.7	-	0.7
<b>North</b>	<b>7.6</b>	<b>-</b>	<b>7.6</b>	<b>3.1</b>	<b>-</b>	<b>3.1</b>	<b>10.7</b>	<b>-</b>	<b>10.7</b>
Uttar Pradesh	7.6	-	7.6	3.1	-	3.1	10.7	-	10.7
<b>South</b>	<b>240.5</b>	<b>31.8</b>	<b>272.4</b>	<b>200.9</b>	<b>1.8</b>	<b>202.8</b>	<b>441.5</b>	<b>33.7</b>	<b>475.1</b>
Andhra Pradesh	42.8	1.2	44.0	67.7	0.6	68.3	110.5	1.8	112.3
Telangana	12.6	0.2	12.9	9.1	-	9.1	21.7	0.2	22.0
Karnataka	161.3	30.4	191.7	107.5	1.2	108.7	268.8	31.6	300.4
Kerala	6.2	-	6.2	4.8	-	4.8	11.0	-	11.0
Tamil Nadu	17.1	0.04	17.1	11.7	0.01	11.7	28.7	0.1	28.8
Puducherry	0.1	-	0.1	0.1	-	0.1	0.2	-	0.2
A & N Islands	0.5	-	0.5	-	-	-	0.5	-	0.5
<b>West</b>	<b>251.5</b>	<b>105.5</b>	<b>357.1</b>	<b>272.3</b>	<b>37.0</b>	<b>309.3</b>	<b>523.8</b>	<b>142.6</b>	<b>666.4</b>
Gujarat	5.0	5.4	10.4	14.7	2.2	16.9	19.7	7.6	27.3
Madhya Pradesh	1.0	-	1.0	-	0.5	0.5	1.0	0.5	1.5
Maharashtra	244.6	100.1	344.7	257.2	34.4	291.6	501.8	134.5	636.2
Goa	1.0	-	1.0	0.4	-	0.4	1.3	-	1.3
<b>All India</b>	<b>843.8</b>	<b>174.6</b>	<b>1,018.4</b>	<b>791.2</b>	<b>44.8</b>	<b>836.0</b>	<b>1,635.0</b>	<b>219.4</b>	<b>1,854.3</b>
<b>(I) NPK (15-15-15)</b>									
<b>East</b>	<b>22.7</b>	<b>-</b>	<b>22.7</b>	<b>35.0</b>	<b>-</b>	<b>35.0</b>	<b>57.7</b>	<b>-</b>	<b>57.7</b>
Bihar	-	-	-	1.8	-	1.8	1.8	-	1.8
West Bengal	22.7	-	22.7	33.2	-	33.2	55.9	-	55.9
<b>North</b>	<b>5.6</b>	<b>-</b>	<b>5.6</b>	<b>13.6</b>	<b>-</b>	<b>13.6</b>	<b>19.2</b>	<b>-</b>	<b>19.2</b>
Haryana	1.1	-	1.1	-	-	-	1.1	-	1.1
Himachal Pradesh	-	-	-	5.9	-	5.9	5.9	-	5.9
Punjab	1.0	-	1.0	-	-	-	1.0	-	1.0
Uttar Pradesh	3.4	-	3.4	7.7	-	7.7	11.2	-	11.2
<b>South</b>	<b>48.1</b>	<b>-</b>	<b>48.1</b>	<b>73.1</b>	<b>-</b>	<b>73.1</b>	<b>121.2</b>	<b>-</b>	<b>121.2</b>
Andhra Pradesh	3.5	-	3.5	9.9	-	9.9	13.5	-	13.5
Telangana	5.2	-	5.2	1.8	-	1.8	7.1	-	7.1
Karnataka	30.8	-	30.8	41.2	-	41.2	72.0	-	72.0
Kerala	1.6	-	1.6	3.9	-	3.9	5.5	-	5.5
Tamil Nadu	6.8	-	6.8	16.3	-	16.3	23.1	-	23.1
<b>West</b>	<b>94.0</b>	<b>-</b>	<b>94.0</b>	<b>165.7</b>	<b>-</b>	<b>165.7</b>	<b>259.7</b>	<b>-</b>	<b>259.7</b>
Gujarat	5.0	-	5.0	4.2	-	4.2	9.2	-	9.2
Madhya Pradesh	3.5	-	3.5	2.0	-	2.0	5.5	-	5.5
Chhattisgarh	-	-	-	1.4	-	1.4	1.4	-	1.4
Maharashtra	85.2	-	85.2	157.9	-	157.9	243.1	-	243.1
Goa	0.2	-	0.2	0.2	-	0.2	0.4	-	0.4
<b>All India</b>	<b>170.3</b>	<b>-</b>	<b>170.3</b>	<b>287.4</b>	<b>-</b>	<b>287.4</b>	<b>457.7</b>	<b>-</b>	<b>457.7</b>

(Continued)

4.03 SEASON-WISE DESPATCHES OF COMPLEX FERTILISERS INDIGENOUS AND IMPORTED - 2015-16 (Continued)									
('000 tonnes)									
Zone / State	Kharif 2015			Rabi 2015-16			Total 2015-16		
	Indigenous	Imported	Total	Indigenous	Imported	Total	Indigenous	Imported	Total
<b>(J) NPKS (15-15-15-09)</b>									
<b>East</b>	-	-	-	-	0.02	0.02	-	0.02	0.02
Odisha	-	-	-	-	0.02	0.02	-	0.02	0.02
<b>South</b>	-	54.5	54.5	-	26.1	26.1	-	80.6	80.6
Andhra Pradesh	-	2.4	2.4	-	0.2	0.2	-	2.6	2.6
Telangana	-	0.9	0.9	-	0.1	0.1	-	0.9	0.9
Karnataka	-	34.6	34.6	-	21.8	21.8	-	56.3	56.3
Kerala	-	7.9	7.9	-	-	-	-	7.9	7.9
Tamil Nadu	-	8.7	8.7	-	4.1	4.1	-	12.8	12.8
<b>West</b>	-	47.0	47.0	-	14.9	14.9	-	62.0	62.0
Madhya Pradesh	-	1.6	1.6	-	-	-	-	1.6	1.6
Maharashtra	-	45.4	45.4	-	14.9	14.9	-	60.3	60.3
<b>All India</b>	-	101.5	101.5	-	41.1	41.1	-	142.6	142.6
<b>(K) NPK (14-35-14)</b>									
<b>East</b>	10.7	-	10.7	48.0	-	48.0	58.6	-	58.6
Odisha	0.1	-	0.1	2.2	-	2.2	2.2	-	2.2
West Bengal	10.6	-	10.6	45.8	-	45.8	56.4	-	56.4
<b>North</b>	-	-	-	6.1	-	6.1	6.1	-	6.1
Uttar Pradesh	-	-	-	6.1	-	6.1	6.1	-	6.1
<b>South</b>	77.9	-	77.9	116.5	-	116.5	194.4	-	194.4
Andhra Pradesh	54.3	-	54.3	96.0	-	96.0	150.4	-	150.4
Telangana	17.7	-	17.7	16.5	-	16.5	34.2	-	34.2
Tamil Nadu	0.001	-	0.001	-	-	-	0.001	-	0.001
Karnataka	5.8	-	5.8	3.9	-	3.9	9.8	-	9.8
<b>West</b>	7.8	-	7.8	4.3	-	4.3	12.0	-	12.0
Madhya Pradesh	2.4	-	2.4	1.1	-	1.1	3.6	-	3.6
Maharashtra	5.3	-	5.3	3.2	-	3.2	8.5	-	8.5
<b>All India</b>	96.3	-	96.3	174.8	-	174.8	271.1	-	271.1
<b>(L) NPK (16-16-16)</b>									
<b>East</b>	-	2.6	2.6	-	10.6	10.6	-	13.2	13.2
West Bengal	-	2.6	2.6	-	10.6	10.6	-	13.2	13.2
<b>North</b>	-	-	-	-	2.7	2.7	-	2.7	2.7
Uttar Pradesh	-	-	-	-	2.7	2.7	-	2.7	2.7
<b>South</b>	-	40.4	40.4	-	8.6	8.6	-	49.1	49.1
Andhra Pradesh	-	1.0	1.0	-	0.3	0.3	-	1.3	1.3
Telangana	-	1.7	1.7	-	1.8	1.8	-	3.4	3.4
Karnataka	-	28.5	28.5	-	-	-	-	28.5	28.5
Kerala	-	-	-	-	2.6	2.6	-	2.6	2.6
Tamil Nadu	-	9.3	9.3	-	3.7	3.7	-	13.0	13.0
Puduchery	-	-	-	-	0.3	0.3	-	0.3	0.3
<b>West</b>	-	56.1	56.1	-	2.6	2.6	-	58.7	58.7
Maharashtra	-	56.1	56.1	-	2.6	2.6	-	58.7	58.7
<b>All India</b>	-	99.2	99.2	-	24.5	24.5	-	123.7	123.7

(Continued)

4.03 SEASON-WISE DESPATCHES OF COMPLEX FERTILISERS INDIGENOUS AND IMPORTED - 2015-16 (Continued)									
('000 tonnes)									
Zone / State	Kharif 2015			Rabi 2015-16			Total 2015-16		
	Indigenous	Imported	Total	Indigenous	Imported	Total	Indigenous	Imported	Total
<b>(M) NPK (17-17-17)</b>									
<b>East</b>	-	-	-	1.2	-	1.2	1.2	-	1.2
West Bengal	-	-	-	1.2	-	1.2	1.2	-	1.2
<b>South</b>	<b>27.1</b>	-	<b>27.1</b>	<b>38.8</b>	-	<b>38.8</b>	<b>65.9</b>	-	<b>65.9</b>
Andhra Pradesh	5.7	-	5.7	14.2	-	14.2	19.9	-	19.9
Telangana	4.0	-	4.0	2.7	-	2.7	6.7	-	6.7
Karnataka	9.4	-	9.4	4.2	-	4.2	13.6	-	13.6
Kerala	2.1	-	2.1	1.8	-	1.8	3.9	-	3.9
Tamil Nadu	5.7	-	5.7	15.1	-	15.1	20.8	-	20.8
Puducherry	0.3	-	0.3	0.8	-	0.8	1.1	-	1.1
<b>West</b>	<b>0.4</b>	-	<b>0.4</b>	-	-	-	<b>0.4</b>	-	<b>0.4</b>
Maharashtra	0.4	-	0.4	-	-	-	0.4	-	0.4
<b>All India</b>	<b>27.5</b>	-	<b>27.5</b>	<b>40.0</b>	-	<b>40.0</b>	<b>67.5</b>	-	<b>67.5</b>
<b>(N) NPK (19-19-19)</b>									
<b>South</b>	<b>9.9</b>	-	<b>9.9</b>	<b>42.3</b>	-	<b>42.3</b>	<b>52.1</b>	-	<b>52.1</b>
Andhra Pradesh	-	-	-	8.6	-	8.6	8.6	-	8.6
Telangana	1.4	-	1.4	0.3	-	0.3	1.6	-	1.6
Karnataka	7.2	-	7.2	33.4	-	33.4	40.6	-	40.6
Kerala	1.3	-	1.3	-	-	-	1.3	-	1.3
<b>West</b>	<b>12.3</b>	-	<b>12.3</b>	<b>31.2</b>	-	<b>31.2</b>	<b>43.5</b>	-	<b>43.5</b>
Maharashtra	12.0	-	12.0	30.8	-	30.8	42.8	-	42.8
Goa	0.3	-	0.3	0.4	-	0.4	0.7	-	0.7
<b>All India</b>	<b>22.2</b>	-	<b>22.2</b>	<b>73.4</b>	-	<b>73.4</b>	<b>95.6</b>	-	<b>95.6</b>

(Continued)

4.04 SEASON-WISE DESPATCHES OF STRAIGHT POTASSIC FERTILISERS IMPORTED - 2015-16			
Zone / State	Khariif 2015	Rabi 2015-16	Total 2015-16
<b>(A) MOP (60% K<sub>2</sub>O)</b>			
<b>East</b>	<b>250.2</b>	<b>236.3</b>	<b>486.5</b>
Assam	26.9	33.5	60.4
Bihar	59.3	82.6	141.9
Odisha	71.6	13.2	84.8
West Bengal	84.2	106.8	190.9
Jharkhand	3.0	0.3	3.2
Mizoram	0.1	-	0.1
Tripura	5.2	-	5.2
<b>North</b>	<b>209.8</b>	<b>104.3</b>	<b>314.2</b>
Haryana	30.2	9.7	39.8
Jammu & Kashmir	1.2	14.7	15.9
Punjab	51.3	-	51.3
Uttar Pradesh	124.4	71.7	196.1
Uttarakhand	2.8	0.5	3.3
Himachal Preadesh	-	7.7	7.7
<b>South</b>	<b>564.7</b>	<b>351.9</b>	<b>916.6</b>
Andhra Pradesh	114.1	91.6	205.7
Telangana	73.0	25.0	98.0
Karnataka	177.7	54.6	232.3
Kerala	58.3	28.0	86.4
Tamil Nadu	140.3	152.0	292.3
Puducherry	1.2	0.7	1.9
<b>West</b>	<b>374.2</b>	<b>202.3</b>	<b>576.5</b>
Gujarat	56.7	59.5	116.2
Madhya Pradesh	61.3	27.4	88.7
Chhattisgarh	59.0	14.2	73.2
Maharashtra	187.2	99.1	286.3
Rajasthan	9.2	2.0	11.2
Goa	0.8	0.1	0.8
<b>All India</b>	<b>1,398.9</b>	<b>894.9</b>	<b>2,293.8</b>
<b>(B) SOP (50% K<sub>2</sub>O) *</b>			
<b>South</b>	<b>11.8</b>	<b>5.1</b>	<b>16.8</b>
Andhra Pradesh	0.1	4.6	4.7
Karnataka	11.7	0.5	12.2
<b>All India</b>	<b>11.8</b>	<b>5.1</b>	<b>16.8</b>
* = Despatch figures of SOP are not available. Hence, consumption figures have been shown here.			

**4.05 STATE-WISE DESPATCHES OF FERTILISERS - PRODUCT-WISE AND NUTRIENT-WISE  
2015-16 (April-March)**

('000 tonnes)

Zone/States	Urea <sup>1</sup>	AS	ACI**	DAP	16-20-0-13	20-20-0-13 APS <sup>2</sup>	20-20-0 ANP	24-24-0 <sup>3</sup>	28-28-0
<b>East</b>	<b>5,058.0</b>	<b>86.7</b>	<b>-</b>	<b>1,209.7</b>	<b>-</b>	<b>562.7</b>	<b>15.7</b>	<b>-</b>	<b>119.0</b>
Assam	390.9	-	-	53.6	-	13.2	-	-	-
Bihar	2,358.2	18.4	-	575.1	-	271.2	1.6	-	-
Odisha	587.2	8.8	-	170.0	-	168.8	-	-	76.6
West Bengal	1,438.0	30.1	-	343.0	-	88.2	14.1	-	42.5
Jharkhand	235.1	29.4	-	66.4	-	20.1	-	-	-
Manipur	19.3	-	-	-	-	-	-	-	-
Meghalaya	1.7	-	-	0.3	-	1.2	-	-	-
Mizoram	3.5	-	-	0.1	-	-	-	-	-
Nagaland	0.5	-	-	0.01	-	-	-	-	-
Tripura	23.5	-	-	1.3	-	-	-	-	-
<b>North</b>	<b>11,597.2</b>	<b>43.0</b>	<b>-</b>	<b>3,754.6</b>	<b>-</b>	<b>195.1</b>	<b>45.1</b>	<b>0.6</b>	<b>-</b>
Haryana	2,113.0	3.6	-	664.9	-	1.5	1.5	0.1	-
Himachal Pradesh	73.1	-	-	-	-	-	-	-	-
Jammu & Kashmir	154.8	-	-	51.9	-	-	-	-	-
Punjab	3,086.1	7.0	-	829.7	-	5.9	2.5	0.2	-
Uttar Pradesh	5,799.0	32.4	-	2,176.0	-	187.3	41.1	0.3	-
Uttarakhand	360.4	-	-	31.2	-	0.3	-	-	-
Delhi	10.8	-	-	1.0	-	-	-	-	-
<b>South</b>	<b>5,539.8</b>	<b>185.9</b>	<b>5.2</b>	<b>1,527.2</b>	<b>131.8</b>	<b>2,269.4</b>	<b>45.8</b>	<b>16.2</b>	<b>325.8</b>
Andhra Pradesh	1,547.3	90.4	-	384.2	17.4	603.2	7.9	1.0	227.5
Telangana	1,257.4	18.8	-	216.5	7.8	626.3	11.9	0.8	88.9
Karnataka	1,463.0	41.6	1.5	600.9	75.4	523.2	20.4	13.1	7.0
Kerala	140.8	2.3	-	23.6	-	86.7	0.7	-	-
Tamil Nadu	1,117.7	32.5	3.6	299.8	30.8	427.2	4.9	1.3	2.4
Puducherry	13.3	0.3	-	1.2	0.3	2.8	-	0.1	0.02
A & N Islands	0.4	-	-	1.0	-	-	-	-	-
<b>West</b>	<b>9,778.8</b>	<b>248.3</b>	<b>-</b>	<b>3,413.6</b>	<b>-</b>	<b>563.4</b>	<b>299.6</b>	<b>153.1</b>	<b>13.9</b>
Gujarat	2,104.1	154.4	-	499.5	-	117.8	134.5	5.8	-
Madhya Pradesh	2,387.5	6.1	-	1,113.7	-	43.0	18.9	1.4	1.2
Chhattisgarh	845.1	30.4	-	323.9	-	36.2	1.9	-	12.7
Maharashtra	2,360.2	52.1	-	678.3	-	350.9	116.8	145.9	-
Rajasthan	2,077.1	5.2	-	795.5	-	15.4	27.2	-	-
Goa	3.6	-	-	1.9	-	-	0.3	-	-
Daman & Diu	0.2	-	-	0.1	-	-	-	-	-
D & Nagar Haveli	1.0	0.04	-	0.7	-	0.1	-	-	-
<b>Others</b>									
<b>All India</b>	<b>31,973.8</b>	<b>563.9</b>	<b>5.2</b>	<b>9,905.1</b>	<b>131.8</b>	<b>3,590.6</b>	<b>406.2</b>	<b>170.0</b>	<b>458.7</b>

1 = Despatch figures are not available. Hence, sales figures have been shown here. \*\* = Despatch figures are not available. Hence, consumption figures have been shown here.

2 = includes 13.3 thousand tonnes of 20-20-0-13-0.3.

3 = includes 11.9 thousand tonnes of 24-24-0-0.3.

(Continued)

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4.05 STATE-WISE DESPATCHES OF FERTILISERS - PRODUCT-WISE AND NUTRIENT-WISE 2015-16 (April-March) (Continued)									
('000 tonnes)									
Zone/States	12-32-16 <sup>4</sup>	10-26-26	15-15-15	15-15-15-09	14-35-14	16-16-16	19-19-19	17-17-17	SSP
<b>East</b>	<b>74.3</b>	<b>702.1</b>	<b>57.7</b>	<b>0.0</b>	<b>58.6</b>	<b>13.2</b>	<b>-</b>	<b>1.2</b>	<b>600.0 #</b>
Assam	-	1.1	-	-	-	-	-	-	79.8
Bihar	63.2	8.8	1.8	-	-	-	-	-	89.8
Odisha	0.2	12.5	-	0.02	2.2	-	-	-	12.2
West Bengal	4.4	670.5	55.9	-	56.4	13.2	-	1.2	394.2
Jharkhand	6.4	8.6	-	-	-	-	-	-	2.1
Manipur	-	-	-	-	-	-	-	-	-
Meghalaya	-	-	-	-	-	-	-	-	1.9
Mizoram	-	-	-	-	-	-	-	-	-
Nagaland	-	-	-	-	-	-	-	-	-
Tripura	-	0.7	-	-	-	-	-	-	20.0
<b>North</b>	<b>519.6</b>	<b>10.7</b>	<b>19.2</b>	<b>-</b>	<b>6.1</b>	<b>2.7</b>	<b>-</b>	<b>-</b>	<b>598.9 #</b>
Haryana	18.8	-	1.1	-	-	-	-	-	154.7
Himachal Pradesh	30.0	-	5.9	-	-	-	-	-	7.2
Jammu & Kashmir	2.6	-	-	-	-	-	-	-	-
Punjab	27.9	-	1.0	-	-	-	-	-	88.5
Uttar Pradesh	409.4	10.7	11.2	-	6.1	2.7	-	-	342.6
Uttarakhand	30.8	-	-	-	-	-	-	-	6.0
Delhi	0.03	-	-	-	-	-	-	-	-
<b>South</b>	<b>71.3</b>	<b>475.1</b>	<b>121.2</b>	<b>80.6</b>	<b>194.4</b>	<b>49.1</b>	<b>52.1</b>	<b>65.9</b>	<b>467.1 #</b>
Andhra Pradesh & Telangana	7.8	112.3	13.5	2.6	150.4	1.3	8.6	19.9	261.2
Telangana	22.8	22.0	7.1	0.9	34.2	3.4	1.6	6.7	36.3
Karnataka	40.6	300.4	72.0	56.3	9.8	28.5	40.6	13.6	79.3
Kerala	-	11.0	5.5	7.9	-	2.6	1.3	3.9	1.1
Tamil Nadu	-	28.8	23.1	12.8	0.001	13.0	-	20.8	89.2
Puducherry	-	0.2	-	-	-	0.3	-	1.1	0.1
A & N Islands	-	0.5	-	-	-	-	-	-	-
<b>West</b>	<b>548.9</b>	<b>665.0</b>	<b>259.7</b>	<b>62.0</b>	<b>12.0</b>	<b>58.75</b>	<b>-</b>	<b>0.4</b>	<b>2,885.1 #</b>
Gujarat	150.7	27.3	9.2	-	-	-	-	-	196.2
Madhya Pradesh	217.9	1.5	5.5	1.6	3.6	-	-	-	1,119.0
Chhattisgarh	38.3	-	1.4	-	-	-	-	-	214.6
Maharashtra	116.8	636.2	243.1	60.3	8.5	58.7	-	0.4	883.9
Rajasthan	25.2	-	-	-	-	-	-	-	471.4
Goa	-	-	0.4	-	-	-	-	-	-
Daman & Diu	-	-	-	-	-	-	-	-	-
D & Nagar Haveli	-	-	-	-	-	-	-	-	-
<b>Others</b>									<b>0.6 \$</b>
<b>All India</b>	<b>1,213.9</b>	<b>1,853.0</b>	<b>457.7</b>	<b>142.6</b>	<b>271.1</b>	<b>123.7</b>	<b>52.1</b>	<b>67.5</b>	<b>4,551.6</b>
\$ = exports									
<sup>4</sup> = includes 153.4 thousand tonnes of Zinc 12-32-16.									

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(Continued)

**4.05 STATE-WISE DESPATCHES OF FERTILISERS - PRODUCT-WISE AND NUTRIENT-WISE  
2015-16 (April-March) (Concluded)**

('000 tonnes)

Zone/States	MOP#	SOP**	Total				
			Product	Nutrient			
				N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	(N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O)
<b>East</b>	<b>486.5</b>	-	<b>9,045.5</b>	<b>2,809.6</b>	<b>1,039.3</b>	<b>505.5</b>	<b>4,354.4</b>
Assam	60.4	-	599.0	192.2	40.4	36.5	269.1
Bihar	141.9	-	3,529.9	1,255.4	356.2	97.8	1,709.4
Odisha	84.8	-	1,123.3	359.3	139.5	54.5	553.3
West Bengal	190.9	-	3,342.6	847.9	459.4	308.2	1,615.5
Jharkhand	3.2	-	371.3	131.8	39.2	5.2	176.2
Manipur	-	-	19.3	8.9	-	-	8.9
Meghalaya	-	-	5.1	1.1	0.7	-	1.7
Mizoram	0.1	-	3.7	1.62	0.02	0.1	1.7
Nagaland	-	-	0.6	0.250	0.005	-	0.25
Tripura	5.2	-	50.7	11.1	4.0	3.3	18.4
<b>North</b>	<b>314.2</b>	-	<b>17,106.9</b>	<b>6,135.2</b>	<b>2,045.6</b>	<b>278.6</b>	<b>8,459.3</b>
Haryana	39.8	-	2,999.1	1,095.5	337.4	27.1	1,460.0
Himachal Pradesh	7.7	-	123.8	38.1	11.6	10.3	60.0
Jammu & Kashmir	15.9	-	225.2	80.9	24.7	10.0	115.5
Punjab	51.3	-	4,100.1	1,575.6	406.6	35.4	2,017.6
Uttar Pradesh	196.1	-	9,214.9	3,164.8	1,239.5	188.9	4,593.3
Uttarakhand	3.3	-	432.0	175.2	25.2	6.9	207.3
Delhi	-	-	11.8	5.1	0.4	0.004	5.6
<b>South</b>	<b>916.6</b>	<b>16.8</b>	<b>12,557.3</b>	<b>3,584.5</b>	<b>1,635.4</b>	<b>779.8</b>	<b>5,999.7</b>
Andhra Pradesh & Telangana	205.7	4.7	3,666.6	1,029.3	500.1	184.9	1,714.3
Telangana	98.0	-	2,461.4	788.1	287.9	76.1	1,152.1
Karnataka	232.3	12.2	3,631.7	986.1	546.4	265.3	1,797.7
Kerala	86.4	-	374.0	91.4	34.8	58.1	184.3
Tamil Nadu	292.3	-	2,400.3	681.9	264.2	193.9	1,140.0
Puducherry	1.9	-	21.5	7.3	1.5	1.4	10.2
A & N Islands	-	-	1.9	0.4	0.6	0.1	1.1
<b>West</b>	<b>576.5</b>	-	<b>19,539.1</b>	<b>5,568.9</b>	<b>2,655.6</b>	<b>666.0</b>	<b>8,890.5</b>
Gujarat	116.2	-	3,515.8	1,163.7	369.7	102.3	1,635.7
Madhya Pradesh	88.7	-	5,009.6	1,340.9	776.8	90.0	2,207.7
Chhattisgarh	73.2	-	1,577.7	469.3	207.0	50.2	726.5
Maharashtra	286.3	-	5,998.6	1,480.9	842.8	412.1	2,735.7
Rajasthan	11.2	-	3,428.4	1,111.3	458.0	10.8	1,580.0
Goa	0.8	-	7.0	2.1	1.0	0.6	3.7
Daman & Diu	-	-	0.2	0.08	0.02	-	0.10
D & Nagar Haveli	-	-	1.9	0.6	0.4	-	1.0
<b>Others</b>			<b>0.6</b>		<b>0.1</b>		<b>0.1</b>
<b>All India</b>	<b>2,293.8</b>	<b>16.8</b>	<b>58,249.4</b>	<b>18,098.2</b>	<b>7,376.0</b>	<b>2,229.9</b>	<b>27,704.0</b>

\* = Include despatches to: (i) mixing units, (ii) exports. \*\* = Despatch figures are not available. Hence, consumption figures have been shown here. # = For direct application.  
@ = All India K<sub>2</sub>O has been derived from the aggregate of statewise despatches of MOP, SOP and various grades of NPKs.. It excludes despatches of MOP/SOP to complex manufacturers.

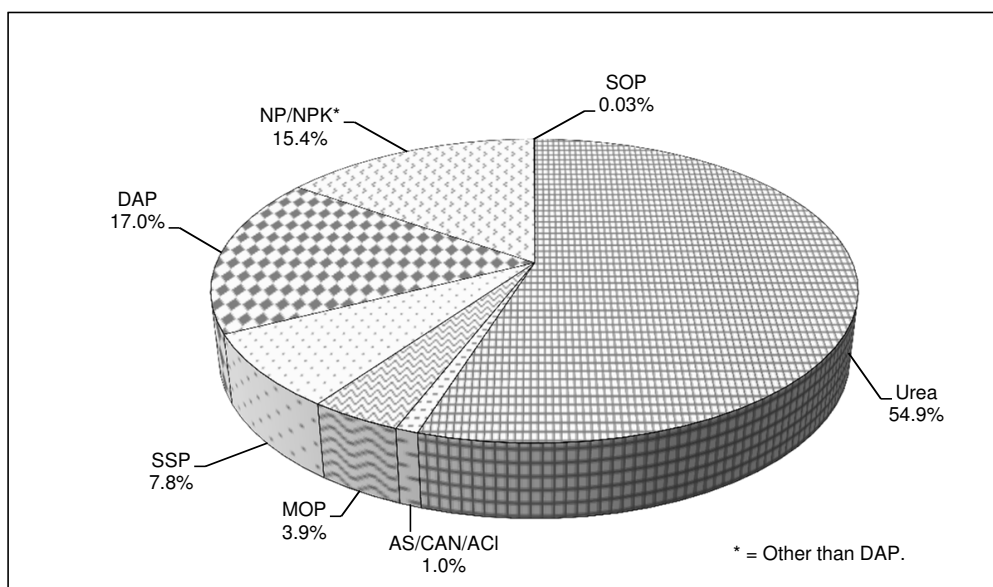
**4.06 DESPATCHES OF TOTAL FERTILISER PRODUCTS  
1990-91, 1995-96, 2005-06, 2010-11 to 2015-16**

('000 tonnes)

Fertiliser/Products	1990-91	1995-96	2005-06	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
<b>A. Nitrogenous</b>									
Ammonium sulphate (20.6% N)	554.7	631.0	620.9	616.0	509.4	529.7	480.7	508.6	563.9
Urea (46% N)	13,201.0	19,241.4	22,031.1	28,334.0	29,759.9	30,324.0	30,120.3	30,847.0	31,973.8 #
Calcium ammonium nitrate (25% N)	411.9	509.0	171.8	98.6	116.4	106.0	46.2	-	-
Ammonium chloride (25% N)	76.4	132.9	65.4	16.2	58.0	3.1	2.4	0.9	5.2 \$
<b>B. NP and NPKs</b>									
16-20-0-13	71.8	172.3	180.6	438.7	632.6	219.8	181.4	75.3	131.8
20-20-0-13 (APS)	539.8	1,206.0	1,581.5	3,203.9	3,146.2	2,499.7	2,940.0 a	3,194.3 a	3,590.6 a
20-20-0 (ANP)	266.9	395.3	428.7	346.4	3,023.5	382.9	373.1	488.4	406.2
16-16-16	-	-	-	271.7	60.1	0.1	109.3	71.9	123.7
28-28-0	336.5	266.5	401.0	161.5	291.2	266.0	314.1	416.2	458.7
14-35-14	21.3	32.2	326.0	617.3	323.7	197.6	143.1	234.7	271.1
23-23-0	17.0	141.8	55.1	100.2	-	-	-	-	-
24-24-0 (ANP)	-	-	-	24.8	176.2	76.9	246.3 b	71.6 b	170.0 b
19-19-19	216.5	174.5	327.1	-	17.6	8.8	89.2	78.7	52.1
15-15-15	363.3	313.3	442.3	491.6	445.0	484.4	336.8	395.1	457.7
15-15-15-09	-	-	-	23.8	71.3	10.1	5.8	24.7	142.6
13-33-0-06	-	-	-	-	252.8	7.0	-	-	-
17-17-17	456.8	726.4	203.5	-	5.4	102.2	57.0	84.1	67.5
10-26-26	278.8	272.8	1,246.9	2,967.2	1,726.1	1,519.0	1,662.5	1,930.1	1,853.0
12-32-16	205.3	363.6	1,505.4	1,162.0	1,272.2	720.0	860.6	1,065.3	1,213.9 c
18-46-0 (DAP)	4,195.0	3,971.0	6,924.2	11,110.2	9,837.8	8,296.6	6,840.0	7,411.6	9,905.1
16-44-0 (DAP Lite)	-	-	-	-	1,198.7	933.5	0.4	-	-
14-46-0 (DAP Lite Grade II)	-	-	-	-	24.9	-	-	-	-
11-52-0 (MAP)	-	-	-	88.4	133.5	55.0	-	-	-
11-44-0 (MAP Lite)	-	-	-	-	224.9	-	-	-	-
14-28-14	-	-	-	-	249.8	-	-	-	-
<b>Total NP/NPKs (other than DAP)</b>	<b>2,774.0</b>	<b>4,064.7</b>	<b>6,698.1</b>	<b>9,897.5</b>	<b>12,052.1</b>	<b>6,549.4</b>	<b>7,319.2</b>	<b>8,130.4</b>	<b>8,939.2</b>
<b>C. Phosphatic</b>									
Single superphosphate (16% P <sub>2</sub> O <sub>5</sub> )	3,593.5	3292.1* [1.7]*	2705.0*	3678.1*	4,608.9 *	4,200.2 *	4,095.7 *	4,196.3 *	4,551.6 *
Triple superphosphate (46% P <sub>2</sub> O <sub>5</sub> )	-	-	-	98.1	155.2	3.5	-	-	-
<b>D. Potassic</b>									
Muriate of potash (60% K <sub>2</sub> O)**	2,155.3	2,018.7	3,706.4	3,897.7	3,072.7	2,035.5	2,260.2	2,929.8	2,293.8
Sulphate of potash (50% K <sub>2</sub> O)	30.7	12.4	27.9	19.3	30.8	34.5	30.5	19.0	16.8 \$
<b>Total N</b>	<b>7,565.5</b>	<b>10,592.2</b>	<b>12,637.8</b>	<b>16,696.7</b>	<b>17,832.3</b>	<b>16,799.0</b>	<b>16,421.6</b>	<b>16,968.4</b>	<b>18,098.2</b>
<b>P<sub>2</sub>O<sub>5</sub></b>	<b>3,099.3</b>	<b>3,219.3</b>	<b>5,264.1</b>	<b>8,142.5</b>	<b>8,739.6</b>	<b>6,432.8</b>	<b>5,501.1</b>	<b>5,994.7</b>	<b>7,376.0</b>
<b>K<sub>2</sub>O @</b>	<b>1,308.5</b>	<b>1,554.7</b>	<b>2,463.4</b>	<b>3,512.8</b>	<b>2,683.0</b>	<b>1,869.6</b>	<b>2,056.9</b>	<b>2,576.2</b>	<b>2,229.9</b>
<b>N+P<sub>2</sub>O<sub>5</sub>+K<sub>2</sub>O</b>	<b>11,973.3</b>	<b>15,366.2</b>	<b>20,365.4</b>	<b>28,352.0</b>	<b>29,255.0</b>	<b>25,101.4</b>	<b>23,979.5</b>	<b>25,539.3</b>	<b>27,704.0</b>
<b>Total Product</b>	<b>26,992.5</b>	<b>33,875.2</b>	<b>42,950.6</b>	<b>57,765.7</b>	<b>61,425.0</b>	<b>53,015.9</b>	<b>51,195.6</b>	<b>54,043.6</b>	<b>58,249.4</b>
[14% P <sub>2</sub> O <sub>5</sub> ]	a = includes 20-20-0-13-0-3.			b = includes 24-24-0-08.			c = includes Zinc 12-32-16.		
# = Despatch figures are not available. Hence, sales figures have been shown here.	\$ = Consumption figures.								
* Includes despatches to : (i) Mixing units, (ii) Export.	** = Direct despatches to states. Excludes despatches to complex fertiliser manufacturing units.								
@ = All India K <sub>2</sub> O has been derived from the aggregate of statewise despatches of MOP, SOP and various grades of NPKs. It excludes despatches of MOP/SOP to complex manufacturers.									



**Fig. 4: SHARE OF VARIOUS FERTILISER PRODUCTS TO TOTAL DESPATCHES OF FERTILISERS - 2015-16**



**4.07 ALL INDIA SHARE OF COOPERATIVES IN TOTAL DISTRIBUTION OF FERTILISERS  
1990-91 to 2015-16**

Year	Percentage share of cooperatives
1990-91	31.65
1991-92	33.77
1992-93	34.01
1993-94	32.64
1994-95	30.35
1995-96	32.24
1996-97	35.99
1997-98	30.91
1998-99	29.02
1999-2000	27.65
2000-01	36.17
2001-02	35.00
2004-05 (Estimated)	35.00
2014-15 (Estimated)	35.00
2015-16 (Estimated)	35.00

4.08 QUANTUM OF FERTILISERS MOVED BY RAIL AND AVERAGE LEAD 1980-81 to 2015-16			
Year	Average lead of fertilisers (Rail) (km)	Quantity moved by rail ('000 tonnes)	Share of rail movement to total (per cent)
1980-81	1,100	8,108	67
1981-82	1,013	9,568	72
1982-83	969	8,515	62
1983-84	1,020	8,147	53
1984-85	1,089	12,208	68
1985-86	1,094	13,620	69
1986-87	1,073	14,532	67
1987-88	1,089	13,177	68
1988-89	1,011	16,100	66
1989-90	975	16,970	67
1990-91	940	18,360	68
1991-92	935	18,500	66
1992-93	908	18,900	70
1993-94	933	19,500	74
1994-95	922	21,500	71
1995-96	920	23,700	73
1996-97	881	20,820	70
1997-98	854	27,336	74
1998-99	826	27,868	76
1999-2000	822	24,410	79
2000-01	862	27,093	75
2001-02	855	26,917	74
2002-03	874	26,300	75
2003-04	855	26,180	75
2004-05	845	27,960	73
2005-06	824	31,350	73
2006-07	827	34,076	73
2007-08	827	34,045	73
2008-09	801	41,350	83
2009-10	827	39,358	75
2010-11	827	47,945	83
2011-12	827	46,069	75
2012-13 (Est.)	827	39,762	75
2013-14 (Est.)	827	40,956	80
2014-15 (Est.)	827	43,235	80
2015-16 (Est.)	827	46,599	80

Source: 1. Ministry of Railways, New Delhi.  
2. Economic Survey, Ministry of Finance, New Delhi.  
3. Various issues of *Annual Report*, Deptt. of Fertilizers, Ministry of Chem. & Ferts., N.Delhi.

4.09 MONTH-WISE SALES OF MAJOR FERTILISER PRODUCTS 2014-15 to 2016-17						
Month	Urea			DAP		
	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17
April	1,576.23	2,117.37	982.85	164.85	310.75	193.56
May	2,170.33	2,472.79	1,916.60	367.84	838.25	505.91
June	2,713.63	2,431.23	2,837.74	623.22	1,101.36	807.53
July	2,656.33	2,949.25	2,975.45	776.08	773.85	549.64
August	2,429.43	2,994.08	3,110.51	863.29	780.61	862.17
September	2,456.87	2,515.99	2,591.71	938.81	1,268.90	1,321.09
<b>April-September (Kharif)</b>	<b>14,002.82</b>	<b>15,480.70</b>	<b>14,414.86</b>	<b>3,734.10</b>	<b>5,073.72</b>	<b>4,239.90</b>
October	2,295.06	2,918.32		800.87	892.10	
November	2,703.26	2,737.44		1,118.47	918.67	
December	3,590.90	3,053.82		483.08	654.25	
January	3,118.90	2,713.23		298.39	364.57	
February	2,712.82	2,149.79		400.85	623.30	
March	2,459.58	2,920.50		753.65	1,238.20	
<b>October - March (Rabi)</b>	<b>16,880.52</b>	<b>16,493.10</b>		<b>3,855.31</b>	<b>4,691.10</b>	
<b>Total (April-March)</b>	<b>30,883.34</b>	<b>31,973.80</b>		<b>7,589.41</b>	<b>9,764.82</b>	
Month	NP/NPKs			MOP (for direct use)*		
	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17
April	185.08	241.71	171.87	48.81	70.59	70.95
May	415.16	431.04	439.83	117.68	146.54	163.70
June	636.36	957.72	801.04	266.33	238.81	217.39
July	777.12	817.45	682.26	307.08	234.93	258.22
August	775.07	871.72	772.64	284.34	242.96	269.20
September	921.28	988.68	1,093.31	390.41	333.77	372.07
<b>April-September (Kharif)</b>	<b>3,710.07</b>	<b>4,308.31</b>	<b>3,960.95</b>	<b>1,414.65</b>	<b>1,267.60</b>	<b>1,351.53</b>
October	777.26	635.37		241.28	218.86	
November	790.58	663.35		246.32	206.10	
December	722.58	784.98		202.03	205.47	
January	603.72	638.12		186.30	187.44	
February	682.15	820.58		210.97	162.73	
March	927.62	1,028.64		282.54	193.50	
<b>October - March (Rabi)</b>	<b>4,503.91</b>	<b>4,571.05</b>		<b>1,369.44</b>	<b>1,174.10</b>	
<b>Total (April-March)</b>	<b>8,213.98</b>	<b>8,879.36</b>		<b>2,784.09</b>	<b>2,441.70</b>	

\* = excludes supplies to NPK complex fertiliser plants.

## 5.00 FERTILISER SALE POINTS

5.01 NUMBER OF FERTILISER SALE POINTS - ALL INDIA					
1966-67 to 2015-16					
As on	Cooperative and other institutional agencies (number)	Per cent Share to total	Private (number)	Per cent share to total	Total no. of sale points
31-3-1967	48,031		n.a.		n.a.
31-3-1968	41,052		n.a.		n.a.
31-3-1969	36,505	1	55	30,071	45
31-3-1970	33,418		47	38,234	53
31-3-1971	30,670		38	50,790	62
31-3-1972	n.a.		n.a.		n.a.
31-3-1973	39,266	45	47,129	55	86,395
31-3-1974	37,911	40	56,384	60	94,295
31-3-1975	39,156	40	59,473	60	98,629
31-3-1976	39,950	42	54,673	58	94,623
31-3-1977	33,404	40	49,916	60	83,320
31-3-1978	43,264	42	58,575	58	1,01,839
31-3-1979	46,224	40	69,293	60	1,15,517
31-3-1980	51,560	44	64,862	56	1,16,422
31-3-1981	41,837	38	68,127	62	1,09,964
31-3-1982	43,127	37	71,943	63	1,15,070
31-3-1983	50,243	38	80,590	62	1,30,833
31-3-1984	55,279	38	90,538	62	1,45,817
31-3-1985	59,658	38	96,080	62	1,55,738
31-3-1986	58,370	36	1,02,159	64	1,60,529
31-3-1987	56,755	35	1,05,750	65	1,62,505
31-3-1988	60,991	35	1,13,959	65	1,74,950
31-3-1989	72,142	35	1,35,047	65	2,07,189
31-3-1990	80,040	35	1,51,130	65	2,31,170
31-3-1991	71,980	31	1,60,525	69	2,32,505
31-3-1992	73,107	30	1,72,826	70	2,45,933
31-3-1993	76,653	31	1,71,629	69	2,48,282
31-3-1994	77,682	31	1,75,302	69	2,52,984
31-3-1995	79,460	31	1,79,560	69	2,59,020
31-3-1996	75,093	29	1,84,158	71	2,59,251
31-3-1997	70,648	27	1,91,259	73	2,61,907
31-3-1998	70,176	26	2,01,738	74	2,71,914
31-3-1999	72,579	26	2,07,818	74	2,80,397
31-3-2000	73,933	26	2,05,360	74	2,79,293
31-3-2001	73,136	26	2,11,828	74	2,84,964
31-3-2002	69,511	24	2,17,883	76	2,87,394
31-3-2003	69,098	24	2,14,003	76	2,83,101
31-3-2004	63,995	23	2,18,473	77	2,82,468
31-3-2005	66,847	23	2,21,909	77	2,88,756
31-3-2006	62,401	21	2,30,291	79	2,92,692
31-3-2007	56,707	21	2,14,508	79	2,71,215
31-3-2008	56,386	22	2,02,332	78	2,58,718
31-3-2009	59,288	22	2,08,832	78	2,68,120
31-3-2010	60,647	22	2,15,666	78	2,76,313
31-3-2011	62,950	23	2,12,512	77	2,75,462
31-3-2012	62,637	23	2,06,538	77	2,69,175
31-3-2013	67,647	22	2,34,484	78	3,02,131
31-3-2014	71,373	23	2,32,962	77	3,04,335
31-3-2015	72,742	24	2,32,467	76	3,05,209
31-3-2016 (P)	71,852	24	2,28,516	76	3,00,368

1. Interim Report on Fertiliser Distribution - National Commission on Agriculture, New Delhi. (P) = Provisional.

2. By difference. n.a. = not available. Source: Ministry of Agriculture & Farmers Welfare, Govt. of India.

**5.02 NUMBER OF FERTILISER SALE POINTS-STATE-WISE**

**(As on 31.3.2014, 31.3.2015 and 31.3.2016)**

Zone/State	As on 31.3.2014					As on 31.3.2015					As on 31.3.2016 (P)				
	Coop.& other Inst. agencies		Private		Total	Coop.& other Inst. agencies		Private		Total	Coop.& other Inst. agencies		Private		Total
	No.	% share of total	No.	% share of total	No.	No.	% share of total	No.	% share of total	No.	No.	% share of total	No.	% share of total	No.
<b>East</b>	<b>11,590</b>	<b>15.1</b>	<b>64,991</b>	<b>84.9</b>	<b>76,581</b>	<b>11,798</b>	<b>15.5</b>	<b>64,493</b>	<b>84.5</b>	<b>76,291</b>	<b>12,369</b>	<b>17.2</b>	<b>59,459</b>	<b>82.8</b>	<b>71,828</b>
Assam	365	5.3	6,475	94.7	6,840	365	5.3	6,475	94.7	6,840	365	5.3	6,475	94.7	6,840
Bihar	8,001	34.2	15,422	65.7	23,423	8,001	34.2	15,422	65.7	23,423	8,001	34.2	15,422	65.8	23,423
Jharkhand	593	20.1	2,350	79.9	2,943	743	24.0	2,350	76.0	3,093	695	21.4	2,555	78.6	3,250
Manipur	-	-	385	100.0	385	13	3.4	375	96.6	388	23	6.2	350	93.8	373
Meghalaya	-	-	280	100.0	280	-	-	93	100.0	93	2	0.7	290	99.3	292
Nagaland	-	-	6	100.0	6	32	84.2	6	15.8	38	32	84.2	6	15.8	38
Odisha	100	0.8	12,367	99.2	12,467	111	0.9	11,747	99.1	11,858	718	6.7	9,940	93.3	10,658
Tripura	431	33.4	859	66.6	1,290	431	33.4	859	66.6	1,290	431	33.4	859	66.6	1,290
West Bengal	2,100	7.3	26,842	92.7	28,942	2,101	7.2	27,130	92.8	29,231	2,101	8.2	23,534	91.8	25,635
Arunachal Pradesh	-	--	-	--	-	-	-	8	100.0	8	-	--	-	--	-
Mizoram	-	-	5	100.0	5	1	3.4	28	96.6	29	1	3.4	28	96.6	29
<b>North</b>	<b>21,861</b>	<b>26.4</b>	<b>60,997</b>	<b>73.6</b>	<b>82,858</b>	<b>21,662</b>	<b>27.6</b>	<b>56,682</b>	<b>72.4</b>	<b>78,344</b>	<b>21,777</b>	<b>27.7</b>	<b>56,765</b>	<b>72.3</b>	<b>78,542</b>
Haryana	2,479	25.0	7,453	75.0	9,932	2,224	23.0	7,453	77.0	9,677	2,139	22.1	7,527	77.9	9,666
Himachal Pradesh	1,826	68.4	842	31.6	2,668	1,835	68.7	836	31.3	2,671	1,785	70.8	736	29.2	2,521
Jammu & Kashmir	3,371	100.0	-	-	3,371	3,580	100.0	-	-	3,580	3,831	100.0	-	-	3,831
Punjab	3,644	33.1	7,365	66.9	11,009	3,662	33.0	7,421	67.0	11,083	3,662	32.7	7,542	67.3	11,204
Uttar Pradesh	9,625	17.8	44,345	82.2	53,970	9,630	19.4	40,050	80.6	49,680	9,630	19.4	40,050	80.6	49,680
Uttarakhand	905	51.3	860	48.7	1,765	720	48.3	772	51.7	1,492	720	48.3	772	51.7	1,492
Chandigarh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Delhi	11	7.7	132	92.3	143	11	6.8	150	93.2	161	10	6.8	138	93.2	148

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(Continued)

**5.02 NUMBER OF FERTILISER SALE POINTS-STATE-WISE (Concluded)**

(As on 31.3.2014, 31.3.2015 and 31.3.2016)

Zone/State	As on 31.3.2014					As on 31.3.2015					As on 31.3.2016 (P)				
	Coop.& other Inst. agencies		Private		Total	Coop.& other Inst. agencies		Private		Total	Coop.& other Inst. agencies		Private		Total
	No.	% share of total	No.	% share of total	No.	No.	% share of total	No.	% share of total	No.	No.	% share of total	No.	% share of total	No.
<b>South</b>	<b>13,042</b>	<b>28.7</b>	<b>32,361</b>	<b>71.3</b>	<b>45,403</b>	<b>14,061</b>	<b>29.8</b>	<b>33,172</b>	<b>70.2</b>	<b>47,233</b>	<b>14,808</b>	<b>30.9</b>	<b>33,047</b>	<b>69.1</b>	<b>47,855</b>
Andhra Pradesh	2,750 *	16.7	13,703 *	83.3	16,453 *	1,953	22.1	6,887	77.9	8,840	2,725	30.2	6,302	69.8	9,027
Telangana						1,395	19.3	5,851	80.7	7,246	1,080	15.6	5,851	84.4	6,931
Karnataka	4,083	30.9	9,129	69.1	13,212	4,482	33.3	8,996	66.7	13,478	4,555	33.6	8,996	66.4	13,551
Kerala	1,639	44.8	2,022	55.2	3,661	1,629	44.6	2,022	55.4	3,651	1,364	40.9	1,970	59.1	3,334
Tamil Nadu	4,473	37.6	7,427	62.4	11,900	4,516	32.6	9,341	67.4	13,857	4,996	33.7	9,848	66.3	14,844
Puducherry	48	37.5	80	62.5	128	33	30.6	75	69.4	108	35	30.4	80	69.6	115
A & N Islands	49	100.0	-	-	49	53	100.0	-	-	53	53	100.0	-	-	53
Lakshadweep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>West</b>	<b>24,880</b>	<b>25.0</b>	<b>74,613</b>	<b>75.0</b>	<b>99,493</b>	<b>25,221</b>	<b>24.4</b>	<b>78,120</b>	<b>75.6</b>	<b>1,03,341</b>	<b>22,898</b>	<b>22.4</b>	<b>79,245</b>	<b>77.6</b>	<b>1,02,143</b>
Gujarat	9,245	46.8	10,490	53.2	19,735	9,226	46.8	10,494	53.2	19,720	7,947	44.4	9,969	55.6	17,916
Madhya Pradesh	5,298	36.8	9,098	63.2	14,396	5,298	36.8	9,098	63.2	14,396	5,298	36.8	9,098	63.2	14,396
Chhattisgarh	1,476	27.9	3,817	72.1	5,293	1,476	26.8	4,031	73.2	5,507	1,476	26.8	4,031	73.2	5,507
Maharashtra	4,242	9.6	39,804	90.4	44,046	4,590	9.6	43,073	90.4	47,663	3,503	7.3	44,582	92.7	48,085
Rajasthan	4,560	28.7	11,350	71.3	15,910	4,570	28.7	11,370	71.3	15,940	4,613	28.6	11,511	71.4	16,124
Goa	48	48.0	52	52.0	100	50	49.0	52	51.0	102	50	49.0	52	51.0	102
D & N Haveli	11	91.7	1	8.3	12	11	91.7	1	8.3	12	11	91.7	1	8.3	12
Daman & Diu	-	-	1	100.0	1	-	-	1	100.0	1	-	-	1	100.0	1
<b>All India</b>	<b>71,373</b>	<b>23.5</b>	<b>2,32,962</b>	<b>76.5</b>	<b>3,04,335</b>	<b>72,742</b>	<b>23.8</b>	<b>2,32,467</b>	<b>76.2</b>	<b>3,05,209</b>	<b>71,852</b>	<b>23.9</b>	<b>2,28,516</b>	<b>76.1</b>	<b>3,00,368</b>

(P) = Provisional.

\* = Includes Telangana.

Note: Number of sale points for 2013-14 have been repeated in 2014-15 and 2015-16 for D & N Haveli and Daman & Diu due to non-availability of data in these UTs.

Source : 1. Ministry of Agriculture & Farmers Welfare, Govt. of India.

2. State Department of Agriculture.

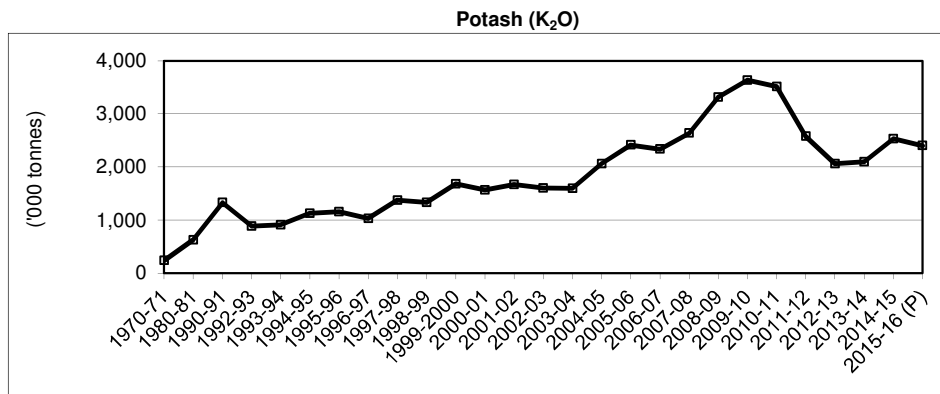
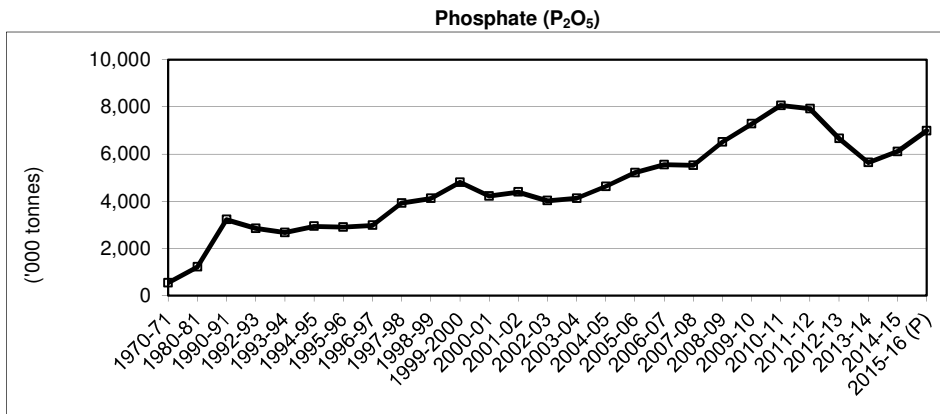
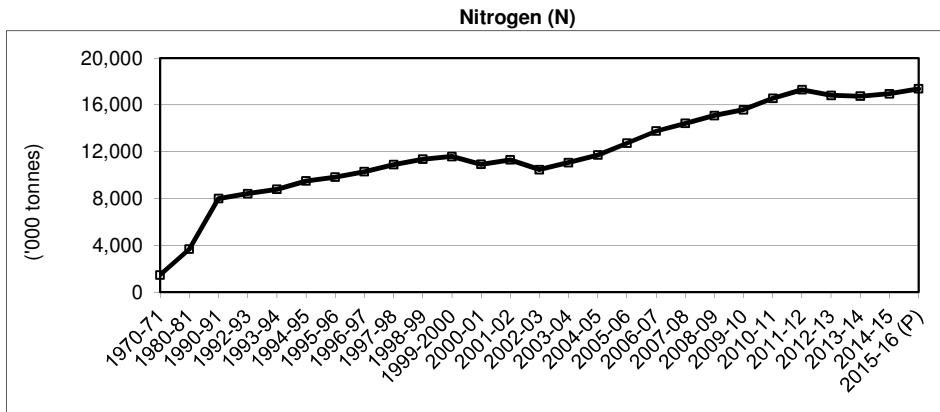
## 6.00 CONSUMPTION OF FERTILISERS

6.01 (a) ALL INDIA CONSUMPTION OF N, P <sub>2</sub> O <sub>5</sub> & K <sub>2</sub> O (1950-51 to 2015-16)					
Year		N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total (N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O)
1950-51		55.0	8.8	6.0	69.8
1951-52	I Plan	58.7	6.9		65.6
1952-53		57.8	4.6	3.3	65.7
1953-54		89.3	8.3	7.5	105.0
1954-55		94.8	15.0	11.1	120.9
1955-56		107.5	13.0	10.3	130.8
1956-57	II Plan	123.1	15.9	14.8	153.7
1957-58		149.0	21.9	12.8	183.7
1958-59		172.0	29.5	22.4	223.8
1959-60		229.3	53.9	21.3	304.6
1960-61		211.7	53.1	29.0	293.8
1961-62	III Plan	249.8	60.5	28.0	338.3
1962-63		333.0	82.8	36.4	452.2
1963-64		376.1	116.5	50.6	543.2
1964-65		555.2	148.7	69.3	773.2
1965-66		574.8	132.5	77.3	784.6
1966-67		737.8	248.6	114.2	1,100.6
1967-68		1,034.6	334.8	169.6	1,539.0
1968-69		1,208.6	382.1	170.0	1,760.7
1969-70	IV Plan	1,356.0	416.0	210.0	1,982.0
1970-71		1,479.3	541.0	236.3	2,256.6
1971-72		1,798.0	558.2	300.6	2,656.8
1972-73		1,839.0	581.3	347.6	2,767.9
1973-74		1,829.0	649.7	359.8	2,838.6
1974-75	V Plan	1,765.7	471.5	336.1	2,573.3
1975-76		2,148.6	466.8	278.3	2,893.7
1976-77		2,456.9	634.7	319.2	3,410.9
1977-78		2,913.0	866.6	506.2	4,285.8
1978-79		3,419.5	1,106.0	591.5	5,116.9
1979-80		3,498.1	1,150.9	606.4	5,255.4
1980-81	VI Plan	3,678.1	1,213.6	623.9	5,515.6
1981-82 (Feb./January)		4,068.7	1,322.3	676.2	6,067.2
1982-83 (Feb./ January)		4,224.2	1,435.9	726.5	6,386.6
1982-83 ( April/March)		4,242.5	1,432.7	726.3	6,401.4
1983-84		5,204.4	1,730.3	775.4	7,710.1
1984-85		5,486.1	1,886.4	838.5	8,211.0
1985-86	VII Plan	5,660.8	2,005.2	808.1	8,474.1
1986-87		5,716.0	2,078.9	850.0	8,644.9
1987-88		5,716.8	2,187.1	880.5	8,784.3
1988-89		7,251.0	2,720.7	1,068.4	11,040.1
1989-90		7,385.9	3,014.2	1,168.0	11,568.2
1990-91		7,997.2	3,221.0	1,328.0	12,546.2
1991-92		8,046.3	3,321.2	1,360.6	12,728.0
1992-93	VIII Plan	8,426.8	2,843.8	883.9	12,154.5
1993-94		8,788.3	2,669.3	908.7	12,366.3
1994-95		9,507.1	2,931.7	1,124.8	13,563.6
1995-96		9,822.8	2,897.5	1,155.8	13,876.2
1996-97		10,301.8	2,976.8	1,029.6	14,308.1
1997-98	IX Plan	10,901.8	3,913.6	1,372.5	16,187.8
1998-99		11,353.8	4,112.2	1,331.5	16,797.5
1999-2000		11,592.5	4,797.9	1,678.4	18,068.9
2000-01		10,920.2	4,214.6	1,567.5	16,702.3
2001-02		11,310.2	4,382.4	1,667.1	17,359.7
2002-03	X Plan	10,474.1	4,018.8	1,601.2	16,094.1
2003-04		11,077.0	4,124.3	1,597.9	16,799.1
2004-05		11,713.9	4,623.8	2,060.7	18,398.4
2005-06		12,723.3	5,203.7	2,413.3	20,340.3
2006-07		13,772.9	5,543.3	2,334.8	21,651.0
2007-08	XI Plan	14,419.1	5,514.7	2,636.3	22,570.1
2008-09		15,090.5	6,506.2	3,312.6	24,909.3
2009-10		15,580.0	7,274.0	3,632.4	26,486.4
2010-11		16,558.2	8,049.7	3,514.3	28,122.2
2011-12		17,300.3	7,914.3	2,575.5	27,790.0
2012-13	XII Plan (4th year)	16,820.9	6,653.4	2,061.8	25,536.2
2013-14		16,750.1	5,633.5	2,098.9	24,482.4
2014-15		16,949.6	6,098.9	2,532.9	25,581.3
2015-16 (P)		17,372.3	6,978.8	2,401.5	26,752.6

(P) = Provisional.

Note : Total may not exactly tally due to rounding off.

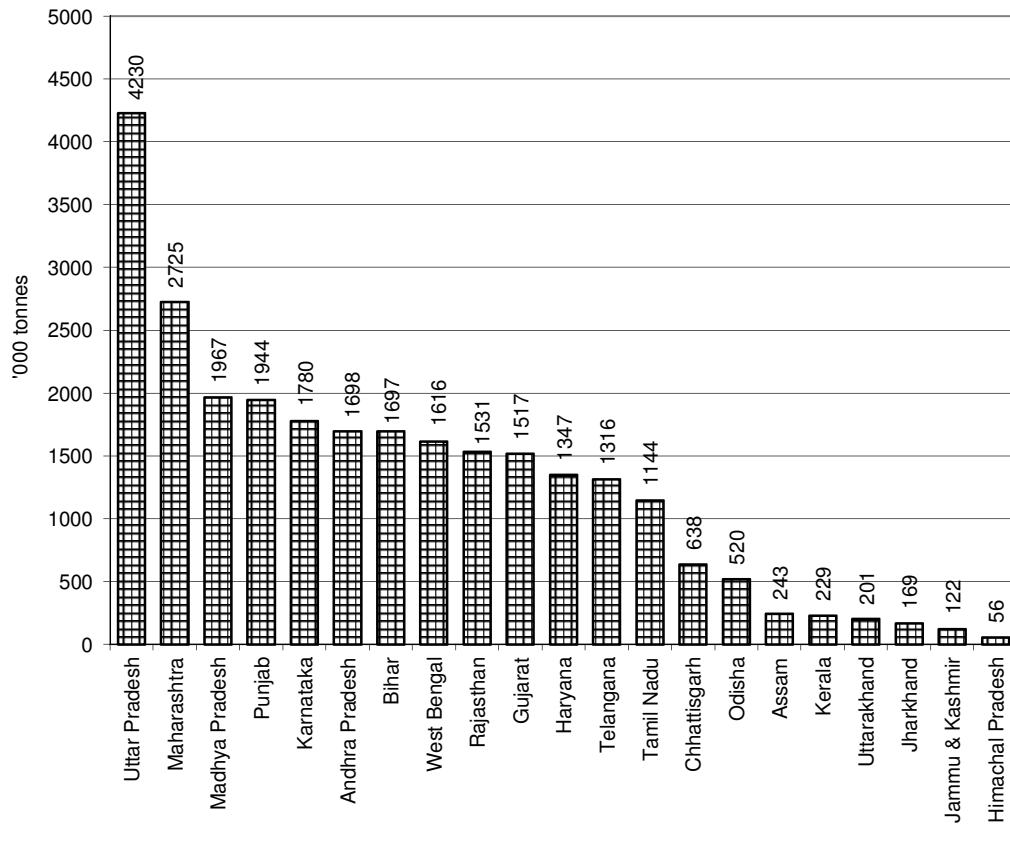
**Fig. 5: TRENDS IN CONSUMPTION OF FERTILISER NUTRIENTS  
(1970-71, 1980-81, 1990-91 to 2015-16)**



(P) = Provisional.



**Fig. 6: STATEWISE CONSUMPTION OF FERTILISER NUTRIENTS ( N + P<sub>2</sub>O<sub>5</sub> + K<sub>2</sub>O) - 2015-16**



Note: The states mentioned above are major to medium fertiliser consuming states.

6.01 (b) SEASON-WISE CONSUMPTION OF N, P <sub>2</sub> O <sub>5</sub> & K <sub>2</sub> O AND TOTAL BY STATES AND PERCENTAGE VARIATION (2014-15 and 2015-16)								
Sl. No.	Zone / State	Nutrient	Consumption ('000 tonnes)					
			2014-15			2015-16 (P)		
			Kharif	Rabi	Total	Kharif	Rabi	Total
<b>I.</b>	<b>EAST</b>	<b>N</b>	<b>1,118.23</b>	<b>1,225.23</b>	<b>2,343.46</b>	<b>1,275.42</b>	<b>1,455.27</b>	<b>2,730.69</b>
		<b>P<sub>2</sub>O<sub>5</sub></b>	<b>374.23</b>	<b>457.74</b>	<b>831.97</b>	<b>445.42</b>	<b>565.32</b>	<b>1,010.74</b>
		<b>K<sub>2</sub>O</b>	<b>268.89</b>	<b>311.26</b>	<b>580.15</b>	<b>240.06</b>	<b>305.07</b>	<b>545.13</b>
		<b>Total</b>	<b>1,761.35</b>	<b>1,994.23</b>	<b>3,755.58</b>	<b>1,960.90</b>	<b>2,325.66</b>	<b>4,286.56</b>
1	Arunachal Pradesh	N	-	-	-	0.26	0.18	0.44
		P <sub>2</sub> O <sub>5</sub>	-	-	-	0.01	0.02	0.03
		K <sub>2</sub> O	-	-	-	0.03	0.06	0.09
		Total	-	-	-	0.30	0.26	0.56
2	Assam	N	72.47	83.45	155.92	75.78	93.43	169.21
		P <sub>2</sub> O <sub>5</sub>	22.98	27.20	50.18	16.46	17.07	33.53
		K <sub>2</sub> O	39.88	40.46	80.34	19.30	20.58	39.88
		Total	135.33	151.11	286.44	111.54	131.08	242.62
3	Bihar	N	433.12	566.79	999.91	499.85	749.94	1,249.79
		P <sub>2</sub> O <sub>5</sub>	82.36	152.76	235.12	128.10	212.80	340.90
		K <sub>2</sub> O	39.37	71.79	111.16	35.44	70.72	106.16
		Total	554.85	791.34	1,346.19	663.39	1,033.46	1,696.85
4	Jharkhand	N	55.69	36.11	91.80	79.45	43.39	122.84
		P <sub>2</sub> O <sub>5</sub>	13.50	6.08	19.58	28.27	12.74	41.01
		K <sub>2</sub> O	2.01	1.23	3.24	4.51	0.90	5.41
		Total	71.20	43.42	114.62	112.23	57.03	169.26
5	Manipur	N	9.47	1.55	11.02	8.18	2.11	10.29
		P <sub>2</sub> O <sub>5</sub>	1.58	0.57	2.15	1.85	0.92	2.77
		K <sub>2</sub> O	1.41	0.53	1.94	1.26	0.48	1.74
		Total	12.46	2.65	15.11	11.29	3.51	14.80
6	Meghalaya	N	1.27	0.13	1.40	-	-	-
		P <sub>2</sub> O <sub>5</sub>	0.36	0.01	0.37	-	-	-
		K <sub>2</sub> O	0.31	0.001	0.31	-	-	-
		Total	1.94	0.14	2.08	-	-	-
7	Mizoram	N	1.89	0.69	2.58	0.69	0.92	1.61
		P <sub>2</sub> O <sub>5</sub>	0.10	-	0.10	0.19	0.10	0.29
		K <sub>2</sub> O	0.27	-	0.27	0.29	0.13	0.42
		Total	2.26	0.69	2.95	1.17	1.15	2.32
8	Nagaland	N	0.69	0.64	1.33	0.69	0.50	1.19
		P <sub>2</sub> O <sub>5</sub>	0.40	0.39	0.79	0.40	0.41	0.81
		K <sub>2</sub> O	0.25	0.23	0.48	0.25	0.26	0.51
		Total	1.34	1.26	2.60	1.34	1.17	2.51
9	Odisha	N	216.79	97.28	314.07	254.71	72.48	327.19
		P <sub>2</sub> O <sub>5</sub>	83.97	42.26	126.23	90.90	42.76	133.66
		K <sub>2</sub> O	41.03	18.21	59.24	36.81	22.04	58.85
		Total	341.79	157.75	499.54	382.42	137.28	519.70

(Continued)

6.01 (b) SEASON-WISE CONSUMPTION OF N, P <sub>2</sub> O <sub>5</sub> & K <sub>2</sub> O AND TOTAL BY STATES AND PERCENTAGE VARIATION (2014-15 and 2015-16) (Continued)								
Sl. No.	Zone / State	Nutrient	± % variation over previous season/year					
			2014-15			2015-16 (P)		
			Kharif	Rabi	Total	Kharif	Rabi	Total
<b>I.</b>	<b>EAST</b>	<b>N</b>	<b>2.29</b>	<b>8.63</b>	<b>5.51</b>	<b>14.06</b>	<b>18.78</b>	<b>16.52</b>
		<b>P<sub>2</sub>O<sub>5</sub></b>	<b>44.07</b>	<b>14.16</b>	<b>25.91</b>	<b>19.02</b>	<b>23.50</b>	<b>21.49</b>
		<b>K<sub>2</sub>O</b>	<b>17.87</b>	<b>9.05</b>	<b>12.97</b>	<b>-10.72</b>	<b>-1.99</b>	<b>-6.04</b>
		<b>Total</b>	<b>11.40</b>	<b>9.92</b>	<b>10.61</b>	<b>11.33</b>	<b>16.62</b>	<b>14.14</b>
1	Arunachal Pradesh	N	--	--	--	--	--	--
		P <sub>2</sub> O <sub>5</sub>	--	--	--	--	--	--
		K <sub>2</sub> O	--	--	--	--	--	--
		Total	--	--	--	--	--	--
2	Assam	N	5.93	0.72	3.08	4.57	11.96	8.52
		P <sub>2</sub> O <sub>5</sub>	24.49	17.04	20.34	-28.37	-37.24	-33.18
		K <sub>2</sub> O	19.69	-13.47	0.32	-51.60	-49.13	-50.36
		Total	12.60	-1.14	4.91	-17.58	-13.26	-15.30
3	Bihar	N	2.71	6.29	4.71	15.41	32.31	24.99
		P <sub>2</sub> O <sub>5</sub>	44.11	0.04	12.04	55.54	39.30	44.99
		K <sub>2</sub> O	15.76	15.85	15.82	-9.98	-1.49	-4.50
		Total	8.19	5.81	6.77	19.56	30.60	26.05
4	Jharkhand	N	1.20	31.55	11.30	42.66	20.16	33.81
		P <sub>2</sub> O <sub>5</sub>	68.12	-34.48	13.11	109.41	109.54	109.45
		K <sub>2</sub> O	37.67	-44.84	-12.20	124.38	-26.83	66.98
		Total	10.35	11.45	10.77	57.63	31.35	47.67
5	Manipur	N	50.80	-22.11	33.25	-13.62	36.13	-6.62
		P <sub>2</sub> O <sub>5</sub>	97.50	-	56.93	17.09	61.40	28.84
		K <sub>2</sub> O	271.05	-32.05	67.24	-10.64	-9.43	-10.31
		Total	67.02	-20.66	39.91	-9.39	32.45	-2.05
6	Meghalaya	N	-36.50	-91.39	-60.11	-100.00	-100.00	-100.00
		P <sub>2</sub> O <sub>5</sub>	-47.06	-97.22	-64.42	-100.00	-100.00	-100.00
		K <sub>2</sub> O	47.62	-98.33	15.19	-100.00	-100.00	-100.00
		Total	-32.87	-92.69	-56.83	-100.00	-100.00	-100.00
7	Mizoram	N	-28.68	137.93	-12.24	-63.49	33.33	-37.60
		P <sub>2</sub> O <sub>5</sub>	25.00	-100.00	-56.52	90.00	--	190.00
		K <sub>2</sub> O	92.86	-100.00	-6.90	7.41	--	55.56
		Total	-21.25	16.95	-14.74	-48.23	66.67	-21.36
8	Nagaland	N	6.15	52.38	24.30	-	-21.88	-10.53
		P <sub>2</sub> O <sub>5</sub>	11.11	14.71	12.86	-	5.13	2.53
		K <sub>2</sub> O	47.06	35.29	41.18	-	13.04	6.25
		Total	13.56	35.48	23.22	-	-7.14	-3.46
9	Odisha	N	-14.11	60.53	0.35	17.49	-25.49	4.18
		P <sub>2</sub> O <sub>5</sub>	3.88	14.59	7.24	8.25	1.18	5.89
		K <sub>2</sub> O	-2.86	28.24	4.96	-10.29	21.03	-0.66
		Total	-8.97	41.25	2.55	11.89	-12.98	4.04

Note: Please refer Table 6.16 for consumption data of Meghalaya and Mizoram.

(Continued)

6.01 (b) SEASON-WISE CONSUMPTION OF N, P <sub>2</sub> O <sub>5</sub> & K <sub>2</sub> O AND TOTAL BY STATES AND PERCENTAGE VARIATION (2014-15 and 2015-16) (Continued)								
Sl. No.	Zone / State	Nutrient	Consumption ('000 tonnes)					
			2014-15			2015-16 (P)		
			Kharif	Rabi	Total	Kharif	Rabi	Total
10	Sikkim	N	-	-	-	-	-	-
		P <sub>2</sub> O <sub>5</sub>	-	-	-	-	-	-
		K <sub>2</sub> O	-	-	-	-	-	-
		Total	-	-	-	-	-	-
11	Tripura	N	4.07	4.51	8.58	3.90	5.67	9.57
		P <sub>2</sub> O <sub>5</sub>	3.27	3.36	6.63	2.86	3.67	6.53
		K <sub>2</sub> O	1.86	2.07	3.93	3.20	2.98	6.18
		Total	9.20	9.94	19.14	9.96	12.32	22.28
12	West Bengal	N	322.77	434.08	756.85	351.91	486.65	838.56
		P <sub>2</sub> O <sub>5</sub>	165.71	225.11	390.82	176.38	274.83	451.21
		K <sub>2</sub> O	142.50	176.74	319.24	138.97	186.92	325.89
		Total	630.98	835.93	1,466.91	667.26	948.40	1,615.66
<b>II.</b>	<b>NORTH</b>	<b>N</b>	<b>2,532.22</b>	<b>3,248.06</b>	<b>5,780.28</b>	<b>2,760.18</b>	<b>2,949.08</b>	<b>5,709.26</b>
		<b>P<sub>2</sub>O<sub>5</sub></b>	<b>617.52</b>	<b>943.77</b>	<b>1,561.29</b>	<b>884.32</b>	<b>984.88</b>	<b>1,869.20</b>
		<b>K<sub>2</sub>O</b>	<b>116.20</b>	<b>176.84</b>	<b>293.04</b>	<b>137.77</b>	<b>190.21</b>	<b>327.98</b>
		<b>Total</b>	<b>3,265.94</b>	<b>4,368.67</b>	<b>7,634.61</b>	<b>3,782.27</b>	<b>4,124.17</b>	<b>7,906.44</b>
1	Haryana	N	420.86	592.43	1,013.29	425.04	612.06	1,037.10
		P <sub>2</sub> O <sub>5</sub>	110.75	142.91	253.66	138.70	151.90	290.60
		K <sub>2</sub> O	21.80	14.40	36.20	7.30	12.40	19.70
		Total	553.41	749.74	1,303.15	571.04	776.36	1,347.40
2	Himachal Pradesh	N	16.87	18.17	35.04	18.34	18.24	36.58
		P <sub>2</sub> O <sub>5</sub>	1.48	7.03	8.51	3.33	6.48	9.81
		K <sub>2</sub> O	1.04	8.47	9.51	2.02	7.83	9.85
		Total	19.39	33.67	53.06	23.69	32.55	56.24
3	Jammu & Kashmir	N	33.65	31.37	65.02	39.58	42.62	82.20
		P <sub>2</sub> O <sub>5</sub>	12.55	17.37	29.92	9.85	18.22	28.07
		K <sub>2</sub> O	3.27	11.86	15.13	2.28	9.70	11.98
		Total	49.47	60.60	110.07	51.71	70.54	122.25
4	Punjab	N	635.93	716.12	1,352.05	682.49	764.79	1,447.28
		P <sub>2</sub> O <sub>5</sub>	127.31	200.86	328.17	161.55	257.17	418.72
		K <sub>2</sub> O	23.36	14.17	37.53	38.93	38.78	77.71
		Total	786.60	931.15	1,717.75	882.97	1,060.74	1,943.71
5	Uttar Pradesh	N	1,347.83	1,821.12	3,168.95	1,516.06	1,413.95	2,930.01
		P <sub>2</sub> O <sub>5</sub>	356.32	559.03	915.35	561.36	536.72	1,098.08
		K <sub>2</sub> O	64.11	123.23	187.34	84.13	117.87	202.00
		Total	1,768.26	2,503.38	4,271.64	2,161.55	2,068.54	4,230.09
6	Uttarakhand	N	71.21	66.15	137.36	76.63	94.32	170.95
		P <sub>2</sub> O <sub>5</sub>	9.11	16.57	25.68	9.24	14.25	23.49
		K <sub>2</sub> O	2.62	4.71	7.33	3.11	3.63	6.74
		Total	82.94	87.43	170.37	88.98	112.20	201.18

(Continued)

6.01 (b) SEASON-WISE CONSUMPTION OF N, P <sub>2</sub> O <sub>5</sub> & K <sub>2</sub> O AND TOTAL BY STATES AND PERCENTAGE VARIATION (2014-15 and 2015-16) (Continued)								
Sl. No.	Zone / State	Nutrient	± % variation over previous season/year					
			2014-15			2015-16 (P)		
			Kharif	Rabi	Total	Kharif	Rabi	Total
10	Sikkim	N	-	-	-	-	-	-
		P <sub>2</sub> O <sub>5</sub>	-	-	-	-	-	-
		K <sub>2</sub> O	-	-	-	-	-	-
		Total	-	-	-	-	-	-
11	Tripura	N	-17.61	-21.15	-19.51	-4.18	25.72	11.54
		P <sub>2</sub> O <sub>5</sub>	-22.70	-8.20	-15.97	-12.54	9.23	-1.51
		K <sub>2</sub> O	-12.68	-6.76	-9.66	72.04	43.96	57.25
		Total	-18.58	-14.31	-16.42	8.26	23.94	16.41
12	West Bengal	N	15.64	4.89	9.22	9.03	12.11	10.80
		P <sub>2</sub> O <sub>5</sub>	85.90	29.52	48.63	6.44	22.09	15.45
		K <sub>2</sub> O	24.93	12.65	17.82	-2.48	5.76	2.08
		Total	30.82	12.28	19.57	5.75	13.45	10.14
<b>II.</b>	<b>NORTH</b>	<b>N</b>	<b>1.23</b>	<b>7.40</b>	<b>4.60</b>	<b>9.00</b>	<b>-9.20</b>	<b>-1.23</b>
		<b>P<sub>2</sub>O<sub>5</sub></b>	<b>37.62</b>	<b>5.44</b>	<b>16.19</b>	<b>43.21</b>	<b>4.36</b>	<b>19.72</b>
		<b>K<sub>2</sub>O</b>	<b>71.69</b>	<b>72.27</b>	<b>72.04</b>	<b>18.56</b>	<b>7.56</b>	<b>11.92</b>
		<b>Total</b>	<b>8.22</b>	<b>8.62</b>	<b>8.45</b>	<b>15.81</b>	<b>-5.60</b>	<b>3.56</b>
1	Haryana	N	4.57	8.09	6.60	0.99	3.31	2.35
		P <sub>2</sub> O <sub>5</sub>	36.21	21.99	27.81	25.24	6.29	14.56
		K <sub>2</sub> O	189.51	77.34	131.31	-66.51	-13.89	-45.58
		Total	12.64	11.34	11.89	3.19	3.55	3.40
2	Himachal Pradesh	N	-1.52	12.30	5.19	8.71	0.39	4.39
		P <sub>2</sub> O <sub>5</sub>	-26.37	12.48	3.03	125.00	-7.82	15.28
		K <sub>2</sub> O	-22.96	16.99	10.71	94.23	-7.56	3.58
		Total	-5.37	13.48	5.78	22.18	-3.33	5.99
3	Jammu & Kashmir	N	13.15	-16.12	-3.16	17.62	35.86	26.42
		P <sub>2</sub> O <sub>5</sub>	12.66	21.89	17.84	-21.51	4.89	-6.18
		K <sub>2</sub> O	98.18	28.49	39.06	-30.28	-18.21	-20.82
		Total	16.32	-0.46	6.44	4.53	16.40	11.07
4	Punjab	N	-0.22	-1.45	-0.88	7.32	6.80	7.04
		P <sub>2</sub> O <sub>5</sub>	26.95	-10.71	0.90	26.89	28.03	27.59
		K <sub>2</sub> O	40.64	91.23	56.24	66.65	173.68	107.06
		Total	4.29	-2.91	0.26	12.25	13.92	13.15
5	Uttar Pradesh	N	0.50	11.62	6.60	12.48	-22.36	-7.54
		P <sub>2</sub> O <sub>5</sub>	45.43	7.58	19.71	57.54	-3.99	19.96
		K <sub>2</sub> O	69.07	84.34	78.81	31.23	-4.35	7.83
		Total	8.88	12.87	11.18	22.24	-17.37	-0.97
6	Uttarakhand	N	-1.90	6.71	2.07	7.61	42.59	24.45
		P <sub>2</sub> O <sub>5</sub>	1.67	29.25	17.91	1.43	-14.00	-8.53
		K <sub>2</sub> O	0.00	23.95	14.17	18.70	-22.93	-8.05
		Total	-1.46	11.22	4.66	7.28	28.33	18.08

(Continued)

6.01 (b) SEASON-WISE CONSUMPTION OF N, P <sub>2</sub> O <sub>5</sub> & K <sub>2</sub> O AND TOTAL BY STATES AND PERCENTAGE VARIATION (2014-15 and 2015-16) (Continued)								
Sl. No.	Zone / State	Nutrient	Consumption ('000 tonnes)					
			2014-15			2015-16 (P)		
			Kharif	Rabi	Total	Kharif	Rabi	Total
7	Chandigarh	N	-	-	-	-	-	-
		P <sub>2</sub> O <sub>5</sub>	-	-	-	-	-	-
		K <sub>2</sub> O	-	-	-	-	-	-
		Total	-	-	-	-	-	-
8	Delhi	N	5.87	2.70	8.57	2.04	3.10	5.14
		P <sub>2</sub> O <sub>5</sub>	-	-	-	0.29	0.14	0.43
		K <sub>2</sub> O	-	-	-	-	-	-
		Total	5.87	2.70	8.57	2.33	3.24	5.57
<b>III.</b>	<b>SOUTH</b>	<b>N</b>	<b>1,733.64</b>	<b>1,885.79</b>	<b>3,619.43</b>	<b>1,828.25</b>	<b>1,854.93</b>	<b>3,683.18</b>
		<b>P<sub>2</sub>O<sub>5</sub></b>	<b>730.20</b>	<b>748.21</b>	<b>1,478.41</b>	<b>832.40</b>	<b>825.69</b>	<b>1,658.09</b>
		<b>K<sub>2</sub>O</b>	<b>439.53</b>	<b>448.01</b>	<b>887.54</b>	<b>435.90</b>	<b>400.41</b>	<b>836.31</b>
		<b>Total</b>	<b>2,903.37</b>	<b>3,082.01</b>	<b>5,985.38</b>	<b>3,096.55</b>	<b>3,081.03</b>	<b>6,177.58</b>
1	Andhra Pradesh	N	429.61	646.96	1,076.57	478.10	544.87	1,022.97
		P <sub>2</sub> O <sub>5</sub>	168.57	275.02	443.59	214.42	275.30	489.72
		K <sub>2</sub> O	96.40	122.27	218.67	82.60	102.86	185.46
		Total	694.58	1,044.25	1,738.83	775.12	923.03	1,698.15
2	Telangana	N	450.70	376.25	826.95	461.26	416.04	877.30
		P <sub>2</sub> O <sub>5</sub>	146.75	121.46	268.21	168.27	159.52	327.79
		K <sub>2</sub> O	44.59	37.82	82.41	64.39	46.77	111.16
		Total	642.04	535.53	1,177.57	693.92	622.33	1,316.25
3	Karnataka	N	563.50	438.09	1,001.59	582.12	399.50	981.62
		P <sub>2</sub> O <sub>5</sub>	299.43	198.64	498.07	323.51	207.90	531.41
		K <sub>2</sub> O	181.51	150.80	332.31	164.68	102.05	266.73
		Total	1,044.44	787.53	1,831.97	1,070.31	709.45	1,779.76
4	Kerala	N	62.34	42.20	104.54	50.50	60.50	111.00
		P <sub>2</sub> O <sub>5</sub>	24.73	18.41	43.14	20.84	20.26	41.10
		K <sub>2</sub> O	35.40	26.42	61.82	35.02	41.51	76.53
		Total	122.47	87.03	209.50	106.36	122.27	228.63
5	Tamil Nadu	N	223.05	378.27	601.32	252.12	430.61	682.73
		P <sub>2</sub> O <sub>5</sub>	89.90	133.38	223.28	104.79	161.78	266.57
		K <sub>2</sub> O	80.78	109.42	190.20	88.39	106.67	195.06
		Total	393.73	621.07	1,014.80	445.30	699.06	1,144.36
6	Puducherry	N	4.18	3.79	7.97	4.15	3.41	7.56
		P <sub>2</sub> O <sub>5</sub>	0.61	1.12	1.73	0.57	0.93	1.50
		K <sub>2</sub> O	0.72	1.15	1.87	0.82	0.55	1.37
		Total	5.51	6.06	11.57	5.54	4.89	10.43
7	A & N Islands	N	0.26	0.23	0.49	-	-	-
		P <sub>2</sub> O <sub>5</sub>	0.21	0.18	0.39	-	-	-
		K <sub>2</sub> O	0.13	0.13	0.26	-	-	-
		Total	0.60	0.54	1.14	-	-	-
8	Lakshadweep	N	-	-	-	-	-	-
		P <sub>2</sub> O <sub>5</sub>	-	-	-	-	-	-
		K <sub>2</sub> O	-	-	-	-	-	-
		Total	-	-	-	-	-	-

(Continued)

6.01 (b) SEASON-WISE CONSUMPTION OF N, P <sub>2</sub> O <sub>5</sub> & K <sub>2</sub> O AND TOTAL BY STATES AND PERCENTAGE VARIATION (2014-15 and 2015-16) (Continued)								
Sl. No.	Zone / State	Nutrient	± % variation over previous season/year					
			2014-15			2015-16 (P)		
			Kharif	Rabi	Total	Kharif	Rabi	Total
7	Chandigarh	N	-	-	-	-	-	-
		P <sub>2</sub> O <sub>5</sub>	-	-	-	-	-	-
		K <sub>2</sub> O	-	-	-	-	-	-
		Total	-	-	-	-	-	-
8	Delhi	N	428.83	6.72	135.44	-65.25	14.81	-40.02
		P <sub>2</sub> O <sub>5</sub>	--	--	--	--	--	--
		K <sub>2</sub> O	--	--	--	--	--	--
		Total	428.83	6.72	135.44	-60.31	20.00	-35.01
<b>III.</b>	<b>SOUTH</b>	<b>N</b>	<b>-10.56</b>	<b>3.77</b>	<b>-3.63</b>	<b>5.46</b>	<b>-1.64</b>	<b>1.76</b>
		<b>P<sub>2</sub>O<sub>5</sub></b>	<b>0.54</b>	<b>2.04</b>	<b>1.29</b>	<b>14.00</b>	<b>10.36</b>	<b>12.15</b>
		<b>K<sub>2</sub>O</b>	<b>15.73</b>	<b>9.30</b>	<b>12.39</b>	<b>-0.83</b>	<b>-10.62</b>	<b>-5.77</b>
		<b>Total</b>	<b>-4.63</b>	<b>4.10</b>	<b>-0.32</b>	<b>6.65</b>	<b>-0.03</b>	<b>3.21</b>
1	Andhra Pradesh	N	-14.48	2.25	-5.16	11.29	-15.78	-4.98
		P <sub>2</sub> O <sub>5</sub>	-14.31	3.98	-3.82	27.20	0.10	10.40
		K <sub>2</sub> O	38.86	6.78	18.89	-14.32	-15.87	-15.19
		Total	-9.62	3.21	-2.33	11.60	-11.61	-2.34
2	Telangana	N	-15.71	-15.04	-15.40	2.34	10.58	6.09
		P <sub>2</sub> O <sub>5</sub>	6.70	-18.31	-6.29	14.66	31.34	22.21
		K <sub>2</sub> O	12.04	6.15	9.25	44.40	23.66	34.89
		Total	-9.83	-14.61	-12.07	8.08	16.21	11.78
3	Karnataka	N	-1.90	18.17	5.98	3.30	-8.81	-1.99
		P <sub>2</sub> O <sub>5</sub>	14.75	9.59	12.63	8.04	4.66	6.69
		K <sub>2</sub> O	27.20	36.22	31.14	-9.27	-32.33	-19.73
		Total	6.79	18.84	11.66	2.48	-9.91	-2.85
4	Kerala	N	-5.19	-39.85	-23.08	-18.99	43.36	6.18
		P <sub>2</sub> O <sub>5</sub>	-24.42	-51.06	-38.67	-15.73	10.05	-4.73
		K <sub>2</sub> O	-35.24	-56.87	-46.67	-1.07	57.12	23.79
		Total	-20.02	-48.52	-34.97	-13.15	40.49	9.13
5	Tamil Nadu	N	-12.44	28.39	9.46	13.03	13.84	13.54
		P <sub>2</sub> O <sub>5</sub>	-7.65	33.70	13.28	16.56	21.29	19.39
		K <sub>2</sub> O	11.54	26.09	19.47	9.42	-2.51	2.56
		Total	-7.25	29.08	12.05	13.10	12.56	12.77
6	Puducherry	N	-31.48	-37.15	-34.30	-0.72	-10.03	-5.14
		P <sub>2</sub> O <sub>5</sub>	-25.61	-11.81	-17.22	-6.56	-16.96	-13.29
		K <sub>2</sub> O	7.46	33.72	22.22	13.89	-52.17	-26.74
		Total	-27.40	-25.74	-26.54	0.54	-19.31	-9.85
7	A & N Islands	N	8.33	4.55	6.52	-100.00	-100.00	-100.00
		P <sub>2</sub> O <sub>5</sub>	16.67	5.88	11.43	-100.00	-100.00	-100.00
		K <sub>2</sub> O	-	-18.75	-10.34	-100.00	-100.00	-100.00
		Total	9.09	-1.82	3.64	-100.00	-100.00	-100.00
8	Lakshadweep	N	-	-	-	-	-	-
		P <sub>2</sub> O <sub>5</sub>	-	-	-	-	-	-
		K <sub>2</sub> O	-	-	-	-	-	-
		Total	-	-	-	-	-	-

(Continued)

6.01 (b) SEASON-WISE CONSUMPTION OF N, P <sub>2</sub> O <sub>5</sub> & K <sub>2</sub> O AND TOTAL BY STATES AND PERCENTAGE VARIATION (2014-15 and 2015-16) (Continued)								
Sl. No.	Zone / State	Nutrient	Consumption ('000 tonnes)					
			2014-15			2015-16 (P)		
			Kharif	Rabi	Total	Kharif	Rabi	Total
IV.	WEST	N	2,543.73	2,662.65	5,206.38	2,789.74	2,459.46	5,249.20
		P <sub>2</sub> O <sub>5</sub>	1,262.42	964.77	2,227.19	1,362.85	1,077.89	2,440.74
		K <sub>2</sub> O	439.73	332.44	772.17	361.26	330.82	692.08
		<b>Total</b>	<b>4,245.88</b>	<b>3,959.86</b>	<b>8,205.74</b>	<b>4,513.85</b>	<b>3,868.17</b>	<b>8,382.02</b>
1	Gujarat	N	592.68	624.82	1,217.50	603.25	498.57	1,101.82
		P <sub>2</sub> O <sub>5</sub>	216.16	135.83	351.99	167.11	146.40	313.51
		K <sub>2</sub> O	61.96	52.55	114.51	51.01	50.41	101.42
		<b>Total</b>	<b>870.80</b>	<b>813.20</b>	<b>1,684.00</b>	<b>821.37</b>	<b>695.38</b>	<b>1,516.75</b>
2	Madhya Pradesh	N	438.12	680.98	1,119.10	560.65	673.15	1,233.80
		P <sub>2</sub> O <sub>5</sub>	300.33	305.40	605.73	370.01	280.59	650.60
		K <sub>2</sub> O	43.68	28.43	72.11	49.17	32.97	82.14
		<b>Total</b>	<b>782.13</b>	<b>1,014.81</b>	<b>1,796.94</b>	<b>979.83</b>	<b>986.71</b>	<b>1,966.54</b>
3	Chhattisgarh	N	283.53	89.61	373.14	296.79	93.99	390.78
		P <sub>2</sub> O <sub>5</sub>	132.06	43.47	175.53	127.62	62.12	189.74
		K <sub>2</sub> O	36.71	20.02	56.73	39.11	18.00	57.11
		<b>Total</b>	<b>452.30</b>	<b>153.10</b>	<b>605.40</b>	<b>463.52</b>	<b>174.11</b>	<b>637.63</b>
4	Maharashtra	N	880.50	660.49	1,540.99	866.63	584.19	1,450.82
		P <sub>2</sub> O <sub>5</sub>	437.04	323.85	760.89	415.18	426.55	841.73
		K <sub>2</sub> O	290.50	222.28	512.78	210.80	221.23	432.03
		<b>Total</b>	<b>1,608.04</b>	<b>1,206.62</b>	<b>2,814.66</b>	<b>1,492.61</b>	<b>1,231.97</b>	<b>2,724.58</b>
5	Rajasthan	N	346.69	605.66	952.35	460.38	608.52	1,068.90
		P <sub>2</sub> O <sub>5</sub>	175.65	155.80	331.45	281.70	161.68	443.38
		K <sub>2</sub> O	6.35	8.83	15.18	10.39	7.97	18.36
		<b>Total</b>	<b>528.69</b>	<b>770.29</b>	<b>1,298.98</b>	<b>752.47</b>	<b>778.17</b>	<b>1,530.64</b>
6	Goa	N	1.59	0.93	2.52	1.46	0.91	2.37
		P <sub>2</sub> O <sub>5</sub>	0.80	0.34	1.14	0.96	0.49	1.45
		K <sub>2</sub> O	0.53	0.33	0.86	0.78	0.24	1.02
		<b>Total</b>	<b>2.92</b>	<b>1.60</b>	<b>4.52</b>	<b>3.20</b>	<b>1.64</b>	<b>4.84</b>
7	Daman & Diu	N	0.09	0.05	0.14	0.09	0.05	0.14
		P <sub>2</sub> O <sub>5</sub>	0.01	0.01	0.02	0.01	0.01	0.02
		K <sub>2</sub> O	-	-	-	-	-	-
		<b>Total</b>	<b>0.10</b>	<b>0.06</b>	<b>0.16</b>	<b>0.10</b>	<b>0.06</b>	<b>0.16</b>
8	Dadra & Nagar Haveli	N	0.53	0.11	0.64	0.49	0.08	0.57
		P <sub>2</sub> O <sub>5</sub>	0.37	0.07	0.44	0.26	0.05	0.31
		K <sub>2</sub> O	-	-	-	-	-	-
		<b>Total</b>	<b>0.90</b>	<b>0.18</b>	<b>1.08</b>	<b>0.75</b>	<b>0.13</b>	<b>0.88</b>
	<b>All India</b>	<b>N</b>	<b>7,927.82</b>	<b>9,021.73</b>	<b>16,949.55</b>	<b>8,653.59</b>	<b>8,718.74</b>	<b>17,372.33</b>
		<b>P<sub>2</sub>O<sub>5</sub></b>	<b>2,984.37</b>	<b>3,114.49</b>	<b>6,098.86</b>	<b>3,524.99</b>	<b>3,453.78</b>	<b>6,978.77</b>
		<b>K<sub>2</sub>O</b>	<b>1,264.35</b>	<b>1,268.55</b>	<b>2,532.90</b>	<b>1,174.99</b>	<b>1,226.51</b>	<b>2,401.50</b>
		<b>Total</b>	<b>12,176.54</b>	<b>13,404.77</b>	<b>25,581.31</b>	<b>13,353.57</b>	<b>13,399.03</b>	<b>26,752.60</b>

(P) = Provisional.

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6.01 (b) SEASON-WISE CONSUMPTION OF N, P <sub>2</sub> O <sub>5</sub> & K <sub>2</sub> O AND TOTAL BY STATES AND PERCENTAGE VARIATION (2014-15 and 2015-16) (Concluded)								
Sl. No.	Zone / State	Nutrient	± % variation over previous season/year					
			2014-15			2015-16 (P)		
			Kharif	Rabi	Total	Kharif	Rabi	Total
<b>IV.</b>	<b>WEST</b>	<b>N</b>	<b>-5.46</b>	<b>4.13</b>	<b>-0.78</b>	<b>9.67</b>	<b>-7.63</b>	<b>0.82</b>
		<b>P<sub>2</sub>O<sub>5</sub></b>	<b>8.65</b>	<b>-4.24</b>	<b>2.66</b>	<b>7.96</b>	<b>11.73</b>	<b>9.59</b>
		<b>K<sub>2</sub>O</b>	<b>29.36</b>	<b>16.50</b>	<b>23.49</b>	<b>-17.85</b>	<b>-0.49</b>	<b>-10.37</b>
		<b>Total</b>	<b>1.28</b>	<b>2.86</b>	<b>2.03</b>	<b>6.31</b>	<b>-2.32</b>	<b>2.15</b>
1	Gujarat	N	1.76	8.38	5.05	1.78	-20.21	-9.50
		P <sub>2</sub> O <sub>5</sub>	41.87	-16.68	11.61	-22.69	7.78	-10.93
		K <sub>2</sub> O	45.31	9.57	26.39	-17.67	-4.07	-11.43
		Total	12.01	3.26	7.61	-5.68	-14.49	-9.93
2	Madhya Pradesh	N	-17.63	0.37	-7.54	27.97	-1.15	10.25
		P <sub>2</sub> O <sub>5</sub>	-15.42	9.34	-4.52	23.20	-8.12	7.41
		K <sub>2</sub> O	26.83	30.00	28.06	12.57	15.97	13.91
		Total	-15.12	3.59	-5.48	25.28	-2.77	9.44
3	Chhattisgarh	N	-0.53	24.04	4.44	4.68	4.89	4.73
		P <sub>2</sub> O <sub>5</sub>	13.91	-6.96	7.92	-3.36	42.90	8.10
		K <sub>2</sub> O	-11.52	220.32	18.83	6.54	-10.09	0.67
		Total	2.23	22.27	6.65	2.48	13.72	5.32
4	Maharashtra	N	-3.95	-1.43	-2.89	-1.58	-11.55	-5.85
		P <sub>2</sub> O <sub>5</sub>	13.13	-16.33	-1.61	-5.00	31.71	10.62
		K <sub>2</sub> O	32.81	8.00	20.78	-27.44	-0.47	-15.75
		Total	5.67	-4.46	1.07	-7.18	2.10	-3.20
5	Rajasthan	N	-6.81	8.44	2.35	32.79	0.47	12.24
		P <sub>2</sub> O <sub>5</sub>	16.20	19.11	17.55	60.38	3.77	33.77
		K <sub>2</sub> O	198.12	191.42	194.19	63.62	-9.74	20.95
		Total	0.64	11.26	6.68	42.33	1.02	17.83
6	Goa	N	-14.97	-16.96	-15.72	-8.18	-2.15	-5.95
		P <sub>2</sub> O <sub>5</sub>	12.68	-44.26	-13.64	20.00	44.12	27.19
		K <sub>2</sub> O	8.16	-21.43	-5.49	47.17	-27.27	18.60
		Total	-4.89	-25.58	-13.41	9.59	2.50	7.08
7	Daman & Diu	N	80.00	66.67	75.00	-	-	-
		P <sub>2</sub> O <sub>5</sub>	-	-	-	-	-	-
		K <sub>2</sub> O	-100.00	--	-100.00	--	--	--
		Total	42.86	50.00	45.45	-	-	-
8	Dadra & Nagar Haveli	N	8.16	120.00	18.52	-7.55	-27.27	-10.94
		P <sub>2</sub> O <sub>5</sub>	12.12	250.00	25.71	-29.73	-28.57	-29.55
		K <sub>2</sub> O	--	-100.00	-100.00	--	--	--
		Total	9.76	125.00	20.00	-16.67	-27.78	-18.52
	<b>All India</b>	<b>N</b>	<b>-3.60</b>	<b>5.81</b>	<b>1.19</b>	<b>9.15</b>	<b>-3.36</b>	<b>2.49</b>
		<b>P<sub>2</sub>O<sub>5</sub></b>	<b>14.93</b>	<b>2.56</b>	<b>8.26</b>	<b>18.12</b>	<b>10.89</b>	<b>14.43</b>
		<b>K<sub>2</sub>O</b>	<b>24.50</b>	<b>17.10</b>	<b>20.68</b>	<b>-7.07</b>	<b>-3.31</b>	<b>-5.19</b>
		<b>Total</b>	<b>2.88</b>	<b>5.99</b>	<b>4.49</b>	<b>9.67</b>	<b>-0.04</b>	<b>4.58</b>

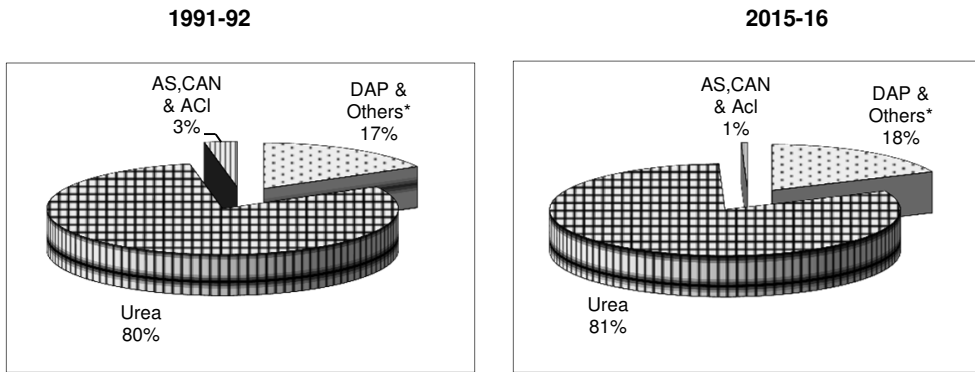
Note : 1. Fertiliser consumption by Plantation crops in the south zone is included in the total of respective states.  
2. Due to rounding off, total for the State/Zone/All-India (Horizontal & Vertical) may not exactly tally.  
3. Fertiliser consumption by Plantation crops in the East zone is included in the total of respective states.  
Source : Ministry of Agriculture & Farmers Welfare, Govt. of India.



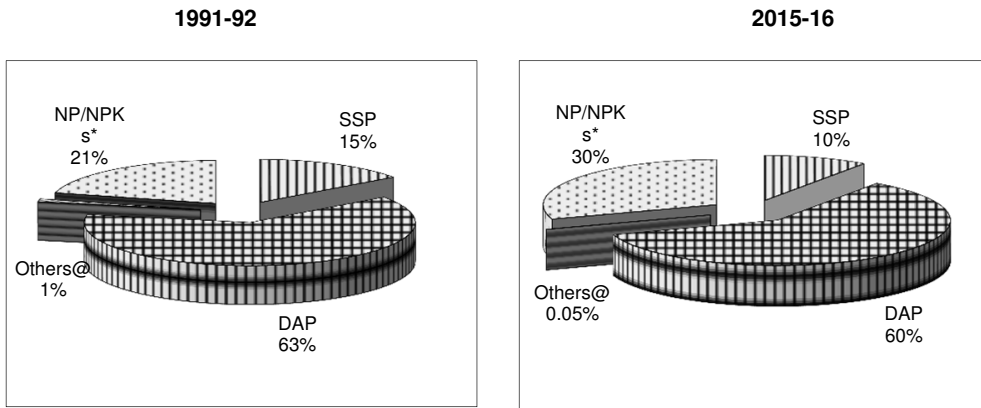


**Fig. 7: SHARE OF MAJOR FERTILISERS TO NUTRIENT CONSUMPTION**

**N**



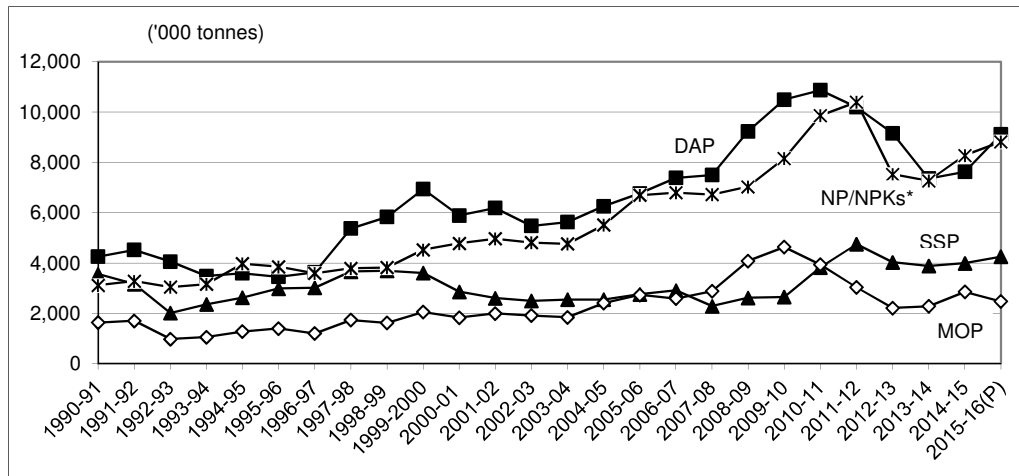
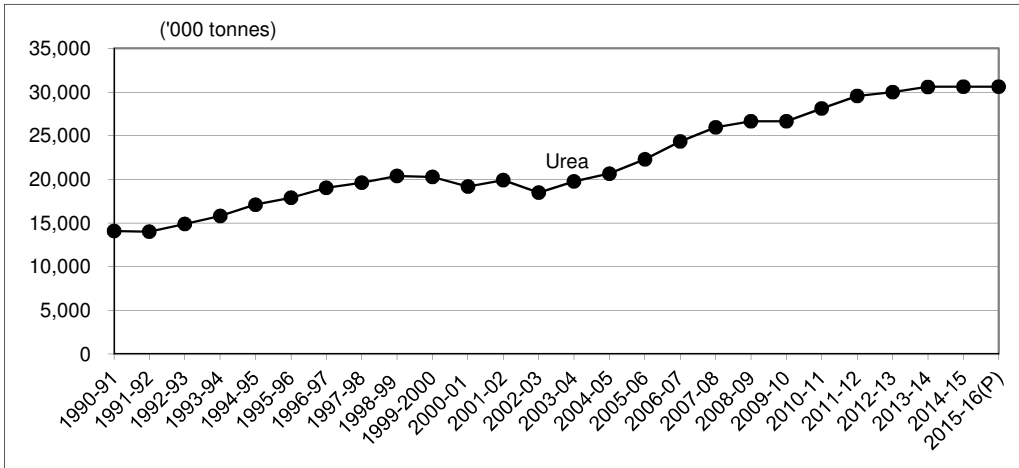
**P<sub>2</sub>O<sub>5</sub>**



\* = NP/NPKs (other than DAP)

@ = Includes Rock Phosphate for direct application

**Fig. 8: TRENDS IN CONSUMPTION OF FERTILISER PRODUCTS  
1990-91 to 2015-16**



\* = Other than DAP/MAP.

6.02 (b) STATE-WISE CONSUMPTION OF FERTILISER PRODUCTS													
Kharif 2015													
('000 tonnes)													
Zone/State	Urea	A/S	ACI	CAN	SSP	TSP	Rock	MOP	SOP	DAP	MAP	28-28-0	14-35-14
<b>EAST</b>	<b>2,319.15</b>	<b>5.32</b>	-	-	<b>224.87</b>	-	<b>3.23</b>	<b>243.03</b>	-	<b>495.08</b>	-	<b>56.10</b>	<b>19.44</b>
Assam	152.73	-	-	-	25.13	-	-	31.61	-	22.37	-	-	-
Bihar	954.20	2.55	-	-	47.58	-	-	48.27	-	186.38	-	-	0.86
Jharkhand	145.20	-	-	-	1.97	-	-	2.67	-	46.70	-	-	-
Odisha	430.39	2.77	-	-	7.84	-	-	57.49	-	115.45	-	40.08	0.06
West Bengal	608.64	-	-	-	127.50	-	-	95.15	-	119.26	-	16.02	18.52
Arunachal Pradesh	0.57	-	-	-	0.08	-	-	0.05	-	0.05	-	-	-
Manipur	16.63	-	-	-	3.05	-	-	2.10	-	2.95	-	-	-
Meghalaya	-	-	-	-	-	-	-	-	-	-	-	-	-
Mizoram	1.50	-	-	-	0.06	-	-	0.48	-	0.42	-	-	-
Nagaland	1.13	-	-	-	0.29	-	-	0.36	-	0.69	-	-	-
Sikkim	-	-	-	-	-	-	-	-	-	-	-	-	-
Tripura	8.16	-	-	-	11.37	-	3.23	4.85	-	0.81	-	-	-
<b>NORTH</b>	<b>5,255.86</b>	<b>18.12</b>	-	<b>0.52</b>	<b>287.98</b>	-	-	<b>146.15</b>	-	<b>1,626.08</b>	-	-	-
Haryana	814.76	1.00	-	-	66.86	-	-	9.88	-	271.62	-	-	-
Punjab	1,350.00	2.00	-	-	33.00	-	-	37.00	-	327.00	-	-	-
Uttar Pradesh	2,812.99	15.12	-	-	184.99	-	-	92.69	-	993.96	-	-	-
Uttarakhand	159.22	-	-	-	2.66	-	-	2.52	-	12.16	-	-	-
J & K	77.67	-	-	-	-	-	-	3.52	-	20.72	-	-	-
Chandigarh	-	-	-	-	-	-	-	-	-	-	-	-	-
Delhi	4.18	-	-	-	-	-	-	-	-	0.62	-	-	-
Himachal Pradesh	37.04	-	-	0.52	0.47	-	-	0.54	-	-	-	-	-
<b>SOUTH</b>	<b>2,845.94</b>	<b>96.61</b>	<b>1.41</b>	<b>6.51</b>	<b>237.63</b>	<b>0.50</b>	<b>10.08</b>	<b>530.00</b>	<b>11.76</b>	<b>775.85</b>	-	<b>153.28</b>	<b>111.18</b>
Andhra Pradesh	746.52	17.56	-	0.01	105.62	-	-	106.64	0.08	176.09	-	99.92	52.53
Telangana	749.73	15.02	-	6.50	33.73	-	-	67.50	-	99.50	-	46.92	53.31
Karnataka	858.98	45.65	1.41	-	53.24	0.50	1.78	162.61	11.68	368.07	-	5.82	5.10
Kerala	78.30	1.54	-	-	0.80	-	8.30	55.14	-	15.04	-	-	-
Tamil Nadu	405.28	16.64	-	-	43.79	-	-	136.78	-	116.61	-	0.50	0.24
A & N Islands	-	-	-	-	-	-	-	-	-	-	-	-	-
Lakshadweep	-	-	-	-	-	-	-	-	-	-	-	-	-
Puducherry	7.13	0.20	-	-	0.45	-	-	1.33	-	0.54	-	0.12	-
<b>WEST</b>	<b>4,849.42</b>	<b>119.39</b>	-	-	<b>1,225.38</b>	-	-	<b>315.95</b>	-	<b>1,826.80</b>	<b>0.05</b>	<b>9.39</b>	<b>4.94</b>
Gujarat	1,105.60	76.58	-	-	66.60	-	-	59.95	-	216.86	-	-	-
Madhya Pradesh	958.50	3.16	-	-	453.30	-	-	49.37	-	551.97	0.05	-	0.01
Chhattisgarh	550.65	2.00	-	-	104.98	-	-	50.41	-	202.39	-	9.39	-
Maharashtra	1,448.78	35.24	-	-	393.40	-	-	147.14	-	330.85	-	-	4.93
Rajasthan	782.65	2.39	-	-	207.10	-	-	8.31	-	521.64	-	-	-
Daman & Diu	0.18	-	-	-	-	-	-	-	-	0.03	-	-	-
D & N Haveli	0.84	0.02	-	-	-	-	-	-	-	0.78	-	-	-
Goa	2.22	-	-	-	-	-	-	0.77	-	2.28	-	-	-
<b>All India</b>	<b>15,270.37</b>	<b>239.44</b>	<b>1.41</b>	<b>7.03</b>	<b>1,975.86</b>	<b>0.50</b>	<b>13.31</b>	<b>1,235.13</b>	<b>11.76</b>	<b>4,723.81</b>	<b>0.05</b>	<b>218.77</b>	<b>135.56</b>

(Continued)

6.02 (b) STATE-WISE CONSUMPTION OF FERTILISER PRODUCTS												
Kharif 2015 (concluded)												
('000 tonnes)												
Zone/State	16-20-0	20-20-0	24-24-0	10-26-26	12-32-16	16-16-16	17-17-17	19-19-19	14-28-14	15-15-15	13-33-0-6	Total NP/NPKs#
<b>EAST</b>	-	<b>291.50</b>	-	<b>305.75</b>	<b>45.35</b>	<b>1.71</b>	-	-	-	<b>25.77</b>	<b>0.05</b>	<b>745.67</b>
Assam	-	-	-	-	-	-	-	-	-	-	-	-
Bihar	-	110.52	-	1.41	37.41	-	-	-	-	0.07	-	150.27
Jharkhand	-	13.49	-	7.72	5.49	-	-	-	-	-	-	26.70
Odisha	-	114.71	-	6.77	0.19	-	-	-	-	3.43	0.05	165.29
West Bengal	-	52.78	-	289.85	1.93	1.71	-	-	-	22.27	-	403.08
Arunachal Pradesh	-	-	-	-	-	-	-	-	-	-	-	-
Manipur	-	-	-	-	-	-	-	-	-	-	-	-
Meghalaya	-	-	-	-	-	-	-	-	-	-	-	-
Mizoram	-	-	-	-	-	-	-	-	-	-	-	-
Nagaland	-	-	-	-	0.33	-	-	-	-	-	-	0.33
Sikkim	-	-	-	-	-	-	-	-	-	-	-	-
Tripura	-	-	-	-	-	-	-	-	-	-	-	-
<b>NORTH</b>	-	<b>92.90</b>	-	<b>0.60</b>	<b>219.33</b>	-	<b>0.06</b>	-	-	<b>6.24</b>	-	<b>319.13</b>
Haryana	-	-	-	-	8.57	-	-	-	-	-	-	8.57
Punjab	-	-	-	-	18.00	-	-	-	-	-	-	18.00
Uttar Pradesh	-	92.90	-	0.58	171.47	-	-	-	-	6.24	-	271.19
Uttarakhand	-	-	-	-	9.91	-	0.06	-	-	-	-	9.97
J & K	-	-	-	-	1.02	-	-	-	-	-	-	1.02
Chandigarh	-	-	-	-	-	-	-	-	-	-	-	-
Delhi	-	-	-	-	-	-	-	-	-	-	-	-
Himachal Pradesh	-	-	-	0.02	10.36	-	-	-	-	-	-	10.38
<b>SOUTH</b>	<b>93.15</b>	<b>1,129.80</b>	<b>4.97</b>	<b>240.51</b>	<b>59.90</b>	<b>25.50</b>	<b>30.63</b>	<b>8.09</b>	<b>5.56</b>	<b>90.15</b>	-	<b>1,952.72</b>
Andhra Pradesh	10.42	282.86	-	33.75	1.76	0.54	5.05	-	-	8.10	-	494.93
Telangana	30.30	288.31	-	30.02	27.44	1.29	9.64	0.09	5.53	10.59	-	503.44
Karnataka	40.18	335.76	4.97	159.37	29.81	18.75	8.01	8.00	-	56.48	-	672.25
Kerala	-	51.73	-	5.12	-	-	2.10	-	-	1.64	-	60.59
Tamil Nadu	12.14	170.34	-	12.20	0.89	4.92	5.72	-	0.03	13.34	-	220.32
A & N Islands	-	-	-	-	-	-	-	-	-	-	-	-
Lakshadweep	-	-	-	-	-	-	-	-	-	-	-	-
Puduchery	0.11	0.80	-	0.05	-	-	0.11	-	-	-	-	1.19
<b>WEST</b>	<b>0.19</b>	<b>483.84</b>	<b>49.80</b>	<b>343.99</b>	<b>299.24</b>	<b>31.39</b>	-	<b>13.29</b>	-	<b>123.69</b>	<b>0.05</b>	<b>1,359.81</b>
Gujarat	-	142.02	2.67	6.67	78.85	0.01	-	-	-	4.60	-	234.82
Madhya Pradesh	-	25.46	-	1.09	118.05	-	-	-	-	2.51	0.05	147.17
Chhattisgarh	-	15.90	-	-	30.12	-	-	-	-	-	-	55.41
Maharashtra	0.19	278.40	47.13	336.23	59.07	31.38	-	12.99	-	116.39	-	886.71
Rajasthan	-	21.98	-	-	13.15	-	-	-	-	-	-	35.13
Daman & Diu	-	-	-	-	-	-	-	-	-	-	-	-
D & N Haveli	-	-	-	-	-	-	-	-	-	-	-	-
Goa	-	0.08	-	-	-	-	-	0.30	-	0.19	-	0.57
<b>All India</b>	<b>93.34</b>	<b>1,998.04</b>	<b>54.77</b>	<b>890.85</b>	<b>623.82</b>	<b>58.60</b>	<b>30.69</b>	<b>21.38</b>	<b>5.56</b>	<b>245.85</b>	<b>0.10</b>	<b>4,377.33</b>
# = Other than DAP/MAP.												(Continued)

6.02 (b) STATE-WISE CONSUMPTION OF FERTILISER PRODUCTS													
Rabi 2015-16													
('000 tonnes)													
Zone/State	Urea	A/S	ACI	CAN	SSP	TSP	Rock	MOP	SOP	DAP	MAP	28-28-0	14-35-14
<b>EAST</b>	<b>2,630.64</b>	<b>24.78</b>	-	-	<b>376.69</b>	-	<b>2.67</b>	<b>298.15</b>	-	<b>651.56</b>	-	<b>62.21</b>	<b>33.67</b>
Assam	196.26	-	-	-	59.00	-	-	33.72	-	14.26	-	-	-
Bihar	1,403.86	15.85	-	-	26.16	-	-	105.47	-	356.38	-	-	0.05
Jharkhand	74.81	-	-	-	0.21	-	-	0.52	-	23.42	-	-	-
Odisha	107.79	3.74	-	-	4.50	-	-	25.51	-	41.36	-	36.25	1.99
West Bengal	829.36	5.19	-	-	268.81	-	-	126.57	-	212.32	-	25.96	31.63
Arunachal Pradesh	0.12	-	-	-	0.01	-	-	0.07	-	0.02	-	-	-
Manipur	3.99	-	-	-	1.33	-	-	0.80	-	1.54	-	-	-
Meghalaya	-	-	-	-	-	-	-	-	-	-	-	-	-
Mizoram	2.00	-	-	-	-	-	-	0.21	-	0.23	-	-	-
Nagaland	0.69	-	-	-	0.33	-	-	0.32	-	0.61	-	-	-
Sikkim	-	-	-	-	-	-	-	-	-	-	-	-	-
Tripura	11.76	-	-	-	16.34	-	2.67	4.96	-	1.42	-	-	-
<b>NORTH</b>	<b>5,585.66</b>	<b>19.81</b>	-	<b>1.95</b>	<b>299.89</b>	-	-	<b>211.19</b>	-	<b>1,778.80</b>	-	-	-
Haryana	1,208.21	1.00	-	-	55.48	-	-	10.00	-	284.89	-	-	-
Punjab	1,450.00	6.00	-	-	60.00	-	-	50.00	-	500.00	-	-	-
Uttar Pradesh	2,618.35	12.76	-	-	176.48	-	-	126.55	-	939.09	-	-	-
Uttarakhand	193.46	-	-	-	2.35	-	-	0.62	-	16.00	-	-	-
J & K	77.17	-	-	-	-	-	-	15.76	-	38.53	-	-	-
Chandigarh	-	-	-	-	-	-	-	-	-	-	-	-	-
Delhi	6.61	-	-	-	-	-	-	-	-	0.29	-	-	-
Himachal Pradesh	31.86	0.05	-	1.95	5.58	-	-	8.26	-	-	-	-	-
<b>SOUTH</b>	<b>2,723.62</b>	<b>81.64</b>	<b>3.76</b>	<b>3.35</b>	<b>206.50</b>	<b>0.05</b>	<b>0.74</b>	<b>447.32</b>	<b>5.07</b>	<b>734.30</b>	-	<b>151.11</b>	<b>136.60</b>
Andhra Pradesh	800.73	35.07	-	0.25	107.16	-	-	105.88	4.59	200.94	-	128.14	94.04
Telangana	503.56	7.03	-	3.10	21.19	0.05	-	29.45	-	112.35	-	21.42	39.42
Karnataka	603.83	18.26	0.12	-	28.37	-	0.01	85.63	0.48	222.17	-	0.71	3.11
Kerala	97.31	1.11	-	-	3.19	-	0.73	64.75	-	11.81	-	-	-
Tamil Nadu	712.29	20.06	3.64	-	46.14	-	-	160.92	-	186.38	-	0.82	0.03
A & N Islands	-	-	-	-	-	-	-	-	-	-	-	-	-
Lakshadweep	-	-	-	-	-	-	-	-	-	-	-	-	-
Puducherry	5.90	0.11	-	-	0.45	-	-	0.69	-	0.65	-	0.02	-
<b>WEST</b>	<b>4,424.48</b>	<b>83.20</b>	-	-	<b>1,393.80</b>	<b>5.31</b>	-	<b>275.14</b>	-	<b>1,218.75</b>	<b>0.01</b>	<b>11.16</b>	<b>4.51</b>
Gujarat	917.05	56.95	-	-	75.65	5.31	-	60.14	-	190.51	-	-	-
Madhya Pradesh	1,282.08	3.48	-	-	486.30	-	-	33.45	-	372.23	0.01	1.16	1.27
Chhattisgarh	161.71	4.95	-	-	88.51	-	-	21.18	-	81.24	-	10.00	1.00
Maharashtra	850.81	16.23	-	-	503.66	-	-	156.04	-	324.11	-	-	2.24
Rajasthan	1,211.24	1.57	-	-	239.68	-	-	4.26	-	249.64	-	-	-
Daman & Diu	0.10	-	-	-	-	-	-	-	-	0.03	-	-	-
D & N Haveli	0.12	0.02	-	-	-	-	-	-	-	0.11	-	-	-
Goa	1.37	-	-	-	-	-	-	0.07	-	0.88	-	-	-
<b>All India</b>	<b>15,364.40</b>	<b>209.43</b>	<b>3.76</b>	<b>5.30</b>	<b>2,276.88</b>	<b>5.36</b>	<b>3.41</b>	<b>1,231.80</b>	<b>5.07</b>	<b>4,383.41</b>	<b>0.01</b>	<b>224.48</b>	<b>174.78</b>

(Continued)



6.02 (b) STATE-WISE CONSUMPTION OF FERTILISER PRODUCTS												
Rabi 2015-16 (concluded)												
('000 tonnes)												
Zone/State	16-20-0	20-20-0	24-24-0	10-26-26	12-32-16	16-16-16	17-17-17	19-19-19	14-28-14	15-15-15	13-33-0-6	Total NP/NPKs#
<b>EAST</b>	-	251.67	-	393.81	38.82	8.68	1.02	-	-	38.69	-	828.57
Assam	-	-	-	-	-	-	-	-	-	-	-	-
Bihar	-	159.16	-	6.75	33.76	-	-	-	-	1.83	-	201.55
Jharkhand	-	5.31	-	1.29	1.58	-	-	-	-	-	-	8.18
Odisha	-	43.37	-	4.33	-	-	-	-	-	1.44	-	87.38
West Bengal	-	43.83	-	381.44	3.11	8.68	1.02	-	-	35.42	-	531.09
Arunachal Pradesh	-	-	-	-	-	-	-	-	-	-	-	-
Manipur	-	-	-	-	-	-	-	-	-	-	-	-
Meghalaya	-	-	-	-	-	-	-	-	-	-	-	-
Mizoram	-	-	-	-	-	-	-	-	-	-	-	-
Nagaland	-	-	-	-	0.37	-	-	-	-	-	-	0.37
Sikkim	-	-	-	-	-	-	-	-	-	-	-	-
Tripura	-	-	-	-	-	-	-	-	-	-	-	-
<b>NORTH</b>	-	66.56	-	75.11	267.30	-	0.04	-	-	13.23	-	422.24
Haryana	-	-	-	-	40.00	-	-	-	-	-	-	40.00
Punjab	-	-	-	-	55.00	-	-	-	-	-	-	55.00
Uttar Pradesh	-	66.56	-	75.11	132.82	-	-	-	-	7.73	-	282.22
Uttarakhand	-	-	-	-	20.33	-	0.04	-	-	-	-	20.37
J & K	-	-	-	-	1.54	-	-	-	-	-	-	1.54
Chandigarh	-	-	-	-	-	-	-	-	-	-	-	-
Delhi	-	-	-	-	0.03	-	-	-	-	-	-	0.03
Himachal Pradesh	-	-	-	-	17.58	-	-	-	-	5.50	-	23.08
<b>SOUTH</b>	78.06	1,101.12	7.60	232.36	31.11	15.33	37.96	32.42	5.86	101.94	-	1,931.47
Andhra Pradesh	6.84	355.51	-	75.23	3.65	0.24	12.80	1.14	-	8.64	-	686.23
Telangana	15.53	225.86	-	14.51	16.02	1.24	2.78	-	5.83	6.61	-	349.22
Karnataka	33.13	198.73	7.60	119.53	10.55	5.06	4.72	31.28	-	64.50	-	478.92
Kerala	-	57.28	-	4.60	-	2.20	2.24	-	-	3.90	-	70.22
Tamil Nadu	22.37	261.83	-	18.39	0.89	6.59	14.63	-	0.03	18.01	-	343.59
A & N Islands	-	-	-	-	-	-	-	-	-	-	-	-
Lakshadweep	-	-	-	-	-	-	-	-	-	-	-	-
Puduchery	0.19	1.91	-	0.10	-	-	0.79	-	-	0.28	-	3.29
<b>WEST</b>	0.10	364.61	100.33	360.88	217.37	11.36	-	30.00	0.01	160.85	0.26	1,261.44
Gujarat	0.01	105.73	3.07	21.89	50.05	-	-	-	-	4.18	-	184.93
Madhya Pradesh	-	27.83	-	0.14	77.60	-	-	-	0.01	1.78	0.26	110.05
Chhattisgarh	-	25.00	-	0.50	22.00	-	-	-	-	1.50	-	60.00
Maharashtra	0.09	182.65	97.26	338.35	55.68	11.36	-	29.57	-	153.19	-	870.39
Rajasthan	-	23.23	-	-	12.04	-	-	-	-	-	-	35.27
Daman & Diu	-	-	-	-	-	-	-	-	-	-	-	-
D & N Haveli	-	-	-	-	-	-	-	-	-	-	-	-
Goa	-	0.17	-	-	-	-	-	0.43	-	0.20	-	0.80
<b>All India</b>	78.16	1,783.96	107.93	1,062.16	554.60	35.37	39.02	62.42	5.87	314.71	0.26	4,443.72
# = Other than DAP/MAP.												
(Continued)												

6.02 (b) STATE-WISE CONSUMPTION OF FERTILISER PRODUCTS													
Total 2015-16													
('000 tonnes)													
Zone/State	Urea	A/S	ACI	CAN	SSP	TSP	Rock	MOP	SOP	DAP	MAP	28-28-0	14-35-14
<b>EAST</b>	<b>4,949.79</b>	<b>30.10</b>	-	-	<b>601.56</b>	-	<b>5.90</b>	<b>541.18</b>	-	<b>1,146.64</b>	-	<b>118.31</b>	<b>53.11</b>
Assam	348.99	-	-	-	84.13	-	-	65.33	-	36.63	-	-	-
Bihar	2,358.06	18.40	-	-	73.74	-	-	153.74	-	542.76	-	-	0.91
Jharkhand	220.01	-	-	-	2.18	-	-	3.19	-	70.12	-	-	-
Odisha	538.18	6.51	-	-	12.34	-	-	83.00	-	156.81	-	76.33	2.05
West Bengal	1,438.00	5.19	-	-	396.31	-	-	221.72	-	331.58	-	41.98	50.15
Arunachal Pradesh	0.69	-	-	-	0.09	-	-	0.12	-	0.07	-	-	-
Manipur	20.62	-	-	-	4.38	-	-	2.90	-	4.49	-	-	-
Meghalaya	-	-	-	-	-	-	-	-	-	-	-	-	-
Mizoram	3.50	-	-	-	0.06	-	-	0.69	-	0.65	-	-	-
Nagaland	1.82	-	-	-	0.62	-	-	0.68	-	1.30	-	-	-
Sikkim	-	-	-	-	-	-	-	-	-	-	-	-	-
Tripura	19.92	-	-	-	27.71	-	5.90	9.81	-	2.23	-	-	-
<b>NORTH</b>	<b>10,841.52</b>	<b>37.93</b>	-	<b>2.47</b>	<b>587.87</b>	-	-	<b>357.34</b>	-	<b>3,404.88</b>	-	-	-
Haryana	2,022.97	2.00	-	-	122.34	-	-	19.88	-	556.51	-	-	-
Punjab	2,800.00	8.00	-	-	93.00	-	-	87.00	-	827.00	-	-	-
Uttar Pradesh	5,431.34	27.88	-	-	361.47	-	-	219.24	-	1,933.05	-	-	-
Uttarakhand	352.68	-	-	-	5.01	-	-	3.14	-	28.16	-	-	-
J & K	154.84	-	-	-	-	-	-	19.28	-	59.25	-	-	-
Chandigarh	-	-	-	-	-	-	-	-	-	-	-	-	-
Delhi	10.79	-	-	-	-	-	-	-	-	0.91	-	-	-
Himachal Pradesh	68.90	0.05	-	2.47	6.05	-	-	8.80	-	-	-	-	-
<b>SOUTH</b>	<b>5,569.56</b>	<b>178.25</b>	<b>5.17</b>	<b>9.86</b>	<b>444.13</b>	<b>0.55</b>	<b>10.82</b>	<b>977.32</b>	<b>16.83</b>	<b>1,510.15</b>	-	<b>304.39</b>	<b>247.78</b>
Andhra Pradesh	1,547.25	52.63	-	0.26	212.78	-	-	212.52	4.67	377.03	-	228.06	146.57
Telangana	1,253.29	22.05	-	9.60	54.92	0.05	-	96.95	-	211.85	-	68.34	92.73
Karnataka	1,462.81	63.91	1.53	-	81.61	0.50	1.79	248.24	12.16	590.24	-	6.53	8.21
Kerala	175.61	2.65	-	-	3.99	-	9.03	119.89	-	26.85	-	-	-
Tamil Nadu	1,117.57	36.70	3.64	-	89.93	-	-	297.70	-	302.99	-	1.32	0.27
A & N Islands	-	-	-	-	-	-	-	-	-	-	-	-	-
Lakshadweep	-	-	-	-	-	-	-	-	-	-	-	-	-
Puducherry	13.03	0.31	-	-	0.90	-	-	2.02	-	1.19	-	0.14	-
<b>WEST</b>	<b>9,273.90</b>	<b>202.59</b>	-	-	<b>2,619.18</b>	<b>5.31</b>	-	<b>591.09</b>	-	<b>3,045.55</b>	<b>0.06</b>	<b>20.55</b>	<b>9.45</b>
Gujarat	2,022.65	133.53	-	-	142.25	5.31	-	120.09	-	407.37	-	-	-
Madhya Pradesh	2,240.58	6.64	-	-	939.60	-	-	82.82	-	924.20	0.06	1.16	1.28
Chhattisgarh	712.36	6.95	-	-	193.49	-	-	71.59	-	283.63	-	19.39	1.00
Maharashtra	2,299.59	51.47	-	-	897.06	-	-	303.18	-	654.96	-	-	7.17
Rajasthan	1,993.89	3.96	-	-	446.78	-	-	12.57	-	771.28	-	-	-
Daman & Diu	0.28	-	-	-	-	-	-	-	-	0.06	-	-	-
D & N Haveli	0.96	0.04	-	-	-	-	-	-	-	0.89	-	-	-
Goa	3.59	-	-	-	-	-	-	0.84	-	3.16	-	-	-
<b>All India</b>	<b>30,634.77</b>	<b>448.87</b>	<b>5.17</b>	<b>12.33</b>	<b>4,252.74</b>	<b>5.86</b>	<b>16.72</b>	<b>2,466.93</b>	<b>16.83</b>	<b>9,107.22</b>	<b>0.06</b>	<b>443.25</b>	<b>310.34</b>

(Continued)

6.02 (b) STATE-WISE CONSUMPTION OF FERTILISER PRODUCTS												
Total 2015-16 (concluded)												
('000 tonnes)												
Zone/State	16-20-0	20-20-0	24-24-0	10-26-26	12-32-16	16-16-16	17-17-17	19-19-19	14-28-14	15-15-15	13-33-0-6	Total NP/NPKs#
<b>EAST</b>	-	543.17	-	699.56	84.17	10.39	1.02	-	-	64.46	0.05	1,574.24
Assam	-	-	-	-	-	-	-	-	-	-	-	-
Bihar	-	269.68	-	8.16	71.17	-	-	-	-	1.90	-	351.82
Jharkhand	-	18.80	-	9.01	7.07	-	-	-	-	-	-	34.88
Odisha	-	158.08	-	11.10	0.19	-	-	-	-	4.87	0.05	252.67
West Bengal	-	96.61	-	671.29	5.04	10.39	1.02	-	-	57.69	-	934.17
Arunachal Pradesh	-	-	-	-	-	-	-	-	-	-	-	-
Manipur	-	-	-	-	-	-	-	-	-	-	-	-
Meghalaya	-	-	-	-	-	-	-	-	-	-	-	-
Mizoram	-	-	-	-	-	-	-	-	-	-	-	-
Nagaland	-	-	-	-	0.70	-	-	-	-	-	-	0.70
Sikkim	-	-	-	-	-	-	-	-	-	-	-	-
Tripura	-	-	-	-	-	-	-	-	-	-	-	-
<b>NORTH</b>	-	159.46	-	75.71	486.63	-	0.10	-	-	19.47	-	741.37
Haryana	-	-	-	-	48.57	-	-	-	-	-	-	48.57
Punjab	-	-	-	-	73.00	-	-	-	-	-	-	73.00
Uttar Pradesh	-	159.46	-	75.69	304.29	-	-	-	-	13.97	-	553.41
Uttarakhand	-	-	-	-	30.24	-	0.10	-	-	-	-	30.34
J & K	-	-	-	-	2.56	-	-	-	-	-	-	2.56
Chandigarh	-	-	-	-	-	-	-	-	-	-	-	-
Delhi	-	-	-	-	0.03	-	-	-	-	-	-	0.03
Himachal Pradesh	-	-	-	0.02	27.94	-	-	-	-	5.50	-	33.46
<b>SOUTH</b>	171.21	2,230.92	12.57	472.87	91.01	40.83	68.59	40.51	11.42	192.09	-	3,884.19
Andhra Pradesh	17.26	638.37	-	108.98	5.41	0.78	17.85	1.14	-	16.74	-	1,181.16
Telangana	45.83	514.17	-	44.53	43.46	2.53	12.42	0.09	11.36	17.20	-	852.66
Karnataka	73.31	534.49	12.57	278.90	40.36	23.81	12.73	39.28	-	120.98	-	1,151.17
Kerala	-	109.01	-	9.72	-	2.20	4.34	-	-	5.54	-	130.81
Tamil Nadu	34.51	432.17	-	30.59	1.78	11.51	20.35	-	0.06	31.35	-	563.91
A & N Islands	-	-	-	-	-	-	-	-	-	-	-	-
Lakshadweep	-	-	-	-	-	-	-	-	-	-	-	-
Puducherry	0.30	2.71	-	0.15	-	-	0.90	-	-	0.28	-	4.48
<b>WEST</b>	0.29	848.45	150.13	704.87	516.61	42.75	-	43.29	0.01	284.54	0.31	2,621.25
Gujarat	0.01	247.75	5.74	28.56	128.90	0.01	-	-	-	8.78	-	419.75
Madhya Pradesh	-	53.29	-	1.23	195.65	-	-	-	0.01	4.29	0.31	257.22
Chhattisgarh	-	40.90	-	0.50	52.12	-	-	-	-	1.50	-	115.41
Maharashtra	0.28	461.05	144.39	674.58	114.75	42.74	-	42.56	-	269.58	-	1,757.10
Rajasthan	-	45.21	-	-	25.19	-	-	-	-	-	-	70.40
Daman & Diu	-	-	-	-	-	-	-	-	-	-	-	-
D & N Haveli	-	-	-	-	-	-	-	-	-	-	-	-
Goa	-	0.25	-	-	-	-	-	0.73	-	0.39	-	1.37
<b>All India</b>	171.50	3,782.00	162.70	1,953.01	1,178.42	93.97	69.71	83.80	11.43	560.56	0.36	8,821.05
# = Other than DAP/MAP.												

6.02 (c) ALL INDIA DESPATCHES OF SULPHUR CARRYING FERTILISERS (1990-91 to 2015-16)							
Year	A/S (20.6% N & 23% S)	Amm.phosphate sulphate		(15% N, 15% P 15% K & 9% S) <sup>1</sup> , (13% N, 33% P 0% K & 6% S) <sup>2</sup>	SSP (16% P & 11% S)	SOP (50% K & 17.5% S)	Total 'S'
		(16% N, 20% P & 13% S)	(20% N, 20% P & 13% S)				
1990-91	554.7	71.8	539.8	-	3,593.5	30.7	607.7
1991-92	543.2	102.5	649.5	-	3,050.3	18.5	561.5
1992-93	550.6	93.7	717.9	-	2,110.3	14.6	466.8
1993-94	579.7	96.8	637.6	-	2,250.7	8.8	477.9
1994-95	580.0	142.4	816.5	-	3,017.6	10.9	591.9
1995-96	631.0	172.3	1,051.7	-	3,293.8	12.4	668.7
1996-97	662.9	168.3	744.0	-	3,019.2	10.5	605.0
1997-98	561.5	200.1	697.0	-	3,679.7	16.6	653.4
1998-99	549.2	214.9	732.3	-	3,774.7	16.1	667.5
1999-2000	588.2	232.4	1,038.3	-	3,661.1	17.6	706.3
2000-01	587.7	195.3	1,230.0	-	2,720.1	9.8	621.4
2001-02	582.5	194.0	1,239.5	-	2,590.9	18.3	608.5
2002-03	545.1	199.3	1,253.1	-	2,390.4	19.3	580.5
2003-04	591.0	110.9	1,003.3	-	2,449.0	21.9	554.0
2004-05	643.1	123.3	1,264.6	-	2,472.3	25.6	604.8
2005-06	620.9	180.6	1,604.5	-	2,705.0	27.9	677.3
2006-07	629.2	175.6	2,222.8	-	2,928.6	27.3	783.4
2007-08	483.7	154.8	1,276.1	-	2,244.7	30.1	549.5
2008-09	518.8	162.1	2,397.2	-	2,614.7	30.1	744.9
2009-10	470.0	210.8	3,238.4	-	2,784.0	30.0	868.0
2010-11	616.0	438.7	3,203.9	23.8 <sup>1</sup>	3,678.1	19.3	1,025.3
2011-12	509.4	632.6	3,146.2	71.3 <sup>1</sup> 252.8 <sup>2</sup>	4,608.9	30.8	1,142.4
2012-13	529.7	219.8	2,499.7	10.1 <sup>1</sup> 7.0 <sup>2</sup>	4,200.2	34.5	944.8
2013-14	480.7	181.4	2,940.0	5.8 <sup>1</sup>	4,095.7	30.5	972.7
2014-15	508.6	75.3	3,194.3	24.7 <sup>1</sup>	4,196.3	19.0	1,009.1
2015-16	563.9	131.8	3,590.6	142.6 <sup>1</sup>	4,551.6	16.8	1,130.1

Note: Despatches include sulphur from indigenous and import sources.



6.04 SEASON-WISE SHARE OF CONSUMPTION OF N, P <sub>2</sub> O <sub>5</sub> & K <sub>2</sub> O BY STATES - KHARIF 2013 to 2015												
Zone/State	2013				2014				2015 (P)			
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total
<b>EAST</b>	<b>49</b>	<b>39</b>	<b>44</b>	<b>47</b>	<b>48</b>	<b>45</b>	<b>46</b>	<b>47</b>	<b>47</b>	<b>44</b>	<b>44</b>	<b>46</b>
Arunachal Pradesh	--	--	--	--	--	--	--	--	59	33	33	54
Assam	45	44	42	44	46	46	50	47	45	49	48	46
Bihar	44	27	35	41	43	35	35	41	40	38	33	39
Jharkhand	67	46	40	62	61	69	62	62	65	69	83	66
Manipur	76	58	33	69	86	73	73	82	79	67	72	76
Meghalaya	57	65	78	60	91	97	100	93	--	--	--	--
Mizoram	90	35	48	83	73	100	100	77	43	66	69	50
Nagaland	61	51	50	56	52	51	52	52	58	49	49	53
Odisha	81	69	75	77	69	67	69	68	78	68	63	74
Tripura	46	54	49	49	47	49	47	48	41	44	52	45
West Bengal	40	34	42	39	43	42	45	43	42	39	43	41
<b>NORTH</b>	<b>45</b>	<b>33</b>	<b>40</b>	<b>43</b>	<b>44</b>	<b>40</b>	<b>40</b>	<b>43</b>	<b>48</b>	<b>47</b>	<b>42</b>	<b>48</b>
Haryana	42	41	48	42	42	44	60	42	41	48	37	42
Himachal Pradesh	51	24	16	41	48	17	11	37	50	34	21	42
Jammu & Kashmir	44	44	15	41	52	42	22	45	48	35	19	42
Punjab	47	31	69	44	47	39	62	46	47	39	50	45
Uttar Pradesh	45	32	36	42	43	39	34	41	52	51	42	51
Uttarakhand	54	41	41	52	52	35	36	49	45	39	46	44
Delhi	30	--	--	30	68	--	--	68	40	67	--	42
<b>SOUTH</b>	<b>52</b>	<b>50</b>	<b>48</b>	<b>51</b>	<b>48</b>	<b>49</b>	<b>50</b>	<b>49</b>	<b>50</b>	<b>50</b>	<b>52</b>	<b>50</b>
Andhra Pradesh	44	43	38	43	40	38	44	40	47	44	45	46
Telangana	55	48	53	53	55	55	54	55	53	51	58	53
Karnataka	61	59	56	60	56	60	55	57	59	61	62	60
Kerala	48	47	47	48	60	57	57	58	45	51	46	47
Tamil Nadu	46	49	45	47	37	40	42	39	37	39	45	39
Puducherry	50	39	44	48	52	35	39	48	55	38	60	53
A & N Islands	52	51	45	50	53	54	50	53	--	--	--	--
<b>WEST</b>	<b>51</b>	<b>54</b>	<b>54</b>	<b>52</b>	<b>49</b>	<b>57</b>	<b>57</b>	<b>52</b>	<b>53</b>	<b>56</b>	<b>52</b>	<b>54</b>
Gujarat	50	48	47	50	49	61	54	52	55	53	50	54
Madhya Pradesh	44	56	61	48	39	50	61	44	45	57	60	50
Chhattisgarh	80	71	87	78	76	75	65	75	76	67	68	73
Maharashtra	58	50	52	55	57	57	57	57	60	49	49	55
Rajasthan	40	54	41	43	36	53	42	41	43	64	57	49
Goa	63	54	54	59	63	70	62	65	62	66	76	66
Daman & Diu	63	50	100	64	64	50	--	63	64	50	--	63
D & N Haveli	91	94	-	91	83	84	--	83	86	84	--	85
<b>All India</b>	<b>49</b>	<b>46</b>	<b>48</b>	<b>48</b>	<b>47</b>	<b>49</b>	<b>50</b>	<b>48</b>	<b>50</b>	<b>51</b>	<b>49</b>	<b>50</b>

(P) = Provisional.

Note : Balance accounts for share of Rabi season.

6.05 ALL INDIA CONSUMPTION RATIO OF N & P <sub>2</sub> O <sub>5</sub> IN RELATION TO K <sub>2</sub> O AND N RELATION TO P <sub>2</sub> O <sub>5</sub> . 1951-52 to 2015-16					
Year	N:P <sub>2</sub> O <sub>5</sub> :K <sub>2</sub> O			N:P <sub>2</sub> O <sub>5</sub>	
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	N	P <sub>2</sub> O <sub>5</sub>
1951-52	7.9	0.9	1	8.5	1
1954-55	8.5	1.4	1	6.3	1
1955-56	10.0	1.3	1	8.3	1
1956-57	8.3	1.1	1	7.7	1
1957-58	16.6	1.7	1	6.8	1
1958-59	7.7	1.3	1	5.8	1
1959-60	10.8	2.5	1	4.3	1
1960-61	7.3	1.8	1	4.0	1
1961-62	8.9	2.2	1	4.1	1
1962-63	9.1	2.3	1	4.0	1
1963-64	7.4	2.3	1	3.2	1
1964-65	8.0	2.1	1	3.7	1
1965-66	7.4	1.7	1	4.3	1
1966-67	6.5	2.2	1	3.0	1
1967-68	5.5	2.0	1	3.1	1
1968-69	7.1	2.2	1	3.2	1
1969-70	6.5	2.0	1	3.3	1
1970-71	6.3	2.3	1	2.7	1
1971-72	6.0	1.9	1	3.2	1
1972-73	5.3	1.7	1	3.2	1
1973-74	5.1	1.8	1	2.8	1
1974-75	5.3	1.4	1	3.7	1
1975-76	7.7	1.7	1	4.6	1
1976-77	7.7	2.0	1	3.9	1
1977-78	5.8	1.7	1	3.4	1
1978-79	5.8	1.9	1	3.1	1
1979-80	5.8	1.9	1	3.0	1
1980-81	5.9	1.9	1	3.0	1
1981-82	6.0	1.9	1	3.1	1
1982-83 (Feb./Jan.)	5.8	2.0	1	2.9	1
1982-83 (April/March)	5.8	2.0	1	3.0	1
1983-84	6.7	2.2	1	2.9	1
1984-85	6.5	2.2	1	2.9	1
1985-86	7.0	2.5	1	2.8	1
1986-87	6.7	2.5	1	2.7	1
1987-88	6.5	2.5	1	2.6	1
1988-89	6.8	2.5	1	2.7	1
1989-90	6.3	2.6	1	2.5	1
1990-91	6.0	2.4	1	2.5	1
1991-92	5.9	2.4	1	2.4	1
1992-93	9.5	3.2	1	3.0	1
1993-94	9.7	2.9	1	3.3	1
1994-95	8.5	2.6	1	3.2	1
1995-96	8.5	2.5	1	3.4	1
1996-97	10.0	2.9	1	3.5	1
1997-98	7.9	2.9	1	2.8	1
1998-99	8.5	3.1	1	2.8	1
1999-2000	6.9	2.9	1	2.4	1
2000-01	7.0	2.7	1	2.6	1
2001-02	6.8	2.6	1	2.6	1
2002-03	6.5	2.5	1	2.6	1
2003-04	6.9	2.6	1	2.7	1
2004-05	5.7	2.2	1	2.5	1
2005-06	5.3	2.2	1	2.4	1
2006-07	5.9	2.4	1	2.5	1
2007-08	5.5	2.1	1	2.6	1
2008-09	4.6	2.0	1	2.3	1
2009-10	4.3	2.0	1	2.1	1
2010-11	4.7	2.3	1	2.1	1
2011-12	6.7	3.1	1	2.2	1
2012-13	8.2	3.2	1	2.5	1
2013-14	8.0	2.7	1	3.0	1
2014-15	6.7	2.4	1	2.8	1
2015-16 (P)	7.2	2.9	1	2.5	1

(P) = Provisional.

6.06(a) STATE-WISE CONSUMPTION RATIO OF N & P <sub>2</sub> O <sub>5</sub> IN RELATION TO K <sub>2</sub> O AND N IN RELATION TO P <sub>2</sub> O <sub>5</sub> 2014-15 and 2015-16										
Zone/State	N:P <sub>2</sub> O <sub>5</sub> :K <sub>2</sub> O						N:P <sub>2</sub> O <sub>5</sub>			
	2014-15			2015-16 (P)			2014-15		2015-16 (P)	
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	N	P <sub>2</sub> O <sub>5</sub>	N	P <sub>2</sub> O <sub>5</sub>
<b>EAST</b>	<b>4.0</b>	<b>1.4</b>	<b>1</b>	<b>5.0</b>	<b>1.9</b>	<b>1</b>	<b>2.8</b>	<b>1</b>	<b>2.7</b>	<b>1</b>
Arunachal Pradesh	--	--	-	4.9	0.3	1	--	-	14.7	1
Assam	1.9	0.6	1	4.2	0.8	1	3.1	1	5.0	1
Bihar	9.0	2.1	1	11.8	3.2	1	4.3	1	3.7	1
Jharkhand	28.3	6.0	1	22.7	7.6	1	4.7	1	3.0	1
Manipur	5.7	1.1	1	5.9	1.6	1	5.1	1	3.7	1
Meghalaya	4.5	1.2	1	--	--	-	3.8	1	--	-
Mizoram	9.6	0.4	1	3.8	0.7	1	25.8	1	5.6	1
Nagaland	2.8	1.6	1	2.3	1.6	1	1.7	1	1.5	1
Odisha	5.3	2.1	1	5.6	2.3	1	2.5	1	2.4	1
Tripura	2.2	1.7	1	1.5	1.1	1	1.3	1	1.5	1
West Bengal	2.4	1.2	1	2.6	1.4	1	1.9	1	1.9	1
<b>NORTH</b>	<b>19.7</b>	<b>5.3</b>	<b>1</b>	<b>17.4</b>	<b>5.7</b>	<b>1</b>	<b>3.7</b>	<b>1</b>	<b>3.1</b>	<b>1</b>
Haryana	28.0	7.0	1	52.6	14.8	1	4.0	1	3.6	1
Himachal Pradesh	3.7	0.9	1	3.7	1.0	1	4.1	1	3.7	1
Jammu & Kashmir	4.3	2.0	1	6.9	2.3	1	2.2	1	2.9	1
Punjab	36.0	8.7	1	18.6	5.4	1	4.1	1	3.5	1
Uttar Pradesh	16.9	4.9	1	14.5	5.4	1	3.5	1	2.7	1
Uttarakhand	18.7	3.5	1	25.4	3.5	1	5.3	1	7.3	1
Delhi	--	--	-	--	--	-	--	-	12.0	1
<b>SOUTH</b>	<b>4.1</b>	<b>1.7</b>	<b>1</b>	<b>4.4</b>	<b>2.0</b>	<b>1</b>	<b>2.4</b>	<b>1</b>	<b>2.2</b>	<b>1</b>
Andhra Pradesh	4.9	2.0	1	5.5	2.6	1	2.4	1	2.1	1
Telangana	10.0	3.3	1	7.9	2.9	1	3.1	1	2.7	1
Karnataka	3.0	1.5	1	3.7	2.0	1	2.0	1	1.8	1
Kerala	1.7	0.7	1	1.5	0.5	1	2.4	1	2.7	1
Tamil Nadu	3.2	1.2	1	3.5	1.4	1	2.7	1	2.6	1
Puducherry	4.3	0.9	1	5.5	1.1	1	4.6	1	5.0	1
A & N Islands	1.9	1.5	1	--	--	-	1.3	1	--	-
<b>WEST</b>	<b>6.7</b>	<b>2.9</b>	<b>1</b>	<b>7.6</b>	<b>3.5</b>	<b>1</b>	<b>2.3</b>	<b>1</b>	<b>2.2</b>	<b>1</b>
Gujarat	10.6	3.1	1	10.9	3.1	1	3.5	1	3.5	1
Madhya Pradesh	15.5	8.4	1	15.0	7.9	1	1.8	1	1.9	1
Chhattisgarh	6.6	3.1	1	6.8	3.3	1	2.1	1	2.1	1
Maharashtra	3.0	1.5	1	3.4	1.9	1	2.0	1	1.7	1
Rajasthan	62.7	21.8	1	58.2	24.1	1	2.9	1	2.4	1
Goa	2.9	1.3	1	2.3	1.4	1	2.2	1	1.6	1
Daman & Diu	--	--	-	--	--	-	7.0	1	7.0	1
D & N Haveli	--	--	-	--	--	-	1.5	1	1.8	1
<b>All India</b>	<b>6.7</b>	<b>2.4</b>	<b>1</b>	<b>7.2</b>	<b>2.9</b>	<b>1</b>	<b>2.8</b>	<b>1</b>	<b>2.5</b>	<b>1</b>

(P) = Provisional.



6.06(b) STATE-WISE CONSUMPTION RATIO OF N & P <sub>2</sub> O <sub>5</sub> IN RELATION TO K <sub>2</sub> O AND N IN RELATION TO P <sub>2</sub> O <sub>5</sub> Kharif ( 2014 and 2015)											
Zone/State	N:P <sub>2</sub> O <sub>5</sub> :K <sub>2</sub> O						N:P <sub>2</sub> O <sub>5</sub>				
	2014			2015 (P)			2014		2015 (P)		
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	N	P <sub>2</sub> O <sub>5</sub>	N	P <sub>2</sub> O <sub>5</sub>	
<b>EAST</b>	<b>4.2</b>	<b>1.4</b>	<b>1</b>	<b>5.3</b>	<b>1.9</b>	<b>1</b>	<b>3.0</b>	<b>1</b>	<b>2.9</b>	<b>1</b>	
Arunachal Pradesh	--	--	-	8.7	0.3	1	--	-	26.0	1	
Assam	1.8	0.6	1	3.9	0.9	1	3.2	1	4.6	1	
Bihar	11.0	2.1	1	14.1	3.6	1	5.3	1	3.9	1	
Jharkhand	27.7	6.7	1	17.6	6.3	1	4.1	1	2.8	1	
Manipur	6.7	1.1	1	6.5	1.5	1	6.0	1	4.4	1	
Meghalaya	4.1	1.2	1	--	--	-	3.5	1	--	-	
Mizoram	7.0	0.4	1	2.4	0.7	1	-	-	3.6	1	
Nagaland	2.8	1.6	1	2.8	1.6	1	1.7	1	1.7	1	
Odisha	5.3	2.0	1	6.9	2.5	1	2.6	1	2.8	1	
Tripura	2.2	1.8	1	1.2	0.9	1	1.2	1	1.4	1	
West Bengal	2.3	1.2	1	2.5	1.3	1	1.9	1	2.0	1	
<b>NORTH</b>	<b>21.8</b>	<b>5.3</b>	<b>1</b>	<b>20.0</b>	<b>6.4</b>	<b>1</b>	<b>4.1</b>	<b>1</b>	<b>3.1</b>	<b>1</b>	
Haryana	19.3	5.1	1	58.2	19.0	1	3.8	1	3.1	1	
Himachal Pradesh	16.2	1.4	1	9.1	1.6	1	11.4	1	5.5	1	
Jammu & Kashmir	10.3	3.8	1	17.4	4.3	1	2.7	1	4.0	1	
Punjab	27.2	5.4	1	17.5	4.1	1	5.0	1	4.2	1	
Uttar Pradesh	21.0	5.6	1	18.0	6.7	1	3.8	1	2.7	1	
Uttarakhand	27.2	3.5	1	24.6	3.0	1	7.8	1	8.3	1	
Delhi	--	--	-	--	--	-	--	-	7.0	1	
<b>SOUTH</b>	<b>3.9</b>	<b>1.7</b>	<b>1</b>	<b>4.2</b>	<b>1.9</b>	<b>1</b>	<b>2.4</b>	<b>1</b>	<b>2.2</b>	<b>1</b>	
Andhra Pradesh	4.5	1.7	1	5.8	2.6	1	2.5	1	2.2	1	
Telangana	10.1	3.3	1	7.2	2.6	1	3.1	1	2.7	1	
Karnataka	3.1	1.6	1	3.5	2.0	1	1.9	1	1.8	1	
Kerala	1.8	0.7	1	1.4	0.6	1	2.5	1	2.4	1	
Tamil Nadu	2.8	1.1	1	2.9	1.2	1	2.5	1	2.4	1	
Puducherry	5.8	0.8	1	5.1	0.7	1	6.9	1	7.3	1	
A & N Islands	2.0	1.6	1	--	--	-	1.2	1	--	-	
<b>WEST</b>	<b>5.8</b>	<b>2.9</b>	<b>1</b>	<b>7.7</b>	<b>3.8</b>	<b>1</b>	<b>2.0</b>	<b>1</b>	<b>2.0</b>	<b>1</b>	
Gujarat	9.6	3.5	1	11.8	3.3	1	2.7	1	3.6	1	
Madhya Pradesh	10.0	6.9	1	11.4	7.5	1	1.5	1	1.5	1	
Chhattisgarh	7.7	3.6	1	7.6	3.3	1	2.1	1	2.3	1	
Maharashtra	3.0	1.5	1	4.1	2.0	1	2.0	1	2.1	1	
Rajasthan	54.6	27.7	1	44.3	27.1	1	2.0	1	1.6	1	
Goa	3.0	1.5	1	1.9	1.2	1	2.0	1	1.5	1	
Daman & Diu	--	--	-	--	--	-	9.0	1	9.0	1	
D & N Haveli	--	--	-	--	--	-	1.4	1	1.9	1	
<b>All India</b>	<b>6.3</b>	<b>2.4</b>	<b>1</b>	<b>7.4</b>	<b>3.0</b>	<b>1</b>	<b>2.7</b>	<b>1</b>	<b>2.5</b>	<b>1</b>	

(P) = Provisional.

6.06(c) STATE-WISE CONSUMPTION RATIO OF N & P <sub>2</sub> O <sub>5</sub> IN RELATION TO K <sub>2</sub> O AND N IN RELATION TO P <sub>2</sub> O <sub>5</sub>										
Rabi (2014-15 and 2015-16)										
Zone/State	N:P <sub>2</sub> O <sub>5</sub> :K <sub>2</sub> O						N:P <sub>2</sub> O <sub>5</sub>			
	2014-15			2015-16 (P)			2014-15		2015-16 (P)	
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	N	P <sub>2</sub> O <sub>5</sub>	N	P <sub>2</sub> O <sub>5</sub>
<b>EAST</b>	<b>3.9</b>	<b>1.5</b>	<b>1</b>	<b>4.8</b>	<b>1.9</b>	<b>1</b>	<b>2.7</b>	<b>1</b>	<b>2.6</b>	<b>1</b>
Arunachal Pradesh	--	--	-	3.0	0.3	1	--	-	9.0	1
Assam	2.1	0.7	1	4.5	0.8	1	3.1	1	5.5	1
Bihar	7.9	2.1	1	10.6	3.0	1	3.7	1	3.5	1
Jharkhand	29.4	4.9	1	48.2	14.2	1	5.9	1	3.4	1
Manipur	2.9	1.1	1	4.4	1.9	1	2.7	1	2.3	1
Meghalaya	130.0	10.0	1	--	--	-	13.0	1	--	-
Mizoram	--	--	-	7.1	0.8	1	--	-	9.2	1
Nagaland	2.8	1.7	1	1.9	1.6	1	1.6	1	1.2	1
Odisha	5.3	2.3	1	3.3	1.9	1	2.3	1	1.7	1
Tripura	2.2	1.6	1	1.9	1.2	1	1.3	1	1.5	1
West Bengal	2.5	1.3	1	2.6	1.5	1	1.9	1	1.8	1
<b>NORTH</b>	<b>18.4</b>	<b>5.3</b>	<b>1</b>	<b>15.5</b>	<b>5.2</b>	<b>1</b>	<b>3.4</b>	<b>1</b>	<b>3.0</b>	<b>1</b>
Haryana	41.1	9.9	1	49.4	12.3	1	4.1	1	4.0	1
Himachal Pradesh	2.1	0.8	1	2.3	0.8	1	2.6	1	2.8	1
Jammu & Kashmir	2.6	1.5	1	4.4	1.9	1	1.8	1	2.3	1
Punjab	50.5	14.2	1	19.7	6.6	1	3.6	1	3.0	1
Uttar Pradesh	14.8	4.5	1	12.0	4.6	1	3.3	1	2.6	1
Uttarakhand	14.0	3.5	1	26.0	3.9	1	4.0	1	6.6	1
Delhi	--	--	-	--	--	-	--	-	22.1	1
<b>SOUTH</b>	<b>4.2</b>	<b>1.7</b>	<b>1</b>	<b>4.6</b>	<b>2.1</b>	<b>1</b>	<b>2.5</b>	<b>1</b>	<b>2.2</b>	<b>1</b>
Andhra Pradesh	5.3	2.2	1	5.3	2.7	1	2.4	1	2.0	1
Telangana	9.9	3.2	1	8.9	3.4	1	3.1	1	2.6	1
Karnataka	2.9	1.3	1	3.9	2.0	1	2.2	1	1.9	1
Kerala	1.6	0.7	1	1.5	0.5	1	2.3	1	3.0	1
Tamil Nadu	3.5	1.2	1	4.0	1.5	1	2.8	1	2.7	1
Puducherry	3.3	1.0	1	6.2	1.7	1	3.4	1	3.7	1
A & N Islands	1.8	1.4	1	--	--	-	1.3	1	--	-
<b>WEST</b>	<b>8.0</b>	<b>2.9</b>	<b>1</b>	<b>7.4</b>	<b>3.3</b>	<b>1</b>	<b>2.8</b>	<b>1</b>	<b>2.3</b>	<b>1</b>
Gujarat	11.9	2.6	1	9.9	2.9	1	4.6	1	3.4	1
Madhya Pradesh	24.0	10.7	1	20.4	8.5	1	2.2	1	2.4	1
Chhattisgarh	4.5	2.2	1	5.2	3.5	1	2.1	1	1.5	1
Maharashtra	3.0	1.5	1	2.6	1.9	1	2.0	1	1.4	1
Rajasthan	68.6	17.6	1	76.4	20.3	1	3.9	1	3.8	1
Goa	2.8	1.0	1	3.8	2.0	1	2.7	1	1.9	1
Daman & Diu	--	--	-	--	--	-	5.0	1	5.0	1
D & N Haveli	--	--	-	--	--	-	1.6	1	1.6	1
<b>All India</b>	<b>7.1</b>	<b>2.5</b>	<b>1</b>	<b>7.1</b>	<b>2.8</b>	<b>1</b>	<b>2.9</b>	<b>1</b>	<b>2.5</b>	<b>1</b>

(P) = Provisional.

6.07 ALL INDIA CONSUMPTION OF PLANT NUTRIENTS PER UNIT OF GROSS CROPPED AREA 1951-52 to 2015-16					
Year	Gross cropped area ('000 ha.)	Consumption per hectare (kg)			
		N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total
1951-52	1,33,234	0.44	0.05	-	0.49
1954-55	1,44,087	0.66	0.10	0.08	0.84
1955-56	1,47,311	0.73	0.09	0.07	0.89
1956-57	1,49,492	0.82	0.11	0.10	1.03
1957-58	1,45,832	1.02	0.15	0.09	1.26
1958-59	1,51,629	1.13	0.19	0.15	1.48
1959-60	1,52,824	1.50	0.35	0.14	1.99
1960-61	1,52,772	1.39	0.35	0.19	1.92
1961-62	1,56,209	1.60	0.39	0.18	2.17
1962-63	1,56,760	2.12	0.53	0.23	2.88
1963-64	1,56,963	2.40	0.74	0.32	3.46
1964-65	1,59,229	3.49	0.93	0.44	4.86
1965-66	1,55,276	3.70	0.85	0.50	5.05
1966-67	1,57,355	4.69	1.58	0.73	6.99
1967-68	1,63,736	6.32	2.04	1.04	9.40
1968-69	1,59,529	7.58	2.40	1.07	11.04
1969-70	1,62,265	8.36	2.56	1.29	12.21
1970-71	1,65,791	8.92	3.26	1.43	13.61
1971-72	1,65,186	10.88	3.38	1.82	16.08
1972-73	1,62,150	11.34	3.58	2.14	17.07
1973-74	1,69,872	10.77	3.82	2.12	16.71
1974-75	1,64,191	10.75	2.87	2.05	15.67
1975-76	1,71,296	12.54	2.73	1.62	16.89
1976-77	1,67,334	14.68	3.79	1.91	20.38
1977-78	1,72,232	16.91	5.03	2.94	24.88
1978-79	1,74,802	19.56	6.33	3.38	29.27
1979-80	1,69,589	20.63	6.79	3.58	30.99
1980-81	1,72,630	21.31	7.03	3.61	31.95
1981-82	1,76,750	23.02	7.48	3.83	34.33
1982-83	1,72,748	24.56	8.29	4.20	37.06
1983-84	1,79,560	28.98	9.64	4.32	42.94
1984-85	1,76,330	31.11	10.70	4.76	46.57
1985-86	1,78,464	31.72	11.24	4.53	47.48
1986-87	1,76,405	32.40	11.78	4.82	49.01
1987-88	1,70,738	33.48	12.81	5.16	51.45
1988-89	1,82,277	39.78	14.93	5.86	60.57
1989-90	1,82,269	40.52	16.54	6.41	63.47
1990-91	1,85,742	43.06	17.34	7.15	67.55
1991-92	1,82,241	44.15	18.22	7.47	69.84
1992-93	1,85,618	45.40	15.32	4.76	65.48
1993-94	1,86,595	47.10	14.31	4.87	66.27
1994-95	1,88,053	50.56	15.59	5.98	72.13
1995-96	1,87,471	52.40	15.46	6.17	74.02
1996-97	1,89,502	54.36	15.71	5.43	75.50
1997-98	1,89,988	57.38	20.60	7.22	85.20
1998-99	1,91,649	59.24	21.46	6.95	87.65
1999-2000	1,88,396	61.53	25.47	8.91	95.91
2000-01	1,85,340	58.92	22.74	8.46	90.12
2001-02	1,88,014	60.16	23.31	8.87	92.33
2002-03	1,73,889	60.23	23.11	9.21	92.55
2003-04	1,89,661	58.40	21.75	8.43	88.57
2004-05	1,91,103	61.30	24.20	10.78	96.27
2005-06	1,92,737	66.01	27.00	12.52	105.53
2006-07	1,92,381	71.59	28.81	12.14	112.54
2007-08	1,95,223	73.86	28.25	13.50	115.61
2008-09 (P)	1,95,328	77.26	33.31	16.96	127.53
2009-10 (P)	1,89,002	82.43	38.49	19.22	140.14
2010-11 (P)	1,97,563	83.81	40.74	17.79	142.35
2011-12 (P)	1,95,632	88.43	40.46	13.16	142.05
2012-13 (P)	1,94,399	86.53	34.23	10.61	131.36
2013-14 (P)		86.16	28.98	10.80	125.94
2014-15 (P)		87.19	31.37	13.03	131.59
2015-16 (P)		89.36	35.90	12.35	137.62

(P) = Provisional.

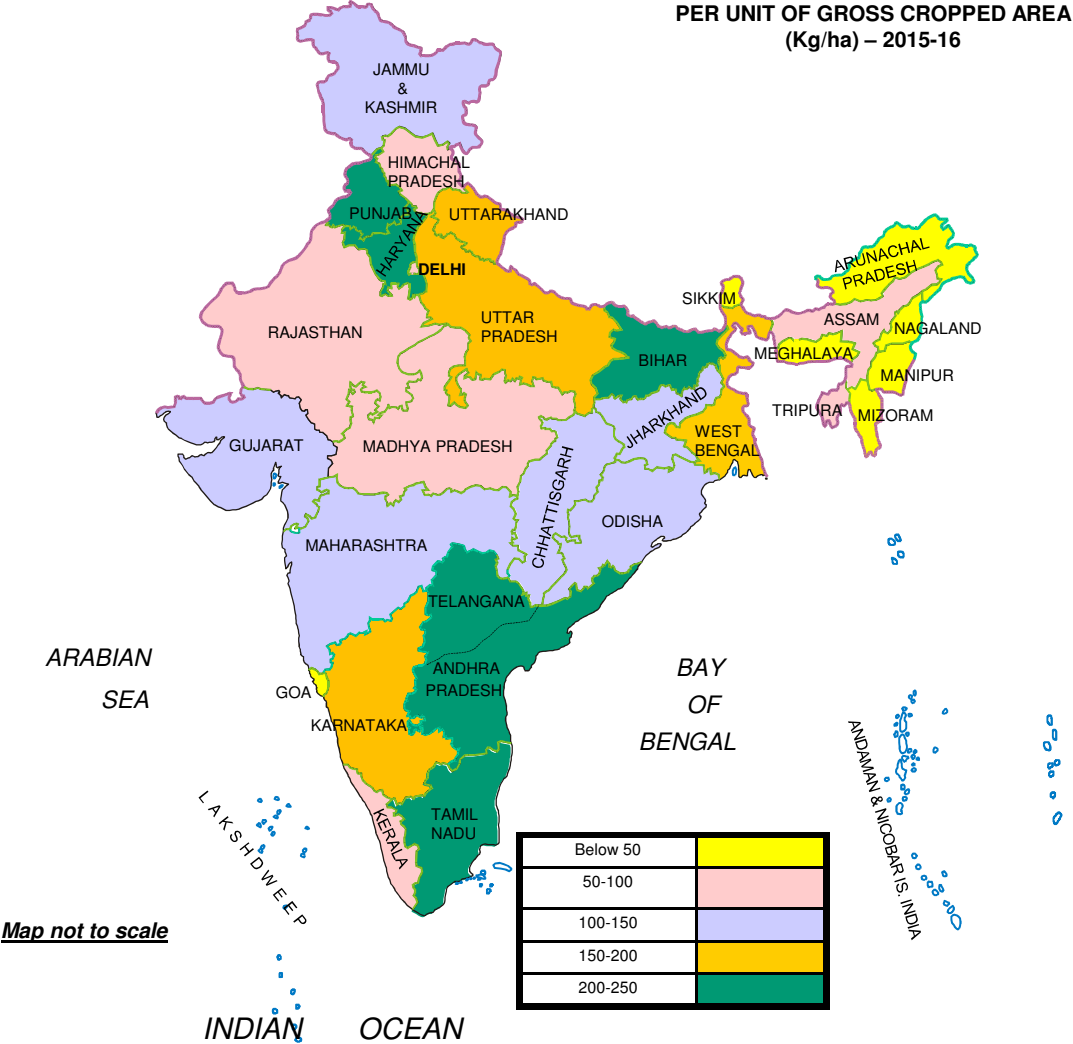
Note : 1. Calculated on the basis of consumption figures given in Table 6.01 (a) (Part I) and gross cropped area in Table 1.01 (Part II).

2. Figures of consumption and gross cropped area refer to the same year, except last three years, where gross cropped area is for the year 2012-13.

6.08 STATE-WISE CONSUMPTION OF PLANT NUTRIENTS PER UNIT OF GROSS CROPPED AREA 2014-15 and 2015-16 (Provisional)								
Zone/State	2014-15				2015-16			
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total
	(kg/ha)							
<b>EAST</b>	<b>77.0</b>	<b>27.3</b>	<b>19.1</b>	<b>123.4</b>	<b>89.7</b>	<b>33.2</b>	<b>17.9</b>	<b>140.9</b>
Arunachal Pradesh	-	-	-	-	1.5	0.1	0.3	2.0
Assam	37.2	12.0	19.1	68.2	40.3	8.0	9.5	57.8
Bihar	128.6	30.2	14.3	173.1	160.7	43.8	13.7	218.2
Jharkhand	55.4	11.8	2.0	69.2	74.1	24.7	3.3	102.1
Manipur	35.7	7.0	6.3	48.9	33.3	9.0	5.6	47.9
Meghalaya	4.1	1.1	0.9	6.1	-	-	-	-
Mizoram	22.2	0.9	2.3	25.4	13.9	2.5	3.6	20.0
Nagaland	2.7	1.6	1.0	5.3	2.4	1.7	1.0	5.1
Odisha	62.0	24.9	11.7	98.5	64.5	26.4	11.6	102.5
Tripura	23.3	18.0	10.7	52.0	26.0	17.7	16.8	60.5
West Bengal	78.2	40.4	33.0	151.6	86.6	46.6	33.7	166.9
<b>NORTH</b>	<b>133.3</b>	<b>36.0</b>	<b>6.8</b>	<b>176.1</b>	<b>131.7</b>	<b>43.1</b>	<b>7.6</b>	<b>182.4</b>
Haryana	158.9	39.8	5.7	204.4	162.7	45.6	3.1	211.4
Himachal Pradesh	37.0	9.0	10.0	56.0	38.6	10.4	10.4	59.4
Jammu & Kashmir	56.0	25.7	13.0	94.7	70.7	24.2	10.3	105.2
Punjab	171.8	41.7	4.8	218.3	183.9	53.2	9.9	247.0
Uttar Pradesh	122.7	35.4	7.3	165.4	113.5	42.5	7.8	163.8
Uttarakhand	122.2	22.8	6.5	151.6	152.1	20.9	6.0	179.0
Delhi	174.9	-	-	174.9	104.9	8.8	-	113.7
<b>SOUTH</b>	<b>109.1</b>	<b>44.6</b>	<b>26.7</b>	<b>180.4</b>	<b>111.0</b>	<b>50.0</b>	<b>25.2</b>	<b>186.2</b>
Andhra Pradesh	135.2	55.7	27.5	218.4	128.5	61.5	23.3	213.3
Telangana	145.3	47.1	14.5	207.0	154.2	57.6	19.5	231.3
Karnataka	85.3	42.4	28.3	155.9	83.6	45.2	22.7	151.5
Kerala	40.3	16.6	23.9	80.8	42.8	15.9	29.5	88.2
Tamil Nadu	117.0	43.4	37.0	197.4	132.8	51.9	37.9	222.6
Puducherry	306.5	66.5	71.9	445.0	290.8	57.7	52.7	401.2
A & N Islands	20.4	16.3	10.8	47.5	-	-	-	-
<b>WEST</b>	<b>59.5</b>	<b>25.5</b>	<b>8.8</b>	<b>93.8</b>	<b>60.0</b>	<b>27.9</b>	<b>7.9</b>	<b>95.9</b>
Gujarat	96.6	27.9	9.1	133.7	87.4	24.9	8.0	120.4
Madhya Pradesh	48.4	26.2	3.1	77.7	53.3	28.1	3.6	85.0
Chhattisgarh	65.6	30.8	10.0	106.4	68.7	33.3	10.0	112.0
Maharashtra	70.4	34.8	23.4	128.7	66.3	38.5	19.8	124.6
Rajasthan	39.8	13.8	0.6	54.2	44.6	18.5	0.8	63.9
Goa	15.6	7.0	5.3	27.9	14.6	9.0	6.3	29.9
Daman & Diu	46.7	6.7	-	53.3	46.7	6.7	-	53.3
D & N Haveli	26.7	18.3	-	45.0	23.8	12.9	-	36.7
<b>All India</b>	<b>87.2</b>	<b>31.4</b>	<b>13.0</b>	<b>131.6</b>	<b>89.4</b>	<b>35.9</b>	<b>12.4</b>	<b>137.6</b>

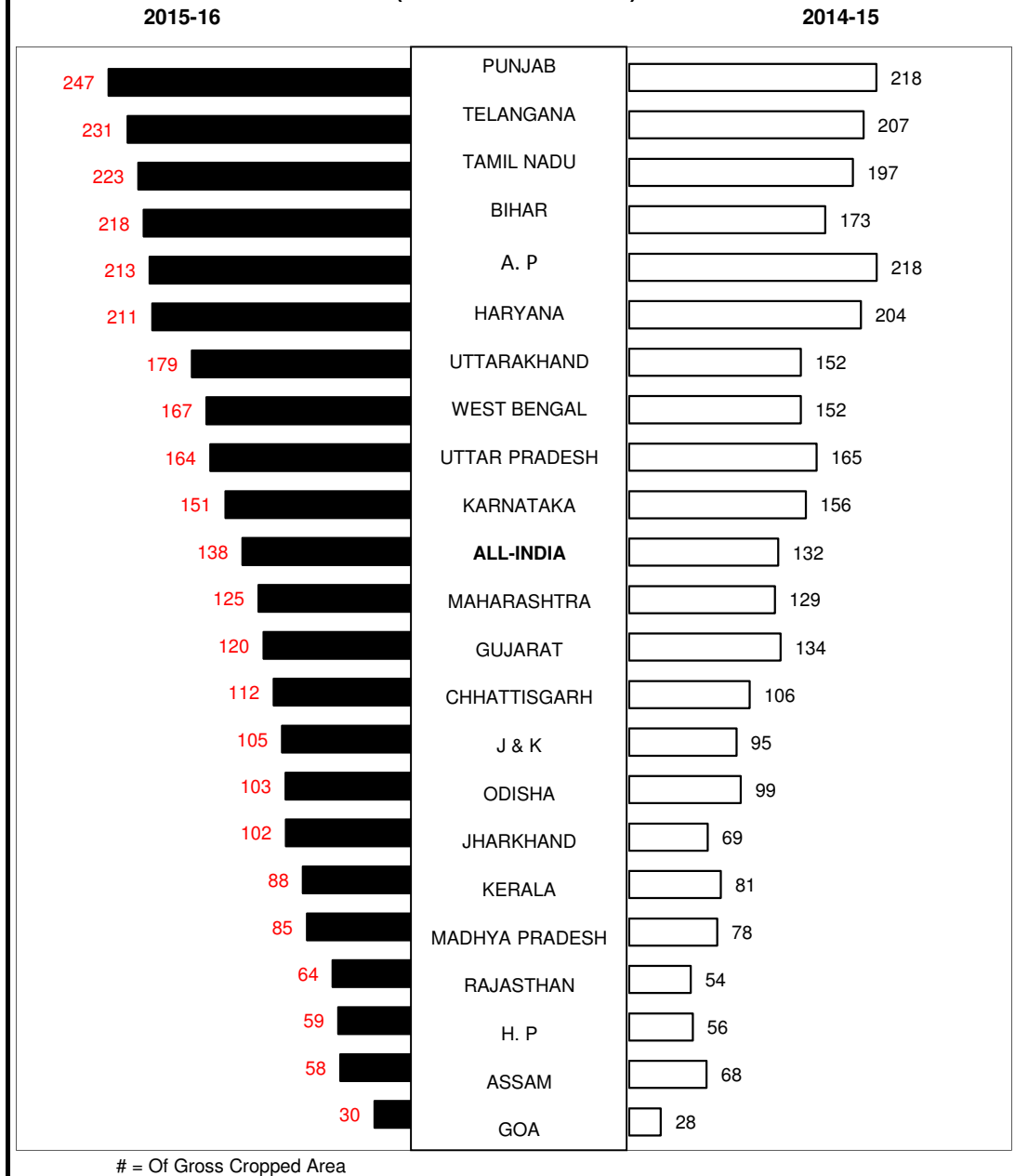
Note : Consumption of plant nutrients per hectare have been worked out on the basis of gross cropped area available for the year 2012-13.

**Fig. 9: FERTILISER CONSUMPTION (N+P+K)  
PER UNIT OF GROSS CROPPED AREA  
(Kg/ha) – 2015-16**



*Map not to scale*

**Fig. 10: CONSUMPTION OF PLANT NUTRIENTS IN  
MAJOR STATES (kg./ha)# (N+P<sub>2</sub>O<sub>5</sub>+K<sub>2</sub>O)  
(2015-16 and 2014-15)**



6.09 SHARE OF GROSS CROPPED AREA AND FERTILISER CONSUMPTION TO ALL INDIA - STATE-WISE 2015-16 (Provisional)					
Zone / States	Share of states to All India gross cropped area (%)	Share of selected states to All India consumption (N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O) (%)	Gross area sown \$ ('000 hectares)	N+P+K consumption per hectare of gross cropped area (kg)	Col. 3 vs. Col. 2#
(1)	(2)	(3)	(4)	(5)	(6)
<b>EAST</b>	<b>15.7</b>	<b>16.0</b>	<b>30,428</b>	<b>140.9</b>	<b>Higher</b>
Assam	2.2	0.9	4,197	57.8	Lower
Bihar	4.0	6.3	7,777	218.2	Higher
Jharkhand	0.9	0.6	1,657	102.1	Lower
Odisha	2.6	1.9	5,069	102.5	Lower
West Bengal	5.0	6.0	9,678	166.9	Higher
<b>NORTH</b>	<b>22.3</b>	<b>29.6</b>	<b>43,350</b>	<b>182.4</b>	<b>Higher</b>
Haryana	3.3	5.0	6,375	211.4	Higher
Himachal Pradesh	0.5	0.2	947	59.4	Lower
Jammu & Kashmir	0.6	0.5	1,162	105.2	Lower
Punjab	4.0	7.3	7,870	247.0	Higher
Uttar Pradesh	13.3	15.8	25,821	163.8	Higher
Uttarakhand	0.6	0.8	1,124	179.0	Higher
<b>SOUTH</b>	<b>17.1</b>	<b>23.1</b>	<b>33,183</b>	<b>186.2</b>	<b>Higher</b>
Andhra Pradesh	4.1	6.3	7,960	213.3	Higher
Telangana	2.9	4.9	5,690	231.3	Higher
Karnataka	6.0	6.7	11,748	151.5	Higher
Kerala	1.3	0.9	2,592	88.2	Lower
Tamil Nadu	2.6	4.3	5,140	222.6	Higher
<b>WEST</b>	<b>45.0</b>	<b>31.3</b>	<b>87,438</b>	<b>95.9</b>	<b>Lower</b>
Gujarat	6.5	5.7	12,600	120.4	Lower
Madhya Pradesh	11.9	7.4	23,130	85.0	Lower
Chhattisgarh	2.9	2.4	5,691	112.0	Lower
Maharashtra	11.3	10.2	21,874	124.6	Lower
Rajasthan	12.3	5.7	23,954	63.9	Lower
<b>All India</b>	<b>100.0</b>	<b>100.0</b>	<b>1,94,399</b>	<b>137.6</b>	
\$ = For 2012-13. # = In a state where total nutrients (N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O) consumption share is higher than or equal to gross cropped area share, consumption of plant nutrients (N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O) in that state (Kg/ha) is above All-India average of 137.6 kg/ha and vice versa.					



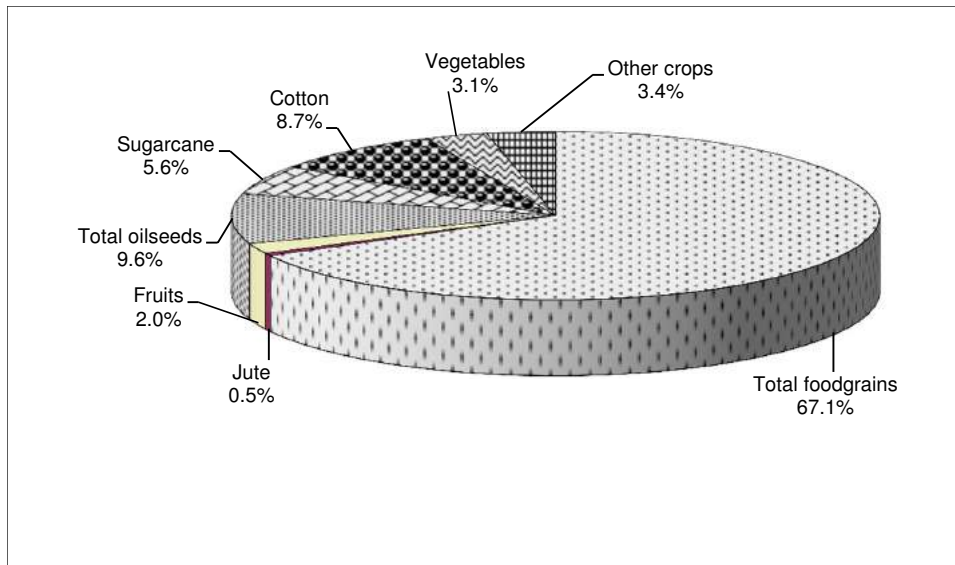


6.11 PATTERN OF FERTILISER CONSUMPTION BY SIZE OF FARMS - 2011-12						
Item	Size of farm (hectare)					
	Below 1	1 - 1.99	2 - 3.99	4 - 9.99	10 and above	All households
1. Distribution of cultivator households (per cent)	67.11	17.92	10.04	4.24	0.69	100.00
	= 85.03					
2. Area cultivated (per cent)						
- Net	24.15	22.69	23.86	20.75	8.55	100.00
- Gross	24.84	22.47	23.56	20.69	8.44	100.00
3. Proportion of fertilised area to gross cropped area (per cent)	77.70	78.38	77.72	74.06	63.17	75.88
4. Proportion of fertiliser consumption by size of farm to total consumption (N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O) (per cent)	35.86	22.46	20.48	15.73	5.47	100.00
	= 58.32					
5. Fertiliser consumption per hectare of fertilised area (N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O) (Kg.)	242.80	166.70	146.20	134.21	134.14	172.27
6. Fertiliser consumption per hectare of gross cropped area (N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O) (Kg.)	188.65	130.64	113.63	99.40	84.74	130.71
Source : Adapted from <i>All India Report of Input Survey - 2011.12</i> , Deptt. of Agriculture & Cooperation, Ministry of Agriculture & Farmers Welfare, Govt. of India.						

6.12 USAGE OF FERTILISERS BY VARIOUS CROPS - 2011-12										
Crop	Gross cropped area ('000 hectares)	% area treated with fertilisers	Consumption per hectare of							
			Gross cropped area (Kg.)				Area treated with fertilisers (Kg.)			
			N	P	K	Total	N	P	K	Total
Paddy	48,668	85.7	90.7	40.0	18.7	149.3	105.8	46.7	21.8	174.3
Wheat	29,636	88.4	119.2	49.7	9.1	178.0	134.9	56.2	10.3	201.4
Jowar	6,255	67.2	53.2	26.4	7.9	87.5	79.2	39.3	11.8	130.2
Bajra	7,996	52.8	32.2	13.0	4.0	49.3	61.1	24.7	7.6	93.4
Maize	10,704	67.4	68.7	31.4	12.2	112.2	101.9	46.5	18.1	166.4
Gram	6,333	56.1	55.1	20.9	5.9	81.8	98.0	37.3	10.4	145.8
Moong	1,078	48.7	29.8	22.6	10.0	62.4	61.3	46.3	20.5	128.1
Masur	324	68.4	125.2	34.3	23.1	182.6	183.1	50.2	33.8	267.1
<b>Total Pulses</b>	<b>18,803</b>	<b>56.6</b>	<b>52.9</b>	<b>23.3</b>	<b>5.7</b>	<b>81.8</b>	<b>93.3</b>	<b>41.1</b>	<b>10.1</b>	<b>144.5</b>
<b>Total Foodgrains</b>	<b>1,27,101</b>	<b>76.3</b>	<b>82.6</b>	<b>36.1</b>	<b>12.1</b>	<b>130.9</b>	<b>108.2</b>	<b>47.4</b>	<b>15.9</b>	<b>171.5</b>
Soyabean	8,512	79.5	28.1	36.7	5.1	69.9	35.3	46.1	6.4	87.9
R & Mustard	3,802	84.9	56.2	28.8	7.2	92.1	66.1	33.9	8.4	108.5
Coconut	5,024	84.4	98.8	3.9	5.3	108.0	117.0	4.7	6.3	128.0
Sunflower	225	85.7	47.0	32.9	12.4	92.2	54.8	38.4	14.4	107.6
Groundnut	3,320	81.9	47.5	39.2	15.3	102.1	58.0	47.9	18.7	124.6
<b>Total Oilseeds</b>	<b>25,660</b>	<b>79.0</b>	<b>53.6</b>	<b>31.1</b>	<b>8.0</b>	<b>92.6</b>	<b>67.8</b>	<b>39.3</b>	<b>10.1</b>	<b>117.2</b>
Sugarcane	4,365	96.5	174.7	94.2	50.7	319.5	181.0	97.6	52.5	331.1
Cotton	14,025	85.2	100.1	38.1	15.2	153.4	117.5	44.7	17.9	180.1
Jute	741	90.3	94.2	49.5	27.4	171.1	104.3	54.8	30.3	189.4
<b>Total Fruits</b>	<b>2,830</b>	<b>59.8</b>	<b>81.6</b>	<b>54.5</b>	<b>41.8</b>	<b>177.9</b>	<b>136.4</b>	<b>91.2</b>	<b>69.9</b>	<b>297.4</b>
Potato	923	89.4	128.2	83.1	63.8	275.1	143.4	92.9	71.4	307.8
Onion	564	51.7	52.0	46.4	21.0	119.4	100.6	89.7	40.6	231.0
Cabbage	30	80.8	69.4	36.6	16.7	122.7	85.9	45.3	20.7	151.9
<b>Total Vegetables</b>	<b>3,905</b>	<b>70.6</b>	<b>95.6</b>	<b>64.5</b>	<b>37.6</b>	<b>197.7</b>	<b>135.4</b>	<b>91.4</b>	<b>53.3</b>	<b>280.2</b>
Chillies	358	87.8	156.2	97.8	59.5	313.4	177.8	111.3	67.7	356.7
<b>Total Spices &amp; Condiments</b>	<b>1,959</b>	<b>67.7</b>	<b>72.5</b>	<b>47.5</b>	<b>24.1</b>	<b>144.1</b>	<b>107.0</b>	<b>70.1</b>	<b>35.5</b>	<b>212.7</b>
Tea	109	67.9	70.3	21.0	27.8	119.2	103.5	31.0	40.9	175.4
Coffee	329	80.0	111.8	72.5	65.6	249.9	139.7	90.6	82.0	312.2
Rubber	520	63.6	34.9	32.7	23.6	91.1	54.8	51.4	37.0	143.2
Total Plantation crops	1,309	63.4	61.7	40.6	35.8	138.1	97.4	64.0	56.5	217.9
Total Floriculture crops	70	71.9	95.9	61.1	59.0	216.0	133.4	85.1	82.1	300.5
<b>All Crops</b>	<b>1,89,754</b>	<b>75.9</b>	<b>79.8</b>	<b>37.2</b>	<b>13.7</b>	<b>130.7</b>	<b>105.2</b>	<b>49.0</b>	<b>18.1</b>	<b>172.3</b>

Source : Adapted from *All India Report on Input Survey - 2011-12*, Deptt. of Agriculture & Cooperation (Agricultural Census Division) Ministry of Agriculture & Farmers Welfare, Govt. of India.

**Fig. 11: SHARE OF USAGE OF FERTILISER NUTRIENTS (N+P+K)  
BY VARIOUS CROPS - 2011-12**



6.13 USAGE OF FERTILISERS BY ALL CROPS IN MAJOR STATES - 2011-12										
States	Gross cropped area ('000 hectares)	% area treated with ferts.	Consumption per hectare of							
			Gross cropped area (Kg.)				Area treated with fertilisers (Kg.)			
			N	P	K	Total	N	P	K	Total
<b>Andhra Pradesh*</b>										
I	6,965	98.6	128.5	63.0	46.8	238.3	130.3	63.9	47.5	241.7
UI	7,245	81.0	70.2	40.1	16.6	126.8	86.6	49.5	20.5	156.6
T	14,209	89.6	98.7	51.3	31.4	181.5	110.2	57.3	35.0	202.5
<b>Assam</b>										
I	138	73.7	109.2	40.8	52.6	202.6	148.1	55.4	71.4	274.9
UI	2,877	51.3	24.5	13.7	13.1	51.3	47.8	26.7	25.6	100.1
T	3,015	52.3	28.4	14.9	14.9	58.2	54.2	28.5	28.6	111.4
<b>Bihar</b>										
I	4,466	88.5	96.9	33.5	13.7	144.1	109.4	37.8	15.5	162.7
UI	2,705	87.3	76.5	48.7	18.8	144.0	87.7	55.8	21.5	165.1
T	7,170	88.1	89.2	39.2	15.6	144.1	101.3	44.6	17.7	163.6
<b>Chhattisgarh</b>										
I	1,577	91.1	82.2	46.2	14.4	142.8	90.2	50.7	15.8	156.7
UI	4,147	62.6	48.5	21.6	8.0	78.1	77.4	34.5	12.8	124.7
T	5,724	70.5	57.8	28.4	9.8	95.9	82.0	40.3	13.9	136.1
<b>Goa</b>										
I	35	39.9	31.4	23.8	26.7	81.9	78.7	59.7	67.1	205.4
UI	51	44.8	32.8	19.9	18.8	71.6	73.2	44.5	42.1	159.9
T	86	42.8	32.2	21.5	22.0	75.7	75.3	50.2	51.5	176.9
<b>Gujarat</b>										
I	4,268	90.2	147.4	62.2	30.2	239.9	163.5	69.0	33.5	266.1
UI	6,242	65.8	88.8	24.4	0.5	113.7	135.1	37.1	0.8	172.9
T	10,510	75.7	112.6	39.7	12.6	165.0	148.9	52.5	16.6	218.0
<b>Haryana</b>										
I	6,094	98.3	150.0	51.9	4.7	206.6	152.7	52.9	4.8	210.3
UI	399	78.7	55.1	3.8	0.003	59.0	70.1	4.9	0.004	74.9
T	6,493	97.1	144.2	49.0	4.4	197.5	148.5	50.5	4.5	203.5
<b>Himachal Pradesh</b>										
I	183	69.0	27.5	4.3	2.2	34.0	39.8	6.2	3.2	49.2
UI	778	76.5	36.8	11.2	11.2	59.2	48.1	14.6	14.6	77.3
T	961	75.1	35.0	9.9	9.5	54.3	46.7	13.1	12.6	72.4
<b>Jammu &amp; Kashmir</b>										
I	482	94.2	68.6	33.0	12.7	114.3	72.8	35.0	13.5	121.3
UI	650	85.8	51.4	19.7	6.7	77.9	59.9	23.0	7.8	90.8
T	1,131	89.4	58.7	25.4	9.3	93.4	65.7	28.4	10.4	104.4

\* = Includes Telangana.

(Continued)

6.13 USAGE OF FERTILISERS BY ALL CROPS IN MAJOR STATES - 2011-12 (Continued)										
States	Gross cropped area ('000 hectares)	% area treated with ferts.	Consumption per hectare of							
			Gross cropped area (Kg.)				Area treated with fertilisers (Kg.)			
			N	P	K	Total	N	P	K	Total
<b>Jharkhand</b>										
I	119	67.1	104.0	52.4	15.3	171.6	154.9	78.1	22.7	255.7
UI	1056	53.9	39.2	21.8	9.0	69.9	72.7	40.4	16.6	129.7
T	1175	55.2	45.7	24.9	9.6	80.2	82.8	45.0	17.4	145.2
<b>Karnataka</b>										
I	3915	87.0	101.5	64.2	32.5	198.1	116.7	73.8	37.4	227.8
UI	8500	81.6	58.2	42.9	13.5	114.5	71.3	52.5	16.5	140.3
T	12415	83.3	71.8	49.6	19.5	140.9	86.2	59.5	23.4	169.1
<b>Kerala</b>										
I	327	63.9	68.0	37.8	29.0	134.8	106.4	59.1	45.3	210.8
UI	1054	39.5	24.2	20.1	13.7	57.9	61.3	50.9	34.7	146.8
T	1381	45.3	34.6	24.3	17.3	76.1	76.4	53.6	38.2	168.2
<b>Madhya Pradesh</b>										
I	7492	86.2	72.5	40.0	8.7	121.2	84.1	46.4	10.1	140.5
UI	14297	70.6	36.3	26.5	7.1	69.9	51.4	37.6	10.1	99.0
T	21788	76.0	48.8	31.1	7.6	87.5	64.2	41.0	10.1	115.2
<b>Maharashtra</b>										
I	4678	70.1	108.5	87.4	47.5	243.4	154.9	124.7	67.9	347.5
UI	18326	77.1	60.0	30.5	10.6	101.1	77.8	39.6	13.7	131.1
T	23005	75.7	69.9	42.1	18.1	130.1	92.3	55.6	23.9	171.8
<b>Odisha</b>										
I	1482	86.8	53.5	31.6	15.7	100.8	61.6	36.4	18.1	116.1
UI	3891	67.7	36.4	20.3	8.6	65.3	53.8	29.9	12.6	96.4
T	5373	73.0	41.1	23.4	10.5	75.1	56.3	32.1	14.4	102.8
<b>Punjab</b>										
I	7740	99.2	182.1	57.8	6.8	246.7	183.5	58.3	6.9	248.6
UI	34	1.9	1.4	0.3	-	1.7	74.2	15.7	-	89.9
T	7774	98.8	181.3	57.6	6.8	245.6	183.5	58.3	6.9	248.6
<b>Rajasthan</b>										
I	8775	87.0	52.9	27.5	2.5	82.9	60.8	31.7	2.8	95.3
UI	15753	36.2	12.3	5.9	0.2	18.4	34.0	16.3	0.7	50.9
T	24528	54.4	26.8	13.6	1.0	41.5	49.3	25.1	1.9	76.3
<b>Tamil Nadu</b>										
I	3315	90.7	164.9	79.9	68.8	313.6	181.8	88.1	75.9	345.7
UI	2270	40.6	31.3	15.9	11.8	59.0	77.1	39.1	29.1	145.3
T	5585	70.3	110.6	53.9	45.6	210.1	157.2	76.6	64.9	298.7

(Continued)

6.13 USAGE OF FERTILISERS BY ALL CROPS IN MAJOR STATES - 2011-12 (Concluded)										
States	Gross cropped area ('000 hectares)	% area treated with ferts.	Consumption per hectare of							
			Gross cropped area (Kg.)				Area treated with fertilisers (Kg.)			
			N	P	K	Total	N	P	K	Total
<b>Uttarakhand</b>										
I	557	93.3	135.1	59.2	25.9	220.2	144.8	63.5	27.7	236.0
UI	594	24.5	19.1	11.3	10.0	40.4	78.1	46.1	40.6	164.8
T	1,151	57.8	75.3	34.5	17.7	127.5	130.2	59.7	30.6	220.4
<b>Uttar Pradesh</b>										
I	19,643	88.5	127.5	47.8	6.1	181.4	144.1	54.0	6.9	205.1
UI	5,996	33.6	80.9	6.3	7.9	95.1	240.6	18.8	23.4	282.8
T	25,639	75.7	116.6	38.1	6.5	161.2	154.2	50.4	8.6	213.1
<b>West Bengal</b>										
I	5,369	93.9	103.4	63.8	44.3	211.5	110.1	68.0	47.2	225.2
UI	3,526	86.8	68.0	43.5	22.5	134.0	78.4	50.1	25.9	154.4
T	8,894	91.1	89.4	55.8	35.7	180.8	98.1	61.2	39.1	198.5
<b>ALL INDIA</b>										
I	87,997	89.8	115.7	51.9	19.4	187.0	128.9	57.8	21.6	208.4
UI	1,01,757	63.9	48.8	24.4	8.8	82.0	76.4	38.3	13.7	128.4
T	1,89,754	75.9	79.8	37.2	13.7	130.7	105.2	49.0	18.1	172.3
I = Irrigated, UI = Unirrigated and T = Total of I & UI. Totals may not tally due to rounding off. Source : Adapted from <i>All India Report on Input Survey - 2011-12</i> , Deptt. of Agriculture & Cooperation (Agricultural Census Division) Ministry of Agriculture & Farmers Welfare, Govt. of India.										

6.14 USAGE OF FERTILISERS BY MAJOR SIZE GROUPS FOR ALL CROPS - 2011-12											
Category of size groups	All Crops										
	Gross cropped area ('000 hectares)	% area treated with fertilisers	Consumption per hectare of								
			Gross cropped area (Kg.)				Area treated with fertilisers (Kg.)				
			N	P	K	Total	N	P	K	Total	
Marginal (Below 1.00)	I	24,008	89.2	155.5	65.1	27.5	248.1	174.4	73.0	30.9	278.2
	UI	23,134	65.8	78.9	33.4	14.6	127.0	119.9	50.8	22.3	193.0
	T	47,142	77.7	117.9	49.5	21.2	188.7	151.8	63.8	27.3	242.8
Small (1.0 - 1.99)	I	18,975	89.4	105.7	52.3	23.3	181.3	118.3	58.5	26.0	202.8
	UI	23,655	69.5	53.1	27.3	9.7	90.0	76.3	39.2	14.0	129.5
	T	42,630	78.4	76.5	38.4	15.7	130.6	97.6	49.0	20.1	166.7
Semi-Medium (2.0 - 3.99)	I	19,925	89.9	99.4	47.4	17.1	163.9	110.6	52.8	19.0	182.3
	UI	24,780	67.9	42.3	23.5	7.4	73.2	62.3	34.6	10.9	107.8
	T	44,706	77.7	67.8	34.2	11.7	113.6	87.2	44.0	15.1	146.2
Medium (4.0 - 9.99)	I	18,090	90.3	95.9	43.4	11.7	150.9	106.2	48.0	13.0	167.2
	UI	21,169	60.2	31.8	18.5	5.2	55.4	52.7	30.6	8.6	92.0
	T	39,258	74.1	61.3	29.9	8.2	99.4	82.8	40.4	11.0	134.2
Large (10.0 and above)	I	6,999	91.0	104.3	40.3	7.7	152.3	114.6	44.3	8.5	167.3
	UI	9,019	41.5	18.3	10.5	3.5	32.3	44.0	25.3	8.4	77.7
	T	16,018	63.2	55.9	23.5	5.3	84.7	88.4	37.3	8.4	134.1
<b>All Groups</b>	I	<b>87,997</b>	<b>89.8</b>	<b>115.7</b>	<b>51.9</b>	<b>19.4</b>	<b>187.0</b>	<b>128.9</b>	<b>57.8</b>	<b>21.6</b>	<b>208.4</b>
	UI	<b>1,01,757</b>	<b>63.9</b>	<b>48.8</b>	<b>24.4</b>	<b>8.8</b>	<b>82.0</b>	<b>76.4</b>	<b>38.3</b>	<b>13.7</b>	<b>128.4</b>
	T	<b>1,89,754</b>	<b>75.9</b>	<b>79.8</b>	<b>37.2</b>	<b>13.7</b>	<b>130.7</b>	<b>105.2</b>	<b>49.0</b>	<b>18.1</b>	<b>172.3</b>
Note : I = Irrigated UI = Unirrigated T = Total Neg. = Negligible (Less than 500 ha./0.5 M.T.). Total may not tally due to rounding off.											
6.15 USAGE OF FERTILISERS BY MAJOR SIZE GROUPS FOR SELECTED CROPS - 2011-12											
Category of size groups	Paddy										
	Gross cropped area ('000 hectares)	% area treated with fertilisers	Consumption per hectare of								
			Gross cropped area (Kg.)				Area treated with fertilisers (Kg.)				
			N	P	K	Total	N	P	K	Total	
Marginal (Below 1.00)		17,816	86.2	102.1	47.9	23.2	173.2	118.5	55.5	26.9	201.0
Small (1.0 - 1.99)		11,549	86.1	78.6	38.3	20.0	137.0	91.3	44.5	23.3	159.0
Semi-Medium (2.0 - 3.99)		10,082	85.3	80.3	35.3	15.9	131.5	94.1	41.4	18.6	154.2
Medium (4.0 - 9.99)		7,019	85.4	91.5	32.3	11.9	135.7	107.2	37.8	13.9	159.0
Large (10.0 and above)		2,202	82.2	106.2	30.9	8.8	146.0	129.2	37.6	10.7	177.5
<b>All Groups</b>		<b>48,668</b>	<b>85.7</b>	<b>90.7</b>	<b>40.0</b>	<b>18.7</b>	<b>149.3</b>	<b>105.8</b>	<b>46.7</b>	<b>21.8</b>	<b>174.3</b>

(Continued)

6.15 USAGE OF FERTILISERS BY MAJOR SIZE GROUPS FOR SELECTED CROPS - 2011-12 (Continued)										
Category of size groups	Wheat									
	Gross cropped area ('000 hectares)	% area treated with fertilisers	Consumption per hectare of							
			Gross cropped area (Kg.)				Area treated with fertilisers (Kg.)			
			N	P	K	Total	N	P	K	Total
Marginal (Below 1.00)	7,566	87.0	168.0	59.5	15.8	243.3	193.1	68.4	18.2	279.7
Small (1.0 - 1.99)	5,900	86.9	96.0	45.7	7.7	149.4	110.5	52.5	8.9	171.9
Semi-Medium (2.0 - 3.99)	6,906	88.6	94.3	44.3	7.1	145.7	106.5	50.0	8.0	164.5
Medium (4.0 - 9.99)	6,615	89.8	109.5	47.0	5.9	162.4	122.0	52.4	6.5	180.8
Large (10.0 and above)	2,648	91.5	120.8	51.2	5.8	177.8	132.0	56.0	6.3	194.3
<b>All Groups</b>	<b>29,636</b>	<b>88.4</b>	<b>119.2</b>	<b>49.7</b>	<b>9.1</b>	<b>178.0</b>	<b>134.9</b>	<b>56.2</b>	<b>10.3</b>	<b>201.4</b>
Jowar										
Category of size groups	Jowar									
	Gross cropped area ('000 hectares)	% area treated with fertilisers	Consumption per hectare of							
			Gross cropped area (Kg.)				Area treated with fertilisers (Kg.)			
			N	P	K	Total	N	P	K	Total
Marginal (Below 1.00)	1,162	66.6	84.9	30.2	11.5	126.7	127.5	45.4	17.3	190.1
Small (1.0 - 1.99)	1,735	66.6	54.8	30.1	9.9	94.8	82.3	45.1	14.9	142.4
Semi-Medium (2.0 - 3.99)	1,769	66.3	42.8	24.3	6.3	73.4	64.5	36.7	9.5	110.7
Medium (4.0 - 9.99)	1,261	68.3	39.3	21.9	4.9	66.1	57.5	32.1	7.2	96.8
Large (10.0 and above)	328	73.6	42.7	21.8	4.5	69.0	58.0	29.7	6.1	93.7
<b>All Groups</b>	<b>6,255</b>	<b>67.2</b>	<b>53.2</b>	<b>26.4</b>	<b>7.9</b>	<b>87.5</b>	<b>79.2</b>	<b>39.3</b>	<b>11.8</b>	<b>130.2</b>
(Continued)										



6.15 USAGE OF FERTILISERS BY MAJOR SIZE GROUPS FOR SELECTED CROPS - 2011-12 (Continued)										
Category of size groups	Bajra									
	Gross cropped area ('000 hectares)	% area treated with fertilisers	Consumption per hectare of							
			Gross cropped area (Kg.)				Area treated with fertilisers (Kg.)			
			N	P	K	Total	N	P	K	Total
Marginal (Below 1.00)	1,215	68.2	70.8	30.8	9.7	111.3	103.9	45.2	14.2	163.3
Small (1.0 - 1.99)	1,258	73.6	46.1	19.2	5.1	70.4	62.6	26.1	6.9	95.6
Semi-Medium (2.0 - 3.99)	1,676	65.0	34.2	14.8	4.2	53.2	52.7	22.7	6.5	81.9
Medium (4.0 - 9.99)	2,141	45.1	19.1	6.6	2.7	28.4	42.3	14.6	6.0	62.9
Large (10.0 and above)	1,706	24.2	9.1	2.3	0.7	12.1	37.6	9.5	2.9	49.9
<b>All Groups</b>	<b>7,996</b>	<b>52.8</b>	<b>32.2</b>	<b>13.0</b>	<b>4.0</b>	<b>49.3</b>	<b>61.1</b>	<b>24.7</b>	<b>7.6</b>	<b>93.4</b>
Maize										
Category of size groups	Maize									
	Gross cropped area ('000 hectares)	% area treated with fertilisers	Consumption per hectare of							
			Gross cropped area (Kg.)				Area treated with fertilisers (Kg.)			
			N	P	K	Total	N	P	K	Total
Marginal (Below 1.00)	3,329	64.8	85.7	34.6	17.6	137.9	132.1	53.4	27.2	212.7
Small (1.0 - 1.99)	2,639	69.1	65.9	32.2	11.8	109.8	95.3	46.5	17.0	158.8
Semi-Medium (2.0 - 3.99)	2,510	69.2	60.2	30.9	10.0	101.0	87.0	44.6	14.4	146.0
Medium (4.0 - 9.99)	1,768	67.5	57.7	27.2	7.2	92.1	85.4	40.3	10.7	136.4
Large (10.0 and above)	458	66.6	50.8	21.7	6.4	78.9	76.3	32.5	9.7	118.5
<b>All Groups</b>	<b>10,704</b>	<b>67.4</b>	<b>68.7</b>	<b>31.4</b>	<b>12.2</b>	<b>112.2</b>	<b>101.9</b>	<b>46.5</b>	<b>18.1</b>	<b>166.4</b>
(Continued)										

6.15 USAGE OF FERTILISERS BY MAJOR SIZE GROUPS FOR SELECTED CROPS - 2011-12 (Continued)										
Category of size groups	Gram									
	Gross cropped area ('000 hectares)	% area treated with fertilisers	Consumption per hectare of							
			Gross cropped area (Kg.)				Area treated with fertilisers (Kg.)			
			N	P	K	Total	N	P	K	Total
Marginal (Below 1.00)	886	57.4	194.2	26.8	5.9	226.8	338.3	46.6	10.3	395.2
Small (1.0 - 1.99)	1,329	53.8	40.5	21.6	6.0	68.1	75.4	40.1	11.2	126.8
Semi-Medium (2.0 - 3.99)	1,650	56.9	33.7	21.6	5.6	60.9	59.2	37.9	9.8	106.9
Medium (4.0 - 9.99)	1,769	57.9	29.8	19.7	6.5	56.0	51.4	33.9	11.3	96.7
Large (10.0 and above)	700	52.8	20.7	13.9	4.5	39.1	39.2	26.3	8.6	74.1
<b>All Groups</b>	<b>6,333</b>	<b>56.1</b>	<b>55.1</b>	<b>20.9</b>	<b>5.9</b>	<b>81.8</b>	<b>98.0</b>	<b>37.3</b>	<b>10.4</b>	<b>145.8</b>
Soyabean										
Category of size groups	Soyabean									
	Gross cropped area ('000 hectares)	% area treated with fertilisers	Consumption per hectare of							
			Gross cropped area (Kg.)				Area treated with fertilisers (Kg.)			
			N	P	K	Total	N	P	K	Total
Marginal (Below 1.00)	1,047	79.0	45.2	50.6	8.2	103.9	57.2	64.0	10.3	131.5
Small (1.0 - 1.99)	2,181	79.1	33.0	38.6	5.3	76.8	41.7	48.8	6.7	97.1
Semi-Medium (2.0 - 3.99)	2,516	80.4	25.9	35.3	4.7	65.9	32.2	43.9	5.8	82.0
Medium (4.0 - 9.99)	2,237	79.9	20.8	32.3	4.2	57.3	26.1	40.4	5.2	71.6
Large (10.0 and above)	532	76.2	15.6	26.6	4.17	46.4	20.5	34.9	5.5	60.9
<b>All Groups</b>	<b>8,512</b>	<b>79.5</b>	<b>28.1</b>	<b>36.7</b>	<b>5.1</b>	<b>69.9</b>	<b>35.3</b>	<b>46.1</b>	<b>6.4</b>	<b>87.9</b>
(Continued)										

6.15 USAGE OF FERTILISERS BY MAJOR SIZE GROUPS FOR SELECTED CROPS - 2011-12 (Continued)										
Category of size groups	Sugarcane									
	Gross cropped area ('000 hectares)	% area treated with fertilisers	Consumption per hectare of							
			Gross cropped area (Kg.)				Area treated with fertilisers (Kg.)			
			N	P	K	Total	N	P	K	Total
Marginal (Below 1.00)	1,047	97.4	261.0	129.4	62.7	453.1	268.0	132.8	64.4	465.2
Small (1.0 - 1.99)	1,223	96.1	161.3	91.7	51.5	304.5	167.8	95.4	53.6	316.8
Semi-Medium (2.0 - 3.99)	1,210	96.5	139.0	79.3	45.6	263.8	144.0	82.2	47.2	273.4
Medium (4.0 - 9.99)	730	96.0	141.3	78.9	44.2	264.4	147.2	82.2	46.1	275.4
Large (10.0 and above)	155	96.2	133.2	64.9	32.5	230.5	138.5	67.5	33.8	239.7
<b>All Groups</b>	<b>4,365</b>	<b>96.5</b>	<b>174.7</b>	<b>94.2</b>	<b>50.7</b>	<b>319.5</b>	<b>181.0</b>	<b>97.6</b>	<b>52.5</b>	<b>331.1</b>
Category of size groups	Groundnut									
	Gross cropped area ('000 hectares)	% area treated with fertilisers	Consumption per hectare of							
			Gross cropped area (Kg.)				Area treated with fertilisers (Kg.)			
			N	P	K	Total	N	P	K	Total
Marginal (Below 1.00)	639	77.2	55.8	41.9	16.3	114.0	72.2	54.2	21.2	147.6
Small (1.0 - 1.99)	851	84.4	48.4	42.7	20.8	112.0	57.4	50.7	24.7	132.7
Semi-Medium (2.0 - 3.99)	901	85.0	45.9	41.2	14.7	101.7	54.1	48.4	17.3	119.8
Medium (4.0 - 9.99)	676	79.4	44.0	35.5	12.2	91.7	55.4	44.7	15.4	115.5
Large (10.0 and above)	253	81.5	39.0	23.6	4.9	67.5	47.9	29.0	6.0	82.8
<b>All Groups</b>	<b>3,320</b>	<b>81.9</b>	<b>47.5</b>	<b>39.2</b>	<b>15.3</b>	<b>102.1</b>	<b>58.0</b>	<b>47.9</b>	<b>18.7</b>	<b>124.6</b>
(Continued)										

6.15 USAGE OF FERTILISERS BY MAJOR SIZE GROUPS FOR SELECTED CROPS - 2011-12 (Continued)										
Category of size groups	Total Oilseeds									
	Gross cropped area ('000 hectares)	% area treated with fertilisers	Consumption per hectare of							
			Gross cropped area (Kg.)				Area treated with fertilisers (Kg.)			
			N	P	K	Total	N	P	K	Total
Marginal (Below 1.00)	4,024	71.7	96.1	42.5	13.1	151.7	134.0	59.3	18.2	211.5
Small (1.0 - 1.99)	5,826	80.3	60.8	33.9	10.7	105.4	75.7	42.2	13.4	131.3
Semi-Medium (2.0 - 3.99)	6,985	81.3	46.4	30.0	7.0	83.4	57.0	36.9	8.6	102.5
Medium (4.0 - 9.99)	6,602	80.6	36.7	26.5	5.2	68.4	45.5	32.9	6.4	84.8
Large (10.0 and above)	2,224	76.7	30.1	20.1	2.7	52.9	39.2	26.2	3.5	68.9
<b>All Groups</b>	<b>25,660</b>	<b>79.0</b>	<b>53.6</b>	<b>31.1</b>	<b>8.0</b>	<b>92.6</b>	<b>67.8</b>	<b>39.3</b>	<b>10.1</b>	<b>117.2</b>
Category of size groups	Cotton									
	Gross cropped area ('000 hectares)	% area treated with fertilisers	Consumption per hectare of							
			Gross cropped area (Kg.)				Area treated with fertilisers (Kg.)			
			N	P	K	Total	N	P	K	Total
Marginal (Below 1.00)	2,036	90.6	176.3	56.4	28.7	261.4	194.5	62.2	31.7	288.4
Small (1.0 - 1.99)	3,557	87.2	108.5	43.1	18.7	170.3	124.3	49.4	21.4	195.2
Semi-Medium (2.0 - 3.99)	4,150	83.4	83.0	34.2	12.4	129.7	99.6	41.1	14.9	155.5
Medium (4.0 - 9.99)	3,410	81.2	70.7	28.8	8.8	108.4	87.1	35.5	10.9	133.4
Large (10.0 and above)	872	87.9	83.9	29.4	8.2	121.6	95.4	33.5	9.4	138.3
<b>All Groups</b>	<b>14,025</b>	<b>85.2</b>	<b>100.1</b>	<b>38.1</b>	<b>15.2</b>	<b>153.4</b>	<b>117.5</b>	<b>44.7</b>	<b>17.9</b>	<b>180.1</b>

(Continued)

<b>6.15 USAGE OF FERTILISERS BY MAJOR SIZE GROUPS FOR SELECTED CROPS - 2011-12 (Continued)</b>										
Category of size groups	Jute									
	Gross cropped area ('000 hectares)	% area treated with fertilisers	Consumption per hectare of							
			Gross cropped area (Kg.)				Area treated with fertilisers (Kg.)			
			N	P	K	Total	N	P	K	Total
Marginal (Below 1.00)	405	90.7	119.2	63.8	32.4	215.4	131.4	70.3	35.7	237.4
Small (1.0 - 1.99)	221	91.5	66.6	34.5	22.7	123.8	72.8	37.7	24.8	135.3
Semi-Medium (2.0 - 3.99)	99	87.9	60.7	29.3	20.3	110.3	69.0	33.3	23.1	125.5
Medium (4.0 - 9.99)	16	77.8	49.0	19.5	10.3	78.8	63.0	25.0	13.2	101.3
Large (10.0 and above)	1	94.8	49.4	16.1	2.1	67.6	52.0	17.0	2.3	71.3
<b>All Groups</b>	<b>741</b>	<b>90.3</b>	<b>94.2</b>	<b>49.5</b>	<b>27.4</b>	<b>171.1</b>	<b>104.3</b>	<b>54.8</b>	<b>30.3</b>	<b>189.4</b>
Category of size groups	Total Fruits									
	Gross cropped area ('000 hectares)	% area treated with fertilisers	Consumption per hectare of							
			Gross cropped area (Kg.)				Area treated with fertilisers (Kg.)			
			N	P	K	Total	N	P	K	Total
Marginal (Below 1.00)	774	56.7	117.7	80.7	48.9	247.3	207.5	142.2	86.3	435.9
Small (1.0 - 1.99)	726	59.9	82.8	56.2	46.2	185.3	138.3	93.8	77.1	309.2
Semi-Medium (2.0 - 3.99)	678	61.2	67.8	43.6	40.7	152.0	110.8	71.2	66.4	248.4
Medium (4.0 - 9.99)	504	62.2	56.9	36.7	32.6	126.2	91.5	59.1	52.5	203.1
Large (10.0 and above)	148	61.0	33.6	20.5	19.1	73.2	55.2	33.6	31.4	120.2
<b>All Groups</b>	<b>2,830</b>	<b>59.8</b>	<b>81.6</b>	<b>54.5</b>	<b>41.8</b>	<b>177.9</b>	<b>136.4</b>	<b>91.2</b>	<b>69.9</b>	<b>297.4</b>
(Continued)										

6.15 USAGE OF FERTILISERS BY MAJOR SIZE GROUPS FOR SELECTED CROPS - 2011-12 (Concluded)										
Category of size groups	Total Vegetables									
	Gross cropped area ('000 hectares)	% area treated with fertilisers	Consumption per hectare of							
			Gross cropped area (Kg.)				Area treated with fertilisers (Kg.)			
			N	P	K	Total	N	P	K	Total
Marginal (Below 1.00)	1,447	77.4	143.5	93.7	51.2	288.4	185.5	121.2	66.1	372.7
Small (1.0 - 1.99)	1,035	71.1	77.9	56.5	37.6	172.0	109.6	79.4	52.8	241.8
Semi-Medium (2.0 - 3.99)	755	66.2	63.3	46.0	25.2	134.4	95.5	69.4	38.0	202.9
Medium (4.0 - 9.99)	481	62.9	58.0	37.8	22.9	118.7	92.2	60.1	36.3	188.6
Large (10.0 and above)	187	51.9	49.4	26.4	21.5	97.3	95.3	50.9	41.4	187.6
<b>All Groups</b>	<b>3,905</b>	<b>70.6</b>	<b>95.6</b>	<b>64.5</b>	<b>37.6</b>	<b>197.7</b>	<b>135.4</b>	<b>91.4</b>	<b>53.3</b>	<b>280.2</b>
Source : Adapted from <i>All India Report on Input Survey - 2011-12</i> , Deptt. of Agriculture & Cooperation (Agricultural Census Division) Ministry of Agriculture & Farmers Welfare, Govt. of India.										

**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P<sub>2</sub>O<sub>5</sub> AND K<sub>2</sub>O  
2015-16 (April-March)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total
<b>I. East Zone</b>												
<b>Assam</b>												
1 . Baksa	2,160	469	550	3,179	2,663	486	586	3,735	4,823	956	1,136	6,914
2 . Barpeta	3,554	772	905	5,231	4,381	800	963	6,145	7,935	1,572	1,868	11,376
3 . Bongaigaon	3,297	716	840	4,852	4,064	742	894	5,700	7,361	1,459	1,733	10,553
4 . Cachar	3,221	700	820	4,741	3,971	725	873	5,569	7,192	1,425	1,693	10,310
5 . Cirangh	1,556	338	396	2,290	1,918	351	422	2,691	3,474	689	818	4,981
6 . Darrang	3,077	668	784	4,529	3,793	693	834	5,320	6,870	1,361	1,618	9,849
7 . Dhamaji	1,857	403	473	2,733	2,289	418	503	3,211	4,146	821	976	5,943
8 . Dhubri	4,358	947	1,110	6,414	5,372	981	1,181	7,535	9,730	1,928	2,291	13,949
9 . Dibrugarh	3,979	864	1,013	5,856	4,905	896	1,079	6,880	8,884	1,760	2,092	12,736
10 . Goalpara	3,016	655	768	4,440	3,719	679	818	5,216	6,735	1,335	1,586	9,655
11 . Golaghat	2,008	436	511	2,956	2,476	452	544	3,473	4,484	889	1,056	6,429
12 . Hailakandi	2,971	645	757	4,373	3,663	669	805	5,137	6,633	1,314	1,562	9,510
13 . Jorhat	2,915	633	742	4,291	3,594	657	790	5,041	6,510	1,290	1,533	9,332
14 . K. Anglang	1,560	339	397	2,296	1,923	351	423	2,697	3,482	690	820	4,993
15 . Kamrup	3,827	831	975	5,633	4,718	862	1,037	6,618	8,545	1,693	2,012	12,251
16 . Karimganj	2,918	634	743	4,295	3,597	657	791	5,045	6,515	1,291	1,534	9,340
17 . Kokrajhar	3,036	659	773	4,468	3,742	683	823	5,248	6,778	1,343	1,596	9,717
18 . Lakhimpur	3,145	683	801	4,629	3,878	708	853	5,438	7,022	1,391	1,654	10,067
19 . Morigaon	3,524	766	897	5,187	4,345	794	995	6,134	7,869	1,559	1,893	11,320
20 . N.C.Hills	1,781	387	454	2,621	2,196	401	483	3,080	3,977	788	936	5,701
21 . Nagaon	3,979	864	1,013	5,856	4,905	896	1,079	6,880	8,884	1,760	2,092	12,736
22 . Nalbari	3,675	799	936	5,410	4,531	828	996	6,355	8,207	1,626	1,932	11,766
23 . Sibsagar	1,781	387	454	2,621	2,196	401	483	3,080	3,977	788	936	5,701
24 . Sonitpur	3,524	766	897	5,187	4,345	794	955	6,093	7,869	1,559	1,853	11,280
25 . Tinsukia	3,374	733	859	4,967	4,160	760	915	5,835	7,535	1,493	1,774	10,802
26 . Udalguri	1,694	368	431	2,493	2,088	381	459	2,929	3,782	749	890	5,422
<b>Total</b>	<b>75,784</b>	<b>16,464</b>	<b>19,301</b>	<b>1,11,549</b>	<b>93,434</b>	<b>17,066</b>	<b>20,584</b>	<b>1,31,083</b>	<b>1,69,217</b>	<b>33,530</b>	<b>39,884</b>	<b>2,42,632</b>
<b>Bihar</b>												
1 . Araria	13,741	4,349	2,340	20,430	27,173	10,703	4,911	42,788	40,915	15,052	7,251	63,218
2 . Arwal	6,267	1,088	150	7,505	6,619	1,101	85	7,805	12,886	2,189	235	15,310
3 . Aurangabad	15,500	5,032	330	20,863	17,193	3,281	304	20,777	32,693	8,313	634	41,640
4 . Banka	9,950	2,795	776	13,520	10,964	3,246	1,825	16,034	20,913	6,041	2,601	29,554
5 . Begusarai	13,854	4,932	2,067	20,853	30,410	11,736	5,038	47,184	44,264	16,668	7,105	68,037
6 . Bhabua	12,674	3,450	190	16,314	14,375	3,132	496	18,004	27,049	6,583	687	34,318

(Continued)

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**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P<sub>2</sub>O<sub>5</sub> AND K<sub>2</sub>O  
2015-16 (April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total
<b>I. East Zone (Continued)</b>												
<b>Bihar (Concluded)</b>												
7 . Bhagalpur	14,275	3,991	1,168	19,435	23,137	6,835	1,966	31,938	37,412	10,826	3,134	51,373
8 . Bhojpur	19,252	4,193	242	23,687	21,840	3,982	447	26,269	41,092	8,175	689	49,956
9 . Buxar	12,360	2,665	137	15,162	18,019	3,307	252	21,578	30,379	5,972	389	36,740
10 . Darbhanga	11,822	2,757	785	15,364	21,175	6,916	1,832	29,923	32,998	9,672	2,617	45,287
11 . E.Champaran	24,471	5,809	1,938	32,218	38,592	10,251	2,763	51,606	63,063	16,060	4,701	83,824
12 . Gaya	19,904	6,192	820	26,916	17,006	3,985	536	21,527	36,910	10,177	1,356	48,443
13 . Gopalganj	7,244	773	125	8,142	9,318	1,374	211	10,903	16,562	2,146	336	19,045
14 . Jamui	10,794	3,227	426	14,446	14,018	4,486	262	18,767	24,812	7,713	688	33,213
15 . Jehanabad	8,181	1,099	125	9,405	8,072	1,131	77	9,279	16,253	2,230	202	18,685
16 . Katihar	13,889	3,361	1,460	18,710	30,193	11,633	5,889	47,715	44,082	14,994	7,349	66,425
17 . Khagaria	10,840	2,510	1,164	14,514	31,594	8,170	5,354	45,117	42,434	10,680	6,518	59,632
18 . Kisanganj	5,028	1,070	337	6,434	7,461	2,481	446	10,389	12,489	3,551	783	16,823
19 . Lakhisarai	3,246	1,271	163	4,680	4,272	907	89	5,268	7,518	2,179	252	9,948
20 . Madhepura	10,436	2,400	1,354	14,190	22,596	6,486	3,790	32,872	33,032	8,886	5,143	47,062
21 . Madhubani	9,471	2,584	651	12,707	17,858	5,690	1,363	24,911	27,329	8,274	2,014	37,618
22 . Mujaffarpur	19,976	4,167	1,076	25,220	26,432	8,165	2,628	37,226	46,408	12,333	3,705	62,445
23 . Munger	4,142	795	544	5,482	4,692	643	242	5,577	8,834	1,438	786	11,059
24 . Nalanda	22,943	7,658	1,200	31,801	29,088	7,262	1,230	37,580	52,031	14,921	2,430	69,381
25 . Nawadah	8,366	1,784	136	10,286	10,215	1,416	198	11,829	18,582	3,200	334	22,115
26 . Patna	21,777	4,600	620	26,997	29,885	6,278	815	36,979	51,662	10,879	1,435	63,976
27 . Purnea	21,917	7,800	2,793	32,510	43,192	18,423	8,806	70,420	65,109	26,223	11,599	1,02,930
28 . Rohtas	26,824	8,486	1,334	36,644	30,946	7,516	1,943	40,406	57,771	16,002	3,277	77,050
29 . Saharsa	7,498	1,521	905	9,923	15,340	4,524	2,723	22,586	22,838	6,045	3,628	32,510
30 . Samastipur	18,178	4,637	2,398	25,214	30,661	7,477	2,114	40,253	48,839	12,115	4,512	65,466
31 . Saran	12,591	2,543	637	15,771	21,647	7,002	956	29,604	34,238	9,545	1,592	45,375
32 . Sheikhpura	6,944	1,597	130	8,671	6,593	961	95	7,648	13,537	2,558	224	16,319
33 . Sheohar	2,417	336	107	2,860	3,412	688	167	4,267	5,829	1,024	275	7,127
34 . Sitamarhi	11,180	2,652	515	14,347	17,612	5,832	1,283	24,727	28,791	8,484	1,799	39,074
35 . Siwan	11,461	1,561	375	13,396	15,161	2,965	447	18,574	26,622	4,525	822	31,970
36 . Supaul	7,547	3,083	1,327	11,957	14,368	5,710	2,686	22,765	21,915	8,794	4,014	34,722
37 . Vaishali	16,976	3,815	2,734	23,525	29,349	8,597	3,104	41,050	46,325	12,412	5,838	64,575
38 . W.Champaran	25,918	5,516	1,864	33,297	29,458	8,507	3,344	41,309	55,376	14,023	5,208	74,607
<b>Total</b>	<b>4,99,854</b>	<b>1,28,100</b>	<b>35,443</b>	<b>6,63,398</b>	<b>7,49,935</b>	<b>2,12,800</b>	<b>70,717</b>	<b>10,33,452</b>	<b>12,49,789</b>	<b>3,40,900</b>	<b>1,06,161</b>	<b>16,96,850</b>

(Continued)



**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P<sub>2</sub>O<sub>5</sub> AND K<sub>2</sub>O  
2015-16 (April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total
<b>I. East Zone (Continued)</b>												
<b>Jharkhand</b>												
1 . Bokaro	1,080	347	251	1,678	373	94	3	470	1,453	441	254	2,148
2 . Chatra	2,266	809	104	3,179	1,619	271	11	1,901	3,885	1,080	115	5,080
3 . Deoghar	12,088	5,670	808	18,566	6,851	3,619	414	10,884	18,939	9,289	1,222	29,450
4 . Dhanbad	432	152	73	657	76	51	-	127	508	203	73	784
5 . Dumka	4,430	1,673	131	6,234	2,415	1,462	44	3,921	6,845	3,135	175	10,155
6 . Garhwa	3,437	863	84	4,384	2,312	117	-	2,429	5,749	980	84	6,813
7 . Giridih	2,361	664	208	3,233	1,292	310	33	1,635	3,653	974	241	4,868
8 . Godda	2,370	731	292	3,393	1,522	687	36	2,245	3,892	1,418	328	5,638
9 . Gumla	3,300	725	146	4,171	1,910	199	15	2,124	5,210	924	161	6,295
10 . Hazaribagh	6,696	2,493	432	9,621	4,831	1,095	37	5,963	11,527	3,588	469	15,584
11 . Jamtara	1,177	316	71	1,564	490	104	-	594	1,667	420	71	2,158
12 . Khunti	1,732	554	93	2,379	733	106	-	839	2,465	660	93	3,218
13 . Kodarma	2,512	980	261	3,753	1,244	321	-	1,565	3,756	1,301	261	5,318
14 . Latehar	2,967	769	46	3,782	1,283	133	18	1,434	4,250	902	64	5,216
15 . Lohardaga	6,327	2,656	230	9,213	2,938	880	30	3,848	9,265	3,536	260	13,061
16 . Pakur	1,189	278	33	1,500	343	106	-	449	1,532	384	33	1,949
17 . Palamu	4,679	993	127	5,799	3,665	232	6	3,903	8,344	1,225	133	9,702
18 . Ramgarh	777	379	35	1,191	307	55	-	362	1,084	434	35	1,553
19 . Ranchi	13,538	5,700	875	20,113	6,150	2,297	256	8,703	19,688	7,997	1,131	28,816
20 . Sahebganj	2,836	651	42	3,529	2,083	373	-	2,456	4,919	1,024	42	5,985
21 . Saraikela	434	116	74	624	46	-	-	46	480	116	74	670
22 . Simdega	608	192	12	812	235	83	-	318	843	275	12	1,130
23 . Singhbhum(E)	1,085	407	57	1,549	370	23	-	393	1,455	430	57	1,942
24 . Singhbhum(W)	1,134	149	24	1,307	298	120	-	418	1,432	269	24	1,725
<b>Total</b>	<b>79,455</b>	<b>28,267</b>	<b>4,509</b>	<b>1,12,231</b>	<b>43,386</b>	<b>12,738</b>	<b>903</b>	<b>57,027</b>	<b>1,22,841</b>	<b>41,005</b>	<b>5,412</b>	<b>1,69,258</b>
<b>Odisha</b>												
1 . Angul	3,105	1,488	528	5,121	1,173	1,399	690	3,262	4,278	2,887	1,218	8,383
2 . Balasore	15,671	6,206	3,813	25,690	5,899	3,591	2,198	11,688	21,570	9,797	6,011	37,378
3 . Bargarh	21,644	8,529	2,679	32,852	11,077	6,908	3,740	21,725	32,721	15,437	6,419	54,577
4 . Bhadrak	11,555	6,649	3,015	21,219	1,780	1,385	759	3,924	13,335	8,034	3,774	25,143
5 . Bolangir	10,748	2,860	1,726	15,334	1,880	1,830	854	4,564	12,628	4,690	2,580	19,898
6 . Boudh	4,031	1,479	340	5,850	351	102	117	569	4,382	1,581	457	6,419
7 . Cuttack	10,362	1,716	1,258	13,336	4,079	1,318	1,017	6,415	14,441	3,034	2,275	19,751
8 . Deogarh	2,671	1,343	336	4,350	300	149	50	498	2,971	1,492	386	4,848

(Continued)

**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P<sub>2</sub>O<sub>5</sub> AND K<sub>2</sub>O  
2015-16 (April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total
<b>I. East Zone (Continued)</b>												
<b>Odisha (Concluded)</b>												
9 . Dhenkanal	3,698	1,408	612	5,718	826	452	176	1,454	4,524	1,860	788	7,172
10 . Gajapati	2,683	931	327	3,941	984	727	17	1,728	3,667	1,658	344	5,669
11 . Ganjam	24,861	4,995	1,480	31,336	4,906	1,747	1,289	7,941	29,767	6,742	2,769	39,277
12 . Jagatsingpur	4,829	2,102	802	7,733	1,439	1,269	969	3,678	6,268	3,371	1,771	11,411
13 . Jajpur	7,690	3,025	1,679	12,394	1,550	1,513	904	3,967	9,240	4,538	2,583	16,361
14 . Jharsuguda	3,459	1,848	734	6,041	449	377	103	929	3,908	2,225	837	6,970
15 . Kalahandi	15,655	5,170	1,840	22,665	4,798	3,041	1,515	9,354	20,453	8,211	3,355	32,019
16 . Kandhamal	728	494	196	1,418	283	261	80	624	1,011	755	276	2,042
17 . Kendrapara	4,109	1,875	366	6,350	917	814	420	2,151	5,026	2,689	786	8,501
18 . Kendujhar	7,947	4,454	1,286	13,687	1,220	1,423	466	3,109	9,167	5,877	1,752	16,796
19 . Khordha	5,205	880	432	6,517	1,420	614	558	2,592	6,625	1,494	990	9,109
20 . Koraput	8,239	3,199	1,981	13,419	2,806	1,538	655	4,998	11,045	4,737	2,636	18,417
21 . Malkangiri	3,635	1,380	364	5,379	654	553	113	1,319	4,289	1,933	477	6,698
22 . Mayurbhanja	11,508	4,558	1,814	17,880	3,187	2,401	873	6,460	14,695	6,959	2,687	24,340
23 . Nabarangapur	19,997	5,002	2,232	27,231	6,198	2,299	473	8,971	26,195	7,301	2,705	36,202
24 . Nayagarh	3,323	622	244	4,189	633	415	542	1,590	3,956	1,037	786	5,779
25 . Nuapada	6,135	2,640	572	9,347	927	905	120	1,952	7,062	3,545	692	11,299
26 . Puri	5,942	1,716	979	8,637	3,847	2,271	1,692	7,810	9,789	3,987	2,671	16,447
27 . Raygada	7,561	2,951	761	11,273	856	285	103	1,243	8,417	3,236	864	12,516
28 . Sambalpur	14,314	5,413	2,363	22,090	5,156	1,866	949	7,971	19,470	7,279	3,312	30,061
29 . Subarnapur	5,106	2,261	683	8,050	1,878	1,012	427	3,317	6,984	3,273	1,110	11,367
30 . Sundargarh	8,297	3,708	1,364	13,369	1,014	294	170	1,478	9,311	4,002	1,534	14,847
<b>Total</b>	<b>2,54,708</b>	<b>90,902</b>	<b>36,806</b>	<b>3,82,416</b>	<b>72,484</b>	<b>42,760</b>	<b>22,038</b>	<b>1,37,282</b>	<b>3,27,192</b>	<b>1,33,662</b>	<b>58,844</b>	<b>5,19,698</b>
<b>West Bengal</b>												
1 . Bankura	20,551	14,207	7,970	42,728	19,016	12,924	9,096	41,036	39,567	27,131	17,066	83,764
2 . Bardhaman	38,770	22,644	17,867	79,281	46,864	30,604	23,519	1,00,987	85,634	53,248	41,386	1,80,268
3 . Birbhum	21,070	11,797	8,003	40,870	27,029	8,361	6,500	41,890	48,099	20,158	14,503	82,760
4 . Coochbehar	7,517	4,225	3,267	15,009	17,895	8,946	5,108	31,949	25,412	13,171	8,375	46,958
5 . Darjeeling	-	-	-	-	-	-	-	-	-	-	-	-
6 . East Midnapore	15,620	10,634	5,873	32,127	23,217	19,595	9,284	52,096	38,837	30,229	15,157	84,223
7 . Hooghly	22,895	17,301	16,543	56,739	37,323	31,580	25,656	94,559	60,218	48,881	42,199	1,51,298
8 . Howrah	5,003	2,022	1,489	8,514	7,101	4,881	2,947	14,929	12,104	6,903	4,436	23,443

(Continued)

**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P<sub>2</sub>O<sub>5</sub> AND K<sub>2</sub>O  
2015-16 (April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total
<b>I. East Zone (Continued)</b>												
<b>West Bengal (Concluded)</b>												
9 . Jalpaiguri	31,833	9,032	16,413	57,278	35,537	16,103	14,158	65,798	67,370	25,135	30,571	1,23,076
10 . Malda	22,981	8,722	7,134	38,837	38,811	16,000	10,488	65,299	61,792	24,722	17,622	1,04,136
11 . Murshidabad	33,439	14,648	9,261	57,348	48,983	22,093	11,748	82,824	82,422	36,741	21,009	1,40,172
12 . Nadia	26,845	9,617	5,224	41,686	34,222	16,722	8,735	59,679	61,067	26,339	13,959	1,01,365
13 . North 24-Parganas	20,409	7,671	8,023	36,103	23,636	10,567	9,248	43,451	44,045	18,238	17,271	79,554
14 . North Dinajpur	24,874	10,225	8,622	43,721	41,663	19,427	10,934	72,024	66,537	29,652	19,556	1,15,745
15 . Purulia	7,436	3,723	1,207	12,366	1,611	790	289	2,690	9,047	4,513	1,496	15,056
16 . South 24-Pargana	12,540	6,588	4,768	23,896	17,722	13,250	6,025	36,997	30,262	19,838	10,793	60,893
17 . South Dinajpur	13,664	5,660	5,465	24,789	25,649	11,991	10,420	48,060	39,313	17,651	15,885	72,849
18 . West Midnapore	26,462	17,664	11,841	55,967	40,370	30,992	22,764	94,126	66,832	48,656	34,605	1,50,093
<b>Total</b>	<b>3,51,909</b>	<b>1,76,380</b>	<b>1,38,970</b>	<b>6,67,259</b>	<b>4,86,649</b>	<b>2,74,826</b>	<b>1,86,919</b>	<b>9,48,394</b>	<b>8,38,558</b>	<b>4,51,206</b>	<b>3,25,889</b>	<b>16,15,653</b>
<b>Manipur</b>												
1 . Bishnupur	1,828	466	330	2,624	541	266	120	927	2,369	732	450	3,551
2 . Chandel	69	-	-	69	6	4	11	21	75	4	11	90
3 . Churachandpur	144	17	-	161	10	4	11	25	154	21	11	186
4 . Imphal East	1,681	379	270	2,330	487	174	84	745	2,168	553	354	3,075
5 . Imphal West	1,718	353	270	2,341	449	194	86	729	2,167	547	356	3,070
6 . Senapati	198	45	-	243	20	8	18	46	218	53	18	289
7 . Tamenglong	37	-	-	37	4	-	-	4	41	-	-	41
8 . Thoubal	2,460	585	390	3,435	587	271	147	1,005	3,047	856	537	4,440
9 . Ukhrul	46	-	-	46	8	-	-	8	54	-	-	54
<b>Total</b>	<b>8,181</b>	<b>1,845</b>	<b>1,260</b>	<b>11,286</b>	<b>2,112</b>	<b>921</b>	<b>477</b>	<b>3,510</b>	<b>10,293</b>	<b>2,766</b>	<b>1,737</b>	<b>14,796</b>
<b>Meghalaya</b>												
1 . East Garo Hills	-	-	-	-	-	-	-	-	-	-	-	-
2 . East Khasi Hills	-	-	-	-	-	-	-	-	-	-	-	-
3 . Jaintia Hills	-	-	-	-	-	-	-	-	-	-	-	-
4 . Ri-Bhoi	-	-	-	-	-	-	-	-	-	-	-	-
5 . South Garo Hills	-	-	-	-	-	-	-	-	-	-	-	-
6 . West Garo Hills	-	-	-	-	-	-	-	-	-	-	-	-
7 . West Khasi Hills	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Tripura</b>												
1 . Dhalai	329	135	142	606	450	221	172	843	779	356	314	1,449
2 . North	601	283	266	1,150	962	385	279	1,626	1,563	668	545	2,776
3 . South	961	560	451	1,972	1,434	643	744	2,821	2,395	1,203	1,196	4,793
4 . West	2,009	1,876	2,341	6,227	2,820	2,420	1,781	7,021	4,829	4,297	4,122	13,248
<b>Total</b>	<b>3,900</b>	<b>2,855</b>	<b>3,200</b>	<b>9,955</b>	<b>5,667</b>	<b>3,669</b>	<b>2,976</b>	<b>12,312</b>	<b>9,567</b>	<b>6,524</b>	<b>6,176</b>	<b>22,267</b>

(Continued)

**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P<sub>2</sub>O<sub>5</sub> AND K<sub>2</sub>O  
2015-16 (April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total
<b>I. East Zone (Concluded)</b>												
<b>Mizoram</b>												
1 . Aizawl	92	29	44	165	138	16	19	173	230	45	63	337
2 . Champhai	92	29	44	165	230	26	32	288	322	55	75	453
3 . Kolasib	92	30	43	165	184	21	26	230	276	51	69	396
4 . Lawngtlai	92	19	30	141	46	5	6	58	138	25	36	199
5 . Lunglei	92	30	43	165	138	16	19	173	230	46	62	338
6 . Mamit	92	19	30	141	74	8	10	92	166	27	40	233
7 . Saiha	47	15	24	86	46	5	6	58	93	20	30	144
8 . Serchhip	92	19	30	141	64	7	9	81	156	26	39	221
<b>Total</b>	<b>691</b>	<b>190</b>	<b>288</b>	<b>1,169</b>	<b>920</b>	<b>105</b>	<b>126</b>	<b>1,151</b>	<b>1,611</b>	<b>295</b>	<b>414</b>	<b>2,320</b>
<b>Nagaland</b>												
1 . Dimapur	286	117	103	507	305	217	106	627	591	334	209	1,134
2 . Kiphire	12	12	5	29	10	10	8	28	22	22	13	57
3 . Kohima	23	37.1	12	71	23	28.5	21	72	45	66	33	144
4 . Longjeng	11	11.0	5	27	13	13.0	14	40	24	24	19	67
5 . Mokokchung	27	46.3	24	98	27	25.2	24	76	54	72	48	174
6 . Mon	210	78.7	33	322	34	28.5	21	84	244	107	54	406
7 . Peren	16	13	6	35	18	16	16	50	35	28	22	85
8 . Phek	32	41	26	99	23	23	17	63	55	64	43	162
9 . Tuessang	13	17.8	12	44	14	13	16	42	27	31	28	86
10 . Wokha	28	15	16	60	17	16	13	46	45	32	29	106
11 . Zunheboto	27	14	11	52	19	17	10	45	46	31	21	97
<b>Total</b>	<b>686</b>	<b>404</b>	<b>255</b>	<b>1,344</b>	<b>502</b>	<b>407</b>	<b>264</b>	<b>1,173</b>	<b>1,188</b>	<b>810</b>	<b>519</b>	<b>2,517</b>
<b>II. North Zone</b>												
<b>Haryana</b>												
1 . Ambala	17,612	3,213	439	21,263	27,202	4,476	860	32,538	44,813	7,689	1,299	53,801
2 . Bhiwani	17,200	9,869	228	27,297	26,567	10,557	215	37,339	43,767	20,426	443	64,636
3 . Faridabad	4,125	4,603	41	8,769	13,493	5,044	221	18,758	17,618	9,647	262	27,527
4 . Fatehabad	29,480	11,114	613	41,206	38,849	11,165	552	50,566	68,329	22,278	1,165	91,772
5 . Gurgaon	2,077	3,241	35	5,354	11,462	3,775	276	15,513	13,540	7,016	311	20,867
6 . Hisar	29,331	9,617	434	39,382	34,210	9,810	552	44,572	63,541	19,427	986	83,954
7 . Jhajjar	4,748	2,981	50	7,779	14,125	2,656	276	17,056	18,873	5,637	326	24,835
8 . Jind	35,392	11,383	521	47,295	44,823	11,209	430	56,463	80,215	22,592	951	1,03,758
9 . Kaithal	33,078	6,587	357	40,022	42,763	7,614	936	51,313	75,841	14,201	1,293	91,335
10 . Karnal	42,622	8,894	620	52,135	52,488	10,281	1,224	63,993	95,109	19,175	1,844	1,16,128
11 . Kurukshetra	31,181	7,157	649	38,987	40,663	7,948	936	49,547	71,844	15,105	1,585	88,534

(Continued)

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**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P<sub>2</sub>O<sub>5</sub> AND K<sub>2</sub>O  
2015-16 (April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total
<b>II. North Zone (Continued)</b>												
<b>Haryana (Concluded)</b>												
12. Mahendragarh	11,093	6,367	48	17,508	20,473	7,315	360	28,148	31,566	13,683	407	45,655
13. Mewat	5,803	2,506	29	8,339	15,155	3,270	179	18,604	20,958	5,776	208	26,943
14. Palwal	21,561	4,733	685	26,979	26,134	5,600	333	32,067	47,695	10,333	1,018	59,045
15. Panchkula	4,205	5,345	8	9,558	13,632	5,931	694	20,257	17,838	11,275	701	29,814
16. Panipat	19,575	5,443	97	25,115	28,954	5,683	382	35,020	48,530	11,126	479	60,134
17. Rewari	9,365	4,925	71	14,362	18,695	5,466	215	24,376	28,060	10,391	286	38,737
18. Rohtak	14,477	5,724	34	20,235	24,001	6,388	648	31,037	38,478	12,112	682	51,272
19. Sirsa	41,285	12,647	885	54,816	51,449	13,202	860	65,511	92,734	25,849	1,745	1,20,327
20. Sonapat	25,906	6,478	693	33,077	32,610	8,182	1,391	42,183	58,516	14,660	2,084	75,260
21. Yamuna Nagar	24,927	5,870	764	31,561	34,309	6,323	860	41,492	59,236	12,193	1,624	73,053
<b>Total</b>	<b>4,25,044</b>	<b>1,38,695</b>	<b>7,300</b>	<b>5,71,040</b>	<b>6,12,057</b>	<b>1,51,895</b>	<b>12,400</b>	<b>7,76,352</b>	<b>10,37,101</b>	<b>2,90,590</b>	<b>19,700</b>	<b>13,47,391</b>
<b>Himachal Pradesh</b>												
1. Bilaspur	1,252	111	55	1,418	878	80	42	1,000	2,130	191	97	2,418
2. Chamba	846	23	11	880	278	94	65	437	1,124	117	76	1,317
3. Hamirpur	1,602	101	51	1,754	623	107	54	784	2,225	208	105	2,538
4. Kangra	3,190	530	265	3,985	3,164	1,164	592	4,920	6,354	1,694	857	8,905
5. Kinnaur	33	26	15	74	63	61	66	190	96	87	81	264
6. Kullu	947	367	210	1,524	1,591	958	1,435	3,984	2,538	1,325	1,645	5,508
7. L/Spiti	126	148	80	354	43	34	27	104	169	182	107	458
8. Mandi	2,409	410	215	3,034	2,284	706	622	3,612	4,693	1,116	837	6,646
9. Shimla	1,457	430	433	2,320	3,245	2,684	4,933	10,862	4,702	3,114	5,366	13,182
10. Sirmaur	1,969	223	112	2,304	1,463	487	265	2,215	3,432	710	377	4,519
11. Solan	1,762	312	164	2,238	1,119	308	160	1,587	2,881	620	324	3,825
12. Una	2,771	713	372	3,856	3,151	659	333	4,143	5,922	1,372	705	7,999
<b>Total</b>	<b>18,364</b>	<b>3,394</b>	<b>1,983</b>	<b>23,741</b>	<b>17,902</b>	<b>7,342</b>	<b>8,594</b>	<b>33,838</b>	<b>36,266</b>	<b>10,736</b>	<b>10,577</b>	<b>57,579</b>
<b>Jammu &amp; Kashmir</b>												
1. Anantnag	5,146	1,135	453	6,733	4,713	2,375	1,655	8,743	9,859	3,510	2,108	15,476
2. Bandipora	322	142	36	500	1,311	284	196	1,792	1,633	426	232	2,291
3. Baramulla	3,401	648	153	4,203	5,587	1,380	1,196	8,163	8,988	2,028	1,350	12,366
4. Budgam	5,485	1,292	328	7,105	3,823	1,503	1,294	6,620	9,308	2,796	1,621	13,725
5. Doda	797	31	-	828	367	25	-	392	1,164	56	-	1,220
6. Ganderbal	689	204	100	993	1,196	301	190	1,687	1,885	505	289	2,679
7. Jammu	4,394	1,806	30	6,230	5,389	2,991	165	8,545	9,783	4,796	195	14,774
8. Kargil	264	69	5	339	-	-	-	-	264	69	5	339
9. Kathua	2,578	1,117	26	3,721	2,676	1,689	104	4,469	5,254	2,806	130	8,190

(Continued)

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**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P<sub>2</sub>O<sub>5</sub> AND K<sub>2</sub>O  
2015-16 (April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total
<b>II. North Zone (Continued)</b>												
<b>Jammu &amp; Kashmir (Concluded)</b>												
10. Kishtwar	84	4	-	89	102	12	5	120	187	17	5	209
11. Kulgam	2,749	446	158	3,354	3,702	2,142	1,454	7,298	6,451	2,588	1,613	10,652
12. Kupwara	2,256	414	214	2,884	2,307	618	539	3,464	4,563	1,031	754	6,348
13. Leh	235	143	9	387	-	-	-	-	235	143	9	387
14. Poonch	1,441	184	9	1,633	1,349	66	1	1,415	2,789	249	9	3,048
15. Pulwama	3,174	752	324	4,249	4,075	1,906	1,479	7,460	7,249	2,659	1,802	11,709
16. Rajouri	1,999	331	3	2,333	1,351	236	9	1,596	3,350	567	12	3,929
17. Ramban	488	75	6	569	135	-	1	136	623	75	7	705
18. Reasi	483	90	6	578	393	103	2	498	875	193	8	1,076
19. Samba	1,132	401	1	1,534	1,088	682	12	1,783	2,220	1,083	14	3,317
20. Shopian	1,668	448	376	2,492	2,123	1,217	1,222	4,563	3,792	1,665	1,598	7,055
21. Srinagar	78	54	42	175	237	171	160	569	315	226	202	744
22. Udhampur	716	69	-	786	695	516	18	1,229	1,411	586	18	2,015
<b>Total</b>	<b>39,579</b>	<b>9,855</b>	<b>2,278</b>	<b>51,712</b>	<b>42,619</b>	<b>18,219</b>	<b>9,704</b>	<b>70,542</b>	<b>82,199</b>	<b>28,074</b>	<b>11,981</b>	<b>1,22,254</b>
<b>Punjab</b>												
1. Amritsar	39,524	12,470	2,715	54,708	43,438	18,739			82,962	31,209		
2. Barnala	20,034	5,218	1,395	26,646	25,188	11,694			45,222	16,912		
3. Bathinda	42,814	9,646	2,895	55,354	46,436	14,270			89,250	23,916		
4. Faridkot	20,214	5,886	1,413	27,512	25,294	10,718			45,508	16,604		
5. Fatehgarh Sahib	15,946	4,458	1,991	22,394	21,917	10,759			37,863	15,217		
6. Ferozepur	45,694	16,926	1,689	64,308	48,094	20,115			93,788	37,040		
7. Gurdaspur	45,754	10,106	1,695	57,554	48,060	12,638			93,814	22,743		
8. Hoshiarpur	22,738	7,700	1,947	32,385	29,624	16,847			52,362	24,547		
9. Jalandhar	35,074	11,106	2,595	48,774	41,464	21,115			76,538	32,221		
10. Kapurthala	22,254	4,126	1,695	28,074	27,491	8,880			49,745	13,006		
11. Ludhiana	80,874	12,866	1,395	95,134	83,234	18,121			1,64,108	30,987		
12. Mansa	28,234	3,990	3,195	35,418	31,360	7,049			59,594	11,039		
13. Moga	41,174	9,343	3,195	53,712	44,527	12,860			85,702	22,203		
14. Patiala	69,185	12,316	2,582	84,082	65,731	5,590			1,34,916	17,906		
15. Rupnagar	9,998	2,190	1,347	13,534	17,132	10,879			27,130	13,069		
16. S B S Nagar	13,029	4,058	1,361	18,448	17,601	8,174			30,629	12,232		
17. Sangrur	48,134	11,646	1,395	61,174	55,722	19,050			1,03,856	30,696		
18. SAS Nagar Mohali	7,188	2,810	1,347	11,344	12,796	6,511			19,984	9,321		
19. Shri Muktsar Sahe	42,092	7,806	1,395	51,292	43,886	12,338			85,978	20,143		
20. Taran Taran	32,534	6,886	1,695	41,114	35,794	10,820			68,328	17,706		
<b>Total</b>	<b>6,82,490</b>	<b>1,61,546</b>	<b>38,929</b>	<b>8,82,965</b>	<b>7,64,788</b>	<b>2,57,168</b>	<b>38,784</b>	<b>10,60,740</b>	<b>14,47,278</b>	<b>4,18,714</b>	<b>77,713</b>	<b>19,43,705</b>

District-wise break-up  
of K<sub>2</sub>O consumption is  
not available

District-wise break-up  
of K<sub>2</sub>O consumption is  
not available

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(Continued)

**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P<sub>2</sub>O<sub>5</sub> AND K<sub>2</sub>O  
2015-16 (April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total
<b>II. North Zone (Continued)</b>												
<b>Uttar Pradesh</b>												
1. Agra	22,998	8,515	1,276	32,789	23,774	9,024	1,982	34,780	46,772	17,540	3,258	67,570
2. Aligarh	35,130	13,008	1,950	50,087	26,308	9,986	2,193	38,487	61,438	22,994	4,143	88,574
3. Allahabad	24,998	9,256	1,387	35,642	23,778	9,026	1,982	34,787	48,777	18,282	3,369	70,428
4. Ambedkar Nagar	16,192	5,995	899	23,086	14,330	5,440	1,195	20,964	30,522	11,435	2,093	44,050
5. Amethi	21,398	7,923	1,187	30,509	13,172	5,000	1,098	19,270	34,570	12,923	2,286	49,779
6. Amroha	14,162	5,244	786	20,191	16,239	6,164	1,354	23,757	30,401	11,408	2,140	43,949
7. Auraiya	12,555	4,649	697	17,901	11,768	4,467	981	17,216	24,323	9,116	1,678	35,117
8. Azamgarh	30,347	11,237	1,684	43,267	25,275	9,594	2,107	36,977	55,622	20,831	3,791	80,244
9. Badaun	37,175	13,765	2,063	53,003	32,915	12,494	2,744	48,153	70,091	26,259	4,807	1,01,157
10. Bagpat	10,069	3,728	559	14,356	12,469	4,733	1,039	18,242	22,538	8,462	1,598	32,598
11. Bahraich	32,763	12,131	1,818	46,712	25,111	9,532	2,093	36,736	57,874	21,663	3,911	83,448
12. Ballia	19,090	7,068	1,059	27,218	17,343	6,583	1,446	25,372	36,433	13,652	2,505	52,590
13. Balrampur	21,497	7,960	1,193	30,650	19,273	7,316	1,607	28,196	40,770	15,276	2,800	58,846
14. Banda	16,996	6,293	943	24,232	26,016	9,875	2,169	38,061	43,012	16,169	3,112	62,293
15. Barabanki	26,827	9,933	1,489	38,249	25,214	9,571	2,102	36,887	52,041	19,504	3,591	75,136
16. Bareilly	33,150	12,275	1,840	47,264	30,631	11,627	2,553	44,811	63,781	23,902	4,393	92,076
17. Basti	18,690	6,920	1,037	26,648	17,736	6,732	1,479	25,947	36,426	13,653	2,516	52,594
18. Bijnor	32,874	12,172	1,824	46,870	33,597	12,753	2,801	49,151	66,471	24,925	4,625	96,021
19. Bulandshahar	25,945	9,607	1,440	36,991	25,913	9,836	2,160	37,910	51,858	19,443	3,600	74,901
20. Chandauli	14,361	5,318	797	20,476	10,040	3,811	837	14,688	24,401	9,129	1,634	35,164
21. Chitrakoot	8,205	3,038	455	11,698	10,829	4,111	903	15,842	19,034	7,149	1,358	27,540
22. Deoria	18,996	7,034	1,054	27,084	15,097	5,731	1,259	22,086	34,093	12,764	2,313	49,170
23. Etah	18,055	6,685	1,002	25,742	16,213	6,154	1,352	23,719	34,268	12,840	2,354	49,461
24. Etawah	12,003	4,444	666	17,114	11,624	4,412	969	17,006	23,627	8,857	1,635	34,119
25. Faizabad	17,451	6,462	968	24,881	16,343	6,204	1,362	23,909	33,794	12,665	2,331	48,790
26. Farrukhabad	9,922	3,674	551	14,147	11,951	4,536	996	17,483	21,873	8,210	1,547	31,630
27. Fatehpur	25,616	9,485	1,422	36,522	23,143	8,785	1,929	33,857	48,759	18,270	3,351	70,379
28. Firozabad	12,737	4,716	707	18,160	15,410	5,850	1,285	22,545	28,147	10,566	1,991	40,705
29. Gautambudh Nagar	3,585	1,327	199	5,111	5,779	2,194	482	8,454	9,363	3,521	681	13,565
30. Ghaziabad	3,979	1,473	221	5,673	6,038	2,292	503	8,833	10,017	3,765	724	14,506
31. Ghazipur	22,385	8,288	1,242	31,916	19,878	7,545	1,657	29,080	42,263	15,834	2,899	60,996
32. Gonda	30,872	11,431	1,713	44,016	24,211	9,190	2,018	35,419	55,082	20,621	3,731	79,435
33. Gorakhpur	20,059	7,427	1,113	28,599	18,705	7,100	1,559	27,364	38,763	14,527	2,672	55,963
34. Hamirpur	15,435	5,715	857	22,006	22,408	8,506	1,868	32,782	37,843	14,221	2,725	54,788
35. Hapur	7,492	2,774	416	10,681	9,057	3,438	755	13,250	16,549	6,212	1,171	23,932

(Continued)

**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P<sub>2</sub>O<sub>5</sub> AND K<sub>2</sub>O  
2015-16 (April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total
<b>II. North Zone (Continued)</b>												
<b>Uttar Pradesh (Continued)</b>												
36 . Hardoi	39,859	14,759	2,212	56,830	36,913	14,012	3,077	54,002	76,772	28,771	5,289	1,10,832
37 . Hathras	18,117	6,708	1,005	25,831	13,097	4,972	1,092	19,160	31,214	11,680	2,097	44,991
38 . Jalaun	8,663	3,208	481	12,352	28,633	10,869	2,387	41,888	37,296	14,076	2,868	54,240
39 . Jaunpur	29,756	11,018	1,651	42,426	22,212	8,431	1,852	32,495	51,968	19,449	3,503	74,920
40 . Jhansi	24,419	9,042	1,355	34,816	29,606	11,238	2,468	43,312	54,026	20,280	3,823	78,129
41 . Kannauj	12,010	4,447	667	17,124	11,753	4,461	980	17,194	23,764	8,909	1,646	34,319
42 . Kanpur (Dehat)	14,009	5,187	777	19,974	16,883	6,409	1,407	24,699	30,892	11,596	2,185	44,673
43 . Kanpur (Nagar)	12,274	4,545	681	17,500	14,961	5,679	1,247	21,887	27,235	10,224	1,928	39,388
44 . Kasganj	34,368	12,726	1,907	49,001	11,840	4,494	987	17,321	46,208	17,220	2,894	66,322
45 . Kaushambi	12,168	4,505	675	17,349	8,940	3,394	745	13,079	21,108	7,899	1,421	30,427
46 . Kushinagar	26,692	9,883	1,481	38,057	19,039	7,227	1,587	27,853	45,731	17,110	3,068	65,910
47 . Lakhimpur Kheri	54,818	20,298	3,042	78,158	45,556	17,293	3,798	66,646	1,00,374	37,590	6,840	1,44,804
48 . Lalitpur	26,966	9,985	1,496	38,447	26,396	10,020	2,200	38,616	53,362	20,004	3,697	77,063
49 . Lucknow	8,235	3,049	457	11,741	9,451	3,588	788	13,826	17,686	6,637	1,245	25,567
50 . Mahoba	13,867	5,134	770	19,771	19,260	7,311	1,606	28,176	33,127	12,445	2,375	47,947
51 . Mahrajganj	22,609	8,371	1,255	32,235	16,580	6,294	1,382	24,256	39,189	14,665	2,637	56,491
52 . Mainpuri	17,673	6,544	981	25,197	17,298	6,566	1,442	25,306	34,971	13,110	2,423	50,503
53 . Mathura	20,386	7,548	1,131	29,066	24,172	9,175	2,015	35,362	44,557	16,724	3,146	64,427
54 . Mau	11,647	4,312	646	16,605	10,018	3,803	835	14,655	21,664	8,115	1,481	31,261
55 . Meerut	18,657	6,908	1,035	26,601	21,938	8,327	1,829	32,094	40,595	15,236	2,864	58,694
56 . Mirzapur	15,598	5,776	866	22,240	12,302	4,670	1,026	17,997	27,900	10,445	1,891	40,237
57 . Moradabad	18,862	6,984	1,047	26,892	18,032	6,845	1,503	26,380	36,893	13,829	2,550	53,272
58 . Muzaffarnagar	23,433	8,676	1,300	33,409	29,324	11,131	2,444	42,899	52,756	19,807	3,745	76,308
59 . Pilibhit	25,666	9,503	1,424	36,593	22,714	8,622	1,894	33,230	48,380	18,125	3,318	69,823
60 . Pratapgarh	18,535	6,863	1,029	26,427	15,214	5,775	1,268	22,258	33,749	12,638	2,297	48,685
61 . Raebareli	15,634	5,789	868	22,290	14,419	5,473	1,202	21,094	30,053	11,262	2,070	43,384
62 . Rampur	20,763	7,688	1,152	29,603	19,635	7,453	1,637	28,725	40,398	15,141	2,789	58,328
63 . S.Ravidas Nagar	5,103	1,890	283	7,276	4,749	1,803	396	6,948	9,852	3,692	679	14,224
64 . Saharanpur	25,050	9,275	1,390	35,716	26,960	10,234	2,247	39,441	52,010	19,509	3,638	75,157
65 . Sambhal	20,136	7,456	1,117	28,709	18,291	6,943	1,525	26,758	38,427	14,399	2,642	55,468
66 . Sant Kabir Nagar	12,182	4,511	676	17,368	9,878	3,750	823	14,451	22,060	8,260	1,499	31,820
67 . Shahjahanpur	38,036	14,084	2,111	54,231	33,445	12,695	2,788	48,929	71,482	26,779	4,899	1,03,160
68 . Shamali	10,954	4,056	608	15,618	8,759	3,325	730	12,814	19,713	7,381	1,338	28,432
69 . Shrawasti	12,500	4,629	694	17,822	9,599	3,644	800	14,043	22,099	8,272	1,494	31,865

(Continued)



**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P<sub>2</sub>O<sub>5</sub> AND K<sub>2</sub>O  
2015-16 (April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total
<b>II. North Zone (Concluded)</b>												
<b>Uttar Pradesh (Concluded)</b>												
70 . Siddharthnagar	21,002	7,776	1,165	29,943	15,699	5,959	1,309	22,967	36,700	13,735	2,474	52,910
71 . Sitapur	43,421	16,077	2,410	61,908	38,524	14,623	3,211	56,359	81,945	30,701	5,621	1,18,267
72 . Sonbhadra	11,250	4,166	624	16,040	9,416	3,574	785	13,775	20,666	7,740	1,409	29,816
73 . Sultanpur	21,043	7,792	1,168	30,003	12,491	4,741	1,041	18,273	33,534	12,533	2,209	48,276
74 . Unnao	25,164	9,317	1,396	35,878	24,625	9,347	2,053	36,025	49,789	18,665	3,449	71,903
75 . Varanasi	10,527	3,898	584	15,009	7,741	2,938	645	11,325	18,268	6,836	1,229	26,333
<b>Total</b>	<b>15,16,060</b>	<b>5,61,356</b>	<b>84,132</b>	<b>21,61,548</b>	<b>14,13,950</b>	<b>5,36,721</b>	<b>1,17,871</b>	<b>20,68,542</b>	<b>29,30,010</b>	<b>10,98,076</b>	<b>2,02,003</b>	<b>42,30,089</b>
<b>Uttarakhand</b>												
1 . Almora	115	15	3	133	119	47	14	179	234	62	16	312
2 . Bageshwar	126	38	9	174	110	42	14	166	236	80	23	339
3 . Chamoli	70	23	-	94	44	35	-	79	114	58	-	172
4 . Champawat	147	28	-	174	213	68	27	308	360	96	27	483
5 . Dehradun	2,020	246	57	2,323	2,131	590	21	2,742	4,151	837	78	5,066
6 . Haridwar	14,755	2,852	1,436	19,043	14,181	4,563	364	19,108	28,936	7,415	1,800	38,151
7 . Nainital	4,689	421	96	5,206	5,692	1,188	419	7,299	10,380	1,609	516	12,505
8 . Pauri	171	26	2	199	229	80	6	315	401	106	8	515
9 . Pithoragarh	134	22	2	158	93	46	10	149	227	68	10	305
10 . Rudraprayag	-	-	-	-	-	-	-	-	-	-	-	-
11 . Tehri	45	12	-	56	66	43	0	109	111	55	0	166
12 . U.S. Nagar	54,303	5,534	1,500	61,337	71,321	7,369	2,731	81,421	1,25,623	12,903	4,231	1,42,758
13 . Uttar Kashi	53	28	3	84	118	173	25	316	171	201	28	400
<b>Total</b>	<b>76,629</b>	<b>9,245</b>	<b>3,107</b>	<b>88,981</b>	<b>94,315</b>	<b>14,245</b>	<b>3,632</b>	<b>1,12,192</b>	<b>1,70,944</b>	<b>23,490</b>	<b>6,739</b>	<b>2,01,173</b>
<b>III. South Zone</b>												
<b>Andhra Pradesh</b>												
1 . Anantapur	24,954	12,282	6,471	43,707	22,996	14,132	4,981	42,109	47,950	26,414	11,452	85,816
2 . Chittoor	15,521	3,777	1,404	20,702	31,598	10,734	4,474	46,806	47,119	14,511	5,878	67,508
3 . East Godavari	44,512	12,185	10,816	67,513	56,430	24,923	12,512	93,865	1,00,942	37,108	23,328	1,61,378
4 . Guntur	72,617	33,549	8,835	1,15,001	66,844	39,835	10,664	1,17,343	1,39,461	73,384	19,499	2,32,344
5 . Kadapa	17,353	8,564	3,273	29,190	28,773	12,753	5,227	46,753	46,126	21,317	8,500	75,943
6 . Krishna	59,516	25,269	9,811	94,596	39,489	21,340	10,589	71,418	99,005	46,609	20,400	1,66,014
7 . Kurnool	71,999	46,588	9,736	1,28,323	52,421	36,562	9,487	98,470	1,24,420	83,150	19,223	2,26,793
8 . Nellore	22,773	8,381	2,018	33,172	86,020	31,922	13,026	1,30,968	1,08,793	40,303	15,044	1,64,140
9 . Prakasam	25,885	15,097	1,294	42,276	40,957	24,635	5,338	70,930	66,842	39,732	6,632	1,13,206

(Continued)

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**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P<sub>2</sub>O<sub>5</sub> AND K<sub>2</sub>O  
2015-16 (April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total
<b>III. South Zone (Continued)</b>												
<b>Andhra Pradesh (Concluded)</b>												
10 . Srikakulam	26,208	9,490	3,790	39,488	11,705	4,348	1,057	17,110	37,913	13,838	4,847	56,598
11 . Visakhapatnam	16,391	5,204	1,421	23,016	6,623	1,636	531	8,790	23,014	6,840	1,952	31,806
12 . Vizianagaram	24,082	8,106	3,260	35,448	11,629	3,736	1,441	16,806	35,711	11,842	4,701	52,254
13 . West Godavari	56,292	25,923	20,467	1,02,682	89,379	48,748	23,536	1,61,663	1,45,671	74,671	44,003	2,64,345
<b>Total</b>	<b>4,78,103</b>	<b>2,14,415</b>	<b>82,596</b>	<b>7,75,114</b>	<b>5,44,864</b>	<b>2,75,304</b>	<b>1,02,863</b>	<b>9,23,031</b>	<b>10,22,967</b>	<b>4,89,719</b>	<b>1,85,459</b>	<b>16,98,145</b>
<b>Telangana</b>												
1 . Adilabad	49,304	16,406	3,766	69,476	49,308	16,517	4,054	69,879	98,612	32,923	7,820	1,39,355
2 . Karimnagar	75,224	20,917	10,764	1,06,905	77,405	21,552	6,238	1,05,195	1,52,629	42,469	17,002	2,12,100
3 . Khammam	51,404	25,516	9,334	86,254	32,488	13,824	4,825	51,137	83,892	39,340	14,159	1,37,391
4 . Mahaboobnagar	48,647	24,042	6,613	79,302	45,915	20,098	4,302	70,315	94,562	44,140	10,915	1,49,617
5 . Medak	39,273	8,568	2,354	50,195	34,312	12,586	1,789	48,687	73,585	21,154	4,143	98,882
6 . Nalgonda	69,070	23,513	7,500	1,00,083	54,313	25,972	6,030	86,315	1,23,383	49,485	13,530	1,86,398
7 . Nizamabad	30,101	9,824	4,464	44,389	45,976	19,457	6,822	72,255	76,077	29,281	11,286	1,16,644
8 . Rangareddy	28,862	16,099	8,590	53,551	22,203	11,342	6,525	40,070	51,065	27,441	15,115	93,621
9 . Warangal	69,373	23,379	11,002	1,03,754	54,119	18,170	6,171	78,460	1,23,492	41,549	17,173	1,82,214
<b>Total</b>	<b>4,61,258</b>	<b>1,68,264</b>	<b>64,387</b>	<b>6,93,909</b>	<b>4,16,039</b>	<b>1,59,518</b>	<b>46,756</b>	<b>6,22,313</b>	<b>8,77,297</b>	<b>3,27,782</b>	<b>1,11,143</b>	<b>13,16,222</b>
<b>Karnataka</b>												
1 . Bagalkote	24,600	12,237	6,960	43,797	19,510	6,256	4,184	29,950	44,110	18,493	11,144	73,747
2 . Bangalore Rural	6,304	4,257	1,561	12,122	4,474	2,790	1,203	8,467	10,778	7,047	2,764	20,589
3 . Bangalore Urban	8,570	4,914	1,806	15,290	8,523	3,707	1,777	14,007	17,093	8,621	3,583	29,297
4 . Belgaum	52,280	27,463	15,777	95,520	40,505	17,120	9,526	67,151	92,785	44,583	25,303	1,62,671
5 . Bellary	56,243	27,134	9,300	92,677	28,437	16,541	7,830	52,808	84,680	43,675	17,130	1,45,485
6 . Bidar	8,684	7,676	1,534	17,894	4,797	4,636	454	9,887	13,481	12,312	1,988	27,781
7 . Bijapur	19,985	12,623	2,729	35,337	15,448	7,679	2,682	25,809	35,433	20,302	5,411	61,146
8 . Chamarajanagar	8,081	4,073	3,645	15,799	6,660	2,668	2,255	11,583	14,741	6,741	5,900	27,382
9 . Chickmagalur	22,636	14,398	15,902	52,936	12,591	7,113	6,912	26,616	35,227	21,511	22,814	79,552
10 . Chikballapur	10,291	5,632	2,053	17,976	8,760	4,850	1,899	15,509	19,051	10,482	3,952	33,485
11 . Chitradurga	13,043	8,601	3,449	25,093	11,470	6,655	1,793	19,918	24,513	15,256	5,242	45,011
12 . Dakshina Kannada	3,552	1,380	2,500	7,432	4,193	3,011	3,964	11,168	7,745	4,391	6,464	18,600
13 . Davanagere	33,684	19,710	7,011	60,405	22,847	13,540	4,026	40,413	56,531	33,250	11,037	1,00,818
14 . Dharwad	17,430	9,197	2,839	29,466	9,926	6,892	2,015	18,833	27,356	16,089	4,854	48,299
15 . Gadag	11,155	6,332	1,824	19,311	7,475	3,898	769	12,142	18,630	10,230	2,593	31,453
16 . Gulbarga	16,568	18,089	2,332	36,989	13,043	9,955	1,134	24,132	29,611	28,044	3,466	61,121
17 . Hassan	23,499	15,081	10,938	49,518	15,185	8,454	6,637	30,276	38,684	23,535	17,575	79,794
18 . Haveri	25,549	12,072	3,521	41,142	15,957	10,083	2,308	28,348	41,506	22,155	5,829	69,490

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**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P<sub>2</sub>O<sub>5</sub> AND K<sub>2</sub>O  
2015-16 (April-March) (Continued)**

Zone/State/District	Kharif				Rabi				Total			
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total
<b>III. South Zone (Continued)</b>												
<b>Karnataka (Concluded)</b>												
19 . Kodagu	13,147	8,044	10,922	32,113	9,070	5,202	6,620	20,892	22,217	13,246	17,542	53,005
20 . Kolar	7,612	4,294	1,664	13,570	6,732	3,213	1,437	11,382	14,344	7,507	3,101	24,952
21 . Koppal	26,106	12,635	7,645	46,386	15,875	9,048	6,272	31,195	41,981	21,683	13,917	77,581
22 . Mandya	28,093	10,074	7,812	45,979	25,460	7,019	3,610	36,089	53,553	17,093	11,422	82,068
23 . Mysore	23,289	11,816	13,582	48,687	14,733	6,801	4,546	26,080	38,022	18,617	18,128	74,767
24 . Raichur	53,913	27,786	9,493	91,192	28,057	16,738	6,504	51,299	81,970	44,524	15,997	1,42,491
25 . Ramanagaram	3,939	795	664	5,398	4,437	320	289	5,046	8,376	1,115	953	10,444
26 . Shimoga	19,811	12,807	7,614	40,232	10,613	6,885	3,864	21,362	30,424	19,692	11,478	61,594
27 . Tumkur	14,576	7,523	2,787	24,886	12,661	5,530	3,174	21,365	27,237	13,053	5,961	46,251
28 . Udupi	1,924	880	1,145	3,949	843	482	539	1,864	2,767	1,362	1,684	5,813
29 . Uttara Kannada	5,948	2,652	2,018	10,618	4,092	1,895	1,344	7,331	10,040	4,547	3,362	17,949
30 . Yadgiri	21,611	13,335	3,647	38,593	17,122	8,914	2,484	28,520	38,733	22,249	6,131	67,113
<b>Total</b>	<b>5,82,123</b>	<b>3,23,510</b>	<b>1,64,674</b>	<b>10,70,307</b>	<b>3,99,496</b>	<b>2,07,895</b>	<b>1,02,051</b>	<b>7,09,442</b>	<b>9,81,619</b>	<b>5,31,405</b>	<b>2,66,725</b>	<b>17,79,749</b>
<b>Kerala</b>												
1 . Alappuzha	2,610	776	1,240	4,626	6,453	1,729	3,190	11,372	9,063	2,505	4,430	15,998
2 . Ernakulam	8,489	2,697	5,740	16,926	5,392	2,116	3,673	11,181	13,881	4,813	9,413	28,107
3 . Idukki	4,204	2,327	4,188	10,719	4,385	2,423	4,142	10,950	8,589	4,750	8,330	21,669
4 . Kannur	2,642	1,109	1,935	5,686	4,935	1,044	3,074	9,053	7,577	2,153	5,009	14,739
5 . Kasargode	549	646	514	1,709	3,048	829	2,229	6,106	3,597	1,475	2,743	7,815
6 . Kollam	2,310	1,123	1,807	5,240	2,069	558	2,440	5,067	4,379	1,681	4,247	10,307
7 . Kottayam	6,347	2,533	3,587	12,467	4,893	2,001	3,212	10,106	11,240	4,534	6,799	22,573
8 . Kozhikode	3,215	1,215	2,908	7,338	3,656	1,431	2,965	8,052	6,871	2,646	5,873	15,390
9 . Malappuram	2,823	1,542	2,966	7,331	4,269	1,258	3,040	8,567	7,092	2,800	6,006	15,898
10 . Palakkad	7,446	2,900	3,526	13,872	7,214	2,913	3,447	13,574	14,660	5,813	6,973	27,446
11 . Pathanamthitta	1,525	739	1,072	3,336	1,918	630	2,106	4,654	3,443	1,369	3,178	7,990
12 . Thiruvananthapur	1,999	1,306	441	3,746	2,096	903	1,972	4,971	4,095	2,209	2,413	8,717
13 . Thrissur	4,309	1,128	2,513	7,950	6,861	1,751	2,988	11,600	11,170	2,879	5,501	19,550
14 . Wayanad	2,032	797	2,582	5,411	3,309	670	3,036	7,015	5,341	1,467	5,618	12,426
<b>Total</b>	<b>50,500</b>	<b>20,838</b>	<b>35,019</b>	<b>1,06,357</b>	<b>60,498</b>	<b>20,256</b>	<b>41,514</b>	<b>1,22,268</b>	<b>1,10,998</b>	<b>41,094</b>	<b>76,533</b>	<b>2,28,625</b>
<b>Tamil Nadu</b>												
1 . Ariyalur	3,932	1,652	893	6,477	4,927	1,537	997	7,461	8,859	3,189	1,890	13,938
2 . Coimbatore	10,366	5,305	9,339	25,010	11,879	6,313	5,909	24,101	22,245	11,618	15,248	49,111
3 . Cuddalore	16,518	6,233	5,504	28,255	22,469	7,478	5,467	35,414	38,987	13,711	10,971	63,669
4 . Dharmapuri	4,527	2,185	2,241	8,953	8,605	3,569	1,748	13,922	13,132	5,754	3,989	22,875
5 . Dindigul	6,707	3,535	2,574	12,816	11,673	5,411	3,600	20,684	18,380	8,946	6,174	33,500
6 . Erode	16,968	7,983	7,782	32,733	20,521	7,903	4,798	33,222	37,489	15,886	12,580	65,955

(Continued)

**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P<sub>2</sub>O<sub>5</sub> AND K<sub>2</sub>O  
2015-16 (April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total
<b>III. South Zone (Concluded)</b>												
<b>Tamil Nadu (Concluded)</b>												
7 . Kancheepuram	4,941	1,967	840	7,748	16,357	5,516	3,191	25,064	21,298	7,483	4,031	32,812
8 . Kanyakumari	3,700	1,421	1,739	6,860	4,389	2,160	1,054	7,603	8,089	3,581	2,793	14,463
9 . Karur	2,435	1,059	840	4,334	3,334	1,033	1,373	5,740	5,769	2,092	2,213	10,074
10 . Krishnagiri	6,014	3,433	1,380	10,827	6,565	3,953	1,488	12,006	12,579	7,386	2,868	22,833
11 . Madurai	7,793	3,341	3,571	14,705	14,322	4,798	3,615	22,735	22,115	8,139	7,186	37,440
12 . Nagapattinam	9,217	3,701	2,152	15,070	11,491	3,743	2,088	17,322	20,708	7,444	4,240	32,392
13 . Namakkal	2,913	1,113	1,499	5,525	4,896	2,733	1,201	8,830	7,809	3,846	2,700	14,355
14 . Nilgiris	1,104	389	1,615	3,108	1,440	259	1,016	2,715	2,544	648	2,631	5,823
15 . Perambalur	4,781	3,586	2,341	10,708	6,045	2,934	2,283	11,262	10,826	6,520	4,624	21,970
16 . Pudukottai	7,494	1,483	2,344	11,321	15,432	4,630	4,034	24,096	22,926	6,113	6,378	35,417
17 . Ramanathapuram	3,152	1,435	180	4,767	7,928	2,284	948	11,160	11,080	3,719	1,128	15,927
18 . Salem	12,584	6,562	6,561	25,707	21,150	10,737	7,549	39,436	33,734	17,299	14,110	65,143
19 . Sivagangai	3,596	1,673	369	5,638	7,071	2,097	1,315	10,483	10,667	3,770	1,684	16,121
20 . Thanjavur	19,133	6,451	3,853	29,437	20,635	7,813	4,096	32,544	39,768	14,264	7,949	61,981
21 . Theni	4,979	2,246	2,715	9,940	6,452	2,884	1,680	11,016	11,431	5,130	4,395	20,956
22 . Thoothukudi	4,849	3,015	553	8,417	8,611	3,185	1,431	13,227	13,460	6,200	1,984	21,644
23 . Tiruchirappalli	13,221	5,647	5,472	24,340	22,974	10,250	8,374	41,598	36,195	15,897	13,846	65,938
24 . Tirunelveli	10,663	3,189	2,728	16,580	18,445	5,363	4,245	28,053	29,108	8,552	6,973	44,633
25 . Tiruppur	5,675	3,101	3,505	12,281	8,213	3,709	4,275	16,197	13,888	6,810	7,780	28,478
26 . Tiruvallur	9,091	3,648	1,321	14,060	14,553	5,655	2,445	22,653	23,644	9,303	3,766	36,713
27 . Tiruvannamalai	9,464	3,535	2,745	15,744	32,138	11,206	5,798	49,142	41,602	14,741	8,543	64,886
28 . Tiruvarur	11,610	3,789	4,570	19,969	14,826	5,030	4,997	24,853	26,436	8,819	9,567	44,822
29 . Vellore	11,088	4,249	1,956	17,293	30,383	8,652	4,842	43,877	41,471	12,901	6,798	61,170
30 . Villupuram	20,902	6,484	4,670	32,056	45,767	16,653	9,316	71,736	66,669	23,137	13,986	1,03,792
31 . Virudhunagar	2,701	1,378	539	4,618	7,123	2,286	1,501	10,910	9,824	3,664	2,040	15,528
<b>Total</b>	<b>2,52,118</b>	<b>1,04,788</b>	<b>88,391</b>	<b>4,45,297</b>	<b>4,30,614</b>	<b>1,61,774</b>	<b>1,06,674</b>	<b>6,99,062</b>	<b>6,82,732</b>	<b>2,66,562</b>	<b>1,95,065</b>	<b>11,44,359</b>
<b>IV. West Zone</b>												
<b>Gujarat</b>												
1 . Ahmedabad	29,776	7,984	812	38,572	33,558	7,743	1,089	42,390	63,334	15,727	1,901	80,962
2 . Amreli	28,573	12,276	1,533	42,382	9,563	5,276	557	15,396	38,136	17,552	2,090	57,778
3 . Anand	28,723	3,532	1,609	33,864	35,414	3,163	2,307	40,884	64,137	6,695	3,916	74,748
4 . Banaskantha	43,905	7,604	3,381	54,890	61,158	19,653	6,605	87,416	1,05,063	27,257	9,986	1,42,306
5 . Bharuch	14,571	2,790	2,039	19,400	9,577	2,717	2,128	14,422	24,148	5,507	4,167	33,822
6 . Bhavnagar	41,277	17,097	3,155	61,529	13,292	6,990	1,086	21,368	54,569	24,087	4,241	82,897
7 . Dahod	11,168	1,298	64	12,530	4,649	686	2	5,337	15,817	1,984	66	17,867

(Continued)

**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P<sub>2</sub>O<sub>5</sub> AND K<sub>2</sub>O  
2015-16 (April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total
<b>IV. West Zone (Continued)</b>												
<b>Gujarat (Concluded)</b>												
8 . Gandhinagar	9,950	2,028	608	12,586	14,059	2,831	1,720	18,610	24,009	4,859	2,328	31,196
9 . Jamnagar	28,736	11,709	1,877	42,322	5,426	3,765	440	9,631	34,162	15,474	2,317	51,953
10 . Junagadh	24,251	12,905	2,743	39,899	19,554	8,785	1,031	29,370	43,805	21,690	3,774	69,269
11 . Kheda	34,563	3,835	1,667	40,065	34,800	5,037	2,064	41,901	69,363	8,872	3,731	81,966
12 . Kutch	19,991	5,874	619	26,484	26,047	7,563	391	34,001	46,038	13,437	1,010	60,485
13 . Mehsana	14,195	2,646	715	17,556	29,792	6,450	1,491	37,733	43,987	9,096	2,206	55,289
14 . Narmada	11,301	1,052	969	13,322	3,877	608	822	5,307	15,178	1,660	1,791	18,629
15 . Navsari	11,595	3,504	3,368	18,467	7,186	3,501	2,686	13,373	18,781	7,005	6,054	31,840
16 . Panchmahal	23,443	2,437	562	26,442	12,969	1,624	371	14,964	36,412	4,061	933	41,406
17 . Patan	10,373	1,939	150	12,462	23,429	5,292	178	28,899	33,802	7,231	328	41,361
18 . Porbandar	3,643	2,312	226	6,181	1,867	928	65	2,860	5,510	3,240	291	9,041
19 . Rajkot	63,335	25,040	6,068	94,443	24,748	12,427	3,410	40,585	88,083	37,467	9,478	1,35,028
20 . Sabarkantha	31,197	9,193	5,484	45,874	39,631	11,804	7,098	58,533	70,828	20,997	12,582	1,04,407
21 . Surat	25,081	7,174	6,590	38,845	23,313	11,437	9,504	44,254	48,394	18,611	16,094	83,099
22 . Surendranagar	41,518	12,705	1,266	55,489	28,136	11,560	450	40,146	69,654	24,265	1,716	95,635
23 . Tapi	10,845	1,796	1,029	13,670	4,382	1,421	828	6,631	15,227	3,217	1,857	20,301
24 . The Dang	332	16	-	348	101	25	-	126	433	41	-	474
25 . Vadodara	33,908	5,936	2,523	42,367	29,008	4,186	2,293	35,487	62,916	10,122	4,816	77,854
26 . Valsad	7,003	2,432	1,952	11,387	3,034	920	1,795	5,749	10,037	3,352	3,747	17,136
<b>Total</b>	<b>6,03,253</b>	<b>1,67,114</b>	<b>51,009</b>	<b>8,21,376</b>	<b>4,98,570</b>	<b>1,46,392</b>	<b>50,411</b>	<b>6,95,373</b>	<b>11,01,823</b>	<b>3,13,506</b>	<b>1,01,420</b>	<b>15,16,749</b>
<b>Madhya Pradesh</b>												
1 . Agar Malwa	5,583	4,645	549	10,777	4,971	2,866	226	8,063	10,554	7,511	775	18,840
2 . Alirajpur	5,355	1,511	48	6,914	4,542	1,660	49	6,251	9,897	3,171	97	13,165
3 . Anuppur	1,305	948	20	2,273	246	150	2	398	1,551	1,098	22	2,671
4 . Ashok Nagar	2,943	5,007	133	8,083	5,665	3,921	129	9,715	8,608	8,928	262	17,798
5 . Badwani	15,493	7,064	2,220	24,777	11,499	4,654	772	16,925	26,992	11,718	2,992	41,702
6 . Balaghat	14,639	10,164	832	25,635	4,838	2,695	84	7,617	19,477	12,859	916	33,252
7 . Betul	11,721	4,653	598	16,972	13,671	4,522	972	19,165	25,392	9,175	1,570	36,137
8 . Bhind	8,552	4,184	14	12,750	18,344	5,575	65	23,984	26,896	9,759	79	36,734
9 . Bhopal	7,303	4,902	228	12,433	13,221	3,875	175	17,271	20,524	8,777	403	29,704
10 . Burhanpur	9,976	4,395	6,704	21,075	9,466	4,828	3,855	18,149	19,442	9,223	10,559	39,224
11 . Chhatarpur	5,829	5,458	55	11,342	10,338	4,237	32	14,607	16,167	9,695	87	25,949
12 . Chhindwara	26,208	11,481	3,088	40,777	21,108	6,486	834	28,428	47,316	17,967	3,922	69,205
13 . Damoh	4,419	3,338	25	7,782	6,930	3,893	63	10,886	11,349	7,231	88	18,668
14 . Datia	6,388	981	28	7,397	18,482	1,731	52	20,265	24,870	2,712	80	27,662

(Continued)

**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P<sub>2</sub>O<sub>5</sub> AND K<sub>2</sub>O  
2015-16(April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total
<b>IV. West Zone (Continued)</b>												
<b>Madhya Pradesh (Concluded)</b>												
15 . Dewas	16,754	13,554	2,348	32,656	20,181	9,144	1,685	31,010	36,935	22,698	4,033	63,666
16 . Dhar	35,590	21,397	3,583	60,570	31,279	12,401	1,820	45,500	66,869	33,798	5,403	1,06,070
17 . Dindhori	1,613	721	5	2,339	252	131	4	387	1,865	852	9	2,726
18 . Guna	6,801	5,907	142	12,850	14,439	5,012	75	19,526	21,240	10,919	217	32,376
19 . Gwalior	9,914	4,037	82	14,033	19,199	4,748	261	24,208	29,113	8,785	343	38,241
20 . Harda	11,104	8,572	867	20,543	16,297	5,944	868	23,109	27,401	14,516	1,735	43,652
21 . Hoshangabad	21,345	14,954	845	37,144	38,155	12,408	660	51,223	59,500	27,362	1,505	88,367
22 . Indore	18,663	16,827	3,877	39,367	20,774	11,648	2,337	34,759	39,437	28,475	6,214	74,126
23 . Jabalpur	13,319	5,038	610	18,967	25,687	9,506	537	35,730	39,006	14,544	1,147	54,697
24 . Jhabua	11,903	4,075	696	16,674	6,296	1,093	200	7,589	18,199	5,168	896	24,263
25 . Katni	7,406	2,669	62	10,137	11,392	6,054	62	17,508	18,798	8,723	124	27,645
26 . Khandawa	15,206	8,588	1,278	25,072	12,849	6,641	1,221	20,711	28,055	15,229	2,499	45,783
27 . Khargone	34,957	19,091	5,857	59,905	21,959	8,538	2,582	33,079	56,916	27,629	8,439	92,984
28 . Mandala	6,047	1,984	90	8,121	3,633	1,089	34	4,756	9,680	3,073	124	12,877
29 . Mandsaur	19,520	10,856	2,915	33,291	12,871	4,640	1,302	18,813	32,391	15,496	4,217	52,104
30 . Morena	13,021	4,099	33	17,153	21,363	4,997	205	26,565	34,384	9,096	238	43,718
31 . Narsinghpur	8,592	3,400	394	12,386	16,163	6,619	1,185	23,967	24,755	10,019	1,579	36,353
32 . Nimuch	8,270	5,655	1,332	15,257	6,962	2,110	1,250	10,322	15,232	7,765	2,582	25,579
33 . Panna	2,298	1,767	3	4,068	4,222	2,972	7	7,201	6,520	4,739	10	11,269
34 . Raisen	16,632	13,925	403	30,960	20,821	7,698	259	28,778	37,453	21,623	662	59,738
35 . Rajgarh	17,991	16,177	501	34,669	14,535	8,604	952	24,091	32,526	24,781	1,453	58,760
36 . Ratlam	18,708	10,835	2,050	31,593	17,370	9,674	2,265	29,309	36,078	20,509	4,315	60,902
37 . Rewa	9,389	6,241	28	15,658	10,338	3,623	48	14,009	19,727	9,864	76	29,667
38 . Sagar	5,590	8,529	355	14,474	12,795	8,206	478	21,479	18,385	16,735	833	35,953
39 . Satna	8,543	5,296	154	13,993	16,256	7,904	66	24,226	24,799	13,200	220	38,219
40 . Sehore	17,827	15,213	396	33,436	28,172	13,099	712	41,983	45,999	28,312	1,108	75,419
41 . Seoni	15,626	6,699	314	22,639	12,734	4,836	288	17,858	28,360	11,535	602	40,497
42 . Shahdol	3,056	1,782	33	4,871	2,059	1,073	30	3,162	5,115	2,855	63	8,033
43 . Shajapur	10,139	12,306	1,085	23,530	12,269	12,141	1,677	26,087	22,408	24,447	2,762	49,617
44 . Sheopurkala	5,859	3,414	73	9,346	9,207	2,225	14	11,446	15,066	5,639	87	20,792
45 . Shivpuri	6,439	8,097	184	14,720	12,500	5,411	186	18,097	18,939	13,508	370	32,817
46 . Sidhi	1,565	1,240	2	2,807	2,181	855	16	3,052	3,746	2,095	18	5,859
47 . Singaroli	1,520	1,048	-	2,568	1,696	669	-	2,365	3,216	1,717	-	4,933
48 . Tikamgarh	2,603	2,581	1	5,185	6,581	2,109	7	8,697	9,184	4,690	8	13,882
49 . Ujjain	21,047	22,721	3,714	47,482	26,810	16,146	2,309	45,265	47,857	38,867	6,023	92,747
50 . Umaria	1,128	638	5	1,771	1,390	901	19	2,310	2,518	1,539	24	4,081
51 . Vidisha	8,935	11,327	293	20,555	17,771	8,241	41	26,053	26,706	19,568	334	46,608
<b>Total</b>	<b>5,60,634</b>	<b>3,69,991</b>	<b>49,152</b>	<b>9,79,777</b>	<b>6,72,779</b>	<b>2,80,203</b>	<b>32,972</b>	<b>9,85,954</b>	<b>12,33,413</b>	<b>6,50,194</b>	<b>82,124</b>	<b>19,65,731</b>

(Continued)

**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P<sub>2</sub>O<sub>5</sub> AND K<sub>2</sub>O  
2015-16 (April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total
<b>IV. West Zone (Continued)</b>												
<b>Chhattisgarh</b>												
1 . Balod	15,544	8,765	2,996	27,305	6,055	4,067	1,182	11,304	21,599	12,832	4,178	38,609
2 . Balodabazar	19,586	7,660	1,758	29,004	3,058	2,340	739	6,137	22,644	10,000	2,497	35,141
3 . Balrampur	2,603	2,375	519	5,497	787	821	384	1,992	3,390	3,196	903	7,489
4 . Bemetara	14,368	8,057	2,418	24,843	7,400	5,467	1,249	14,116	21,768	13,524	3,667	38,959
5 . Bijapur	605	420	36	1,061	5	2	-	7	610	422	36	1,068
6 . Bilaspur	21,750	6,000	1,442	29,192	4,843	2,572	1,008	8,423	26,593	8,572	2,450	37,615
7 . Dantewara	45	27	4	76	15	15	3	33	60	42	7	109
8 . Dhamtari	12,919	5,475	1,672	20,066	10,083	5,982	1,462	17,527	23,002	11,457	3,134	37,593
9 . Durg	20,483	5,949	3,571	30,003	4,447	4,123	1,181	9,751	24,930	10,072	4,752	39,754
10 . Gariyaband	15,532	4,473	2,444	22,449	5,025	3,235	920	9,180	20,557	7,708	3,364	31,629
11 . Jagdalpur	3,461	2,067	828	6,356	1,707	1,438	423	3,568	5,168	3,505	1,251	9,924
12 . Janjgir	20,923	10,607	1,596	33,126	1,339	1,204	308	2,851	22,262	11,811	1,904	35,977
13 . Jashpur Nagar	3,312	1,403	357	5,072	564	888	147	1,599	3,876	2,291	504	6,671
14 . Kabirdham	11,876	7,615	1,775	21,266	5,590	4,102	733	10,425	17,466	11,717	2,508	31,691
15 . Kanker	4,970	3,716	1,345	10,031	4,097	2,557	1,122	7,776	9,067	6,273	2,467	17,807
16 . Kondagaon	2,735	2,002	858	5,595	1,363	574	151	2,088	4,098	2,576	1,009	7,683
17 . Korba	4,218	2,673	766	7,657	696	351	78	1,125	4,914	3,024	844	8,782
18 . Koriam	7,139	2,533	778	10,450	1,863	780	269	2,912	9,002	3,313	1,047	13,362
19 . Mahasamund	18,314	6,764	2,866	27,944	8,937	3,830	1,088	13,855	27,251	10,594	3,954	41,799
20 . Mungeli	15,023	3,771	1,288	20,082	1,683	1,677	697	4,057	16,706	5,448	1,985	24,139
21 . Narayanpur	368	382	276	1,026	10	6	3	19	378	388	279	1,045
22 . Raigarh	20,275	8,036	1,976	30,287	6,882	4,071	1,180	12,133	27,157	12,107	3,156	42,420
23 . Raipur	27,680	9,056	2,286	39,022	6,073	3,154	1,187	10,414	33,753	12,210	3,473	49,436
24 . Rajnandgaon	19,877	11,776	3,369	35,022	8,524	5,887	1,677	16,088	28,401	17,663	5,046	51,110
25 . Sarguja	8,499	3,028	1,141	12,668	2,034	2,037	504	4,575	10,533	5,065	1,645	17,243
26 . Sukma	299	200	85	584	18	9	7	34	317	209	92	618
27 . Surajpur	4,384	2,795	662	7,841	896	928	299	2,123	5,280	3,723	961	9,964
<b>Total</b>	<b>2,96,788</b>	<b>1,27,625</b>	<b>39,112</b>	<b>4,63,525</b>	<b>93,994</b>	<b>62,117</b>	<b>18,001</b>	<b>1,74,112</b>	<b>3,90,782</b>	<b>1,89,742</b>	<b>57,113</b>	<b>6,37,637</b>
<b>Maharashtra</b>												
1 . Ahmednagar	39,617	20,147	10,787	70,551	30,643	28,049	16,712	75,404	70,260	48,196	27,499	1,45,955
2 . Akola	16,201	12,220	4,021	32,442	10,036	11,279	4,369	25,684	26,237	23,499	8,390	58,126
3 . Amravati	25,493	18,479	8,574	52,546	16,283	13,394	5,348	35,025	41,776	31,873	13,922	87,571
4 . Aurangabad	53,678	21,149	12,380	87,207	37,843	26,293	14,124	78,260	91,521	47,442	26,504	1,65,467
5 . Beed	26,159	13,904	6,014	46,077	16,389	14,596	5,373	36,358	42,548	28,500	11,387	82,435
6 . Bhandara	16,304	6,851	781	23,936	8,594	5,165	417	14,176	24,898	12,016	1,198	38,112

(Continued)

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**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P<sub>2</sub>O<sub>5</sub> AND K<sub>2</sub>O  
2015-16 (April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total
<b>IV. West Zone (Continued)</b>												
<b>Maharashtra (Concluded)</b>												
7 . Buldhana	29,716	14,404	2,929	47,049	22,385	24,230	7,596	54,211	52,101	38,634	10,525	1,01,260
8 . Chandrapur	30,271	12,747	3,160	46,178	8,455	6,636	1,389	16,480	38,726	19,383	4,549	62,658
9 . Dhule	25,484	9,088	8,475	43,047	14,396	8,512	6,637	29,545	39,880	17,600	15,112	72,592
10 . Gadchiroli	13,645	3,842	876	18,363	6,778	4,806	1,152	12,736	20,423	8,648	2,028	31,099
11 . Gondia	14,710	5,085	657	20,452	6,490	4,183	349	11,022	21,200	9,268	1,006	31,474
12 . Hingoli	10,612	8,725	2,933	22,270	6,905	7,404	2,769	17,078	17,517	16,129	5,702	39,348
13 . Jalgaon	67,513	26,348	33,872	1,27,733	32,112	20,488	25,769	78,369	99,625	46,836	59,641	2,06,102
14 . Jalna	35,103	17,875	4,691	57,669	23,265	14,419	6,220	43,904	58,368	32,294	10,911	1,01,573
15 . Kolhapur	36,290	13,728	10,163	60,181	32,011	16,921	14,424	63,356	68,301	30,649	24,587	1,23,537
16 . Latur	15,038	13,048	2,456	30,542	8,798	11,952	2,683	23,433	23,836	25,000	5,139	53,975
17 . Nagpur	30,787	19,483	6,929	57,199	22,160	12,409	2,321	36,890	52,947	31,892	9,250	94,089
18 . Nanded	45,622	24,208	6,443	76,273	44,308	36,270	12,312	92,890	89,930	60,478	18,755	1,69,163
19 . Nandurbar	22,353	6,861	7,383	36,597	16,216	6,561	5,614	28,391	38,569	13,422	12,997	64,988
20 . Nasik	46,835	23,968	11,001	81,804	34,075	26,470	13,207	73,752	80,910	50,438	24,208	1,55,556
21 . Osmanabad	10,014	8,393	2,887	21,294	3,358	3,784	1,549	8,691	13,372	12,177	4,436	29,985
22 . Palghar	-	-	-	-	3,188	625	632	4,445	3,188	625	632	4,445
23 . Parbhani	19,371	10,246	4,129	33,746	10,701	9,914	4,210	24,825	30,072	20,160	8,339	58,571
24 . Pune	40,465	18,114	11,268	69,847	44,257	29,894	17,105	91,256	84,722	48,008	28,373	1,61,103
25 . Raigad	10,007	1,338	923	12,268	2,712	651	489	3,852	12,719	1,989	1,412	16,120
26 . Ratnagiri	5,983	1,098	974	8,055	1,971	1,266	649	3,886	7,954	2,364	1,623	11,941
27 . Sangli	23,841	12,220	8,777	44,838	23,163	14,472	11,388	49,023	47,004	26,692	20,165	93,861
28 . Satara	23,389	12,137	7,210	42,736	21,694	10,878	8,827	41,399	45,083	23,015	16,037	84,135
29 . Sindhudurg	4,426	1,410	1,080	6,916	985	440	248	1,673	5,411	1,850	1,328	8,589
30 . Solapur	35,174	14,365	9,838	59,377	26,131	15,212	12,144	53,487	61,305	29,577	21,982	1,12,864
31 . Thane	13,658	894	656	15,208	2,045	1,061	555	3,661	15,703	1,955	1,211	18,869
32 . Wardha	26,772	17,059	7,262	51,093	10,019	9,504	5,440	24,963	36,791	26,563	12,702	76,056
33 . Washim	11,362	7,914	1,772	21,048	8,567	9,191	2,074	19,832	19,929	17,105	3,846	40,880
34 . Yeotmal	40,737	17,829	9,501	68,067	27,254	19,627	7,136	54,017	67,991	37,456	16,637	1,22,084
<b>Total</b>	<b>8,66,630</b>	<b>4,15,177</b>	<b>2,10,802</b>	<b>14,92,609</b>	<b>5,84,187</b>	<b>4,26,556</b>	<b>2,21,231</b>	<b>12,31,974</b>	<b>14,50,817</b>	<b>8,41,733</b>	<b>4,32,033</b>	<b>27,24,583</b>
<b>Rajasthan</b>												
1 . Ajmer	8,668	6,979	158	15,806	7,754	3,311	46	11,110	16,422	10,290	204	26,916
2 . Alwar	22,319	15,606	970	38,896	31,949	6,574	182	38,706	54,269	22,181	1,153	77,602
3 . Banswara	14,407	3,110	130	17,647	10,113	1,895	304	12,312	24,519	5,005	434	29,958

(Continued)

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**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P<sub>2</sub>O<sub>5</sub> AND K<sub>2</sub>O  
2015-16 (April-March) (Concluded)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total
<b>IV. West Zone (Concluded)</b>												
<b>Rajasthan (Concluded)</b>												
4. Baran	24,857	17,705	152	42,715	33,553	10,821	263	44,638	58,410	28,527	415	87,352
5. Barmer	4,114	1,481	50	5,645	10,004	971	151	11,126	14,118	2,453	201	16,771
6. Bharatpur	19,861	11,970	138	31,969	33,899	5,346	58	39,303	53,760	17,317	195	71,272
7. Bhilwara	15,224	6,728	251	22,203	12,077	3,780	186	16,042	27,301	10,508	437	38,245
8. Bikaner	15,630	8,627	84	24,341	22,638	7,118	27	29,784	38,268	15,745	111	54,125
9. Bundi	19,797	12,135	123	32,054	25,231	6,319	134	31,684	45,028	18,453	257	63,738
10. Chittorgarh	16,436	11,147	254	27,837	18,880	8,481	464	27,825	35,316	19,627	719	55,662
11. Churu	5,081	1,348	28	6,457	5,539	1,866	6	7,411	10,620	3,213	35	13,868
12. Dausa	12,945	6,442	187	19,575	13,636	2,201	89	15,926	26,581	8,643	187	35,412
13. Dholpur	11,241	6,297	166	17,704	15,190	1,294	91	16,575	26,431	7,591	257	34,278
14. Dungarpur	3,422	909	14	4,346	4,964	503	106	5,573	8,386	1,412	120	9,919
15. Hanumangarh	24,240	15,158	355	39,752	40,163	10,408	339	50,910	64,403	25,566	693	90,663
16. Jaipur	25,298	15,122	1,965	42,385	24,100	7,842	385	32,327	49,398	22,964	385	72,747
17. Jaisalmer	3,178	2,475	-	5,653	8,374	1,516	46	9,937	11,552	3,991	46	15,589
18. Jalore	12,264	3,702	455	16,421	21,963	2,040	521	24,523	34,227	5,742	975	40,944
19. Jhalawar	17,788	13,058	159	31,005	21,608	9,818	163	31,590	39,396	22,877	322	62,595
20. Jhunjhunu	6,957	1,564	18	8,539	12,322	1,029	56	13,407	19,279	2,593	74	21,946
21. Jodhpur	18,306	10,626	167	29,099	18,449	7,215	404	26,067	36,755	17,841	571	55,167
22. Karauli	8,657	5,807	33	14,496	35,493	2,584	4	38,081	44,150	8,391	37	52,578
23. Kota	23,105	22,911	334	46,350	29,212	12,739	743	42,695	52,317	35,650	1,078	89,045
24. Nagaur	20,246	11,903	177	32,326	16,704	7,787	352	24,843	36,950	19,690	529	57,169
25. Pali	6,849	6,166	188	13,202	9,168	2,208	88	11,464	16,017	8,373	276	24,666
26. Pratapgarh	10,031	6,501	416	16,947	11,244	4,659	516	16,419	21,274	11,160	932	33,366
27. Rajsamand	2,964	1,338	95	4,397	3,976	854	52	4,882	6,940	2,191	147	9,279
28. S. Madhopur	14,045	9,004	270	23,319	17,905	4,338	36	22,279	31,950	13,343	305	45,597
29. Sikar	9,254	3,577	172	13,004	10,241	2,546	144	12,932	19,495	6,124	317	25,935
30. Sirohi	4,757	2,503	161	7,422	9,733	1,638	223	11,593	14,491	4,141	384	19,015
31. Sriganganagar	32,844	23,391	512	56,747	41,582	13,456	301	55,339	74,426	36,846	813	1,12,086
32. Tonk	12,329	9,764	267	22,359	15,140	4,048	108	19,295	27,469	13,812	374	41,655
33. Udaipur	13,266	6,642	1,937	21,845	15,717	4,478	1,379	21,574	28,983	11,120	3,316	43,419
<b>Total</b>	<b>4,60,380</b>	<b>2,81,697</b>	<b>10,387</b>	<b>7,52,464</b>	<b>6,08,520</b>	<b>1,61,682</b>	<b>7,968</b>	<b>7,78,170</b>	<b>10,68,901</b>	<b>4,43,378</b>	<b>18,355</b>	<b>15,30,634</b>

Note: Aggregates of districts may not exactly tally with the state totals in case of some states/UTs shown in Table 6.01 (b) due to difference in source.

6.17 CLASSIFICATION OF DISTRICTS ACCORDING TO THE PERCENTAGE SHARE OF TOTAL AND PER HECTARE CONSUMPTION OF PLANT NUTRIENTS (N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O) - 2015-16						
% share to All-India consumption	Cumulative consumption (tonnes) (N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O)	Ranking of districts	District	State	Consumption (N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O)	
					Tonnes	Kg/ha
		1	West Godavari	Andhra Pradesh	2,64,345	382.6
		2	Guntur	Andhra Pradesh	2,32,344	286.8
		3	Kurnool	Andhra Pradesh	2,26,793	638.9
		4	Karimnagar	Telangana	2,12,100	303.2
		5	Jalgaon	Maharashtra	2,06,102	233.6
		6	Ludhiana	Punjab	1,98,429	341.9
		7	Nalgonda	Telangana	1,86,398	255.4
		8	Warangal	Telangana	1,82,214	305.7
		9	Bardhaman	West Bengal	1,80,268	227.2
		10	Nanded	Maharashtra	1,69,163	183.6
		11	Krishna	Andhra Pradesh	1,66,014	245.2
		12	Aurangabad	Maharashtra	1,65,467	178.9
		13	Nellore	Andhra Pradesh	1,64,140	416.6
		14	Belgaum	Karnataka	1,62,671	158.7
<b>10</b>	<b>27,16,448</b>		<b>(14)</b>		<b>27,16,448</b>	
		15	East Godavari	Andhra Pradesh	1,61,378	235.9
		16	Pune	Maharashtra	1,61,103	195.0
		17	Patiala	Punjab	1,57,343	310.0
		18	Nasik	Maharashtra	1,55,556	144.8
		19	Hooghly	West Bengal	1,51,298	284.0
		20	West Midnapore	West Bengal	1,50,093	159.6
		21	Mahaboobnagar	Telangana	1,49,617	152.9
		22	Ahmednagar	Maharashtra	1,45,955	98.4
		23	Bellary	Karnataka	1,45,485	265.1
<b>15</b>	<b>40,94,276</b>		<b>(9)</b>		<b>13,77,828</b>	
		24	Lakhimpur Kheri	Uttar Pradesh	1,44,804	202.1
		25	U.S. Nagar	Uttarakhand	1,42,758	547.9
		26	Raichur	Karnataka	1,42,491	251.9
		27	Banaskantha	Gujarat	1,42,306	117.9
		28	Murshidabad	West Bengal	1,40,172	148.8
		29	Adilabad	Telangana	1,39,355	231.9
		30	Sangrur	Punjab	1,37,885	222.2
		31	Khammam	Telangana	1,37,391	303.4
		32	Rajkot	Gujarat	1,35,028	172.4
<b>20</b>	<b>53,56,466</b>		<b>(9)</b>		<b>12,62,190</b>	
		33	Ferozepur	Punjab	1,34,456	151.4
		34	Kolhapur	Maharashtra	1,23,537	227.2
		35	Jalpaiguri	West Bengal	1,23,076	285.9
		36	Yeotmal	Maharashtra	1,22,084	117.2
		37	Sirsa	Haryana	1,20,327	174.4
		38	Gurdaspur	Punjab	1,20,191	241.6
		39	Amritsar	Punjab	1,18,824	284.0
		40	Sitapur	Uttar Pradesh	1,18,267	181.0
		41	Bathinda	Punjab	1,18,000	211.7
		42	Nizamabad	Telangana	1,16,644	259.4
		43	Karnal	Haryana	1,16,128	298.5
		44	North Dinajpur	West Bengal	1,15,745	238.5
<b>25</b>	<b>68,03,744</b>		<b>(12)</b>		<b>14,47,279</b>	

(Continued)

6.17 CLASSIFICATION OF DISTRICTS ACCORDING TO THE PERCENTAGE SHARE OF TOTAL AND PER HECTARE CONSUMPTION OF PLANT NUTRIENTS (N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O) - 2015-16 (Continued)						
% share to All-India consumption	Cumulative consumption (tonnes) (N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O)	Ranking of districts	District	State	Consumption (N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O)	
					Tonnes	Kg/ha
		45	Jalandhar	Punjab	1,13,293	280.7
		46	Prakasam	Andhra Pradesh	1,13,206	187.1
		47	Moga	Punjab	1,13,039	293.9
		48	Solapur	Maharashtra	1,12,864	91.4
		49	Sriganganagar	Rajasthan	1,12,086	89.0
		50	Hardoi	Uttar Pradesh	1,10,832	166.7
		51	Shri Muktsar Saheb	Punjab	1,09,455	241.9
		52	Dhar	Madhya Pradesh	1,06,070	130.2
		53	Sabarkantha	Gujarat	1,04,407	168.3
		54	Malda	West Bengal	1,04,136	215.7
		55	Villupuram	Tamil Nadu	1,03,792	218.4
		56	Jind	Haryana	1,03,758	220.8
<b>30</b>	<b>81,10,682</b>		<b>(12)</b>		<b>13,06,937</b>	
		57	Shahjahanpur	Uttar Pradesh	1,03,160	172.1
		58	Purnea	Bihar	1,02,930	400.8
		59	Jalna	Maharashtra	1,01,573	117.8
		60	Nadia	West Bengal	1,01,365	141.4
		61	Buldhana	Maharashtra	1,01,260	109.0
		62	Badaun	Uttar Pradesh	1,01,157	171.8
		63	Davanagere	Karnataka	1,00,818	209.7
		64	Medak	Telangana	98,882	178.9
		65	Bijnor	Uttar Pradesh	96,021	222.1
		66	Surendranagar	Gujarat	95,635	104.7
		67	Nagpur	Maharashtra	94,089	129.4
		68	Sangli	Maharashtra	93,861	161.7
		69	Rangareddy	Telangana	93,621	366.7
<b>35</b>	<b>93,95,053</b>		<b>(13)</b>		<b>12,84,371</b>	
		70	Khargone	Madhya Pradesh	92,984	165.8
		71	Ujjain	Madhya Pradesh	92,747	110.2
		72	Bareilly	Uttar Pradesh	92,076	169.6
		73	Fatehabad	Haryana	91,772	221.1
		74	Kaithal	Haryana	91,335	240.4
		75	Hanumangarh	Rajasthan	90,663	72.7
		76	Taran Taran	Punjab	89,668	226.9
		77	Kota	Rajasthan	89,045	207.8
		78	Aligarh	Uttar Pradesh	88,574	165.3
		79	Kurukshetra	Haryana	88,534	313.9
		80	Hoshangabad	Madhya Pradesh	88,367	143.7
		81	Amravati	Maharashtra	87,571	99.0
		82	Baran	Rajasthan	87,352	175.2
		83	Anantapur	Andhra Pradesh	85,816	86.0
		84	East Midnapore	West Bengal	84,223	167.9
<b>40</b>	<b>107,35,780</b>		<b>(15)</b>		<b>13,40,727</b>	

(Continued)

6.17 CLASSIFICATION OF DISTRICTS ACCORDING TO THE PERCENTAGE SHARE OF TOTAL AND PER HECTARE CONSUMPTION OF PLANT NUTRIENTS (N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O) - 2015-16 (Continued)						
% share to All-India consumption	Cumulative consumption (tonnes) (N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O)	Ranking of districts	District	State	Consumption (N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O)	
					Tonnes	Kg/ha
		85	Satara	Maharashtra	84,135	113.8
		86	Hisar	Haryana	83,954	138.5
		87	E.Champaran	Bihar	83,824	214.7
		88	Bankura	West Bengal	83,764	178.8
		89	Bahraich	Uttar Pradesh	83,448	168.3
		90	Surat	Gujarat	83,099	345.5
		91	Bhavnagar	Gujarat	82,897	135.3
		92	Birbhum	West Bengal	82,760	148.6
		93	Beed	Maharashtra	82,435	75.3
		94	Mandya	Karnataka	82,068	301.8
		95	Kheda	Gujarat	81,966	173.9
		96	Ahmedabad	Gujarat	80,962	117.0
		97	Hoshiarpur	Punjab	80,795	236.1
		98	Azamgarh	Uttar Pradesh	80,244	158.6
		99	Hassan	Karnataka	79,794	177.5
		100	North 24-Parganas	West Bengal	79,554	163.8
<b>45</b>	<b>120,51,479</b>		<b>(16)</b>		<b>13,15,700</b>	
		101	Chickmagalur	Karnataka	79,552	222.4
		102	Gonda	Uttar Pradesh	79,435	173.1
		103	Jhansi	Uttar Pradesh	78,129	165.8
		104	Vadodara	Gujarat	77,854	142.3
		105	Alwar	Rajasthan	77,602	93.3
		106	Koppal	Karnataka	77,581	155.0
		107	Lalitpur	Uttar Pradesh	77,063	147.6
		108	Rohtas	Bihar	77,050	240.6
		109	Muzaffarnagar	Uttar Pradesh	76,308	200.2
		110	Wardha	Maharashtra	76,056	159.6
		111	Kadapa	Andhra Pradesh	75,943	80.6
		112	Mansa	Punjab	75,766	206.9
		113	Sehore	Madhya Pradesh	75,419	107.5
		114	Sonepat	Haryana	75,260	250.9
		115	Saharanpur	Uttar Pradesh	75,157	181.0
		116	Barabanki	Uttar Pradesh	75,136	150.7
		117	Jaunpur	Uttar Pradesh	74,920	159.3
		118	Bulandshahar	Uttar Pradesh	74,901	143.7
<b>50</b>	<b>134,30,610</b>		<b>(18)</b>		<b>13,79,131</b>	
		119	Mysore	Karnataka	74,767	153.6
		120	Anand	Gujarat	74,748	184.2
		121	W.Champaran	Bihar	74,607	186.6
		122	Indore	Madhya Pradesh	74,126	172.3
		123	Bagalkote	Karnataka	73,747	129.5
		124	Yamuna Nagar	Haryana	73,053	335.1
		125	South Dinajpur	West Bengal	72,849	218.8
		126	Jaipur	Rajasthan	72,747	71.2
		127	Dhule	Maharashtra	72,592	127.0
		128	Unnao	Uttar Pradesh	71,903	150.2
		129	Bharatpur	Rajasthan	71,272	125.9
		130	Allahabad	Uttar Pradesh	70,428	147.4
		131	Fatehpur	Uttar Pradesh	70,379	173.7
		132	Pilibhit	Uttar Pradesh	69,823	177.1

(Continued)

6.17 CLASSIFICATION OF DISTRICTS ACCORDING TO THE PERCENTAGE SHARE OF TOTAL AND PER HECTARE CONSUMPTION OF PLANT NUTRIENTS (N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O) - 2015-16 (Continued)						
% share to All-India consumption	Cumulative consumption (tonnes) (N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O)	Ranking of districts	District	State	Consumption (N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O)	
					Tonnes	Kg/ha
		133	Haveri	Karnataka	69,490	162.1
		134	Nalanda	Bihar	69,381	314.6
		135	Junagadh	Gujarat	69,269	127.9
		136	Chhindwara	Madhya Pradesh	69,205	88.5
<b>55</b>	<b>147,24,997</b>		<b>(18)</b>		<b>12,94,387</b>	
		137	Begusarai	Bihar	68,037	452.4
		138	Agra	Uttar Pradesh	67,570	159.1
		139	Chittoor	Andhra Pradesh	67,508	178.1
		140	Yadgiri	Karnataka	67,113	179.6
		141	Katihar	Bihar	66,425	255.9
		142	Kapurthala	Punjab	66,385	262.7
		143	Kasganj	Uttar Pradesh	66,322	269.7
		144	Erode	Tamil Nadu	65,955	330.9
		145	Tiruchirappalli	Tamil Nadu	65,938	369.2
		146	Kushinagar	Uttar Pradesh	65,910	190.0
		147	Barnala	Punjab	65,468	264.1
		148	Samastipur	Bihar	65,466	218.4
		149	Faridkot	Punjab	65,463	257.9
		150	Salem	Tamil Nadu	65,143	213.5
		151	Nandurbar	Maharashtra	64,988	188.9
		152	Tiruvannamalai	Tamil Nadu	64,886	254.1
		153	Bhiwani	Haryana	64,636	90.4
		154	Vaishali	Bihar	64,575	330.1
		155	Mathura	Uttar Pradesh	64,427	162.6
		156	Patna	Bihar	63,976	281.7
		157	Bundi	Rajasthan	63,738	141.9
<b>60</b>	<b>161,04,927</b>		<b>(21)</b>		<b>13,79,930</b>	
		158	Cuddalore	Tamil Nadu	63,669	191.6
		159	Dewas	Madhya Pradesh	63,666	94.5
		160	Araria	Bihar	63,218	235.1
		161	Chandrapur	Maharashtra	62,658	121.2
		162	Jhalawar	Rajasthan	62,595	107.7
		163	Mujaffarpur	Bihar	62,445	189.5
		164	Banda	Uttar Pradesh	62,293	142.7
		165	Thanjavur	Tamil Nadu	61,981	228.9
		166	Shimoga	Karnataka	61,594	233.2
		167	Vellore	Tamil Nadu	61,170	302.3
		168	Bijapur	Karnataka	61,146	66.8
		169	Gulbarga	Karnataka	61,121	58.3
		170	Ghazipur	Uttar Pradesh	60,996	148.8
		171	Ratlam	Madhya Pradesh	60,902	122.0
		172	South 24-Parganas	West Bengal	60,893	121.7
		173	Kutch	Gujarat	60,485	85.0
		174	Panipat	Haryana	60,134	316.5

(Continued)

6.17 CLASSIFICATION OF DISTRICTS ACCORDING TO THE PERCENTAGE SHARE OF TOTAL AND PER HECTARE CONSUMPTION OF PLANT NUTRIENTS (N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O) - 2015-16 (Continued)						
% share to All-India consumption	Cumulative consumption (tonnes) (N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O)	Ranking of districts	District	State	Consumption (N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O)	
					Tonnes	Kg/ha
		175	Raisen	Madhya Pradesh	59,738	87.9
		176	Khagaria	Bihar	59,632	452.6
		177	Palwal	Haryana	59,045	310.8
		178	Balrampur	Uttar Pradesh	58,846	189.0
<b>65</b>	<b>173,93,154</b>		<b>(21)</b>		<b>12,88,227</b>	
		179	Rajgarh	Madhya Pradesh	58,760	77.9
		180	Meerut	Uttar Pradesh	58,694	194.8
		181	Parbhani	Maharashtra	58,571	84.0
		182	Rampur	Uttar Pradesh	58,328	156.2
		183	Akola	Maharashtra	58,126	110.5
		184	Amreli	Gujarat	57,778	111.2
		185	Nagaur	Rajasthan	57,169	39.0
		186	Fatehgarh Sahib	Punjab	57,009	297.6
		187	Srikakulam	Andhra Pradesh	56,598	135.1
		188	Mahrajganj	Uttar Pradesh	56,491	157.0
		189	Gorakhpur	Uttar Pradesh	55,963	148.2
		190	Chittorgarh	Rajasthan	55,662	110.7
		191	Sambhal	Uttar Pradesh	55,468	166.6
		192	Mehsana	Gujarat	55,289	104.0
		193	Jodhpur	Rajasthan	55,167	36.9
		194	Hamirpur	Uttar Pradesh	54,788	154.6
		195	Jabalpur	Madhya Pradesh	54,697	124.8
		196	Bargarh	Odisha	54,577	104.3
		197	Jalaun	Uttar Pradesh	54,240	128.8
		198	Bikaner	Rajasthan	54,125	28.2
		199	Latur	Maharashtra	53,975	60.5
		200	Ambala	Haryana	53,801	256.2
		201	Moradabad	Uttar Pradesh	53,272	160.5
		202	Kodagu	Karnataka	53,005	277.9
<b>70</b>	<b>187,34,708</b>		<b>(24)</b>		<b>13,41,554</b>	
		203	Siddharthnagar	Uttar Pradesh	52,910	150.3
		204	Basti	Uttar Pradesh	52,594	183.6
		205	Ballia	Uttar Pradesh	52,590	150.5
		206	Karauli	Rajasthan	52,578	159.8
		207	Vizianagaram	Andhra Pradesh	52,254	140.1
		208	Mandsaur	Madhya Pradesh	52,104	98.9
		209	Jamnagar	Gujarat	51,953	110.1
		210	Bhagalpur	Bihar	51,373	313.0
		211	Rohtak	Haryana	51,272	227.9
		212	Rajnandgaon	Chhattisgarh	51,110	104.1
		213	Mainpuri	Uttar Pradesh	50,503	144.9
		214	Bhojpur	Bihar	49,956	212.8
		215	Amethi	Uttar Pradesh	49,779	167.3
		216	Shajapur	Madhya Pradesh	49,617	103.8
		217	Etah	Uttar Pradesh	49,461	163.4
		218	Raipur	Chhattisgarh	49,436	228.0
		219	Deoria	Uttar Pradesh	49,170	157.1
		220	Coimbatore	Tamil Nadu	49,111	278.3
		221	Faizabad	Uttar Pradesh	48,790	178.5
		222	Pratapgarh	Uttar Pradesh	48,685	160.3
		223	Gaya	Bihar	48,443	237.8
		224	Dharwad	Karnataka	48,299	104.2

(Continued)

6.17 CLASSIFICATION OF DISTRICTS ACCORDING TO THE PERCENTAGE SHARE OF TOTAL AND PER HECTARE CONSUMPTION OF PLANT NUTRIENTS (N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O) - 2015-16 (Continued)						
% share to All-India consumption	Cumulative consumption (tonnes) (N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O)	Ranking of districts	District	State	Consumption (N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O)	
					Tonnes	Kg/ha
		225	Sultanpur	Uttar Pradesh	48,276	177.4
		226	Mahoba	Uttar Pradesh	47,947	153.2
		227	Madhepura	Bihar	47,062	323.4
		228	Coochbehar	West Bengal	46,958	91.6
		229	Vidisha	Madhya Pradesh	46,608	49.5
<b>75</b>	<b>200,83,547</b>		<b>(27)</b>		<b>13,48,839</b>	
		230	Tumkur	Karnataka	46,251	77.1
		231	S B S Nagar	Punjab	46,162	257.3
		232	Khandawa	Madhya Pradesh	45,783	100.8
		233	Mahendragarh	Haryana	45,655	170.4
		234	S. Madhopur	Rajasthan	45,597	119.5
		235	Saran	Bihar	45,375	196.6
		236	Darbhanga	Bihar	45,287	211.9
		237	Chitradurga	Karnataka	45,011	90.2
		238	Hathras	Uttar Pradesh	44,991	186.9
		239	Tiruvarur	Tamil Nadu	44,822	137.0
		240	Kanpur (Dehat)	Uttar Pradesh	44,673	151.2
		241	Tirunelveli	Tamil Nadu	44,633	230.2
		242	Ambedkar Nagar	Uttar Pradesh	44,050	156.9
		243	Amroha	Uttar Pradesh	43,949	168.3
		244	Morena	Madhya Pradesh	43,718	102.0
		245	Harda	Madhya Pradesh	43,652	117.5
		246	Rupnagar	Punjab	43,484	292.3
		247	Udaipur	Rajasthan	43,419	130.1
		248	Raebareli	Uttar Pradesh	43,384	153.4
		249	Raigarh	Chhattisgarh	42,420	101.8
		250	Mahasamund	Chhattisgarh	41,799	131.0
		251	Badwani	Madhya Pradesh	41,702	152.7
		252	Tonk	Rajasthan	41,655	67.6
		253	Aurangabad	Bihar	41,640	148.8
		254	Panchmahal	Gujarat	41,406	132.4
		255	Patan	Gujarat	41,361	73.3
		256	Jalore	Rajasthan	40,944	47.6
		257	Washim	Maharashtra	40,880	85.6
		258	Firozabad	Uttar Pradesh	40,705	139.1
		259	Seoni	Madhya Pradesh	40,497	76.6
		260	Mirzapur	Uttar Pradesh	40,237	156.6
<b>80</b>	<b>214,28,689</b>		<b>(31)</b>		<b>13,45,142</b>	
		261	Durg	Chhattisgarh	39,754	216.5
		262	Kanpur (Nagar)	Uttar Pradesh	39,388	150.1
		263	Hingoli	Maharashtra	39,348	77.8
		264	Ganjam	Odisha	39,277	67.8
		265	Burhanpur	Madhya Pradesh	39,224	313.0
		266	Sitamarhi	Bihar	39,074	195.2
		267	Bemetara	Chhattisgarh	38,959	114.4

(Continued)

6.17 CLASSIFICATION OF DISTRICTS ACCORDING TO THE PERCENTAGE SHARE OF TOTAL AND PER HECTARE CONSUMPTION OF PLANT NUTRIENTS (N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O) - 2015-16 (Concluded)						
% share to All-India consumption	Cumulative consumption (tonnes) (N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O)	Ranking of districts	District	State	Consumption (N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O)	
					Tonnes	Kg/ha
		268	Rewari	Haryana	38,737	200.7
		269	Balod	Chhattisgarh	38,609	153.3
		270	Bhilwara	Rajasthan	38,245	63.1
		271	Gwalior	Madhya Pradesh	38,241	128.4
		272	Satna	Madhya Pradesh	38,219	61.1
		273	Haridwar	Uttarakhand	38,151	227.0
		274	Bhandara	Maharashtra	38,112	160.8
		275	Madhubani	Bihar	37,618	112.2
		276	Bilaspur	Chhattisgarh	37,615	130.4
		277	Dhamtari	Chhattisgarh	37,593	166.6
		278	Madurai	Tamil Nadu	37,440	287.3
		279	Balasore	Odisha	37,378	114.1
		280	Buxar	Bihar	36,740	202.7
		281	Bhind	Madhya Pradesh	36,734	92.8
		282	Tiruvallur	Tamil Nadu	36,713	246.0
		283	Narsinghpur	Madhya Pradesh	36,353	76.2
		284	Nabarangapur	Odisha	36,202	143.6
		285	Betul	Madhya Pradesh	36,137	56.6
		286	Janjgir	Chhattisgarh	35,977	119.7
		287	Sagar	Madhya Pradesh	35,953	43.7
		288	Pudukottai	Tamil Nadu	35,417	298.4
		289	Dausa	Rajasthan	35,412	94.5
		290	Chandauli	Uttar Pradesh	35,164	148.1
		291	Balodabazar	Chhattisgarh	35,141	119.8
		292	Auraiya	Uttar Pradesh	35,117	146.9
		293	Supaul	Bihar	34,722	162.3
		294	Kannauj	Uttar Pradesh	34,319	157.6
		295	Bhabua	Bihar	34,318	154.4
		296	Dholpur	Rajasthan	34,278	144.4
<b>85</b>	<b>227,64,367</b>		<b>(36)</b>		<b>13,35,678</b>	



**6.18 CLASSIFICATION OF DISTRICTS ACCORDING TO RANGES OF FERTILISER CONSUMPTION @  
(N+P<sub>2</sub>O<sub>5</sub>+K<sub>2</sub>O) 2015-16 and 2014-15**

Zone/State	Cropped area# ('000 ha)		Irrigated area# ('000 ha)		Percentage of gross irrigated area to gross cropped area	No. of districts in the state	Ranges of fertiliser consumption (kg/ha) @									
	Gross	Net	Gross	Net			Above and upto									
							Above 200	150-200	100-150	75-100	50-75	25-50	10-25	5-10	Upto 5	
<b>East</b>																
Assam	4197	2811	160	161	4	26	-	-	2	7	8	8	1	-	-	
						(26)	(1)	-	(4)	(4)	(4)	(7)	(5)	(1)	-	
Bihar	7777	5402	5327	3053	68	38	20	11	6	1	-	-	-	-	-	
						(38)	(12)	(10)	(13)	(2)	(1)	-	-	-	-	
Jharkhand	1657	1406	235	210	14	24	1	3	1	5	2	7	2	3	-	
						(24)	(1)	-	(2)	(1)	(3)	(6)	(5)	(4)	(2)	
Odisha	5069	4386	1496	1248	30	30	-	-	4	1	10	14	1	-	-	
						(30)	-	(1)	(4)	-	(5)	(17)	(2)	(1)	-	
West Bengal	9678	5205	6105	3082	63	18	6	5	4	1	-	1	-	-	1	
						(18)	(3)	(5)	(7)	-	(1)	(1)	-	-	(1)	
<b>North</b>																
Haryana	6375	3513	5672	3102	89	21	14	4	2	1	-	-	-	-	-	
						(21)	(13)	(1)	(6)	(1)	-	-	-	-	-	
Himachal Pradesh	947	543	195	110	21	12	-	-	3	1	2	5	1	-	-	
						(12)	-	-	(3)	-	(3)	(5)	(1)	-	-	
Jammu & Kashmir	1162	745	487	325	42	22	2	4	3	3	5	4	1	-	-	
						(22)	-	(1)	(4)	(2)	(3)	(7)	(4)	(1)	-	
Punjab	7870	4150	7744	4115	98	20	19	1	-	-	-	-	-	-	-	
						(20)	(16)	(3)	(1)	-	-	-	-	-	-	
Uttar Pradesh	25821	16564	20191	13929	78	75	5	54	16	-	-	-	-	-	-	
						(75)	(6)	(54)	(15)	-	-	-	-	-	-	
Uttarakhand	1124	706	554	338	49	13	2	1	0	-	1	-	1	2	6	
						(13)	(2)	-	(1)	-	(1)	-	(1)	(2)	(6)	

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(Continued)

<b>6.18 CLASSIFICATION OF DISTRICTS ACCORDING TO RANGES OF FERTILISER CONSUMPTION @</b>															
<b>(N+P<sub>2</sub>O<sub>5</sub>+K<sub>2</sub>O) 2015-16 and 2014-15 (Concluded)</b>															
Zone/State	Cropped area# ('000 ha)		Irrigated area# ('000 ha)		Percentage of gross irrigated area to gross cro- pped area	No. of districts in the state	Ranges of fertiliser consumption (kg/ha) @								
	Gross	Net	Gross	Net			Above and upto								
							Above 200	150- 200	100- 150	75- 100	50- 75	25- 50	10- 25	5- 10	Upto 5
<b>South</b>															
Andhra Pradesh & Telangana	13650	11117	6268	4575	46	22 (22)	13 (15)	4 (3)	2 (3)	3 (1)	-	-	-	-	-
Karnataka	11748	9793	4007	3421	34	30 (30)	8 (8)	8 (4)	6 (10)	3 (1)	5 (7)	-	-	-	-
Kerala	2592	2048	458	396	18	14 (14)	-	2	2 (3)	4 (4)	6 (4)	-	(3)	-	-
Tamil Nadu	5140	4544	2991	2643	58	31 (31)	13 (12)	5 (4)	10 (8)	2 (2)	1 (5)	-	-	-	-
<b>West</b>															
Gujarat	12600	10302	5913	4233	47	26 (26)	2 (2)	5 (9)	14 (9)	1 (2)	3 (3)	-	-	1 (1)	-
Madhya Pradesh	23130	15352	8966	8550	39	51 (51)	1 (1)	3 (4)	13 (14)	12 (9)	9 (7)	10 (11)	2 (3)	1 (1)	- (1)
Chhattisgarh	5691	4671	1725	1449	30	27 (27)	2 (1)	3 (2)	9 (5)	2 (6)	3 (2)	3 (6)	3 (3)	1 (1)	1 (1)
Maharashtra	21874	17344	4041	3244	18	34 (34)	2 (3)	9 (6)	11 (13)	7 (6)	3 (4)	1 (2)	1 (2)	-	-
Rajasthan	23954	17479	9455	7499	39	33 (33)	1.00 -	2 (1)	9 (8)	3 (6)	7 (6)	8 (7)	2 (3)	1 (2)	-
<b>Total</b> (20 States)	<b>192056</b>	<b>138081</b>	<b>91990</b>	<b>65683</b>		<b>567*</b> (567)*	<b>111</b> (96)	<b>124</b> (108)	<b>117</b> (136)	<b>57</b> (47)	<b>65</b> (59)	<b>61</b> (72)	<b>15</b> (28)	<b>9</b> (13)	<b>8</b> (11)
<b>All India Total</b>	<b>194399</b>	<b>139932</b>	<b>92575</b>	<b>66103</b>	<b>48</b>										
@ = Of gross cropped area                      # = Data for 2012-13 (latest available). ( ) = For 2014-15                                      * = Excludes the districts of small states/UTs.															

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## 7.00 SUMMARY TABLES

7.01 ALL-INDIA PRODUCTION, IMPORTS, DESPATCHES AND CONSUMPTION OF FERTILISERS 1951-52 to 2015-16 (April-March) (a) N, P <sub>2</sub> O <sub>5</sub> and N+P <sub>2</sub> O <sub>5</sub>												
Sl. No.	Year	Nitrogen (N)						Phosphate (P <sub>2</sub> O <sub>5</sub> )				
		Quantity ('000 tonnes)				+/- % over the previous year		Quantity ('000 tonnes)				
		Production	Import	Despatches	Consumption	Production	Consumption	Production	Import	Despatches	Consumption	
1.	1951-52	28.9	28.8	58.7	58.7	-	-	9.8	15.5	6.9	6.9	
2.	1955-56	I Plan	76.9	53.0	107.5	107.5	12.3	13.4	12.4	-	13.0	13.0
3.	1956-57		78.8	57.0	123.1	123.1	2.5	14.5	17.6	-	15.9	15.9
4.	1960-61	II Plan	112.0	399.0	211.7	211.7	33.8	7.7	53.7	-	53.1	53.1
5.	1961-62		154.3	307.0	291.5	249.8	37.8	18.0	65.4	-	63.9	60.5
6.	1965-66	III Plan	237.9	326.0	547.4	574.8	2.2	3.5	118.8	14.0	132.2	132.5
7.	1966-67		309.0	632.0	838.7	737.8	29.9	28.4	145.7	148.0	248.6	248.6
8.	1969-70		730.6	667.0	1040.2	1356.0	29.8	12.2	223.7	94.0	234.9	416.0
9.	1973-74	IV Plan	1049.9	658.8	1613.0	1829.0	0.4	0.5	324.5	212.7	541.1	649.7
10.	1974-75		1186.0	883.8	1846.2	1765.7	13.0	3.5	331.2	285.9	497.4	471.5
11.	1975-76		1508.0	996.0	1908.7	2148.6	27.2	21.7	319.7	361.0	373.6	466.8
12.	1976-77	V Plan	1862.4	750.1	2351.7	2456.9	23.5	14.3	478.3	22.8	643.5	634.7
13.	1977-78		1999.8	758.1	2813.3	2913.0	7.4	18.6	669.6	163.9	773.1	866.6
14.	1978-79		2173.0	1233.1	2986.3	3419.5	8.7	17.4	778.0	243.5	950.6	1106.0
15.	1979-80		2224.3	1295.3	3444.2	3498.1	2.4	2.3	763.1	237.1	997.9	1150.9
16.	1980-81		2163.9	1510.2	3522.3	3678.1	2.7	5.1	841.5	452.1	1074.1	1213.6
17.	1981-82		3143.3	1055.1	3881.7	4068.7	45.3	10.6	950.0	343.2	1154.7	1322.3
18.	1982-83	VI Plan	3429.7	424.6	4043.0	4224.2	9.1	3.8	983.7	63.4	1182.5	1435.9
19.	1983-84		3491.5	656.1	4637.3	5204.4	1.8	23.2	1064.1	142.6	1351.3	1730.3
20.	1984-85		3917.3	2008.6	5333.3	5486.1	12.2	5.4	1317.9	745.2	1795.0	1886.4
21.	1985-86		4322.9	1615.8	5750.0	5660.8	10.4	3.2	1430.1	804.8	2041.2	2005.2
22.	1986-87		5412.2	1105.6	6528.7	5716.0	25.2	1.0	1661.9	279.3	2197.7	2078.9
23.	1987-88	VII Plan	5465.6	174.8	5702.9	5716.8	1.0	Neg.	1665.1	-	1739.1	2187.1
24.	1988-89		6712.4	218.8	7156.3	7251.0	22.8	26.8	2252.5	407.4	2553.2	2720.7
25.	1989-90		6747.4	523.1	7150.9	7385.9	0.5	1.9	1795.3	1311.3	2966.0	3014.2
26.	1990-91		6993.1	412.3	7565.5	7997.2	3.6	8.3	2051.1	1015.7	3099.3	3221.0
27.	1991-92		7301.5	566.1	7835.0	8046.3	4.4	0.6	2561.6	967.8	3455.8	3321.2
28.	1992-93		7430.6	1152.3	8418.5	8426.8	1.8	4.7	2320.8	727.3	2825.8	2843.8
29.	1993-94		7231.2	1588.8	8287.7	8788.3	-2.7	4.3	1874.3	721.7	2673.3	2669.3
30.	1994-95	VIII Plan	7944.3	1473.2	9393.2	9507.1	9.9	8.2	2556.7	376.1	2876.4	2931.7
31.	1995-96		8768.8	2008.2	10592.2	9822.8	10.4	3.3	2593.5	686.3	3219.3	2897.5
32.	1996-97		8593.1	1156.4	9851.8	10301.8	-2.0	4.9	2578.6	218.5	2799.2	2976.8
33.	1997-98		10083.0	1377.4	11292.2	10901.8	17.3	5.8	3076.2	715.9	3769.7	3913.6
34.	1998-99	IX Plan	10477.3	657.0	11210.4	11353.8	3.9	4.1	3204.8	984.8	4100.0	4112.2
35.	1999-2000		10873.2	855.9	11609.6	11592.5	3.8	2.1	3447.7	1534.1	4947.2	4797.9
36.	2000-01		10942.8	163.6	11101.5	10920.2	0.6	-5.8	3734.2	436.7	4127.0	4214.6
37.	2001-02		10689.5	282.9	10961.2	11310.2	-2.3	3.6	3837.3	494.3	4271.0	4382.4
38.	2002-03		10507.6	134.9	10606.8	10474.1	-1.7	-7.4	3907.7	228.2	4139.6	4018.8
39.	2003-04		10556.8	205.1	10708.5	11077.0	0.5	5.8	3626.6	371.5	4058.4	4124.3
40.	2004-05	X Plan	11304.9	413.1	11757.6	11713.9	7.1	5.7	4038.4	307.3	4321.7	4623.8
41.	2005-06		11332.9	1389.9	12637.8	12723.3	0.2	8.6	4202.6	1144.7	5264.1	5203.7
42.	2006-07		11524.9	2704.0	14159.9	13772.9	1.7	8.2	4440.0	1373.2	5705.4	5543.3
43.	2007-08		10902.8	3707.6	14506.1	14419.1	-5.4	4.7	3714.3	1391.2	4951.5	5514.7
44.	2008-09		10900.2	3756.0	14636.7	15090.5	-0.02	4.7	3417.3	3066.6	6317.7	6506.2
45.	2009-10	XI Plan	11924.0	3488.1	15279.6	15580.0	9.4	3.2	4374.3	2849.5	7134.1	7274.0
46.	2010-11		12178.6	4569.6	16696.7	16558.2	2.1	6.3	4371.2	3738.7	8142.5	8049.7
47.	2011-12		12288.3	5577.6	17832.3	17300.3	0.9	4.5	4363.7	4263.6	8739.6	7914.3
48.	2012-13		12237.3	4801.0	16799.0	16820.9	-0.4	-2.8	3826.0	2797.2	6432.8	6653.4
49.	2013-14	XII Plan	12408.6	3920.3	16421.6	16750.1	1.4	-0.4	3972.0	1588.2	5501.2	5633.5
50.	2014-15	(4th year	12433.7	4813.0	16968.4	16949.6	0.2	1.2	4118.9	1902.9	5994.7	6098.9
51.	2015-16	end)	13475.9	5081.3	18098.2	17372.3	8.4	2.5	4425.8	2899.5	7376.0	6978.8

(Continued)

7.01 ALL-INDIA PRODUCTION, IMPORTS, DESPATCHES AND CONSUMPTION OF FERTILISERS 1951-52 to 2015-16 (April-March) (Continued) (a) N, P <sub>2</sub> O <sub>5</sub> and N+P <sub>2</sub> O <sub>5</sub> (Concluded)										
Sl. No.	Year	Phosphate (P <sub>2</sub> O <sub>5</sub> )		N+P <sub>2</sub> O <sub>5</sub>				+/- % over the previous year		
		+/- % over the previous year		Quantity ('000 tonnes)				Production	Consumption	
		Production	Consumption	Production	Import	Despatches	Consumption			
1.	1951-52	-	-	38.7	44.3	65.6	65.6	-	-	
2.	1955-56	I Plan	-13.3	-13.3	89.3	53.0	120.5	120.5	7.9	9.7
3.	1956-57		41.9	22.3	96.4	57.0	139.0	139.0	8.0	15.4
4.	1960-61	II Plan	4.5	-1.5	165.7	399.0	264.8	264.8	22.6	-6.5
5.	1961-62		21.8	13.9	219.7	307.0	355.4	310.3	32.6	17.2
6.	1965-66	III Plan	-9.3	-10.9	356.7	340.0	679.6	707.3	-4.7	0.5
7.	1966-67		22.6	87.6	454.7	780.0	1087.3	986.4	27.5	39.5
8.	1969-70		4.9	8.9	954.3	761.0	1275.1	1772.0	22.9	11.4
9.	1973-74	IV Plan	-1.8	11.8	1374.4	871.5	2154.1	2478.7	-0.8	2.4
10.	1974-75		2.1	-27.4	1517.2	1169.7	2343.6	2237.2	10.4	-9.7
11.	1975-76	V Plan	-3.5	-1.0	1827.7	1357.0	2282.3	2615.4	20.5	16.9
12.	1976-77		49.5	36.0	2340.7	772.9	2995.2	3091.6	28.1	18.2
13.	1977-78		40.0	36.5	2669.7	922.0	3586.4	3779.6	14.0	22.3
14.	1978-79		16.2	27.6	2951.0	1476.6	3936.9	4525.5	10.5	19.7
15.	1979-80		-1.9	-4.1	2987.4	1532.4	4442.1	4649.0	1.2	2.7
16.	1980-81		-10.3	5.4	3005.4	1962.3	4596.4	4891.7	0.6	5.2
17.	1981-82		12.9	9.0	4093.0	1398.3	5036.4	5391.0	36.2	10.2
18.	1982-83	VI Plan	3.6	8.6	4413.4	488.0	5225.5	5660.1	7.8	5.0
19.	1983-84		8.2	20.5	4555.6	798.7	5988.6	6934.7	3.2	22.5
20.	1984-85		23.8	9.0	5235.1	2753.8	7128.3	7372.5	14.9	6.3
21.	1985-86		8.5	6.3	5753.0	2420.6	7791.2	7666.0	9.9	4.0
22.	1986-87		16.2	3.7	7074.1	1384.9	8726.4	7794.9	23.0	1.7
23.	1987-88	VII Plan	0.2	5.2	7131.0	174.8	7442.0	7903.9	0.8	1.4
24.	1988-89		35.3	24.4	8964.9	626.2	9709.5	9971.7	25.7	26.2
25.	1989-90		20.3	10.0	8542.7	1834.4	10116.9	10400.1	-4.8	4.3
26.	1990-91		14.2	6.9	9044.2	1428.0	10664.8	11218.2	5.9	7.9
27.	1991-92		24.9	3.1	9863.1	1533.9	11290.8	11367.5	9.1	1.3
28.	1992-93		-9.4	-14.4	9751.4	1879.6	11244.3	11270.6	-1.1	-0.9
29.	1993-94		-19.2	-6.1	9105.5	2310.5	10961.0	11457.6	-6.6	1.7
30.	1994-95	VIII Plan	36.4	9.8	10501.0	1849.3	12269.6	12438.8	15.3	8.6
31.	1995-96		1.4	-1.2	11362.3	2694.5	13811.5	12720.3	8.2	2.3
32.	1996-97		-0.6	2.7	11171.7	1374.9	12651.0	13278.6	-1.7	4.4
33.	1997-98		19.3	31.6	13159.2	2093.3	15061.9	14815.4	17.8	11.6
34.	1998-99	IX Plan	4.2	5.1	13682.1	1641.8	15310.4	15466.0	4.0	4.4
35.	1999-2000		7.6	16.7	14320.9	2390.0	16556.4	16390.4	4.7	6.0
36.	2000-01		8.3	-12.2	14677.0	600.3	15228.5	15134.8	2.5	-7.7
37.	2001-02		2.7	4.0	14524.7	777.2	15232.2	15692.6	-1.0	3.7
38.	2002-03		1.8	-8.3	14415.3	363.1	14746.4	14492.9	-0.8	-7.6
39.	2003-04		-7.2	2.6	14183.4	576.6	14766.9	15201.3	-1.6	4.9
40.	2004-05	X Plan	11.4	12.1	15343.3	720.4	16079.3	16337.7	8.2	7.5
41.	2005-06		4.1	12.5	15535.5	2534.6	17901.9	17927.0	1.3	9.7
42.	2006-07		5.6	6.5	15964.9	4077.2	19865.3	19316.2	2.8	7.7
43.	2007-08		-16.3	-0.5	14617.1	5098.8	19457.6	19933.8	-8.4	3.2
44.	2008-09		-8.0	18.0	14317.5	6822.6	20954.4	21596.7	-2.0	8.3
45.	2009-10	XI Plan	28.0	11.8	16298.3	6337.6	22413.7	22854.0	13.8	5.8
46.	2010-11		-0.1	10.7	16549.8	8308.3	24839.2	24607.9	1.5	7.7
47.	2011-12		-0.2	-1.7	16652.0	9841.2	26571.9	25214.6	0.6	2.5
48.	2012-13		-12.3	-15.9	16063.3	7598.2	23231.8	23474.3	-3.5	-6.9
49.	2013-14	XII Plan	3.8	-15.3	16380.6	5508.5	21922.8	22383.6	2.0	-4.6
50.	2014-15	(4th year)	3.7	8.3	16552.6	6715.9	22963.1	23048.5	1.1	3.0
51.	2015-16	(end)	7.5	14.4	17901.7	7980.8	25474.2	24351.1	8.2	5.7

(Continued)

7.01 ALL-INDIA PRODUCTION, IMPORT, DESPATCHES AND CONSUMPTION OF FERTILISERS 1951-52 to 2015-16 (April-March) (Continued) (b) K <sub>2</sub> O and N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O								
Sl. No.	Year	Potash (K <sub>2</sub> O)				N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O		
		Quantity ('000 tonnes)			+/- % over the previous year Consumption	Quantity ('000 tonnes)		
		Import	Despatches	Consumption		Production #	Import	
1.	1951-52	7.7	-	-	7.9	38.7	52.0	
2.	1955-56	I Plan	10.0	10.3	10.3	7.2	89.3	63.0
3.	1956-57		15.0	14.8	14.8	43.7	96.4	72.0
4.	1960-61	II Plan	20.0	29.0	29.0	36.2	165.7	419.0
5.	1961-62		75.0	28.0	28.0	3.4	219.7	382.0
6.	1965-66	III Plan	73.0	77.7	77.3	11.5	356.7	413.0
7.	1966-67		118.0	115.7	114.2	47.7	454.7	898.0
8.	1969-70		120.0	132.5	210.0	23.5	954.3	881.0
9.	1973-74	IV Plan	370.4	381.0	359.8	3.5	1374.4	1241.9
10.	1974-75		473.3	317.5	336.1	6.6	1517.2	1643.0
11.	1975-76		278.0	227.0	278.4	17.2	1827.7	1635.0
12.	1976-77	V Plan	277.8	377.8	319.2	14.7	2340.7	1050.7
13.	1977-78		590.9	482.7	506.3	58.6	2669.7	1512.9
14.	1978-79		517.4	560.1	591.5	16.8	2951.0	1994.0
15.	1979-80		473.2	545.5	606.4	2.5	2987.4	2005.6
16.	1980-81		796.8	617.6	623.9	2.9	3005.4	2759.1
17.	1981-82		643.8	670.4	676.2	8.4	4093.0	2042.1
18.	1982-83	VI Plan	643.7	621.7	726.5	7.4	4413.4	1131.7
19.	1983-84		556.4	626.6	775.4	6.7	4555.6	1355.1
20.	1984-85		871.0	846.4	838.5	8.1	5235.1	3624.8
21.	1985-86		893.8	854.1	808.1	3.6	5753.0	3314.4
22.	1986-87		889.6	868.1	850.0	5.2	7074.1	2274.5
23.	1987-88	VII Plan	809.1	878.6	880.5	3.6	7131.0	983.9
24.	1988-89		989.2	1029.9	1068.4	21.3	8964.9	1615.4
25.	1989-90		1278.1	1171.7	1168.0	9.3	8542.7	3112.5
26.	1990-91		1325.9	1308.5	1328.0	13.7	9044.2	2753.9
27.	1991-92		1236.4	1369.1	1360.6	2.5	9863.1	2770.3
28.	1992-93		1081.2	909.6	883.9	-35.0	9751.4	2960.8
29.	1993-94		862.5	857.8	908.7	2.8	9105.5	3173.0
30.	1994-95	VIII Plan	1281.7	1155.9	1124.8	23.8	10501.0	3131.0
31.	1995-96		1424.3	1554.7	1155.8	2.8	11362.3	4118.8
32.	1996-97		666.5	1267.8	1029.6	-10.9	11171.7	2041.4
33.	1997-98		1437.3	1356.3	1372.5	33.3	13159.2	3530.6
34.	1998-99		1558.1	1325.5	1331.5	-3.0	13682.1	3199.9
35.	1999-2000	IX Plan	1773.9	1770.9	1678.4	26.1	14320.9	4163.9
36.	2000-01		1594.0	1487.1	1567.5	-6.6	14677.0	2194.3
37.	2001-02		1697.2	1677.4	1667.1	6.4	14524.7	2474.4
38.	2002-03		1568.4	1572.5	1601.2	-4.0	14415.3	1931.5
39.	2003-04		1552.8	1478.0	1597.9	-0.2	14183.4	2129.4
40.	2004-05	X Plan	2058.3	1957.1	2060.7	29.0	15343.3	2778.7
41.	2005-06		2764.1	2463.4	2413.3	17.1	15535.5	5298.7
42.	2006-07		2075.6	2286.0	2334.8	-3.3	15964.9	6152.8
43.	2007-08		2668.3	2494.9	2636.3	12.9	14617.1	7767.1
44.	2008-09		3416.7	3402.4	3312.6	25.7	14317.5	10239.3
45.	2009-10	XI Plan	3190.4	3579.3	3632.4	9.7	16298.3	9528.0
46.	2010-11		3899.5	3512.8	3514.3	-3.3	16549.8	12207.7
47.	2011-12		2557.8	2683.0	2575.5	-26.7	16652.0	12399.0
48.	2012-13		1573.7	1869.6	2061.8	-19.9	16063.3	9172.0
49.	2013-14	XII Plan	1954.4	2056.9	2098.9	1.8	16380.6	7462.8
50.	2014-15	(4th year	2588.0	2576.2	2532.9	20.7	16552.6	9303.8
51.	2015-16	end)	2075.9	2229.9	2401.5	-5.2	17901.7	10056.7

Note : 1. From 1951-52 to 1960-61 despatch figures are treated as consumption. # = N+P<sub>2</sub>O<sub>5</sub> (Continued)

7.01 ALL-INDIA PRODUCTION, IMPORTS, DESPATCHES AND CONSUMPTION OF FERTILISERS 1951-52 to 2015-16 (April-March) (Concluded) (b) K <sub>2</sub> O and N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O (Concluded)						
Sl. No.	Year	N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O				
		Quantity ('000 tonnes)		+/- % over the previous year		
		Despatches	Consumption	Production	Consumption	
1.	1951-52		65.6	65.6	-	-
2.	1955-56	I Plan	130.8	130.8	7.9	8.2
3.	1956-57		153.8	153.8	8.0	17.5
4.	1960-61	II Plan	293.8	293.8	22.6	3.5
5.	1961-62		383.4	338.3	32.6	15.1
6.	1965-66	III Plan	757.3	784.6	4.7	1.5
7.	1966-67		1203.0	1100.6	27.5	40.3
8.	1969-70		1407.6	1982.0	22.9	12.6
9.	1973-74	IV Plan	2535.1	2838.5	0.8	2.6
10.	1974-75		2661.1	2573.3	10.4	9.3
11.	1975-76		2509.3	2893.8	20.5	12.5
12.	1976-77	V Plan	3373.0	3410.8	28.1	17.9
13.	1977-78		4069.1	4285.9	14.0	25.7
14.	1978-79		4497.0	5117.0	10.5	19.4
15.	1979-80		4987.6	5255.4	1.2	2.7
16.	1980-81		5214.0	5515.6	0.6	5.0
17.	1981-82		5706.8	6067.2	36.2	10.0
18.	1982-83	VI Plan	5847.2	6386.6	7.8	5.3
19.	1983-84		6615.2	7710.1	3.2	20.7
20.	1984-85		7974.7	8211.0	14.9	6.5
21.	1985-86		8645.3	8474.1	9.9	3.2
22.	1986-87		9594.5	8644.9	23.0	2.0
23.	1987-88	VII Plan	8320.6	8784.4	0.8	1.6
24.	1988-89		10739.4	11040.1	25.7	25.7
25.	1989-90		11288.6	11568.1	4.8	4.8
26.	1990-91		11973.3	12546.2	5.9	8.5
27.	1991-92		12659.9	12728.1	9.1	1.4
28.	1992-93		12153.9	12154.5	-1.1	-4.5
29.	1993-94		11818.8	12366.3	-6.6	1.7
30.	1994-95	VIII Plan	13425.5	13563.6	15.3	9.7
31.	1995-96		15366.2	13876.2	8.2	2.3
32.	1996-97		13918.8	14308.1	-1.7	3.1
33.	1997-98		16418.2	16187.8	17.8	13.1
34.	1998-99		16635.9	16797.5	4.0	3.8
35.	1999-2000	IX Plan	18327.7	18068.9	4.7	7.6
36.	2000-01		16715.6	16702.3	2.5	-7.6
37.	2001-02		16909.6	17359.7	-1.0	3.9
38.	2002-03		16318.9	16094.1	-0.8	-7.3
39.	2003-04		16244.9	16799.1	-1.6	4.4
40.	2004-05	X Plan	18036.4	18398.4	8.2	9.5
41.	2005-06		20365.3	20340.3	1.3	10.6
42.	2006-07		22151.3	21651.0	2.8	6.4
43.	2007-08		21952.5	22570.1	-8.4	4.2
44.	2008-09		24356.8	24909.3	-2.0	10.4
45.	2009-10	XI Plan	25993.1	26486.4	13.8	6.3
46.	2010-11		28352.0	28122.2	1.5	6.2
47.	2011-12		29254.8	27790.0	0.6	-1.2
48.	2012-13		25101.4	25536.2	-3.5	-8.1
49.	2013-14	XII Plan	23979.5	24482.4	2.0	-4.1
50.	2014-15	(4th year	25539.3	25581.3	1.1	4.5
51.	2015-16	end)	27704.0	26752.6	8.2	4.6

2. From 1961-62 onwards, consumption figures have been taken from Ministry of Agriculture, New Delhi.

7.02 ALL INDIA PRODUCTION, IMPORT AND CONSUMPTION OF FERTILISER PRODUCTS 2014-15 and 2015-16 (April - March)							
Fertiliser	Production		Import		Consumption		
	2014-15	2015-16 (P)	2014-15	2015-16 (P)	2014-15	2015-16 (P)	
('000 tonnes)							
<b>I. Straight 'N'</b>							
1. Ammonium Sulphate (20.6 % N)	581.2	560.1	155.3	50.9	508.6	448.9	
2. Urea (46% N)	22,592.9	24,461.3	8,749.0	8,474.0	30,610.0	30,634.8	
3. CAN (25% N)	-	-	-	-	7.7	12.3	
4. Ammonium Chloride (25% N)	40.4	45.6	-	-	0.9	5.2	
<b>II. Straight 'P<sub>2</sub>O<sub>5</sub>'</b>							
1. Single Superphosphate (16% P <sub>2</sub> O <sub>5</sub> )	4,229.6	4,329.6	-	-	3,989.3	4,252.7	
2. Triple Superphosphate (46% P <sub>2</sub> O <sub>5</sub> )	-	-	-	-	1.8	5.9	
3. Rock Phosphate (for direct application)	-	-	-	-	31.8	16.7	
<b>III. Straight 'K<sub>2</sub>O'</b>							
1. Muriate of Potash (60% K <sub>2</sub> O)	-	-	4,197.0	3,243.0	2,853.4	2,466.9	
2. Sulphate of Potash (50% K <sub>2</sub> O)	-	-	78.0	45.4	19.0	16.8	
<b>IV. NP/NPK Fertilisers</b>							
16-20-0-13 (APS)	81.3	135.6	-	-	135.7	171.5	
20-20-0-13 (APS)	3,008.7	3,513.4	145.0	85.0	3,801.9	3,782.0	
20-20-0 (ANP)	466.5	384.5	-	-			
15-15-15	420.0*	461.4**	-	184.0	321.1	560.6	
14-35-14	240.2	269.7	-	-	229.0	310.3	
18-46-0 (DAP)	3,445.4	3,821.8	3,853.0	6,008.0	7,625.6	9,107.2	
24-24-0	39.0	159.6	-	-	73.3	162.7	
24-24-0-8	30.7	11.9					
11-52-0 (MAP)	-	-	136.0	22.0	0.9	0.1	
28-28-0	449.0	429.5	-	-	415.5	443.3	
14-28-14	-	-	-	-	0.6	11.4	
19-19-19	78.3	94.2	-	-	68.1	83.8	
17-17-17	82.6	73.0	-	-	83.5	69.7	
13-33-0-6(S)	-	-	-	-	3.6	0.4	
16-16-16	-	-	72.0	138.0	209.6	94.0	
12-32-16	1,083.0	1,217.1	-	-	1,090.4	1,178.4	
10-26-26	1,850.0	1,629.3	74.0	222.0	1,845.2	1,953.0	
<b>I. Total Product</b>	<b>38,718.8</b>	<b>41,597.7</b>	<b>17,459.3</b>	<b>18,472.3</b>	<b>53,926.3</b>	<b>55,788.6</b>	
<b>Total Complex (Other than DAP/MAP)</b>	<b>7,829.3</b>	<b>8,379.2</b>	<b>291.0</b>	<b>629.0</b>	<b>8,277.5</b>	<b>8,821.1</b>	
<b>II. (a) Total (Straight )</b>	<b>N</b>	<b>10,522.5</b>	<b>11,379.0</b>	<b>4,056.5</b>	<b>3,908.5</b>	<b>14,187.5</b>	<b>14,188.8</b>
		(84.6)	(84.4)	(84.3)	(76.9)	(83.7)	(81.7)
						@	@
	<b>P<sub>2</sub>O<sub>5</sub></b>	<b>676.7</b>	<b>692.7</b>	<b>-</b>	<b>-</b>	<b>645.5</b>	<b>686.5</b>
		(16.4)	(15.7)	-	-	(10.6)	(9.8)
	<b>K<sub>2</sub>O</b>	<b>-</b>	<b>-</b>	<b>2,557.2</b>	<b>1,968.5</b>	<b>1,721.5</b>	<b>1,488.6</b>
				(98.8)	(94.8)	(68.0)	(62.0)
<b>(b) Total (through NP/NPKs)</b>	<b>N</b>	<b>1,911.2</b>	<b>2,096.9</b>	<b>756.5</b>	<b>1,172.8</b>	<b>2,762.1</b>	<b>3,183.5</b>
		(15.4)	(15.6)	(15.7)	(23.1)	(16.3)	(18.3)
	<b>P<sub>2</sub>O<sub>5</sub></b>	<b>3,442.2</b>	<b>3,733.1</b>	<b>1,902.9</b>	<b>2,899.5</b>	<b>5,453.4</b>	<b>6,292.3</b>
		(83.6)	(84.3)	(100.0)	(100.0)	(89.4)	(90.2)
	<b>K<sub>2</sub>O</b>	<b>-</b>	<b>-</b>	<b>30.8</b>	<b>107.4</b>	<b>811.4</b>	<b>912.9</b>
				(1.2)	(5.2)	(32.0)	(38.0)
<b>(c) Grand Total [II(a)+II(b)]</b>	<b>N</b>	<b>12,433.7</b>	<b>13,475.9</b>	<b>4,813.0</b>	<b>5,081.3</b>	<b>16,949.6</b>	<b>17,372.3</b>
						@	@
	<b>P<sub>2</sub>O<sub>5</sub></b>	<b>4,118.9</b>	<b>4,425.8</b>	<b>1,902.9</b>	<b>2,899.5</b>	<b>6,098.9</b>	<b>6,978.8</b>
	<b>K<sub>2</sub>O</b>	<b>-</b>	<b>-</b>	<b>2,588.0</b>	<b>2,075.9</b>	<b>2,532.9</b>	<b>2,401.5</b>
<b>Total Nutrients (N+P<sub>2</sub>O<sub>5</sub>+K<sub>2</sub>O)</b>		<b>16,552.6</b>	<b>17,901.7</b>	<b>9,303.9</b>	<b>10,056.7</b>	<b>25,581.3</b>	<b>26,752.6</b>
(P) = Provisional. @ = Includes rock phosphate for direct application.							
* =APS 15-15-15-09 : 23.2 thousand tonnes and ANP 15-15-15-09 : 396.8 thousand tonnes.							
** = ANP 15-15-15. ( ) = Per cent share to total nutrients.							

**7.03 CAPACITY, PRODUCTION AND CONSUMPTION OF N, P<sub>2</sub>O<sub>5</sub> & K<sub>2</sub>O WITH SURPLUS/ DEFICIT - STATE-WISE**  
**2015-16 (April- March) (Provisional)**

(000 tonnes)

Zone/ State	N				P <sub>2</sub> O <sub>5</sub>				N+P <sub>2</sub> O <sub>5</sub>				K <sub>2</sub> O	Total (N+P <sub>2</sub> O <sub>5</sub> + K <sub>2</sub> O) Consumption
	Capacity	Production	Consumption	Surplus- Deficit	Capacity	Production	Consumption	Surplus- Deficit	Capacity	Production	Consumption	Surplus- Deficit	Consumption	
<b>East</b>	<b>829.5</b>	<b>785.5</b>	<b>2,730.7</b>	<b>-1945.2</b>	<b>1,561.7</b>	<b>1,261.8</b>	<b>1,010.7</b>	<b>251.1</b>	<b>2,391.2</b>	<b>2,047.3</b>	<b>3,741.4</b>	<b>-1694.1</b>	<b>545.1</b>	<b>4,286.6</b>
Arunachal Pradesh	-	-	0.44	-0.44	-	-	0.03	-0.03	-	-	0.47	-0.47	0.09	0.56
Assam	234.6	147.6	169.2	-21.6	7.2	6.0	33.5	-27.5	241.8	153.6	202.7	-49.1	39.9	242.6
Bihar	-	-	1,249.8	-1249.8	4.8	0.1	340.9	-340.8	4.8	0.1	1,590.7	-1590.6	106.2	1,696.9
Jharkhand	7.5	6.0	122.8	-116.8	-	-	41.0	-41.0	7.5	6.0	163.9	-157.9	5.4	169.3
Manipur	-	-	10.3	-10.3	-	-	2.8	-2.8	-	-	13.1	-13.1	1.7	14.8
Meghalaya	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mizoram	-	-	1.6	-1.6	-	-	0.3	-0.3	-	-	1.9	-1.9	0.42	2.3
Nagaland	-	-	1.2	-1.2	-	-	0.8	-0.8	-	-	2.0	-2.0	0.5	2.5
Odisha	461.0	557.1	327.2	229.9	1,133.8	1,040.2	133.7	906.5	1,594.8	1,597.3	460.9	1136.5	58.9	519.7
Sikkim	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tripura	-	-	9.6	-9.6	-	-	6.5	-6.5	-	-	16.1	-16.1	6.2	22.3
West Bengal	126.4	74.8	838.6	-763.8	415.9	215.6	451.2	-235.6	542.3	290.4	1,289.8	-999.4	325.9	1,615.7
<b>North</b>	<b>4,160.5</b>	<b>4,539.1</b>	<b>5,709.3</b>	<b>-1170.2</b>	<b>137.7</b>	<b>43.9</b>	<b>1,869.2</b>	<b>-1825.3</b>	<b>4,298.2</b>	<b>4,583.0</b>	<b>7,578.5</b>	<b>-2995.5</b>	<b>328.0</b>	<b>7,906.4</b>
Haryana	235.0	260.8	1,037.1	-776.3	24.3	7.4	290.6	-283.2	259.3	268.2	1,327.7	-1059.5	19.7	1,347.4
Himachal Pradesh	-	-	36.6	-36.6	-	-	9.8	-9.8	-	-	46.4	-46.4	9.9	56.2
Jammu & Kashmir	-	-	82.2	-82.2	-	-	28.1	-28.1	-	-	110.3	-110.3	12.0	122.3
Punjab	455.1	503.6	1,447.3	-943.7	-	-	418.7	-418.7	455.1	503.6	1,866.0	-1362.4	77.7	1,943.7
Uttar Pradesh	3,470.4	3,774.7	2,930.0	844.7	113.4	36.5	1,098.1	-1061.6	3,583.8	3,811.2	4,028.1	-216.9	202.0	4,230.1
Uttarakhand	-	-	171.0	-171.0	-	-	23.5	-23.5	-	-	194.4	-194.4	6.7	201.2
Chandigarh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Delhi	-	-	5.1	-5.1	-	-	0.4	-0.4	-	-	5.6	-5.6	-	5.6

(Continued)

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**7.03 CAPACITY, PRODUCTION AND CONSUMPTION OF N, P<sub>2</sub>O<sub>5</sub> & K<sub>2</sub>O WITH SURPLUS/ DEFICIT - STATE-WISE**

**2015-16 (April- March) (Provisional) (Concluded)**

(000 tonnes)

Zone/ State	N				P <sub>2</sub> O <sub>5</sub>				N+P <sub>2</sub> O <sub>5</sub>				K <sub>2</sub> O	Total (N+P <sub>2</sub> O <sub>5</sub> + K <sub>2</sub> O) Consumption
	Capacity	Production	Consumption	Surplus- Deficit	Capacity	Production	Consumption	Surplus- Deficit	Capacity	Production	Consumption	Surplus- Deficit	Consumption (P)	
<b>South</b>	<b>2,492.2</b>	<b>2,012.6</b>	<b>3,683.2</b>	<b>-1670.6</b>	<b>2,055.8</b>	<b>1,070.4</b>	<b>1,658.1</b>	<b>-587.7</b>	<b>4,548.0</b>	<b>3,083.0</b>	<b>5,341.3</b>	<b>-2258.3</b>	<b>836.3</b>	<b>6,177.6</b>
Andhra Pradesh	1,367.6	1,060.0	1,023.0	37.0	1,323.4	646.0	489.7	156.3	2,691.0	1,706.0	1,512.7	193.3	185.5	1,698.2
Telangana	-	-	877.3	-877.3	5.3	1.7	327.8	-326.1	5.3	1.7	1,205.1	-1203.4	111.2	1,316.3
Karnataka	222.2	213.3	981.6	-768.3	126.0	75.0	531.4	-456.4	348.2	288.3	1,513.0	-1224.7	266.7	1,779.8
Kerala	173.1	121.9	111.0	10.9	126.7	105.5	41.1	64.4	299.8	227.4	152.1	75.3	76.5	228.6
Tamil Nadu	729.3	617.4	682.7	-65.3	474.4	242.3	266.6	-24.3	1,203.7	859.7	949.3	-89.6	195.1	1,144.4
Puducherry	-	-	7.6	-7.6	-	-	1.5	-1.5	-	-	9.1	-9.1	1.4	10.4
A & N Islands	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>West</b>	<b>6,095.4</b>	<b>6,138.7</b>	<b>5,249.2</b>	<b>889.5</b>	<b>3,270.9</b>	<b>2,049.7</b>	<b>2,440.7</b>	<b>-391.0</b>	<b>9,366.3</b>	<b>8,188.4</b>	<b>7,689.9</b>	<b>498.5</b>	<b>692.1</b>	<b>8,382.0</b>
Gujarat	2,430.8	2,406.8	1,101.8	1305.0	1,676.5	1,265.8	313.5	952.3	4,107.3	3,672.6	1,415.3	2257.3	101.4	1,516.8
Madhya Pradesh	950.4	982.4	1,233.8	-251.4	353.5	132.7	650.6	-517.9	1,303.9	1,115.1	1,884.4	-769.3	82.1	1,966.5
Chhattisgarh	11.3	6.3	390.8	-384.5	32.2	21.9	189.7	-167.8	43.5	28.2	580.5	-552.3	57.1	637.6
Maharashtra	1,266.8	1,311.8	1,450.8	-139.0	495.0	254.4	841.7	-587.3	1,761.8	1,566.2	2,292.6	-726.4	432.0	2,724.6
Rajasthan	1,100.6	1,161.9	1,068.9	93.0	469.4	180.9	443.4	-262.5	1,570.0	1,342.8	1,512.3	-169.5	18.4	1,530.6
Goa	335.5	269.6	2.4	267.2	244.2	194.0	1.5	192.6	579.7	463.6	3.8	459.8	1.0	4.8
Daman & Diu	-	-	0.1	-0.1	-	-	0.02	-0.02	-	-	0.2	-0.2	-	0.2
D & N Haveli	-	-	0.6	-0.6	-	-	0.3	-0.3	-	-	0.9	-0.9	-	0.9
<b>All India</b>	<b>13,577.6</b>	<b>13,475.9</b>	<b>17,372.3</b>	<b>-3896.4</b>	<b>7,026.1</b>	<b>4,425.8</b>	<b>6,978.8</b>	<b>-2553.0</b>	<b>20,603.7</b>	<b>17,901.7</b>	<b>24,351.1</b>	<b>-6449.4</b>	<b>2,401.5</b>	<b>26,752.6</b>

(P) = Provisional.

Note = 1) Capacity figures are as on 1st November 2016.

2) Totals may not exactly tally due to rounding off.

## 8.00 PRICES, TAXES, SUBSIDIES/CONCESSIONS AND RAILWAY FREIGHT FOR FERTILISERS

8.01 MAXIMUM RETAIL PRICES OF FERTILISERS IN TERMS OF NUTRIENTS (50 kg.packing) (Exclusive of Central, VAT/ State Sales tax and Local taxes)						
(Rs./kg. of nutrient)						
Year/effective date	Maximum sale price of nutrient through					
	Ammonium sulphate (20.6% N)	Urea (46% N)	Calcium ammonium nitrate (25% N)	Diammonium phosphate <sup>@</sup> (18-46-0)	Single Super-phosphate (16% w.s. P <sub>2</sub> O <sub>5</sub> )	Muriate of potash (60% K <sub>2</sub> O)
Nutrient	(N)	(N)	(N)	(P <sub>2</sub> O <sub>5</sub> )	(P <sub>2</sub> O <sub>5</sub> )	(K <sub>2</sub> O)
1972-73 (w.e.f. 30-3-1972)	2.72	2.08	2.26	1.89 <sup>1</sup>	3.17 <sup>2</sup>	0.92 <sup>1</sup>
1974-75 (w.e.f. 1-6-1974)	4.54	4.35	4.38	4.83	5.63	2.05
1975-76 (w.e.f. 18-7-1975)	4.54	4.02	4.38	4.52	6.78	1.97
				4.08 <sup>3</sup>	5.85 <sup>3</sup>	1.83 <sup>3</sup>
1980-81 (w.e.f. 8-6-1980*)	Decontrolled	4.35	Decontrolled	4.93	5.27 <sup>4</sup>	1.83
(w.e.f. 2-7-1980*)	7.28 <sup>3</sup>	4.35	6.40	4.93	5.27 <sup>4</sup>	1.83
1986-87 (w.e.f. 31-1-1986)	8.01	5.11	6.80	5.83	5.94	2.17
1991-92 (w.e.f. 25-7-1991)	Decontrolled	7.17	Decontrolled	8.15	8.38	3.03
(w.e.f. 14-8-1991)	"	6.65	"	7.57	7.75	2.83
1995-96- Kharif	15.44	7.22	"	16.96-18.48	14.29-17.66	6.03-7.57
" Rabi	18.45	7.22	"	18.11-19.45	16.25-18.21	7.00-8.00
1996-97- Kharif	19.42	7.22	"	13.64-16.18	13.93-19.25	6.19-7.17
" Rabi (prior to 21-2-97)	19.42	7.22	"	14.92-16.96	16.25-19.25	6.62-7.50
" (w.e.f. to 21-2-97)	19.42	7.96	"	14.63-16.67	16.25-19.25	6.17
1997-98	19.42-20.39	7.96	"	14.93	15.63-18.75	6.17
1998-99 - Kharif (prior to 29-1-99)	20.39-21.36	7.96	24.00 #	14.93	15.63-18.75	6.17
" (w.e.f. 29-1-99)	20.39-21.37	8.70	2400 #	14.64	15.63-18.75	6.17
1999-2000 (prior to 29.2.2000)	22.82-24.51	8.70	"	14.64	15.63-18.75	6.17
(w.e.f. 29.2.2000)	22.82-24.52	10.00	2400 #	15.43	15.63-18.75	7.09
2000-01	23.54-24.51	10.00	32.00 #	15.43	15.63-21.88	7.09
2001-02 (w.e.f. 28.2.2002)	24.07-26.33	10.50	32.00 #	16.22	15.63-21.88	7.43
2002-03 (w.e.f. 28.2.2003)	25.58-27.45	11.02	36.00 #	16.45	16.25-21.88	7.76
(w.e.f. 12.3.2003)	25.58-27.46	10.50	36.00 #	16.22	16.25-21.88	7.43
2003-04	25.97-27.79	10.50	36.00 #	16.22	16.25-23.94	7.43
2004-05	26.46-28.76	10.50	24.80-40.00	16.22	16.25-23.38	7.43
2005-06	28.28-30.22	10.50	25.93-31.70	16.22	16.25-26.88	7.43
2006-07	30.95-32.65	10.50	28.08-33.50	16.22	16.88-26.88	7.43
2007-08	32.65-48.83	10.50	31.58-36.10	16.22	16.88-26.88	7.43
2008-09	50.24 <sup>5</sup>	10.50	37.38-44.80	16.22	21.25 <sup>7</sup>	7.43
2009-10	50.24 <sup>5</sup>	10.50	39.28-44.80	16.22	21.25 <sup>8</sup>	7.43
2010-11	38.89-42.23\$	11.54	40-42-49.60	17.11-18.85\$	20.00\$	8.43\$
2011-12	38.89-68.45\$	11.54	43.56-51.60	18.85-39.61\$	20.00-39.29\$	10.00-20.13\$
2012-13	47.57-53.46\$	11.65 <sup>9</sup>	52.86-62.00	47.62\$	43.78\$	28.33\$
2013-14	53.91-56.74\$	11.65	N.A.	44.35\$	41.43\$	26.67\$
2014-15	59.93-65.78\$	11.65	N.A.	46.96\$	47.54\$	27.50\$
2015-16	58.25-61.89\$	11.65	N.A.	48.70\$	46.76\$	26.67\$

<sup>1</sup> w.e.f. March 17, 1972. <sup>4</sup> w.e.f. June 7, 1980. <sup>7</sup> w.e.f. 1.5.2008 <sup>9</sup> w.e.f. 1.11.2012.  
<sup>2</sup> As on April 1, 1972. <sup>5</sup> For imported pool material. <sup>8</sup> Upto Sept. 30, 2009. W.e.f. 1.10.2009, G.O.I. has  
<sup>3</sup> w.e.f. December 1, 1975. <sup>6</sup> w.e.f. 1.7.2008 decided to leave the selling prices of SSP open.  
# = Inclusive of all taxes N.A. = Not available.

\* Prices upto 7.6.80 include excise duty ' It was withdrawn with effect from 8-6-1980 on all fertilisers, except ammonium sulphate and calcium ammonium nitrate in which case, it was 7.5 per cent ad valorem plus 5% special duty on excise duty. This was also withdrawn with effect from 28-2-1983. \*\* = Prices of phosphatic and potassic fertilisers were decontrolled w.e.f. 25-8-92. @ = P<sub>2</sub>O<sub>5</sub> prices of DAP worked out after deducting proportionate price of N (through urea) from prices of DAP. \$ = Nutrient Based Subsidy (NBS) on P&K fertilisers and A/S was introduced w.e.f. 1.4.2010. Under NBS, retail prices are open and announced by the individual companies. The prices shown for 2010-11 to 2015-16 are indicative average prices.

**8.02 MAXIMUM RETAIL PRICES OF FERTILISERS**  
(Exclusive of VAT / State sales tax and local taxes)

**A. UREA, ZINCATED UREA AND ANHYDROUS AMMONIA**  
(Statutorily Controlled)

(Rs./tonne of product)

Period / Effective date	Urea	Zincated urea	Anhydrous Ammonia
July 11, 1981	2350	-	-
June 29, 1983	2150	-	3500 <sup>2</sup>
Jan. 31, 1986	2350	-	3770
July 25, 1991	3300	-	5280
Aug. 14, 1991	3060	4220 <sup>1</sup>	4900
Aug. 25, 1992	2760	3940	4420
June 10, 1994	3320	4480	5300
Feb. 21, 1997	3660	4800	5840
June 2, 1998	4160	5280	6700
June 13, 1998	3660	4800	5840
Jan. 29, 1999	4000	5120	6380
Feb. 29, 2000	4600	5680	7340
Feb. 28, 2002	4830	5900	7710
Feb. 28, 2003	5070	6130	8100
March 12, 2003	4830	5900	7710
April 1, 2010	5310	5852	8480
November 1, 2012	5360	5902	

Note: 1. GOI allowed indigenous urea manufacturers to produce Neem Coated Urea of their total production:

- (i) upto a maximum of 35%, w.e.f. 11.1.2011.
- (ii) cap/restriction removed, w.e.f. 7.1.2015.
- (iii) mandatory to produce 75%, notified on 24.3.2015, effective for 2015-16.
- (iv) mandatory to produce 100%, notified on 25.5.2015.

2. GOI allowed the manufacturers of Neem Coated Urea to charge 5% extra on existing MRP of Urea.

<sup>1</sup> = w.e.f. February 10, 1992

<sup>2</sup> = w.e.f. September 26, 1983

**B. AMMONIUM SULPHATE, CAN AND AMMONIUM CHLORIDE**  
(Decontrolled)

(Rs./tonne of product)

Period	Ammonium Sulphate (AS)	Calcium Ammonium Nitrate (CAN)
1998-99	4200-4400	6000*
1999-2000	4400-5050	6000*
2000-01	4850-5125	8000*
2001-02	4960-5425	8000*
2002-03	5270-5655	8000-9000*
2003-04	5350-5750	9000*
2004-05	5450-5825	6200-10000
2005-06	5825-6125 <sup>1</sup>	6483-7700 ( K )
	5925-6225 <sup>2</sup>	6709-7925 ( R )
2006-07	6375-6725	7020-8125 ( K )
		7412-8375 ( R )
2007-08	6725-7245 ( K )	7894-8725 ( K )
	7245-10058 ( R )	8182-9025 ( R )
2008-09	10350@	9345-9950 ( K )
		9821-11200 ( R )
2009-10	10350	9821-11200
2010-11	7600-8700	10106-12400
2011-12	7600-14100	10889-12900
2012-13	9800-11013	13214-15500
2013-14	11106-11689	
2014-15	12346-13550	
2015-16	12000-12750	

@ = w.e.f. 1-7-2008.

<sup>1</sup> = prior to 1.8.2005

<sup>2</sup> = w.e.f. 1.8.2005

( K ) = Kharif

( R ) = Rabi

Note: Nutrient Based Subsidy (NBS) on P&K fertilisers and A/S was introduced w.e.f. 1.4.2010. Under NBS, retail prices are open and announced by the individual companies. The prices shown for 2010-11 to 2015-16 are indicative average prices.

Source: Fertiliser manufacturers.

(Continued)

8.02 MAXIMUM RETAIL PRICES OF FERTILISERS (Exclusive of VAT/ State sales tax and local taxes) (Continued)						
C. PHOSPHATIC AND POTASSIC FERTILISERS						
(a) DAP and NP/NPK Complex Fertilisers						
(Rs./tonne of product)						
Product / Period / Effective date	Di-ammonium phosphate (DAP) (18-46-0)	Ammonium phosphate sulphate		Urea ammonium phosphate		
		16-20-0	20-20-0	24-24-0	28-28-0	14-35-14
<b>I. STATUTORILY CONTROLLED</b>						
July 11, 1981	3600	2300	2600	3050	3600	3400
June 29, 1983	3350	2150	2400	2800	3350	3150
Jan. 31, 1986	3600	2300	2600	3050	3600	3400
July 25, 1991	5040	3220	3640	4280	5040	4760
Aug. 14, 1991	4680	3000	3380	3960	4680	4420
<b>II. DECONTROLLED</b> (w.e.f. Aug. 25, 1992)						
Rabi 1992-93	6500					
	to					
	6800					
1993-94 (Kharif & Rabi)	6200			4120 to 6850		
	to					
	7000					
Kharif 1994	6900	5482	5065		6751	6848
	to	to	to		to	to
	7770	6100	6265		7770	7773
Rabi 1994-95	7544	5601	5765		6966	8100
	to	to	to		to	to
	8799	6565	6583		8799	8799
Kharif 1995	9099	6466	6000		7909	8738
	to	to	to		to	to
	9800	6879	7680		9300	8839
Rabi 1995-96	9629	6854	6000		8680	9029
	to	to	to		to	to
	10247	6904	7365		9256	
Kharif 1996	7575	5942	5131		7495	7715
	to	to	to		to	to
	8740	6731	7061		8753	7941
Rabi 1996-97	8161	6330	6165		7864	7806
	to	to	to		to	to
	9100	7300	7300		8900	8600
1997-98 (Kharif & Rabi)	8300	6400	6500		8000	7500
1998-99 (Kharif & Rabi)	8300	6400	6500		8000	7500
1999-2000						
Prior to 29.2.2000	8300	6400	6500		8000	7500
w.e.f. 29.2.2000	8900	6740	6880		8520	8100

(Continued)

8.02 MAXIMUM RETAIL PRICES OF FERTILISERS (Exclusive of VAT/ State sales tax and local taxes) (Continued)								
C. PHOSPHATIC AND POTASSIC FERTILISERS (Continued)								
(a) DAP and NP/NPK Complex Fertilisers (Continued)								
(Rs./tonne of product)								
Product / Period / Effective date	Nitrophos. with K	Nitro phosphate		NP/NPK Fertilisers				
	15-15-15	20-20-0	23-23-0	17-17-17	19-19-19	10-26-26	12-32-16	14-28-14
<b>I. STATUTORILY CONTROLLED</b>								
July 11, 1981	2100	2400	-	2600	2950	2950	3250	3050
June 29, 1983	1950	2200	-	2400	2750	2750	3000	2800
Jan. 31, 1986	2100	2400	2930 <sup>1</sup>	2600	2950	2950	3250	3050
July 25, 1991	2940	3360	4120	3640	4140	4140	4560	4280
Aug. 14, 1991	2740	3120	3800	3380	3840	3840	4220	3960
<b>II. DECONTROLLED</b> (w.e.f. Aug. 25, 1992)								
Rabi 1992-93								
1993-94 (Kharif & Rabi) 4120 to 6850								
Kharif 1994	4864	5065	6461	6189	6460	6901	6688	
	to	to	to	to	to	to	to	
	5924	6265	7006	6425	6930	7301	7288	
Rabi 1994-95	5207	5765	6480	6188	6787	7113	7114	
	to	to	to	to	to	to	to	
	5955	6583	7500	6812	7467	7851	7900	
Kharif 1995	5824	6000	7206	7243	7680	8551	8738	
	to	to	to	to	to	to	to	
	6269	7680	7900	7510	7848	8900	8940	
Rabi 1995-96	6124	6000	7767	7515	7880	8900	8938	
	to	to	to	to	to	to	to	
	6666	7365	8150	7700	8016	9091	9091	
Kharif 1996	4039	5131	6796	6596	6896	7547	7067	
	to	to	to	to	to	to	to	
	6647	7061	7700	6829	7185	8053	7680	
Rabi 1996-97	5804	6165	6960	6577	7182	7554	7413	7670
	to	to	to	to	to	to	to	to
	6500	7300	7700	7652	7553	8117	8348	7749
1997-98 (Kharif & Rabi)	6200	6500	7100	7200	7300	7300	7400	7300
1998-99 (Kharif & Rabi)	6200	6500	7100	7200	7300	7300	7400	7300
1999-2000								
Prior to 29.2.2000	6200	6500	7100	7200	7300	7300	7400	7300
w.e.f. 29.2.2000	6620	6880	7540	7680	7840	7880	7960	7820
<sup>1</sup> = w.e.f. February 19, 1991.								

(Continued)

**8.02 MAXIMUM RETAIL PRICES OF FERTILISERS**  
**(Exclusive of VAT/ State sales tax and local taxes) (Continued)**

**C. PHOSPHATIC AND POTASSIC FERTILISERS (Continued)**

**(a) DAP and NP/NPK Complex Fertilisers (Concluded)**

(Rs./tonne of product)

Product / Period / Effective date	Di-ammonium phosphate (DAP) (18-46-0)	Ammonium phosphate sulphate		Urea ammonium phosphate		
		16-20-0	20-20-0	24-24-0	28-28-0	14-35-14
2000-01	8900	6740	6880		8520	8100
2001-02						
(prior to 28.2.2002)	8900	6740	6880		8520	8100
(w.e.f 28.2.2002)	9350	7100	7280		9080	8660
2002-03						
(prior to 28.2.2003)	9350	7100	7280		9080	8660
(w.e.f 28.2.2003)	9550	7300	7480		9280	8860
(w.e.f 12.3.2003)	9350	7100	7280		9080	8660
2003-04 to 2007-08	9350	7100	7280		9080	8660
2008-09						
(prior to 18.6.2008)	9350	7100	7280		9080	8660
(w.e.f. 18.6.2008)	9350	5875	6295		7481	8185
2009-10	9350*	5875	6295		7481	8185

\* = MRP of DAP and MAP.

(Continued)

**8.02 MAXIMUM RETAIL PRICES OF FERTILISERS**  
(Exclusive of VAT/ State sales tax and local taxes) (Continued)

**C. PHOSPHATIC AND POTASSIC FERTILISERS (Continued)**

**(a) DAP and NP/NPK Complex Fertilisers (Concluded)**

(Rs./tonne of product)

Product / Period / Effective date	Nitrophos. with K	Nitro phosphate		NP/NPK Fertilisers				
	15-15-15	20-20-0	23-23-0	17-17-17	19-19-19	10-26-26	12-32-16	14-28-14
2000-01	6620	6880	7540	7680	7840	7880	7960	7820
2001-02								
(prior to 28.2.2002)	6620	6880	7540	7680	7840	7880	7960	7820
(w.e.f 28.2.2002)	6980	7280	8000	8100	8300	8360	8480	8300
2002-03								
(prior to 28.2.2003)	6980	7280	8000	8100	8300	8360	8480	8300
(w.e.f 28.2.2003)	7180	7480	8200	8300	8500	8560	8680	8500
(w.e.f 12.3.2003)	6980	7280	8000	8100	8300	8360	8480	8300
2003-04 to 2007-08	6980	7280	8000	8100	8300	8360	8480	8300
2008-09								
(prior to 18.6.2008)	6980	7280	8000	8100	8300	8360	8480	8300
(w.e.f. 18.6.2008)	5121	5343	6145	5804	6487	7197	7637	7050
2009-10	5121	5343	6145	5804	6487	7197	7637	7050

Note: Nutrient Based Subsidy (NBS) on P&K fertilisers and A/S was introduced w.e.f. 1.4.2010. Under NBS, retail prices are open and announced by the individual companies.

(Continued)

8.02 MAXIMUM RETAIL PRICES OF FERTILISERS (Exclusive of VAT / State sales tax and local taxes) (Continued)				
C. PHOSPHATIC AND POTASSIC FERTILISERS (Continued)				
(b) Straight Phosphatic and Potassic Fertilisers				
I. STATUTORILY CONTROLLED (Rs./tonne of product)				
Product / Period / Effective date	Single super phosphate			Muriate of potash
	16% w.s. P <sub>2</sub> O <sub>5</sub>		14% w.s. P <sub>2</sub> O <sub>5</sub>	
	(Powder)	(Granular)	(Powder)	
July 11, 1981	940 <sup>6</sup>	1070 <sup>7</sup>	820 <sup>7</sup>	1300
June 29, 1983	850	1000	750	1200
Jan. 31, 1986	950	1100	820	1300
July 25, 1991	1340	1540	1160	1820
Aug. 14, 1991	1240	1440	1080	1700
II. DECONTROLLED (w.e.f. Aug. 25, 1992)				
Product / Period / Effective date	Single super phosphate			Muriate of potash
	16% w.s. P <sub>2</sub> O <sub>5</sub>			
	(Powder)	(Granular)		
Rabi 1992-93	2400 to 2800			4500
1993-94 (Kharif & Rabi)	1800 to 2760			3600 to 4000
Kharif 1994	1860 to 2480		2060 to 2637	3562 to 3900
Rabi 1994-95	2100 to 2700		2250 to 2680	3676 to 3940
Kharif 1995	2286 to 2825		2402 to 3017	3619 to 4543
Rabi 1995-96	2600 to 2913		2800 to 3109	4200 to 4800
Kharif 1996	2229 to 3080		2419 to 3280	3714 to 4300
Rabi 1996-97	2600 to 3080		2800 to 3280	3974 to 4500
1997-98 (Kharif & Rabi)	2500 to 3000		2700 to 3200	3700
1998-99 (Kharif & Rabi)	2500 to 3000		2740 to 3200	3700
1999-2000	- Prior to 29.2.2000	2500 to 3000	2740 to 3200	3700
	- w.e.f. 29.2.2000	2500 to 3000	2740 to 3200	4255
2000-01	2500 to 3500		2740 to 3200	4255
2001-02	2500 to 3500		2740 to 3200	4255 4455 <sup>8</sup>
2002-03	- Prior to 28.2.2003	2600 to 3500	2840 to 3474	4455
	- w.e.f. 28.2.2003	2600 to 3500	2840 to 3474	4655
	- w.e.f. 12.3.2003	2600 to 3500	2840 to 3474	4455

(Continued)



<b>8.02 MAXIMUM RETAIL PRICES OF FERTILISERS</b> (Exclusive of VAT / State sales tax and local taxes) (Continued)			
<b>C. PHOSPHATIC AND POTASSIC FERTILISERS (Continued)</b>			
<b>(b) Straight Phosphatic and Potassic Fertilisers (Concluded)</b>			
<b>II. DECONTROLLED (w.e.f. Aug. 25, 1992) (Concluded)</b>			(Rs./tonne of product)
Product / Period / Effective date	Single super phosphate 16% w.s. P <sub>2</sub> O <sub>5</sub>		Muriate of potash
	(Powder)	(Granular)	
2003-04	2600 to 3830	2840 to 3830	4455
2004-05	2600 to 3740	2840 to 3940	4455
2005-06	2600 to 4300 (3425 to 5229)	2840 to 3940	4455
2006-07	2700 to 4300 (3425 to 6400)	2900 to 4000	4455
2007-08	2700 to 4300 (3425 to 7000) [3660-4110]	2900 to 4200	4455
2008-09	3400*	TSP : 7460	3800* 4455
2009-10	3400*	TSP : 7460	3800* 4455

\* = w.e.f. 1-5-2008. For Boronated SSP, manufacturers /marketers are allowed to charge additional 10% of the MRP. W.e.f. 1.10.2009, G.O.I. has decided to leave the selling prices of SSP open.  
 ( ) = MRP for N.E. States. <sup>6</sup> = w.e.f. May 23, 1982. <sup>7</sup> = w.e.f. July 13, 1982.  
 [ ] = Price of boronated SSP. <sup>8</sup> = w.e.f. Feb. 28, 2002.

Note = 1. Nutrient Based Subsidy (NBS) on P&K fertilisers and A/S was introduced w.e.f. 1.4.2010 and on SSP w.e.f 1.5.2010. Under NBS, retail prices are open and announced by the individual companies.  
 2 :The minimum and maximum prices of granular superphosphate mentioned above are not corresponding to the minimum and maximum prices of powder SSP. Currently, the differential between powder and granular SSP is about Rs.200 to Rs. 240 per tonne varying from state to state.

(Continued)

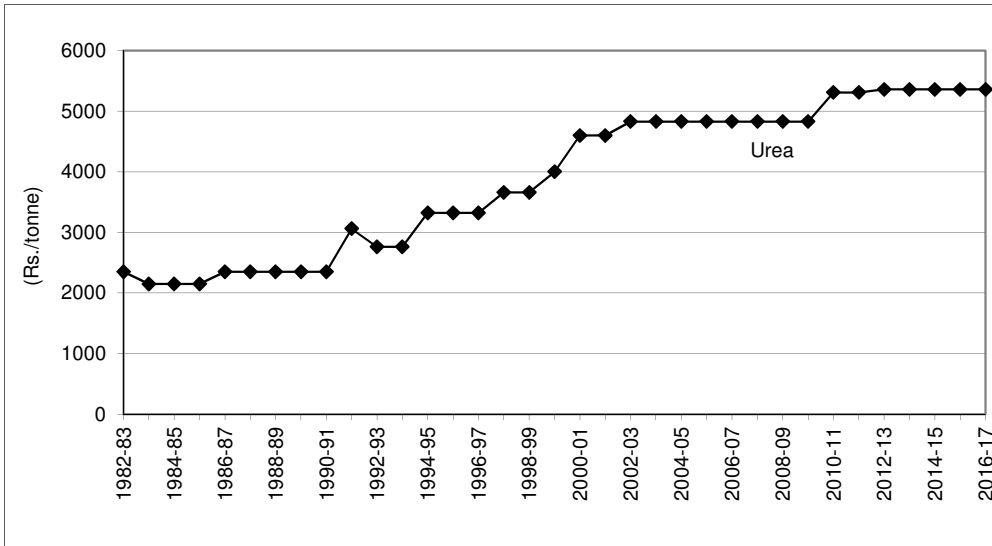
8.02 MAXIMUM RETAIL PRICES OF FERTILISERS (Exclusive of VAT/ State sales tax and local taxes) (Concluded) 2010-11 and 2011-12						
C. PHOSPHATIC AND POTASSIC FERTILISERS (Concluded) (Rs / tonne)						
Fertiliser	2010-11		2011-12			
	Quarters I - III (April/Dec.'10)	Quarter IV (Jan./March'11)	Quarter I (April/June'11)	Quarter II (July/Sept.'11)	Quarter III (Oct./Dec.'11)	Quarter IV (Jan./March'12)
DAP (18-46-0)	9950	10750	10750-12500	12630-18200	18300-20297	20000-20123
DAP Lite (16-44-0)	-	-	11760	12373-17600	17820-19500	19500
DAP Lite II (14-46-0)	-	-	-	14900	14900-18690	18300-18512
MAP (11-52-0)	9950	10750	-	18200	18200-20000	20000
MAP Lite (11-44-0)	-	-	-	15700-16000	15700-18000	18000
SSP (16% WS P <sub>2</sub> O <sub>5</sub> ) (Powder)	3200	3200	3200	4000-6000	4000-6000	6000-6286
TSP (46% WS P <sub>2</sub> O <sub>5</sub> )	8057	8057	8057	8057	8057-17000	17000
MOP (60 % K <sub>2</sub> O)	5055	5055	6000-6064	6064-11300	11300-12040	12040-12080
16-20-0-13(S)	6620	7200	6620-9645	10632-14400	14495-15300	15300
20-20-0	5943-6243	7643	7990-9861	10900-14000	14135-15500	14800-15500
20-20-0-13(S)	7280-7395	8095	10488-11400	11087-14800	14800-15800	15800
23-23-0	6745-7045	7045-7445	7445	7445	-	-
24-24-0	-	7768	7768-9000	10000-11550	12455-14151	14151-14297
28-28-0	8281	11181	11524-11810	14156-15740	15740-18512	18512-18700
10-26-26	8197-8300	10103	10800-10910	12096-16000	16633	17633-17643
12-32-16	8237-8637	9437	11200-11313	12756-16400	16400-16500	16500-16619
14-28-14	No Sale	No Sale	-	13576-14950	14950-17029	17029
14-35-14	8785	9900	11337-11622	13365-15148	15148-17424	17424-17600
15-15-15	5721-5820	7421	5820-8200	5820-11000	11000-11500	11500-12000
15-15-15-09(S)	-	-	8000-9300	9700-12900	14851-15750	15000-15600
16-16-16	-	7100	7100	7100	6010-15200	15200
17-17-17	No Sale	No Sale	No Sale	No Sale	No Sale	17710
13-33-0-6(S)	-	-	-	16200	16200-17400	17400
19-19-19	No Sale	No Sale	No Sale	No Sale	No Sale	18093

(S) = Sulphur.

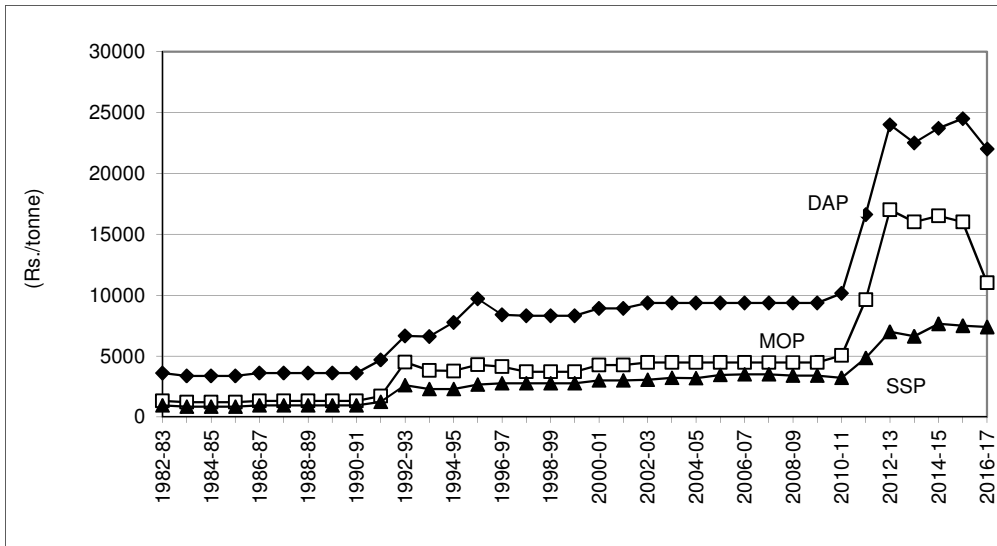
Note: Nutrient Based Subsidy (NBS) on P&K fertilisers and A/S was introduced w.e.f. 1.4.2010. Under NBS, retail prices are open and announced by the individual companies. The prices shown for 2010-11 and 2011-12 are indicative prices.

Source: 1. www.fert.nic.in. As per the records entered in FMS by the companies.  
2. Rajya Sabha Unstarred Question No. 2528 Answered on 27.4.2012.  
3. *Indian Fertilizer Scenario - 2012*, Deptt.of Fertilizers, Ministry of Chemicals & Fertilizers, GOI, New Delhi.

**Fig. 12: MAXIMUM RETAIL PRICES OF UREA  
1982-83 TO 2016-17**



**Fig. 13: AVERAGE RETAIL PRICES OF DAP, SSP AND MOP  
1982-83 TO 2016-17\***



Note: The above prices are exclusive of VAT/Sales tax and local taxes.

\* = MRP for 2010-11 to 2016-17 are the average prices during the year.

8.03(a) ECONOMICS OF APPLICATION OF N, P <sub>2</sub> O <sub>5</sub> & K <sub>2</sub> O ON PADDY, WHEAT, GRAM AND SORGHUM							
Particulars	1971-72	1981-82	1991-92 Effective+ 14.8.91	1992-93		1995-96	
				Prior to+ 25.8.92	Effective+ 25.8.92@	(Kharif)+	(Rabi)+
<b>A. FERTILISER &amp; FOODGRAINS PRICES (Rs./Kg.)</b>							
<b>Nutrient prices (Rs./Kg.)</b>							
1. N based on Urea	2.01	5.11	6.65	6.65	6.00	7.22	7.22
2. P <sub>2</sub> O <sub>5</sub> based on :							
SSP	2.89	4.88	7.75	7.75	15.00	14.29	16.25
to	to	to			to	to	to
_____	3.53	6.11			17.50	17.66	18.21
DAP	1.86	5.83	7.57	7.57	11.78	16.96	18.11
to					to	to	to
_____					12.43	18.48	19.45
3. K <sub>2</sub> O based on MOP	0.89	2.17	2.83	2.83	7.50	6.03	7.00
						to	to
						7.57	8.00
<b>Output prices(Rs./Kg.) (Crop Year)</b>							
4. Procurement prices of paddy	0.53	1.15	2.30	2.70	2.70	3.60	3.60
5. Procurement prices of wheat	0.76	1.30	2.50	3.30	3.30	3.80	3.80
6. Procurement prices of gram	-	1.45	5.00	6.00	6.00	7.00	7.00
7. Procurement prices of sorghum	0.55	1.16	2.05	2.40	2.40	3.00	3.00
<b>B. PHYSICAL RETURN</b>							
<b>PADDY</b>							
8. Kg. of paddy required to buy 1 kg. N	3.79	4.44	2.89	2.46	2.22	2.01	2.01
9. Kg. of paddy required to buy 1 kg. P <sub>2</sub> O <sub>5</sub>							
- as SSP	5.45	4.24	3.37	2.87	5.56	3.97	4.51
to	to	to			to	to	to
_____	6.66	5.31			6.48	4.91	5.06
- as DAP	3.51	5.07	3.29	2.80	4.36	4.71	5.03
to					to	to	to
_____					4.60	5.13	5.40
10. Kg. of paddy required to buy 1 kg. K <sub>2</sub> O	1.68	1.89	1.23	1.05	2.78	1.68	1.94
						to	to
						2.10	2.22
<p>Prices of fertilisers mentioned against years 1971-72 are as on 1st April.</p> <p>+ = This represents effective date from which particularly prices changed.</p> <p>@ = Urea price reduced by 10%, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O prices decontrolled. Prices of P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O used here are after deducting adhoc subsidy element as prescribed by the G.O.I..</p>							
(Continued)							

8.03(a) ECONOMICS OF APPLICATION OF N, P <sub>2</sub> O <sub>5</sub> & K <sub>2</sub> O ON PADDY, WHEAT, GRAM AND SORGHUM (Cont.)									
Particulars	2001-02		2005-06	2010-11	2012-13	2013-14	2014-15	2015-16	2016-17(P)
	Prior to Feb. 28 2002	w.e.f Feb. 28 2002							
<b>A. FERTILISER &amp; FOODGRAINS PRICES (Rs./Kg.)</b>									
<b>Nutrient prices (Rs./Kg.)</b>									
1. N based on Urea	10.00	10.50	10.50	11.54	11.59*	11.65	11.65	11.65	11.65
2. P <sub>2</sub> O <sub>5</sub> based on :									
SSP	15.63 to 21.88	15.63 to 21.88	16.25 to 26.88	20.00	43.78	41.43	47.54	46.76	46.10
DAP	15.43	16.22	16.22	17.11 to 18.85	47.62	44.35	46.96	48.70	43.27
3. K <sub>2</sub> O based on MOP	7.09	7.43	7.43	8.43	28.33	26.67	27.50	26.67	18.33
<b>Output prices(Rs./Kg.) (Crop Year)</b>									
4. Procurement prices of paddy	5.30	5.30	5.70	10.00	12.50	13.10	13.60	14.10	14.70
			@	@					
5. Procurement prices of wheat	6.20	6.20	7.00	11.70	13.50	14.00	14.50	15.25	
6. Procurement prices of gram	12.00	12.00	14.35	21.00	30.00	31.00	31.75	35.00 #	
7. Procurement prices of sorghum	4.85	4.85	5.25	8.80	15.00	15.00	15.30	15.70	16.25
<b>B. PHYSICAL RETURN</b>									
<b>PADDY</b>									
8. Kg. of paddy required to buy 1 kg. N	1.89	1.98	1.84	1.15	0.93	0.89	0.86	0.83	0.79
9. Kg. of paddy required to buy 1 kg. P <sub>2</sub> O <sub>5</sub>									
- as SSP	2.95 to 4.13	2.95 to 4.13	2.85 to 4.72	2.00	3.50	3.16	3.50	3.32	3.14
- as DAP	2.91	3.06	2.85	1.71 to 1.89	3.81	3.39	3.45	3.45	2.94
10. Kg. of gram required to buy 1 kg. K <sub>2</sub> O	1.34	1.40	1.30	0.84	2.27	2.04	2.02	1.89	1.25
<p>* = Average price.            @ = Includes an additional incentive bonus of Rs. 50 per quintal was paid over the MSP.            # = Includes an additional incentive bonus of Rs. 75 per quintal was paid over the MSP.</p>									
(Continued)									

8.03(a) ECONOMICS OF APPLICATION OF N, P <sub>2</sub> O <sub>5</sub> & K <sub>2</sub> O ON PADDY, WHEAT, GRAM AND SORGHUM (Cont.)							
Particulars	1971-72	1981-82	1991-92 Effective+ 14.8.91	1992-93		1995-96	
				Prior to+ 25.8.92	Effective+ 25.8.92@	(Kharif)+	(Rabi)+
<b>B. PHYSICAL RETURN</b>							
<b>WHEAT</b>							
11. Kg. of wheat required to buy 1 kg. N	2.64	3.93	2.66	2.02	1.82	1.90	1.90
12. Kg. of wheat required to buy 1 kg. P <sub>2</sub> O <sub>5</sub>							
- as SSP	3.80	3.75	3.10	2.35	4.55	3.76	4.28
	to	to			to	to	to
	4.64	4.70			5.30	4.65	4.79
- as DAP	2.45	4.48	3.03	2.29	3.57	4.46	4.77
					to	to	to
					3.77	4.86	5.12
13. Kg. of wheat required to buy 1 kg. K <sub>2</sub> O	1.17	1.67	1.13	0.86	2.27	1.59	1.84
						to	to
						1.99	2.11
<b>GRAM</b>							
14. Kg. of gram required to buy 1 kg. N		3.52	1.33	1.11	1.00	1.03	1.03
15. Kg. of gram required to buy 1 kg. P <sub>2</sub> O <sub>5</sub>							
- as SSP		3.37	1.55	1.29	2.50	2.04	2.32
		to			to	to	to
		4.21			2.92	2.52	2.60
- as DAP		4.02	1.51	1.26	1.96	2.42	2.59
					to	to	to
					2.07	2.64	2.78
16. Kg. of gram required to buy 1 kg. K <sub>2</sub> O		1.50	0.57	0.47	1.25	0.86	1.00
						to	to
						1.08	1.14
<b>SORGHUM</b>							
17. Kg. of sorghum required to buy 1 kg. N	3.65	4.41	3.24	2.77	2.50	2.41	2.41
18. Kg. of sorghum required to buy 1 kg. P <sub>2</sub> O <sub>5</sub>							
- as SSP	5.25	4.21	3.78	3.23	6.25	4.76	5.42
	to	to			to	to	to
	6.42	5.27			7.29	5.89	6.07
- as DAP	3.38	5.03	3.69	3.15	4.91	5.65	6.04
					to	to	to
					5.18	6.16	6.48
19. Kg. of sorghum required to buy 1 kg. K <sub>2</sub> O	1.62	1.87	1.38	1.18	3.13	2.01	2.33
						to	to
						2.52	2.67
(Continued)							

8.03(a) ECONOMICS OF APPLICATION OF N, P <sub>2</sub> O <sub>5</sub> & K <sub>2</sub> O ON PADDY, WHEAT, GRAM AND SORGHUM (Concluded)									
Particulars	2001-02		2005-06	2010-11	2012-13	2013-14	2014-15	2015-16	2016-17(P)
	Prior to Feb. 28 2002	w.e.f Feb. 28 2002							
<b>B. PHYSICAL RETURN</b>									
<b>WHEAT</b>									
11. Kg. of wheat required to buy 1 kg. N	1.61	1.69	1.50	0.99	0.86	0.83	0.80	0.76	
12. Kg. of wheat required to buy 1 kg. P <sub>2</sub> O <sub>5</sub>									
- as SSP	2.52	2.52	2.32	1.71	3.24	2.96	3.28	3.07	
to			to						
	3.53	3.53	3.84						
- as DAP	2.49	2.62	2.32	1.46	3.53	3.17	3.24	3.19	
13. Kg. of gram required to buy 1 kg. K <sub>2</sub> O	1.14	1.20	1.06	0.72	2.10	1.91	1.90	1.75	
<b>GRAM</b>									
14. Kg. of gram required to buy 1 kg. N	0.83	0.88	0.73	0.55	0.39	0.38	0.37	0.33	
15. Kg. of gram required to buy 1 kg. P <sub>2</sub> O <sub>5</sub>									
- as SSP	1.30	1.30	1.13	0.95	1.46	1.34	1.50	1.34	
to			to						
	1.82	1.82	1.87						
- as DAP	1.29	1.35	1.13	0.81	1.59	1.43	1.48	1.39	
16. Kg. of gram required to buy 1 kg. K <sub>2</sub> O	0.59	0.62	0.52	0.40	0.94	0.86	0.87	0.76	
<b>SORGHUM</b>									
17. Kg. of sorghum required to buy 1 kg. N	2.06	2.16	2.00	1.31	0.77	0.78	0.76	0.74	0.72
18. Kg. of sorghum required to buy 1 kg. P <sub>2</sub> O <sub>5</sub>									
- as SSP	3.22	3.22	3.10	2.27	2.92	2.76	3.11	2.98	2.84
to			to						
	4.51	4.51	5.12						
- as DAP	3.18	3.34	3.09	1.94	3.17	2.96	3.07	3.10	2.66
19. Kg. of sorghum required to buy 1 kg. K <sub>2</sub> O	1.46	1.53	1.42	0.96	1.89	1.78	1.80	1.70	1.13

8.03 (b) ECONOMICS OF SULPHUR FERTILISER APPLICATION												
Crop	Price (2015-16) Rs./kg	Yield increase* kg grain/kg S	Value of grain Rs./kg S	Value : Cost ratio								
Paddy	14.10	28	394.8	7.1								
Wheat	15.25	24	366.0	6.5								
Maize	13.25	26	344.5	6.2								
Sorghum	15.70	20	314.0	5.6								
Soybean	26.00	12	312.0	5.6								
Groundnut	40.30	9	362.7	6.5								
Mustard	33.50	20	670.0	12.0								
* = Data presented in the TSI/FAI/IFA Symposium on 'Sulphur in Balanced Fertilization' held during October 4-5, 2006 at New Delhi.. Latest average price of 1kg S = Rs.56.												
8.03 (c) RESPONSE RATIOS FOR DIFFERENT CROP GROUPS ( ALL INDIA)												
Crop	Area ('000 ha)	Av. Control yield (kg./kg.)	Average Response Ratio (kg/kg)									
			Over Control				P Over		K Over			
			N	NP	NK	NPK	N	NK	N	NP	K	
Cereal	99,757	1,823	8.45	8.90	8.58	8.61	10.06	11.44	10.75	9.20	11.03	10.11
Pulses	20,026	586	8.11	7.53	8.97	7.12	7.22	5.95	6.59	12.09	5.32	8.70
Oilseed	23,250	823	8.07	4.79	6.49	4.92	4.20	4.95	4.57	5.60	7.04	6.32
Foodgrain		1,487	8.34	8.04	8.29	7.80	8.71	9.61	9.16	9.02	9.58	9.30
Source: Report of the Task force on balanced use of fertilizers (October 2005), Ministry of Agriculture, Department of Agriculture & Cooperation, Govt. of India.												
8.03 (d) RESPONSE RATIOS FOR DIFFERENT CROPS (ALL INDIA)												
Crop	* Area '000 ha	No. of trials	Average control yield (kg./ha.)	Average response ratio (kg./kg.)								
				Over control				K over				
				N	NP	NK	NPK	P over	N	NP	K	
Rice	44361	1498	2392	11.39	11.75	11.3	10.6	12.9	14.7	11.6	13.9	
Jowar	9991	42	829	3.38	4.07	4.37	5.09	5.45	7.24	6.37	8.2	
Bajra	9811	229	998	4.46	4.55	4.45	4.61	4.96	5.14	4.23	4.85	
Maize	6557	261	1302	12.55	13.35	12.85	13.4	15.1	14.8	14.4	14.7	
Wheat	25066	967	1595	6.2	6.59	6.25	6.78	7.44	8.3	6.49	7.94	
Cotton	9166	88	1124	4.94	5.47	5.06	6.33	6.28	10.4	7.32	11.5	
Groundnut	6867	31	870	12.61	6.06	9.58	5.74	4.36	4.94	7.93	8.33	
Mustard	6027	190	570	4.59	4.73	4.76	5.22	4.92	6.44	5.62	8.28	
Soyabean	6418	127	960	9.6	4.78	7.68	5.44	3.45	4.14	5.77	8.38	
Sunflower	1335	5	1093	6.45	7.86	3.54	6.54	8.99	11.3	0.63	3.57	
Castor	1077	16	2279	0.89	1.39	1.5	2.01	3.39	4.36	4.12	5.09	
Bengalgram	0	15	832	11.75	8.97	16.09	8.75	7.57	3.61	26.9	7.09	
Pea	0	11	465	8.26	11.66	6.02	10	13.2	13.4	3.45	3.95	
Blackgram	0	16	387	4.09	3.04	3.92	3.32	2.51	2.71	3.76	4.16	
Note: (i) * = Area under different crops for the year 2000-2001. (ii) - = indicates that Area for these crops is not available.												
Source: Report of the Task force on balanced use of fertilizers (October 2005), Ministry of Agriculture, Department of Agriculture & Cooperation, Govt. of India.												



8.04 VALUE ADDED TAX (VAT) AND OTHER LOCAL TAXES ON FERTILISERS (As on 1st November, 2016)			
Name of the state	Name of the tax	Rate	Whether it can be passed on to the buyer ( Y for Yes and N for No)
<b>East</b>			
Assam	VAT	5%	Y
Bihar	VAT	5%	Y
Jharkhand	VAT	5%	Y
Odisha	VAT	5%	Y
West Bengal	VAT	5%	Y
Manipur	VAT	5%	Y
Meghalaya	VAT	5%	Y
Mizoram	VAT	5%	Y
Nagaland	VAT	5%	Y
Tripura	VAT	5%	Y
Arunachal Pradesh	VAT	4%	y
<b>North</b>			
Uttar Pradesh	VAT (applicable on nitrogenous fertilisers and nitrogen and S component of NP/NPK complexes only)	5%	Y
Uttarakhand	VAT (applicable on nitrogenous fertilisers and nitrogen component of NP/NPK complexes only)	5%	Y
<b>South</b>			
Andhra Pradesh	VAT	5%	Y
Karnataka	VAT	5.5%	Y
Telangana	VAT	5%	Y
<b>West</b>			
Gujarat	VAT	5%	Y
Madhya Pradesh	VAT	5%	Y
	Entry Tax	1%	Y
Chhattisgarh	VAT	5%	Y
Maharashtra	VAT	5%	Y
	Toll Tax	varies from place to place	N
	Any other local Tax (Octroi)	1% to 3% varies from place to place	-
Rajasthan	VAT	5.5%	Y
Goa	VAT	5%	Y
Notes : 1. States where there is no VAT on fertilisers have been excluded from the list. 2. W.e.f. 1st March 2011, Central Excise Duty (incl. education cess) @1.03% is leviable separately in addition to VAT and other local taxes.			

<b>8.05 SUBSIDY ON SOIL CONDITIONERS (By State Governments)</b>	
<b>Zone/State</b>	<b>Subsidy on Gypsum / Fertiliser</b>
<b>North</b>	
1 Uttar Pradesh	(i) 75% subsidy under Usher Sudhar Yojana. Max. limit on the basis of soil testing (ii) 75% subsidy under NFSM & NMOOP scheme. Max. limit @1000/ha. (iii) 75% subsidy under general state scheme. No max. limit
2 Uttarakhand	(i) 25%. Maximum limit @ Rs.500/ha (ii) 50% in micro mode yojana (iii) 50% subsidy on micronutrients
3 Haryana	(i) 60% under NMOOP scheme. Max. limit 10 bag/ha. (ii) 60% subsidy under NFSM for wheat & pulses. Max. limit 5 bag/ha. (iii) 50% for soil reclamation. Max. limit 5 tonne/ha. (iv) 50% subsidy amount is equally shared by Centre & State Govt.+10% additional subsidy is given by State Govt. under NMOOP & NFSM Scheme.
4 Himachal Pradesh	50% subsidy
5 Punjab	(i) Supply of gypsum for reclamation in area with high RSC ground water @50% of the cost limited to Rs.25,000/ha or Rs.50,000/- per beneficiary as per NMSA (on pilot basis). (ii) Subsidy amount is equally shared by Centre & State Govt.
<b>West</b>	
1 Rajasthan	(i) 50% under NMSA Scheme (ii) 50% under NMOOP. Max. limit @Rs.750/ha. (iii) 50% subsidy under NFSM. Max. limit @Rs.750/ha. (iv) 50% under soil reclamation. Max. limit @ 5 tonne/ha. (v) Subsidy amount is equally shared by Centre & State Govt.
<p>Note: NFSM = National Food Security Mission. NMOOP = National Mission on Oilseeds and Oil Palm. NMSA = National Mission on Sustainable Agriculture.</p>	

8.06 (a) CENTRAL SUBSIDY ON FERTILISERS (1976-77 to 1991-92)					
(Rs. crore)					
Year	All Fertilisers				
	Imported	Indigenous		Total	
1976-77	N.A.	N.A.		60	
1977-78	241	25		266	
1978-79	171	172		343	
1979-80	283	321		604	
1980-81	335	170		505	
1981-82	100	275		375	
1982-83	55	550		605	
1983-84	142	900		1,042	
1984-85	727	1,200		1,927	
1985-86	324	1,600		1,924	
1986-87	197	1,700		1,897	
1987-88	114	2,050		2,164	
1988-89	201	3,000		3,201	
1989-90	771	3,771		4,542	
1990-91	659	3,730		4,389	
1991-92	1,300	3,500		4,800	
1 crore = 10 million.					
8.06 (b) CENTRAL SUBSIDY ON FERTILISERS (1992-93 to 2016-17)					
(Rs. crore)					
Year	Urea			Decontrolled P & K Fertilisers	Total subsidy on all fertilisers
	Imported	Indigenous	Total		
1992-93	996	4,800	5,796	340 *	6,136
1993-94	599	3,800	4,399	517 *	4,916
1994-95	1,166	4,075	5,241	528	5,769
1995-96	1,935	4,300	6,235	500	6,735
1996-97	1,163	4,743	5,906	1,672	7,578
1997-98	722	6,600	7,322	2,596	9,918
1998-99	333	7,473	7,806	3,790	11,596
1999-2000	74	8,670	8,744	4,500	13,244
2000-01	1	9,480	9,481	4,319	13,800
2001-02	47	8,044	8,091	4,504	12,595
2002-03	-	7,790	7,790	3,225	11,015
2003-04	-	8,521	8,521	3,326	11,847
2004-05	494	10,243	10,737	5,142	15,879
2005-06	1,211	10,653	11,864	6,596	18,460
			[12,793]	[6,596]	[19,390]
2006-07	3,274	12,650	15,924	10,298	26,222
			[17,721]	[10,298]	[28,019]
2007-08	6,606	16,450	23,056	16,934	39,990
			[26,385]	[16,934]	[43,319]
2008-09	10,079	20,969	31,048	65,555 *	96,603
			[33,940]	[65,555]	[99,495]
2009-10	4,603	17,580	22,183	39,081	61,264
			[24,580]	[39,452]	[64,032]
2010-11	6,454	15,081	21,535	40,766	62,301
			[24,337]	[41,500]	[65,837]
2011-12	13,716	20,208	33,924	36,089	70,013
			[37,683]	[36,108]	[73,791]
2012-13	15,133	20,000	35,133	30,480	65,613
			[40,016]	[30,576]	[70,592]
2013-14	11,538	26,500	38,038	29,301	67,339
			[41,853]	[29,427]	[71,280]
2014-15	12,223	38,200	50,423	20,653	71,076
			[54,400]	[20,667]	[75,067]
2015-16 (RE)	12,300	38,200	50,500	21,938	72,438
2016-17 (BE)	11,000	40,000	51,000	19,000	70,000
* = Assistance for fertiliser promotion.			1 crore = 10 million.		
1 = Including special security (Fertiliser Bonds) of Rs.3500 crore.			(RE) = Revised Estimate.		
2 = Including special security (Fertiliser Bonds) of Rs.4000 crore.			(BE) = Budget Estimate.		
3 = Including special security (Fertiliser Bonds) of Rs.3000 crore.			[ ] = Actual subsidy released.		
4 = Including special security (Fertiliser Bonds) of Rs.17000 crore.					
Source: 1. Annual Reports, Deptt. of Fertilizers. 2. Expenditure Budget, Vol. I, G.O.I.					

<b>8.06 ( c ) CENTRAL SUBSIDY ON FOOD</b>			
<b>(1976-77 to 2016-17)</b>			
(Rs. crore)			
Year	Food Subsidy	Year	Food Subsidy
1976-77	477	1997-98	7,900
1977-78	480	1998-99	9,100
1978-79	569	1999-2000	9,434
1979-80	600	2000-01	12,060
1980-81	650	2001-02	17,499
1981-82	700	2002-03	24,176
1982-83	711	2003-04	25,181
1983-84	835	2004-05	25,798
1984-85	1,101	2005-06	23,077
1985-86	1,650	2006-07	24,014
1986-87	2,000	2007-08	31,328
1987-88	2,000	2008-09	43,751
1988-89	2,200	2009-10	58,443
1989-90	2,476	2010-11	63,844
1990-91	2,450	2011-12	72,822
1991-92	2,850	2012-13	85,000
1992-93	2,800	2013-14	92,000
1993-94	5,537	2014-15	1,17,671
1994-95	5,100	2015-16 (RE)	139419
1995-96	5,377	2016-17 (BE)	134835
1996-97	6,066		
1 crore = 10 million.			
(P) = Provisional.			
(RE) = Revised Estimate. (BE) = Budget Estimate.			

**8.06 (d) RATES OF CONCESSION FOR PHOSPHATIC AND POTASSIC FERTILISERS  
(1992-93 to 2006-07)**

(Rs./tonne)

Year	Period	DAP (Imported)	DAP (Indigenous )	10-26-26	12-32-16	14-28-14	14-35-14	15-15-15	16-20-0	17-17-17	19-19-19	20-20-0	23-23-0	28-28-0	SSP	MOP
<b>1992-93</b>	1st Oct - 31st March	1000	1000	999	962	-	994	576	435	653	730	435	500	609	-	1000
<b>1993-96</b>	1993-94 to 1995-96	-	1000	999	962	-	994	576	435	653	730	435	500	609	340	1000
<b>1996-97</b>	1st April - 5th July	-	1000	999	962	-	994	576	435	653	730	435	500	609	340	1000
	6th July - 31st March	1500	3000	2346	2487	2176	2633	1353	1304	1534	1714	1304	1500	1826	500	1500
<b>1997-98</b>	1st April - 30th Sept	2250	3750	2986	3142	2749	3320	1723	1630	1953	2182	1630	1875	2283	600	2000
	1st Oct - 31st March	2000	3500	2844	2968	2597	3130	1641	1522	1860	2079	1522	1750	2131	600	2000
<b>1998-99</b>	1st April - 30th Sept	3400	4400	3777	3827	3590	4071	2814	2477	3189	3564	2752	3165	3853	600	3000
	1st Oct - 31st Dec	3400	4285	3712	3748	3514	3983	2760	2412	3128	3496	2680	3082	3752	900	3000
	1st Jan - 31st March	3200	4000	3550	3550	3325	3763	2625	2250	2975	3325	2500	2875	3500	900	3000
<b>1999-2000</b>	1st April - 30th June	3050	4150	3742	3718	3480	3934	2757	2333	3125	3492	2592	2981	3629	900	3250
	1st July - 30th Sept	3200	4250	3820	3802	3559	4024	2817	2390	3193	3568	2656	3054	3718	900	3300
	1st Oct - 31st Dec	3200	4300	3849	3837	3592	4063	2841	2419	3220	3599	2688	3091	3763	900	3300
	1st Jan - 28th Feb	3250	4550	4010	4021	3767	4265	2970	2560	3366	3762	2844	3271	3982	900	3350
	29th Feb - 31st March	1050	3900	3407	3427	3212	3638	2528	2192	2865	3202	2436	2801	3410	800	2800
<b>2000-01</b>	<b>Final Rate</b>															
	1st April - 30th June	1050	4450	3758	3831	3595	4082	2810	2502	3184	3559	2780	3197	3892	800	2900
	1st July - 30th Sept	1350	3700	3402	3356	3139	3543	2496	2081	2829	3162	2312	2659	3237	700	3050
	1st Oct - 31st Dec	1550	3900	3580	3535	3306	3733	2628	2194	2979	3329	2438	2803	3413	700	3200
	1st Jan - 31st March	2550	4100	3693	3672	3437	3886	2722	2306	3085	3448	2563	2947	3588	700	3200
<b>2001-02</b>	<b>Final Rate</b>															
	1st April - 30th June	1650	4100	3693	3672	3437	3886	2722	2306	3085	3448	2563	2947	3588	700	3200
	1st July - 30th Sept	1700	3600	3412	3328	3109	3503	2488	2025	2819	3151	2250	2588	3150	700	3200
	1st Oct - 31st Dec	1350	3400	3343	3218	3001	3373	2419	1913	2741	3064	2125	2444	2975	700	3300
	1st Jan. - 27th Feb.	1750	3450	3414	3279	3057	3435	2467	1941	2796	3125	2156	2480	3019	700	3400
	28th Feb - 31st March	1250	3000	3053	2903	2704	3032	2194	1688	2486	2779	1875	2156	2625	650	3150

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(Continued)

**8.06 (d) RATES OF CONCESSION FOR PHOSPHATIC AND POTASSIC FERTILISERS  
(1992-93 to 2006-07) (Continued)**

(Rs./tonne)

Year	Period	DAP (Imported)	DAP (Indigenous )	10-26-26	12-32-16	14-28-14	14-35-14	15-15-15	16-20-0	17-17-17	19-19-19	20-20-0	23-23-0	28-28-0	SSP	MOP	
<b>2002-03 Final Rate</b>	1st April - 30th June	1773	2598	Group-I	2681	2634	2103	2906	1459	614	1061	2229	777	812	1943	650	3184
				Group-II	3289	3363	2953	3756	2371	1586	2094	2738	1992	2209	2693		
	1st July - 30th Sept	1702 1773	2591	Group-I	2657	2616	2107	2893	1498	659	1106	2070	845	891	1731	650	3138
				Group-II	3344	3440	3069	3855	2529	1759	2274	2939	2220	2471	3011		
	1st Oct - 31st Dec	1687	2425	Group-I	2549	2498	1991	2763	1403	563	998	2146	735	763	1863	650	3093
				Group-II	3253	3343	2978	3750	2460	1690	2196	2852	2143	2383	2904		
	1st Jan. - 27th Feb. & 12th Mar. - 31st Mar.	1589	2694	Group-I	2661	2647	2189	2947	1647	831	1275	2264	1081	1161	2070	650	3030
				Group-II	3288	3400	3067	3825	2588	1835	2341	2335	2604				
	28th Feb - 11th March	1383	2488	Group-I	2461	2447	1989	2747	1447	631	1075	2064	881	961	1870	650	2824
				Group-II	3088	3200	2867	3625	2388	1635	2141	2135	2404				
<b>2003-04 Final Rate</b>	1st April - 30th June	2346	2817	Group-I	2725	2687	2248	2989 (1820)	892	1387	2627	1168 (1376)	2540 (1267)	650	2964		
				Group-II	3339	3424	3108	3849	2668	1875	2432	3115	2397			2676	3259
	1st July - 30th Sept	2120	2987	Group-I	2732	2730	2314	3051 (1776)	1013	1479	2569	1323 (1362)	2521 (1255)	650	2828		
				Group-II	3172	3258	2931	3668	2487	1718	2227	2886	2203			2453	2988
	1st Oct - 31st Dec	2061	3234	Group-I	2821	2855	2451	3199 (1783)	1167	1616	2847	1507 (1399)	2961 (1287)	650	2763		
				Group-II	3283	3409	3098	3846	2641	1906	2401	3082	2431			2715	3307
	1st Jan. - 31st March	2007	3979	Group-I	3173	3302	2987	3729 (1746)	1817 (2282)	(3370)	2323 (1379)	3777 (1270)	650	2731			
				Group-II	3470	3659	3404	4146	2982	2293	2788	3514			2918	3274	3988
	<b>2004-05 Final rate</b>	1st April - 30th June	2739	4215	Group-I	3273	3433	3155	3889 (1716)	2036	2507	3515	2603 (1351)	4012 (1246)	650	5368	
					Group-II	3596	3821	3607	4341	3218	2552	3056	3813	3249 (3654)			4451
1st July - 30th Sept		4250	4250	Group-I	4602	4275	3703	4585	3006 (2793)	1599	2815	4526	1951 (1836)	4084 (1667)	650	5606	
				Group-II	5270	5076	4637	5519	4007	2666	3949	4811	3286 (3698)	4504			

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(Continued)

**8.06 (d) RATES OF CONCESSION FOR PHOSPHATIC AND POTASSIC FERTILISERS  
(1992-93 to 2006-07) (Concluded)**

(Rs./tonne)

Year	Period	DAP (Imported)	DAP (Indigenous )		10-26-26	12-32-16	14-28-14	14-35-14	15-15-15	16-20-0	17-17-17	19-19-19	20-20-0	23-23-0	28-28-0	SSP	MOP		
	1st Oct - 31st Dec	5181	5420	Group-I	5134	4952	4494	5384	3834 (2774)	2528	3752	5580	3106 (1693)	(1865)	5708	650	5387		
				Group-II	5566	5471	5100	5990	4483	3220	4488	5414	3972	(4486)	5463				
	1st Jan. - 31st March	5417	5417	Group-I	5479	5147	4695	5555	4112 (2923)	2581	4069	6052	3194 (1608)	(1768)	6005	650	6077		
				Group-II	5961	5725	5369	6229	4835	3351	4888	5861	4157	(4700)	5724				
<b>2005-06 Final rate</b>	1st April - 30th June	5394	4546	Group-I	5001	4578	4038	4894	3417 (2910)	1841	3280	5456	2273 (1597)	(1756)	5138	650	6045		
				Group-II	5636	5340	4927	5783	4369	2857	4359	5269	3542	(3993)	4863				
	1st July - 30th Sept	5268	5596	Group-I	5546	5240	4683	5635	3904 (3117)	2412	3832	6177	2918 (1869)	(2069)	6195	975*	6284		
				Group-II	6205	6031	5605	6557	4892	3466	4951	5932	4235	4790	5834				
	1st Oct - 31st Dec	6148	6494	Group-I	6272	6005	5399	6456	4448 (3458)	2927	4448	6524	3487 (2167)	(2411)	6487	975	7137		
				Group-II	7015	6896	6439	7496	5562	4115	5710	6780	4972	5637	6864				
	1st Jan. - 31st March	6088	7127	Group-I	6758	6490	5967	6999	5107 (3501)	3515	5196	6826	4239 (2098)	(2332)	6755	975	6911		
				Group-II	7384	7241	6844	7876	6046	4517	6261	7394	5492	6235	7592				
<b>2006-07 Final rate</b>	1st April - 30th June	6308	6875	Group-I	6902	6627	6095	7144	5211 (3572)	3597	5312	6925	4330 (2145)	(2385)	6833	975	7253		
				Group-II	7538	7389	6985	8034	6164	4613	6392	7543	5601	6359	7744				
	1st July - 30th Sept	6415	7195	Group-I	7092	6835	6208	7347	5135 (3796)	3537	5228	7242	4190 (2404)	(2684)	7246	975	7249		
				Group-II	8005	7932	7487	8626	6506	4998	6781	7976	6017	6839	8328				
	1st Oct - 31st Dec	6507	6264	Group-I	6572	6289	5553	6722	4371 (3786)	2817	4361	6567	3269 (2489)	(2781)	6388	975	6939		
				Group-II	7719	7666	7159	8328	6092	4652	6311	7451	5563	6316	7692				
	1st Jan. - 31st March	6337	6608	Group-I	6371	6066	5397	6495	4356 (3607)	2789	4344	6647	3285 (2286)	(2548)	6556	975	6758		
				Group-II	7239	7109	6613	7711	5659	4179	5821	6903	5022	5694	6934				
Note 1.		Base rate for making on account payment.										* = w.e.f. 1st September 2005.							
2.		Figures in brackets are for gas based units.										** = Adhoc concession Rs. 975 + Rs. 150 on account of inland freight.							
		@ = For imported DAP, imported MAP and MAP produced by granulating imported powdered MAP.																	

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8.06 (e) RATES OF CONCESSION FOR DAP AND COMPLEX FERTILISERS SOLD BY IFFCO, KANDLA - 2005-06 to 2007-08				
(Rs. / tonne)				
Year	Period	Indigenous DAP Group II	NPK	
			10-26-26	12-32-16
<b>2005-06</b>				
Final rates	1st July - 30th Sept.	4800	5104	4709
	1st Oct. - 31st Dec.	5683	5793	5430
	1st Jan. - 31st March	6045	6129	5114
<b>2006-07</b>				
Final rates	1st April - 30th June	5983	6175	5754
	1st July - 30th Sept.	6147	6311	5892
	1st Oct. - 31st Dec.	6387	6291	5952
	1st Jan. - 31st March	5446	5726	5292
<b>2007-08</b>				
Final rates	April	7141	6471	6261
	May	6583	6380	5998
	June	8608	7446	7294
	July	8815	7741	7533
	August	7302	7133	6672
	September	7485	7553	6989
	October	8161	7881	7403
	November	7097	7357	6735
	December	8159	7897	7411
	January	6529	6999	6323
	February	6744	7177	6500
	March	8397	8211	7671



**8.06 (f) MONTH-WISE / GRADE-WISE FINAL RATES OF CONCESSION FOR DECONTROLLED P & K FERTILISERS - 2007-08**

(Rs./tonne)

Month	Group	Indigenous DAP	Indigenous DAP (IFFCO-Kandla)	Imported DAP	MAP	MOP	16-20-00	20-20-00	20-20-00 (gas)	23-23-00 (gas)	28-28-00 (urea)	10-26-26	10-26-26 (IFFCO-Kandla)	12-32-16	12-32-16 (IFFCO-Kandla)	14-28-14	14-35-14	15-15-15 (gas)	15-15-15	17-17-17	19-19-19 (urea)	SSP *
April	I	8144		6101		6406	3378	4042	2204	2436	7725	6471	6471	6261	6261	5727	6756	3472	4850	4888	7347	1125
	II	7141	7141				4657	5640	-	6388	7754	7270		7220		6846	7875	6049	-	6247	7366	
May	I	7699		12970		6797	3493	4147	2354	2609	8388	6917	6380	6642	5998	6054	7136	3742	5087	5157	7997	1125
	II	7549	6583				4922	5934	-	6726	8166	7810		7714		7305	8387	6427	-	6676	7846	
June	I	8319		12974		6819	3738	4317	2898	3234	8332	7446	7446	7294	7294	6558	7830	4153	5218	5307	7964	1125
	II	8608	8608				5302	6273	-	7116	8641	8424		8467		7927	9199	6685	-	6970	8174	
July	I	8230		12706		7175	3742	4290	3029	3385	8417	7741	7741	7533	7533	6742	8059	4370	5316	5418	8171	1125
	II	8815	8815				5367	6322	-	7171	8709	8757		8753		8164	9481	6839	-	7145	8369	
August	I	9258		13064		7668	3750	4293	3057	3417	8613	7991	7133	7702	6672	6884	8212	4522	5449	5568	8469	1125
	II	8847	7302				5356	6300	-	7147	8679	8995		8906		8289	9617	6954	-	7274	8513	
September	I	10436		12864	12782	8224	3403	3868	3024	3380	8084	8071	7553	7610	6989	6736	8052	4681	5314	5414	8343	1125
	II	8417	7485				5112	6004	-	6807	8264	9139		8892		8231	9547	6916	-	7230	8465	
October	I	10419		12588	12346	7986	3223	3657	2967	3314	7886	7881	7881	7403	7403	6527	7823	4615	5132	5209	8180	1125
	II	8161	8161				4987	5862	-	6643	8064	8983		8726		8070	9366	6786	-	7083	8301	
November	I	10001		12970	12398	8089	3182	3608	2959	3305	7849	7919	7357	7409	6735	6524	7818	4648	5135	5214	8205	1125
	II	8108	7097				5073	5971	-	6769	8218	9100		8826		8178	9472	6907	-	7223	8456	
December	I	13033		12770	12473	7983	3226	3663	2959	3305	8852	7897	7897	7411	7411	6536	7830	4620	5148	5229	8850	1125
	II	8159	8159				5305	6262	-	7103	8625	9196		8970		8355	9649	7097	-	7437	8695	
January	I	17671		12613	12445	8005	3700	4256	2957	3303	9260	8211	6999	7777	6323	6960	8253	4631	5604	5745	9140	1125
	II	8710	6529				5686	6738	-	7651	9291	9452		9266		8698	9991	7467	-	7855	9162	
February	I	19756		13182	13182	8130	4126	4783	2982	3331	10499	8558	7177	8156	6500	7380	8682	4686	6036	6233	10029	1125
	II	9228	6744				5980	7099	-	8066	9797	9716		9546		9002	10304	7774	-	8202	9552	
March	I	24310		15795	15795	8462	4873	5705	3026	3381	11018	9176	8211	8828	7671	8122	9438	4788	6797	7097	10470	1125
	II	10133	8397				6320	7513	-	8541	10376	10080		9912		9387	10703	8153	-	8634	10034	

\* = Ad hoc concession (Rs. 975 + Rs. 150)

**8.06 (g) MONTH-WISE / GRADE-WISE FINAL RATES OF CONCESSION FOR DECONTROLLED P & K FERTILISERS - 2008-09**

(Rs./tonne)

Fertiliser	Apr-08	May-08	Jun-08		Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
			Upto 17th	18th-30th									
Indigenous & Imported DAP	30997	46177	50081	50081	49790	50052	53056	51560	43243	25680	13192	11022	13006
Imported & Indigenous Granulated MAP	15795	45731	46653	46653	49790	49665	53056	51560	40567	23903	10548	10717	10667
Imported & Indigenous TSP	0	39896	39896	39896	40120	41876	43834	47317	29527	25680	13192	11022	9848
SSP - Indigenous Rock	1125	4587	5383	5383	5674	6776	6713	5823	3070	2012	1967	1961	1944
- Imported Rock	1125	6406	8942	8942	9160	10391	11661	13003	7914	8965	8075	7503	5870
MOP	7595	8187*	8401**	8401**	24327	24447	26081	28141	28410	28162	28230	28549	29804
Ammonium Sulphate (20.6-0-0-23)													
GSFC, Baroda					3496	3710	2964	457	-1252	-2169	-3049	-3357	-3482
FACT, Udyogmandel					13400	13072	14324	12183	572	-560	-87	258	416
<b>16-20-0-13</b>													
CFL, Ennore	19197	25916	27966	29191	29715	30367	31863	30079	23068	12222	6600	5610	6625
MFL, Manali@	21943	29284	32351	33576	34787	33940	33426	29414	21250	13956	8975	8626	9322
CFL, Kakinada@	19213	26077	27982	29207	29731	30383	31879	30095	23084	12238	6616	5626	6641
<b>20-20-0-13</b>													
GSFC, Baroda	17618	24449	26570	27555	28062	27992	28012	25034	19399	12679	7345	6391	7042
FACT, Cochin	22557	30025	33329	34314	35700	34659	34011	29741	20945	13507	8614	8417	9125
FACT, Udyogmandel	22657	30125	33429	34414	35800	34759	34111	29841	21045	13607	8714	8517	9225
IFFCO, Paradeep	22384	29075	31108	32093	32620	33453	35318	33832	26477	14600	8906	7907	9013
CFL, Ennore	20211	26902	28935	29920	30447	31280	33145	31659	24304	12427	6733	5734	6840
CFL, Vizag	20111	26802	28835	29820	30347	31180	33045	31559	24204	12327	6633	5634	6740
PPL, Paradeep	20191	26882	28915	29900	30427	31260	33125	31639	24284	12407	6713	5714	6820
CFL, Kakinada	20231	26922	28955	29940	30467	31300	33165	31679	24324	12447	6753	5754	6860
SPIC, Tuticorin	20071	26762	28795	29780	30307	31140	33005	31519	24164	12287	6593	5594	6700
MCFL, Mangalore	20171	26862	28895	29880	30407	31240	33105	31619	24264	12387	6693	5694	6800
MFL, Manali@	23477	30945	34249	35234	36620	35579	34931	30661	21865	14427	9534	9337	10045
GSFC, Sikka@	19391	26264	28115	29100	29627	30460	32325	30839	23484	11607	5913	4914	6020
<b>20-20-0</b>													
GNVFC, Bharuch	16520	23876	26791	28728	29472	28262	28178	25652	19547	13212	8364	8195	8936

\* = IPL would be entitled to claim at the rate of Rs. 23760 per MT for a quantity of '134025.317 MT' sold/receipt on or after 6th May'08.

\*\* = (a) IPL would be entitled to claim at the rate of Rs. 24361 per MT for a quantity of '120860 MT' sold/receipt on or after 11th June'08.

(b) RCF will be entitled to claim at the rate of Rs. 24361 per MT for a quantity of '25000 MT' sold/receipt on or after 18th June'08. (Continued)

8.06 (g) MONTH-WISE / GRADE-WISE FINAL RATES OF CONCESSION FOR DECONTROLLED P & K FERTILISERS - 2008-09 (Concluded)													
Fertiliser	Apr-08	May-08	Jun-08		Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
			Upto 17th	18th-30th									
			(Rs./tonne)										
<b>10-26-26</b>													
PPL, Paradeep	20328	29193	31480	32643	39823	40003	41919	41347	36756	26856	19833	18664	19966
TCL, Haldia	20478	29343	31630	32793	39973	40153	42069	41497	36906	27006	19983	18814	20116
CFL, Vizag	20289	29154	31441	32604	39784	39964	41880	41308	36717	26817	19794	18625	19927
CFL, Kakinada	20338	29203	31490	32653	39833	40013	41929	41357	36766	26866	19843	18674	19976
ZIL, Goa	20348	29213	31500	32663	39843	40023	41939	41367	36776	26876	19853	18684	19986
IFFCO, Kandla	20398	29263	31550	32713	39893	40073	41989	41417	36826	26926	19903	18734	20036
HIL, Dahej	20231	29096	31383	32546	39726	39906	41822	41250	36659	26759	19736	18567	19869
MCFL, Mangalore@	20318	29274	31470	32633	39813	39993	41909	41337	36746	26846	19823	18654	19956
GSFC, Sikka@	19928	28884	31080	32243	39423	39603	41519	40947	36356	26456	19433	18264	19566
<b>12-32-16</b>													
PPL, Paradeep	23051	33841	36607	37450	41768	41952	44137	43233	37550	25457	16799	15325	16808
TCL, Haldia	23207	33997	36763	37606	41924	42108	44293	43389	37706	25613	16955	15481	16964
CFL, Kakinada	23063	33853	36619	37462	41780	41964	44149	43245	37562	25469	16811	15337	16820
GSFC, Sikka	22571	33361	36127	36970	41288	41472	43657	42753	37070	24977	16319	14845	16328
IFFCO, Kandla	23111	33901	36667	37510	41828	42012	44197	43293	37610	25517	16859	15385	16868
ZIL, Goa	23099	33889	36655	37498	41816	42000	44185	43281	37598	25505	16847	15373	16856
HIL, Dahej	23014	33804	36570	37413	41731	41915	44100	43196	37513	25420	16762	15288	16771
<b>14-35-14</b>													
TCL, Haldia	25346	37115	40126	40601	44336	44571	47010	46050	39746	26294	16804	15183	16800
CFL, Vizag	25087	36856	39867	40342	44077	44312	46751	45791	39487	26035	16545	14924	16541
CFL, Kakinada	25164	36933	39944	40419	44154	44389	46828	45868	39564	26112	16622	15001	16618
MCFL, Mangalore@	25164	37060	39944	40419	44154	44388	46828	45868	39564	26112	16622	15001	16618
<b>14-28-14</b>													
MCFL, Mangalore@	20538	30082	32360	33610	37392	37710	39945	39416	34143	22657	15019	13722	15098
<b>23-23-0</b>													
DFPCL, Talaja	13465	21192	23184	25039	24884	24609	25281	23861	20476	14016	7934	6869	7656
<b>15-15-15</b>													
RCF, Trombay	12087	17241	18585	20444	24581	24426	24998	24238	22086	17861	13913	13251	13872
<b>17-17-17</b>													
MFL, Manali	17181	23565	26094	28390	33825	32824	32905	30945	25819	20421	16322	16215	16966
<b>28-28-0</b>													
CFL, Vizag	23426	33092	35585	37184	42679	44756	46417	45807	32918	20594	12903	12062	14164
<b>19-19-19</b>													
ZIL, Goa	18146	24852	26601	28414	37511	38950	40247	40044	31367	22990	17795	17266	18828

@ = Provisional final rates.

8.06 (h) CONCESSION FOR DECONTROLLED P&K FERTILISERS (except SSP) April 2009-March 2010												
( Rs. per tonne)												
Fertilisers	2009									2010		
	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
Indigenous & Imported DAP	12890	12144	10167	8893	8499	9244	9765	9724	8961	8393	11840	15868
Indigenous & Imported MAP	10226	11963	7948	8893	8499	9085	9765	9724	7915	7681	7803	7677
Indigenous & Imported TSP	9470	8981	8729	8307	7333	7197	5543	5503	5513	5340	5431	5338
MOP	29002	27970	27418	27486	19442	19474	18585	18515	18636	18287	18545	18260
Ammonium Sulphate												
GSFC, Baroda During this period GSFC opted out of the concession scheme.												
FACT, Udyogmandel	1888	1586	1709	2216	2297	2513	2109	2146	2819	3032	3419	4379
COMPLEX FERTILISERS												
Complex Fertilisers	April-09				May-09				June-09			
	Groups				Groups				Groups			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
15-15-15-0	13731	15398	15686	13524	13129	14934	14769	13171	12397	14588	13819	12322
17-17-17-0	15102	17064	17444	14998	14420	16539	16406	14598	13590	16146	15328	13636
19-19-19-0	16571	18829	19301	16569	15808	18241	18139	16122	14881	17803	16936	15047
20-20-0-0	7488	9893	10412	7538	7033	9623	9537	7415	6235	9339	8448	6461
23-23-0-0	8155	11003	11660	8358	7633	10694	10656	8219	6714	10336	9402	7121
28-28-0-0	9269	12856	13744	9729	8632	12778	12519	9558	7514	12080	10994	8221
10-26-26-0	21237	22165	22222	20773	20192	21213	20968	19894	18924	20202	19554	18549
12-32-16-0	17625	18849	18998	17264	16619	17953	17740	16457	15199	16842	16146	14944
14-28-14-0	15874	17393	17635	15616	14993	16641	16460	14967	13751	15759	15014	13616
14-35-14-0	17300	18819	19061	17042	16261	17909	17728	16235	14739	16747	16002	14604
16-20-0-13	7082	8896	9231	6926	6664	8626	8477	6774	5843	8217	7423	5828
20-20-0-13	7158	9563	10082	7208	6740	9330	9244	7122	5919	9023	8132	6145
10-26-26-0 (CFL Vizag / HIL Dahej)	-	-	-	20724	-	-	-	19845	-	-	-	18500
12-32-16-0 (HIL Dahej)	-	-	-	17215	-	-	-	16408	-	-	-	14895
14-35-14-0 (CFL Viag)	-	-	-	16993	-	-	-	16186	-	-	-	14555
20-20-0-13 (IFFCO-P)	-	-	-	9361	-	-	-	9275	-	-	-	8298
(Continued)												

8.06 (h) CONCESSION FOR DECONTROLLED P&K FERTILISERS (except SSP)													
April 2009-March 2010 (Continued)													
(Rs. per tonne)													
Complex Fertilisers	July-09				August-09				September-09				
	Groups				Groups				Groups				
	I	II	III	IV	I	II	III	IV	I	II	III	IV	
15-15-15-0	12214	14798	13478	11589	10010	12651	11301	9427	10212	13084	11553	9764	
17-17-17-0	13383	16384	14943	12805	10884	13950	12474	10353	11112	14440	12759	10734	
19-19-19-0	14650	18069	16506	14119	11856	15348	13745	11378	12112	15896	14065	11804	
20-20-0-0	5968	9596	7971	5460	5775	9479	7814	5323	6028	10040	8134	5756	
23-23-0-0	6407	10661	8854	5969	6185	10527	8672	5812	6477	11173	9042	6310	
28-28-0-0	7141	12440	10327	6821	6871	12277	10106	6629	7226	13063	10556	7236	
10-26-26-0	18607	20146	19132	17864	14785	16363	15328	14070	15135	16867	15712	14510	
12-32-16-0	14791	16748	15612	14095	12285	14288	13127	11623	12703	14891	13586	12149	
14-28-14-0	13394	15769	14510	12745	11201	13629	12342	10591	11567	14211	12756	11083	
14-35-14-0	14288	16663	15404	13639	12027	14455	13168	11417	12482	15126	13671	11998	
16-20-0-13	5578	8370	6990	4976	5347	8201	6787	4790	5609	8709	7103	5196	
20-20-0-13	5654	9282	7657	5146	5423	9127	7462	4971	5685	9697	7791	5413	
10-26-26-0 (CFL Vizag / HIL Dahej)	-	-	-	17815	-	-	-	14021	-	-	-	14461	
12-32-16-0 (HIL Dahej)	-	-	-	14046	-	-	-	11574	-	-	-	12100	
14-35-14-0 (CFL Viag)	-	-	-	13590	-	-	-	11368	-	-	-	11949	
20-20-0-13 (IFFCO-P)	-	-	-	7299	-	-	-	7124	-	-	-	7566	
Complex Fertilisers	October-09				November-09				December-09				
	Groups				Groups				Groups				
	I	II	III	IV	I	II	III	IV	I	II	III	IV	
15-15-15-0	10058	12614	11300	9856	9915	12770	11299	10004	9642	12822	11098	9883	
17-17-17-0	10939	13909	12474	10841	10777	14085	12472	11008	10467	14144	12245	10870	
19-19-19-0	11918	15302	13745	11923	11736	15498	13743	12110	11390	15565	13489	11955	
20-20-0-0	6126	9717	8100	6183	5957	9946	8120	6402	5545	9968	7804	6192	
23-23-0-0	6589	10801	9002	6801	6394	11064	9024	7052	5922	11091	8663	6812	
28-28-0-0	7362	12610	10507	7832	7125	12929	10534	8138	6550	12962	10094	7846	
10-26-26-0	14870	16391	15380	14410	14620	16340	15225	14354	14147	16084	14800	13982	
12-32-16-0	12617	14552	13420	12260	12328	14502	13244	12204	11709	14143	12683	11706	
14-28-14-0	11492	13841	12588	11239	11239	13867	12467	11257	10697	13629	11993	10857	
14-35-14-0	12442	14791	13538	12189	12129	14757	13357	12147	11443	14375	12739	11603	
16-20-0-13	5729	8492	7117	5579	5579	8660	7119	5739	5209	8638	6826	5531	
20-20-0-13	5805	9396	7779	5862	5655	9644	7818	6100	5285	9708	7544	5932	
10-26-26-0 (CFL Vizag / HIL Dahej)	-	-	-	14361	-	-	-	14305	-	-	-	13933	
12-32-16-0 (HIL Dahej)	-	-	-	12211	-	-	-	12155	-	-	-	11657	
14-35-14-0 (CFL Viag)	-	-	-	12140	-	-	-	12098	-	-	-	11554	
20-20-0-13 (IFFCO-P)	-	-	-	8015	-	-	-	8253	-	-	-	8085	

(Continued)

<b>8.06 (h) CONCESSION FOR DECONTROLLED P&amp;K FERTILISERS (except SSP)</b>													
<b>April 2009-March 2010 (Concluded)</b>													
(Rs. per tonne)													
Complex Fertilisers	January-10				February-10				March-10				
	Groups				Groups				Groups				
	I	II	III	IV	I	II	III	IV	I	II	III	IV	
15-15-15-0	9402	12631	10787	9554	10573	13647	12000	10781	11686	14838	13198	12220	
17-17-17-0	10196	13929	11893	10498	11522	15079	13266	11889	12784	16430	14625	13519	
19-19-19-0	11087	15324	13095	11540	12571	16611	14632	13096	13980	18119	16149	14917	
20-20-0-0	5345	9833	7509	5873	6814	11076	9034	7418	8396	12782	10730	9433	
23-23-0-0	5691	10935	8323	6445	7381	12387	10077	8222	9199	14325	12026	10538	
28-28-0-0	6269	12772	9680	7399	8326	14540	11815	9562	10540	16900	14188	12383	
10-26-26-0	13733	15703	14339	13509	15762	17628	16396	15575	17691	19610	18381	17721	
12-32-16-0	11293	13766	12210	11219	13718	16068	14669	13689	16170	18582	17189	16402	
14-28-14-0	10333	13310	11562	10410	12454	15287	13722	12583	14600	17506	15948	15033	
14-35-14-0	11009	13986	12238	11086	13644	16477	14912	13773	16344	19250	17692	16777	
16-20-0-13	5112	8593	6653	5339	6924	10240	8509	7211	8857	12256	10533	9491	
20-20-0-13	5188	9676	7352	5716	7000	11282	9220	7604	8933	13319	11267	9970	
10-26-26-0 (CFL Vizag / HIL Dahej)	-	-	-	13460	-	-	-	15526	-	-	-	17672	
12-32-16-0 (HIL Dahej)	-	-	-	11170	-	-	-	13640	-	-	-	16353	
14-35-14-0 (CFL Viag)	-	-	-	11037	-	-	-	13724	-	-	-	16728	
20-20-0-13 (IFFCO-P)	-	-	-	7869	-	-	-	9757	-	-	-	12123	
<b>8.06 (i) FINAL RATES OF CONCESSION FOR SINGLE SUPERPHOSPHATE (SSP) - 2009-10</b>													
(Rs. / tonne)													
Month	Concession based on												
	Indigenous Rock						Imported Rock						
<b>Final Rates</b>													
April `09	1873						2927						
May `09	2006						2709						
June `09	1982						2453						
July `09	1986						2510						
August `09	1951						2331						
September `09	2251						2295						
October '09 to April 2010	<-----						2000 ----->						

8.07 NUTRIENT BASED SUBSIDY FOR P & K FERTILISERS - 2010-11 to 2016-17								
A. NBS for nutrient N, P, K and S (Rs. per kg.)								
Nutrient	2010-11		2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
	w.e.f. 1.4.2010	w.e.f. 1.1.2011	w.e.f. 1.4.2011	w.e.f. 1.4.2012	w.e.f. 1.4.2013	w.e.f. 1.4.2014	w.e.f. 1.4.2015	w.e.f. 1.4.2016
N	23.227	23.227	27.153	24.000	20.875	20.875	20.875	15.854
P	26.276	25.624	32.338	21.804	18.679	18.679	18.679	13.241
K	24.487	23.987	26.756	24.000	18.833	15.500	15.500	15.470
S	1.784	1.784	1.677	1.677	1.677	1.677	1.677	2.044
B. NBS for different P & K fertilisers (Rs. per tonne)								
Fertilisers	w.e.f. 1.4.2010	w.e.f. 1.1.2011	w.e.f. 1.4.2011	w.e.f. 1.4.2012	w.e.f. 1.4.2013	w.e.f. 1.4.2014	w.e.f. 1.4.2015	w.e.f. 1.4.2016
DAP (18-46-0)	16,268	15,968	19,763	14,350	12,350	12,350	12,350	8,945
DAP Lite (16-44-0)	-	14,991 <sup>1</sup>	18,573	13,434	11,559	11,559	-	-
DAP Lite II (14-46-0) (30.8.2011 to 29.8.2012)	-	-	18,677	13,390	-	-	-	-
MAP	16,219	15,879	19,803	13,978	12,009	12,009	12,009	8,629
MAP Lite II (11-44-0) (30.8.2011 to 29.8.2012)	-	-	17,216	12,234	-	-	-	-
TSP	12,087	11,787	14,875	10,030	8,592	8,592	8,592	6,091
SSP	4,400 <sup>2</sup>	4,296	5,359	3,673	3,173	3,173	3,173	2,343
MOP	14,692	14,392	16,054	14,400	11,300	9,300	9,300	9,282
16-20-0-13	9,203	9,073	11,030	8,419	7,294	7,294	7,294	5,451
20-20-0-13	10,133	10,002	12,116	9,379	8,129	8,129	8,129	6,085
20-20-0-0	9,901	9,770	11,898	9,161	7,911	7,911	7,911	5,819
28-28-0-0	13,861	13,678	16,657	12,825	11,075	11,075	11,075	8,147
16-16-16-0	11,838 <sup>3</sup>	11,654	13,800	11,169	9,342	8,809	8,809	7,130
17-17-17-0	12,578	12,383	14,662	11,867	9,926	9,359	9,359	7,576
19-19-19-0	14,058	13,839	16,387	13,263	11,094	10,460	10,460	8,467
23-23-0-0	11,386	11,236	13,683	10,535	-	-	-	-
10-26-26-0	15,521	15,222	18,080	14,309	11,841	10,974	10,974	9,050
12-32-16-0	15,114	14,825	17,887	13,697	11,496	10,962	10,962	8,615
14-28-14-0	14,037	13,785	16,602	12,825	10,789	10,323	10,323	8,093
14-35-14-0	15,877	15,578	18,866	14,351	12,097	11,630	11,630	9,020
15-15-15-0	11,099	10,926	12,937	10,471	8,758	8,258	8,258	6,685
15-15-15-09	11,259 <sup>4</sup>	11,086	13,088	10,622	8,909	8,409	8,409	6,869
24-24-0-0	11,881 <sup>5</sup>	11,724	14,278	10,993	9,493	9,493	9,493	6,983
24-24-0-8	-	-	-	-	-	9,493	9,493	6,983
13-33-0-6 (30.08.2011 to 29.8.2012)	-	-	14,302	10,416	-	-	-	-
18-46-0-4 (1.4.2013 to 7.11.2013)	-	-	-	-	12,350	-	-	-
Ammonium Sulphate (20.6-0-0-23) <sup>5</sup>	5,195	5,195	5,979	5,330	4,686	4,686	4,686	3,736
<sup>1</sup> = w.e.f. 1.2.2011. <sup>2</sup> = w.e.f. 1.5.2010. <sup>3</sup> = w.e.f. 1.7.2010. <sup>4</sup> = w.e.f. 1.10.2010. <sup>5</sup> = Manufactured by GSFC and FACT.								
C. Per tonne additional subsidy for fortified fertilisers with secondary and micro-nutrients (as per FCO) for 2010-11 to 2016-17								
Nutrients for fortification (as per FCO)	Additional subsidy per tonne of fortified fertilisers (Rs.)							
Boron 'Bn'	300							
Zinc 'Zn'	500							

8.08 MAXIMUM RETAIL PRICE (MRP) AND DISTRIBUTION MARGIN ON UREA			
(Rs./tonne)			
Effective Date	Distribution Margin (For Private Parties)*	MRP (Exclusive of Taxes)	Increase / (Decrease) in MRP
July 11, 1981	105	2,350	
August 15, 1981	120	2,350	-
May 20, 1983	130	2,350	-
June 29, 1983	130	2,150	(200)
January 31, 1986	130	2,350	200
July 25, 1991	130	3,300	950
August 14, 1991	130	3,060	(240)
August 25, 1992	130	2,760	(300)
June 10, 1994	130	3,320	560
February 21, 1997	130	3,660	340
June 2, 1998	130	4,160	500
June 13, 1998	130	3,660	(500)
January 29, 1999	130	4,000	340
June 9, 1999	180	4,000	-
February 29, 2000	180	4,600	600
February 28, 2002	180	4,830	230
February 28, 2003	180	5,070	240
March 12, 2003	180	4,830	(240)
April 1, 2010	180	5,310	480
November 1, 2012	230	5,360	50
* = Rs. 20 per tonne extra for sale through institutional agencies.			



8.09 RAILWAY FREIGHT (TRAIN LOAD) FOR FERTILISERS - 1992-93 to 2015-16								
Fertiliser	Railway tariff classification	Effective from	Railway freight (Rs./tonne) for distance (km)					
			100	200	500	1000	1500	2000
I. Calcium ammonium nitrate, manure mixture, zinc sulphate, Calcium nitrate	115 A	5-9-92	53.10	85.70	186.30	357.90	508.20	622.30
	"	1-4-93	58.40	94.30	204.90	400.80	569.20	697.00
	"	1-4-94	58.40	96.80	215.90	425.20	611.50	756.70
	"	1-4-95	58.40	96.80	215.90	425.20	611.50	756.70
	"	1-8-96	58.40	96.80	215.90	425.20	611.50	756.70
	"	1-4-97	65.40	108.40	241.80	476.20	684.90	847.50
	105	15-10-97	77.20	126.80	281.20	552.30	793.40	981.60
	"	20-6-98	77.20	126.80	281.20	552.30	793.40	981.60
	"	1-4-99	80.30	131.90	292.40	574.40	825.10	1020.90
	115	1-4-2000	90.40	149.70	334.00	658.10	946.30	1170.90
	"	1-4-2001	93.10	154.20	344.00	677.80	974.70	1206.00
	"	1-4-2002	95.90	159.20	348.90	665.20	981.40	1217.20
	"	1-4-2003	95.90	159.20	348.90	665.20	981.40	1217.20
	"	1-4-2004	95.90	159.20	348.90	665.20	981.40	1217.20
	100	1-4-2005	83.40	138.40	303.40	578.40	853.40	1058.40
	110	1-12-2005	91.70	152.20	333.70	636.20	938.70	1164.20
	"	1-4-2006	91.70	152.20	333.70	636.20	938.70	1164.20
	120	1-6-2006	100.10	166.10	364.10	694.10	1024.10	1270.10
	"	1-7-2006	100.10	169.30	369.80	710.30	1048.60	1315.70
	"	1-4-2007	100.10	169.30	369.80	710.30	1048.60	1315.70
	"	1-4-2008	100.10	169.30	369.80	710.30	1048.60	1315.70
	130	1-2-2009	108.40	183.40	400.70	769.50	1135.90	1425.30
	"	1-4-2009	108.40	183.40	400.70	769.50	1135.90	1425.30
	130 A	27-12-2010	108.40	183.40	400.70	769.50	1135.90	1425.30
	130	06-03-2012	130.10	223.60	499.90	960.30	1417.80	1778.90
	"	1-4-2013	137.70	236.60	528.80	1016.10	1499.90	1882.10
	"	10-10-2013	140.00	240.50	537.70	1033.10	1524.90	1913.60
	"	25.6.2014	167.60	256.10	572.50	1099.90	1623.60	2037.40
	"	1.4.2015	184.30	281.70	629.70	1209.90	1785.90	2241.10
	II. Urea, Urea ammonium phosphate (20-20-0)\$	115 A	5-9-92	53.10	85.70	186.30	357.90	508.20
"		1-4-93	58.40	94.30	204.90	400.80	569.20	697.00
"		1-4-94	58.40	96.80	215.90	425.20	611.50	756.70
"		1-4-95	58.40	96.80	215.90	425.20	611.50	756.70
"		1-8-96	58.40	96.80	215.90	425.20	611.50	756.70
115 M		1-4-97	58.40	96.80	215.90	425.20	611.50	756.70
85		15-10-97	69.90	112.90	246.20	479.70	687.30	868.40
"		20-6-98	69.90	112.90	246.20	479.70	687.30	868.40
"		1-4-99	72.70	117.40	256.00	498.90	714.80	883.10
85 C		1-4-2000	72.70	117.40	256.00	498.90	714.80	883.10
"		1-4-2001	72.70	117.40	256.00	498.90	714.80	883.10
90		1-4-2002	75.10	124.60	273.10	520.60	768.10	952.60
"		1-4-2003	75.10	124.60	273.10	520.60	768.10	952.60
"		1-4-2004	75.10	124.60	273.10	520.60	768.10	952.60
100		1-4-2005	83.40	138.40	303.40	578.40	853.40	1058.40
110		1-12-2005	91.70	152.20	333.70	636.20	938.70	1164.20
"		1-4-2006	91.70	152.20	333.70	636.20	938.70	1164.20
120		1-6-2006	100.10	166.10	364.10	694.10	1024.10	1270.10
"		1-7-2006	100.10	169.30	369.80	710.30	1048.60	1315.70
"		1-4-2007	100.10	169.30	369.80	710.30	1048.60	1315.70
"		1-4-2008	100.10	169.30	369.80	710.30	1048.60	1315.70
130		1-2-2009	108.40	183.40	400.70	769.50	1135.90	1425.30
"		1-4-2009	108.40	183.40	400.70	769.50	1135.90	1425.30
130 A		27-12-2010	108.40	183.40	400.70	769.50	1135.90	1425.30
130		06-03-2012	130.10	223.60	499.90	960.30	1417.80	1778.90
"		1-4-2013	137.70	236.60	528.80	1016.10	1499.90	1882.10
"		10-10-2013	140.00	240.50	537.70	1033.10	1524.90	1913.60
"		25.6.2014	167.60	256.10	572.50	1099.90	1623.60	2037.40
"		1.4.2015	184.30	281.70	629.70	1209.90	1785.90	2241.10

\$ = w.e.f. 15.7. 2011.

(Continued)

8.09 RAILWAY FREIGHT (TRAIN LOAD) FOR FERTILISERS - 1992-93 to 2015-16 (Concluded)								
Fertiliser	Railway tariff classification	Effective from	Railway freight (Rs./tonne) for distance (km)					
			100	200	500	1000	1500	2000
III. Ammonium sulphate, Ammonium chloride, Ammonium sulphate nitrate, Bentonite sulphur pastilles*, water soluble fertilizers*	100 A	5-9-92	47.60	76.10	163.70	313.10	444.10	543.20
	"	1-4-93	52.40	83.70	180.10	350.70	497.40	608.40
	"	1-4-94	52.40	85.90	189.80	372.10	534.40	660.50
	"	1-4-95	52.40	85.90	189.80	372.10	534.40	660.50
	"	1-8-96	52.40	85.90	189.80	372.10	534.40	660.50
	"	1-4-97	58.70	96.20	212.60	416.80	598.50	739.80
	85	15-10-97	69.90	112.90	246.20	479.70	687.30	868.40
	"	20-6-98	69.90	112.90	246.20	479.70	687.30	868.40
	"	1-4-99	72.70	117.40	256.00	498.90	714.80	883.10
	100	1-4-2000	81.00	133.10	293.70	575.80	827.00	1022.10
	"	1-4-2001	83.40	137.10	302.50	593.10	851.80	1052.80
	105	1-4-2002	87.60	145.30	318.60	607.30	896.10	1111.30
	"	1-4-2003	87.60	145.30	318.60	607.30	896.10	1111.30
	"	1-4-2004	87.60	145.30	318.60	607.30	896.10	1111.30
	100	1-4-2005	83.40	138.40	303.40	578.40	853.40	1058.40
	110	1-12-2005	91.70	152.20	333.70	636.20	938.70	1164.20
	"	1-4-2006	91.70	152.20	333.70	636.20	938.70	1164.20
	120	1-6-2006	100.10	166.10	364.10	694.10	1024.10	1270.10
	"	1-7-2006	100.10	169.30	369.80	710.30	1048.60	1315.70
	"	1-4-2007	100.10	169.30	369.80	710.30	1048.60	1315.70
	"	1-4-2008	100.10	169.30	369.80	710.30	1048.60	1315.70
	130	1-2-2009	108.40	183.40	400.70	769.50	1135.90	1425.30
	"	1-4-2009	108.40	183.40	400.70	769.50	1135.90	1425.30
	130 A	27-12-2010	108.40	183.40	400.70	769.50	1135.90	1425.30
	130	06-03-2012	130.10	223.60	499.90	960.30	1417.80	1778.90
	"	1-4-2013	137.70	236.60	528.80	1016.10	1499.90	1882.10
	"	10-10-2013	140.00	240.50	537.70	1033.10	1524.90	1913.60
	"	25.6.2014	167.60	256.10	572.50	1099.90	1623.60	2037.40
	"	1.4.2015	184.30	281.70	629.70	1209.90	1785.90	2241.10
	IV. Ammonium nitrophosphate, Ammonium phosphate, Ammonium phosphate sulphate, Diammonium Phosphate, Monoammonium phosphate, Nitrophosphate, NPK - fertilizers, Superphosphate, Single superphosphate, Triple superphosphate**, Ground phosphate, Rock Phosphate (in Bag & Loose), Phosphate of lime, Muriate of potash, Sulphate of potash, S.N.P.K fertilizers	85 B	5-9-92	34.90	54.90	116.60	221.70	313.70
"		1-4-93	38.40	60.40	128.30	248.30	351.30	429.50
"		1-4-94	38.40	62.00	135.20	263.40	377.40	466.30
"		1-4-95	38.40	62.00	135.20	263.40	377.40	466.30
"		1-8-96	38.40	62.00	135.20	263.40	377.40	466.30
"		1-4-97	43.00	69.40	151.40	295.00	422.70	522.30
"		15-10-97	49.60	80.20	174.80	340.60	488.00	602.90
"		20-6-98	49.60	80.20	174.80	340.60	488.00	602.90
"		1-4-99	51.60	83.40	181.80	354.20	507.50	627.00
85		1-4-2000	76.30	123.30	268.80	523.80	750.50	927.30
"		1-4-2001	78.60	127.00	276.90	539.50	773.00	955.10
95		1-4-2002	79.20	131.50	288.20	549.50	810.70	1005.50
"		1-4-2003	79.20	131.50	288.20	549.50	810.70	1005.50
"		1-4-2004	79.20	131.50	288.20	549.50	810.70	1005.50
100		1-4-2005	83.40	138.40	303.40	578.40	853.40	1058.40
110		1-12-2005	91.70	152.20	333.70	636.20	938.70	1164.20
"		1-4-2006	91.70	152.20	333.70	636.20	938.70	1164.20
120		1-6-2006	100.10	166.10	364.10	694.10	1024.10	1270.10
"		1-7-2006	100.10	169.30	369.80	710.30	1048.60	1315.70
"		1-4-2007	100.10	169.30	369.80	710.30	1048.60	1315.70
"		1-4-2008	100.10	169.30	369.80	710.30	1048.60	1315.70
130		1-2-2009	108.40	183.40	400.70	769.50	1135.90	1425.30
"		1-4-2009	108.40	183.40	400.70	769.50	1135.90	1425.30
130 A		27-12-2010	108.40	183.40	400.70	769.50	1135.90	1425.30
130		06-03-2012	130.10	223.60	499.90	960.30	1417.80	1778.90
"		1-4-2013	137.70	236.60	528.80	1016.10	1499.90	1882.10
"		10-10-2013	140.00	240.50	537.70	1033.10	1524.90	1913.60
"		25.6.2014	167.60	256.10	572.50	1099.90	1623.60	2037.40
"		1.4.2015	184.30	281.70	629.70	1209.90	1785.90	2241.10

\* = w.e.f. 8-8-2008.

\*\* = w.e.f. 20.01.2011.

## 9.00 SOIL AND FERTILISER TESTING LABORATORIES

9.01 (a) STATEWISE NUMBER OF SOIL TESTING LABORATORIES AND ANALYSING CAPACITY - 2013-14 (Provisional)								
State/UT	Number of Soil Testing Laboratories							Analysing Capacity (` 000 Nos.)
	State Govt.		Fertiliser Industry		Total			
	Static	Mobile	Static	Mobile	Static	Mobile	Total	
<b>East Zone</b>	<b>105</b>	<b>37</b>	<b>1</b>	<b>2</b>	<b>106</b>	<b>39</b>	<b>145</b>	<b>959.4</b>
Arunachal Pradesh	5	3	-	-	5	3	8	9.0
Assam*	7	4	-	-	7	4	11	84.0
Bihar	39	-	-	-	39	-	39	230.0
Jharkhand	8	-	-	-	8	-	8	40.0
Odisha	17	6	1	-	18	6	24	270.0
West Bengal	10	8	-	2	10	10	20	112.4
Manipur	4	4	-	-	4	4	8	40.0
Meghalaya	3	3	-	-	3	3	6	30.0
Nagaland	3	-	-	-	3	-	3	45.0
Sikkim	4	2	-	-	4	2	6	37.0
Tripura	2	4	-	-	2	4	6	35.0
Mizoram	3	3	-	-	3	3	6	27.0
<b>North Zone</b>	<b>377</b>	<b>45</b>	<b>9</b>	<b>6</b>	<b>386</b>	<b>51</b>	<b>437</b>	<b>5444.5</b>
Haryana	35	3	2	-	37	3	40	365.0
Himachal Pradesh	11	4	-	-	11	4	15	125.0
Jammu & Kashmir*	8	5	-	-	8	5	13	52.0
Punjab*	54	12	2	3	56	15	71	631.5
Uttar Pradesh	255	18	5	3	260	21	281	4159.5
Uttarakhand	13	3	-	-	13	3	16	106.5
Chandigarh	-	-	-	-	-	-	-	-
Delhi	1	-	-	-	1	-	1	5.0
<b>South Zone</b>	<b>157</b>	<b>32</b>	<b>35</b>	<b>4</b>	<b>192</b>	<b>36</b>	<b>228</b>	<b>6727.4</b>
Andhra Pradesh	55	5	27	1	82	6	88	413.0
Karnataka*	56	-	6	2	62	2	64	295.7
Kerala	14	11	1	-	15	11	26	218.0
Tamil Nadu	30	16	1	1	31	17	48	5796.7
Puducherry*	2	-	-	-	2	-	2	4.0
Lakshdweep	-	-	-	-	-	-	-	-
<b>West Zone</b>	<b>348</b>	<b>59</b>	<b>16</b>	<b>11</b>	<b>364</b>	<b>70</b>	<b>434</b>	<b>4695.4</b>
Gujarat	132	2	4	1	136	3	139	1412.0
Madhya Pradesh	50	7	2	4	52	11	63	378.0
Chhattisgarh	7	5	1	-	8	5	13	105.0
Maharashtra*	123	23	8	4	131	27	158	2241.4
Rajasthan	34	22	1	2	35	24	59	536.0
Goa	2	-	-	-	2	-	2	23.0
Dadra & Nagar Haveli	-	-	-	-	-	-	-	-
<b>Total All India</b>	<b>987</b>	<b>173</b>	<b>61</b>	<b>23</b>	<b>1,048</b>	<b>196</b>	<b>1,244</b>	<b>17826.7</b>

\* = Data for 2012-13.

Source : Department of Agriculture &amp; Cooperation, Ministry of Agriculture &amp; Farmers Welfare, GoI, New Delhi.

<b>9.01 (b) STATEWISE ANALYSING CAPACITY OF SOIL TESTING LABORATORIES AND SAMPLES ANALYSED - 2013-14 (Provisional) (Under State Govts./UTs and Fertiliser Industry)</b>			
State/UT	Analysing Capacity ( '000 Nos.)	Number of Samples analysed ( '000 Nos.)	Capacity % Utilisation
<b>East Zone</b>	<b>959.4</b>	<b>769.2</b>	<b>80.2</b>
Arunachal Pradesh	9.0	7.9	87.3
Assam*	84.0	60.8	72.3
Bihar	230.0	248.7	108.1
Jharkhand	40.0	10.7	26.7
Odisha	270.0	255.1	94.5
West Bengal	112.4	60.4	53.8
Manipur	40.0	1.4	3.4
Meghalaya	30.0	27.7	92.2
Nagaland	45.0	14.3	31.8
Sikkim	37.0	39.9	107.8
Tripura	35.0	17.5	50.1
Mizoram	27.0	25.0	92.6
<b>North Zone</b>	<b>5444.5</b>	<b>4198.3</b>	<b>77.1</b>
Haryana	365.0	247.9	67.9
Himachal Pradesh	125.0	124.4	99.5
Jammu & Kashmir*	52.0	43.6	83.9
Punjab*	631.5	282.1	44.7
Uttar Pradesh	4159.5	3404.6	81.9
Uttarakhand	106.5	95.2	89.4
Chandigarh	-	-	-
Delhi	5.0	0.5	9.2
<b>South Zone</b>	<b>6727.4</b>	<b>5503.2</b>	<b>81.8</b>
Andhra Pradesh	413.0	345.8	83.7
Karnataka*	295.7	194.8	65.9
Kerala	218.0	134.7	61.8
Tamil Nadu	5796.7	4823.5	83.2
Puducherry*	4.0	4.4	110.3
Lakshdweep	-	-	-
<b>West Zone</b>	<b>4695.4</b>	<b>3046.6</b>	<b>64.9</b>
Gujarat	1412.0	1199.1	84.9
Madhya Pradesh	378.0	346.5	91.7
Chhattisgarh	105.0	116.0	110.5
Maharashtra*	2241.4	967.3	43.2
Rajasthan	536.0	402.7	75.1
Goa	23.0	15.0	65.0
Dadra & Nagar Haveli	-	-	-
<b>Total All India</b>	<b>17826.7</b>	<b>13517.3</b>	<b>75.8</b>
* = Data for 2012-13.			
Source : Department of Agriculture & Cooperation, Ministry of Agriculture & Farmers Welfare, GoI, New Delhi.			

9.01 (c) STATE-WISE STATUS OF NEW SOIL TESTING LABOBATORIES (STLs) 2014-15 AND 2015-16						(No.)
State/UT	2014-15		2015-16		Total	
	New STLs	New Mobile STLs	New STLs	New Mobile STLs		
Andhra Pradesh	0	5	0	2	7	
Assam	2	2	0	0	4	
Bihar	0	6	0	0	6	
Chhattisgarh	1	0	8	0	9	
Goa	1	1	0	0	2	
Gujarat	0	2	0	0	2	
Himachal Pradesh	0	3	0	3	6	
Jammu & Kashmir	5	6	0	0	11	
Karnataka	0	1	0	0	1	
Kerala	0	2	0	0	2	
Madhya Pradesh	0	10	0	0	10	
Maharashtra	0	10	13	0	23	
Nagaland	0	0	1	0	1	
Odisha	0	3	3	3	9	
Rajasthan	0	0	55	0	55	
Tamil Nadu	0	0	1	0	1	
Telangana	0	3	0	0	3	
Tripura	0	1	1	0	2	
Uttar Pradesh	0	10	0	0	10	
West Bengal	1	4	11	0	16	
Jharkhand	0	0	0	0	0	
Sikkim	0	0	0	0	0	
Uttarakhand	0	0	0	0	0	
<b>Total</b>	<b>10</b>	<b>69</b>	<b>93</b>	<b>8</b>	<b>180</b>	

Source: National Conference on Agriculture, Rabi Campaign, 2016-17, Department of Agriculture Cooperation & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India.

9.02 STATE-WISE STATUS OF SOIL HEALTH CARD SCHEME AS ON 1.11.2016					
(Lakh)					
State	Total Target for Soil Samples Collection & Testing during Cycle-I (2015-16 & 2016-17)	Cumulative No. of Soil Samples Collected upto 01.11.2016	Percent Progress of Soil Samples Collected	Cumulative No. of Soil Samples Tested upto 01.11.2016	Percent Progress of Soil Samples Tested
<b>EAST ZONE</b>					
Arunachal Pradesh	0.21	0.15	71.26	0.10	49.69
Assam	2.79	1.04	37.17	0.34	12.37
Bihar	13.09	8.10	61.85	4.81	36.77
Jharkhand	1.15	1.02	88.30	0.67	58.36
Manipur	0.21	0.09	41.66	0.04	20.27
Meghalaya	0.27	0.34	>100.00	0.29	>100.00
Mizoram	0.12	0.09	71.34	0.08	63.96
Nagaland	0.33	0.23	70.15	0.17	49.89
Odisha	6.69	5.55	83.06	4.02	60.07
Sikkim	0.13	0.13	100.00	0.13	100.00
Tripura	0.33	0.25	76.17	0.22	68.37
West Bengal	13.00	5.44	41.80	4.95	38.04
<b>NORTH ZONE</b>					
Haryana	7.89	7.57	96.04	3.80	48.17
Himachal Pradesh	0.70	0.81	>100.00	0.79	>100.00
Jammu & Kashmir	1.65	0.80	48.25	0.50	29.95
Punjab	8.36	4.47	53.50	2.45	29.29
Uttar Pradesh	47.70	34.05	71.37	14.66	30.73
Uttarakhand	1.36	1.10	81.26	0.99	72.81
Chandigarh	0.003	0.005	>100.00	-	-
<b>SOUTH ZONE</b>					
Andhra Pradesh	13.48	12.07	89.54	10.95	81.23
Karnataka	16.66	11.44	68.65	8.75	52.55
Kerala	1.28	0.90	70.66	0.89	69.49
Tamil Nadu	12.75	11.67	91.58	8.40	65.93
Telangana	10.35	10.89	>100.00	7.24	69.96
Puducherry	0.04	0.05	>100.00	0.03	92.78
A & N Islands	0.01	0.02	>100.00	0.02	>100.00
<b>WEST ZONE</b>					
Gujarat	15.89	18.74	>100.00	13.70	86.18
Madhya Pradesh	23.14	20.29	87.70	8.05	34.80
Chhattisgarh	7.04	6.30	89.56	3.67	52.18
Maharashtra	23.47	23.46	99.95	15.86	67.57
Rajasthan	23.08	20.00	86.66	6.96	30.16
Goa	0.25	0.22	87.30	0.20	78.34
D & N Haveli	0.02	The SHC Scheme has been Initiated during 2016-17		The SHC Scheme has been Initiated during 2016-17	
<b>All-India</b>	<b>253.42</b>	<b>207.27</b>	<b>81.79</b>	<b>123.73</b>	<b>48.82</b>
Source: Department of Agriculture Cooperation & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India.					

9.03 (a) NUMBER OF FERTILISER QUALITY CONTROL LABORATORIES AND SAMPLES ANALYSED -- 1990-91 to 2014-15					
Year	No. of Labs.	Capacity	No. of samples analysed	Per cent samples found non-standard	
1990-91	51	93000	73881	5.5	
1991-92	51	92300	77420	7.0	
1992-93	52	94560	79958	5.3	
1993-94	53	96746	89068	5.4	
1994-95	55	104275	85666	5.6	
1995-96	61	106475	93863	5.2	
1996-97	63	107430	96450	5.5	
1997-98	63	107920	96292	5.9	
1998-99	64	113150	92963	6.8	
1999-2000	66	117365	103329	6.0	
2000-01	66	120315	104037	5.3	
2001-02	65	119415	108425	5.8	
2002-03	67	125480	109504	5.4	
2003-04	67	124778	104647	5.5	
2004-05	67	124730	108859	6.0	
2005-06	67	122488	111745	6.0	
2006-07	68	129250	116142	6.0	
2007-08	68	129331	95866	6.2	
2008-09	71	132965	104498	5.5	
2009-10	74	130635	118312	5.2	
2010-11	74	127930	121868	5.1	
2011-12	74	130450	131970	4.9	
2012-13	75	142621	133872	5.1	
2013-14	78	152470	138961	5.4	
2014-15	78	168536	135522	5.0	

Source: CFQC&TI, Faridabad

9.03 (b) STATEWISE NUMBER OF FERTILISER QUALITY CONTROL LABORATORIES, ANALYSING CAPACITY AND SAMPLES ANALYSED - 2014-15						
State/UT	No. of Labs.	Annual Analysing capacity	No. of Samples		Capacity Utilisation (%)	Samples Non-Standard (%)
			Analysed	Non-Standard		
<b>East Zone</b>	<b>11</b>	<b>26790</b>	<b>11015</b>	<b>638</b>	<b>41.1</b>	<b>5.8</b>
Assam	1	500	334	-	66.8	-
Bihar	1	4000	2632	101	65.8	3.8
Jharkhand	1	1500	842	13	56.1	1.5
Odisha	4	16040	4533	241	28.3	5.3
West Bengal	3	4500	2672	283	59.4	10.6
Mizoram	1	250	2	-	0.8	-
<b>North Zone</b>	<b>17</b>	<b>27650</b>	<b>24089</b>	<b>1,117</b>	<b>87.1</b>	<b>4.6</b>
Haryana	3	4900	3733	66	76.2	1.8
Himachal Pradesh	3	2000	1817	13	90.9	0.7
Jammu & Kashmir	2	1450	1432	-	98.8	-
Punjab	2	3600	3610	94	100.3	2.6
Uttar Pradesh	5	15000	13186	919	87.9	7.0
Uttarakhand	2	700	311	25	44.4	8.0
<b>South Zone</b>	<b>29</b>	<b>54822</b>	<b>46992</b>	<b>1,452</b>	<b>85.7</b>	<b>3.1</b>
Andhra Pradesh	3	9622	9621	169	100.0	1.8
Telangana	2	7000	6423	145	91.8	2.3
Karnataka	7	15000	9159	245	61.1	2.7
Kerala	2	5000	2692	132	53.8	4.9
Tamil Nadu	14	17500	18551	755	106.0	4.1
Puducherry	1	700	546	6	78.0	1.1
<b>West Zone</b>	<b>17</b>	<b>50774</b>	<b>50589</b>	<b>3,433</b>	<b>99.6</b>	<b>6.8</b>
Gujarat	3	12500	11812	106	94.5	0.9
Madhya Pradesh	4	7274	6098	771	83.8	12.6
Chhattisgarh	1	2500	2085	171	83.4	8.2
Maharashtra	5	18000	17117	2,257	95.1	13.2
Rajasthan	4	10500	13477	128	128.4	0.9
<b>Govt. of India</b>	<b>4</b>	<b>8500</b>	<b>2837</b>	<b>210</b>	<b>33.4</b>	<b>7.4</b>
<b>Total All India</b>	<b>78</b>	<b>168536</b>	<b>135522</b>	<b>6,850</b>	<b>80.4</b>	<b>5.0</b>

Source : Central Fertiliser Quality Control & Training Institute, Faridabad.

9.03 (c) STATEWISE LOCATION OF FERTILISER QUALITY CONTROL LABORATORIES AND ANALYSING CAPACITY - 2014-15							
Sl. No	State/Union Territory	Location of Laboratory	Annual analytical capacity (No. of Samples)	Sl. No	State/Union Territory	Location of Laboratory	Annual analytical capacity (No. of Samples)
1	Assam	1 Ulubari	500	17	Uttarakhand	1 Rudrapur	350
2	Bihar	1 Patna	4000			2 Dehradun	350
3	Jharkhand	1 Ranchi	1500	18	Andhra Pradesh	1 Anantpur	3165
4	Odisha	1 Bhubaneswar	5520			2 Bapatata	3252
		2 Sambalpur	2520			3 Tadepalligudam	3205
		3 Rayagada	4000	19	Telangana	1 Hyderabad	3500
		4 Bahrampur	4000			2 Warangal	3500
5	West Bengal	1 Kolkata	2500	20	Karnataka	1 Bangalore	3047
		2 Berhampur	1200			2 Dharwad	2097
		3 Midnapur	800			3 Belthanagudy	842
6	Mizoram	1 Aizawal	250			4 Gangavathi	1749
7	Gujarat	1 Gandhinagar	5000			5 Davanagere	2528
		2 Junagarh	2500			6 Mandya	1968
		3 Bardoli	5000			7 Belgaum	2769
8	Madhya Pradesh	1 Jabalpur	1637	21	Kerala	1 Thiruvananthapuram	2500
		2 Bhopal	2000			2 Pattambi	2500
		3 Gwalior	1637	22	Puducherry	1 Puducherry	700
		4 Indore	2000	23	Tamil Nadu	1 Tiruchirapalli	1590
9	Chhattisgarh	1 Raipur	2500			2 Kovilpatti	797
10	Maharashtra	1 Pune	4000			3 Madurai	1987
		2 Amravati	4000			4 Coimbatore	402
		3 Aurangabad	4000			5 Kancheepuram	1987
		4 Kolhapur	2000			6 Paramkudi	1193
		5 Nasik	4000			7 Dindigul	1193
11	Rajasthan	1 Jaipur	3500			8 Villupuram	1193
		2 Jodhpur	2500			9 Nagarcoil	1193
		3 Udaipur	2500			10 Salem	1193
		4 Bharatpur	2000			11 Dharampuri	1193
12	Haryana	1 Karnal	1633			12 Kumbakonam	1193
		2 Hissar	2240			13 Tiruvarur	1193
		3 Rohtak	1027			14 Udhagamandalam	1193
13	Himachal Pradesh	1 Sundernagar	800	24	Central Labs. (G.O.I.)	1 Faridabad (HQ)	4000
		2 Hamirpur	800			2 Navi Mumbai (R.Labs)	1500
		3 Shimla	400			3 Chennai --do--	1500
14	Punjab	1 Ludhiana	2000			4 Kalyani --do--	1500
		2 Faridkot	1600				
15	Jammu & Kashmir	1 Srinagar	600				
		2 Jammu	850				
16	Uttar Pradesh	1 Lucknow	5500				
		2 Varanasi	3000				
		3 Meerut	3000				
		4 Rehmankhera (Luck.)	1500				
		5 Soil Testing Lab.	2000				
<b>Grand Total All-India 78</b>							<b>168536</b>

Source : Central Fertiliser Quality Control &amp; Training Institute, Faridabad.



## 10.00 WATER SOLUBLE FERTILISERS AND BIOFERTILISERS

<b>10.01 ESTIMATED CONSUMPTION OF WATER SOLUBLE FERTILISERS IN INDIA</b>		
<b>2000-01, 2005-06 to 2014-15</b>		
Year	Quantity (tonnes)	
2000-01	7,000	
2005-06	18,000	
2006-07	25,000	
2007-08	39,000	
2008-09	40,000	
2009-10	45,000	
2010-11	49,500	
2011-12	69,712	
2012-13	90,827	
2013-14 (Estimated)	1,30,000	
2014-15 (Estimated)	1,45,000	
Source: 1. <i>Handbook on Fertiliser Marketing</i> , FAI, New Delhi. 2.: <i>Speciality Fertiliser Statistics - 2014-15</i> , FAI, New Delhi.		
<b>10.02 ALL INDIA PRODUCTION AND SALE OF CUSTOMISED FERTILISERS</b>		
<b>2008-09 to 2014-15</b>		
Year	Production	Sale
		(tonnes)
2008-09	23,231	19,694
2009-10	22,635	24,748
2010-11	30,806	24,872
2011-12	75,394	79,871
2012-13 (P)	24,765	28,815
2013-14 (P)	42,850	47,180
2014-15 (P)	45,273	44,410
(P) = Provisional.		
Source: <i>Speciality Fertiliser Statistics - 2014-15</i> , FAI, New Delhi.		
<b>10.03 ALL INDIA PRODUCTION AND SALE OF NEEM COATED UREA</b>		
<b>2006-07 to 2015-16</b>		
Year	Production	Sale
		('000 tonnes)
2006-07	597.3	603.5
2007-08	289.8	286.4
2008-09	292.7	295.7
2009-10	917.4	917.8
2010-11	1,209.3	1,186.3
2011-12	3,485.8	3,420.3
2012-13	4,681.3	4,697.0
2013-14	5,991.5	5,980.2
2014-15	8,415.0	8,368.8
2015-16	23,166.3	23,140.6
Source: <i>Speciality Fertiliser Statistics</i> , FAI, New Delhi.		

10.04(a) ALL INDIA CAPACITY OF BIOFERTILISERS - 1995-96 to 2014-15		
(tonnes)		
Year	Capacity	
1995-96	10680	
1996-97	12647	
1998-99	16446	
2001-02	15439	
2002-03	18680	
2003-04	18632	
2006-07	26864	
2008-09	68804	
2009-10	86078	
2011-12 (P)	64298	
2013-14 (P)	128693*	
2014-15 (P)	165963**	
P = Provisional. N.A. = Not Available.		
* = Data for carrier based capacity only. Data for liquid based capacity was 18797 KL.		
** = Data for carrier based capacity only. Data for liquid based capacity was 40150 KL.		
Source: 1. <i>Biofertiliser Statistics - 2006-07 and 2013-14</i> , FAI, New Delhi.		
2. Various issues of <i>Annual Reports</i> , National Centre of Organic Farming, Ghaziabad.		
10.04 (b) ALL INDIA PRODUCTION AND DESPATCHES OF BIOFERTILISERS - 1995-96 to 2014-15		
(tonnes)		
Year	Production	Despatches
1995-96	6,692	6,288
1996-97	7,407	6,681
1997-98	7,105	6,296
1998-99	5,972	5,065
1999-2000	5,716	5,453
2000-01	6,243	6,139
2001-02	9,019	8,429
2002-03	7,182	7,030
2003-04	8,701	8,357
2004-05	10,479	10,428
2005-06	11,752	11,358
2006-07	15,871	15,745
2007-08	22,647	23,431
2008-09	25,065	26,878
2009-10	20,040	25,354
2010-11	37,998	38,000 e
2011-12	40,324	40,000 e
2012-13 (P)	46,837	46,800 e
2013-14 (P)	65,528	65,500 e
2014-15 (P)	80,696 (4055 KL)	80,600 e
P = Provisional. e = estimated. () = Liquid based biofertiliser.		
Source: 1. <i>Biofertiliser Statistics - 2006-07 and 2013-14</i> , FAI, New Delhi.		
2. Various issues of <i>Annual Reports</i> , National Centre of Organic Farming, Ghaziabad.		

10.04 (c) STATE-WISE PRODUCTION OF BIOFERTILISERS 2012-13 to 2014-15			
(tonnes)			
State	2012-13	2013-14	2014-15
<b>East</b>	<b>2,224.8</b>	<b>3,301.5</b>	<b>3,620.7</b>
Arunachal Pradesh	-	59.0	59.0
Assam	89.0	149.0	88.0
Bihar	52.4	52.4	64.9
Jharkhand	35.3	14.2	9.1
Mizoram	-	4.0	3.6
Nagaland	7.5	7.5	7.5
Odisha	407.1	1,097.6	1,074.5
Sikkim	9.5	10.1	12.4
Tripura	514.0	225.0	240.0
West Bengal	1,110.0	1,682.7	2,061.8
<b>North</b>	<b>12,212.2</b>	<b>11,914.8</b>	<b>13,512.7</b>
Haryana	5,832.6	1,146.5	873.0
Himachal Pradesh	-	26.1	0.8
Jammu & Kashmir	-	45.3	-
Punjab	2,311.3	2,124.9	6,305.5
Uttar Pradesh	1,310.0	2,682.2	4,099.1
Uttarakhand	2,758.2	5,493.9	2,130.0
Delhi	-	396.0	104.5
<b>South</b>	<b>22,261.7</b>	<b>30,764.0</b>	<b>39,982.6</b>
Andhra Pradesh	1,335.7	2,714.2	2,668.8
Karnataka	7,683.7	9,907.3	16,462.6
Kerala	1,045.6	3,520.7	4,917.0
Tamil Nadu	11,575.7	14,104.8	15,373.3
Puducherry	621.0	517.0	561.0
<b>West</b>	<b>10,138.1</b>	<b>19,547.6</b>	<b>23,580.4</b>
Gujarat	978.5	6,411.4	3,667.9
Madhya Pradesh	1,408.1	4,824.2	2,638.0
Chhattisgarh	501.6	712.1	1,024.7
Maharashtra	5,897.9	6,218.6	14,847.4
Rajasthan	982.0	1,315.0	599.9
Goa	370.0	66.3	802.5
<b>Total</b>	<b>46,836.8</b>	<b>65,527.9</b>	<b>80,696.5</b>

(P) = Provisional.

Source: National Centre of Organic Farming, Ghaziabad.

## 11.00 MANPOWER

11.01 MANPOWER EMPLOYED IN MAJOR FERTILISER COMPANIES FOR FERTILISER BUSINESS		
Company	Total number of employees	As on
BVFCL	775	1.11.2015
CFCL	946	31.3.2016
CIL	4,298	1.10.2015
FACT	2,485	1.11.2015
GNFC, Bharuch	2,987 *	1.10.2016
Greenstar Fertilisers Ltd.	240	1.10.2016
GSFC, Sikka	309	1.10.2015
GSFC, Vadodara	2,963	1.10.2015
Hindalco Industries, Dahej	86	31.03.2013
IFFCO	5,372	1.10.2016
Indo Gulf Fert Ltd	781	1.10.2016
Kanpur Fert. & Cement	941	1.10.2016
Krishak Bharati Coop. (KRIBHCO)	2,003	1.10.2015
KRIBHCO Shyam Fertilizers Ltd.	615	1.10.2016
Matix Fertilizers & Chemicals Ltd.	45	1.10.2010
MCFL	834 *	1.10.2016
MFL	736	1.12.2015
NFCL	1,775	1.10.2016
NFL	3,602	31.12.2015
PPL	940	1.10.2016
RCFL	3,612	1.10.2016
SFC	730 *	1.10.2016
SPIC	628 *	1.10.2016
TCL-Babralla	422	1.10.2015
TCL-Haldia	294	1.10.2015
ZACL	727	1.10.2016
<b>Total (24 companies)</b>	<b>39,146</b>	
* = Fertiliser + other business.		

**PART I**

**SECTION 2**

**FEEDSTOCKS / RAW MATERIALS  
AND INTERMEDIATES**

**1.00 FEEDSTOCK - NATURAL GAS, NAPHTHA, F.OIL, ETC.**

<b>1.01 INDIAN PETROLEUM INDUSTRY AT A GLANCE</b>							
Items	Unit	2005-06	2010-11	2012-13	2013-14	2014-15	2015-16 <sup>pr</sup>
<b>1 Reserves @</b>							
(Balance recoverable)							
(i) Crude oil	Million tonnes	756.06	660.04	651.55	647.38	635.59	621.11
(ii) Natural gas	Billion M <sup>3</sup>	1075.41	1141.59	1171.69	1199.10	1251.89	1227.20
<b>2 Consumption</b>							
(i) Crude oil (in terms of refinery crude processed)	Million tonnes	130.11	196.99	219.21	222.50	223.24	232.86
(ii) Natural Gas (Incl. LNG)	Billion M <sup>3</sup>		52.02	53.91	48.99	46.95	47.85
(ii) Petroleum products	Million tonnes	113.21	141.04	157.06	158.41	165.52	183.49
<b>3 Production</b>							
(i) Crude oil	Million tonnes	32.19	37.68	37.86	37.79	37.46	36.95
(ii) Natural Gas	Billion M <sup>3</sup>		52.22	40.68	35.41	33.66	32.25
(ii) Petroleum Products	Million tonnes	124.41	194.82	217.74	220.76	221.14	231.92
<b>4 Imports &amp; Exports</b>							
<b>(a) Gross Imports</b>							
(i) Qty. crude oil	"	99.41	163.60	184.80	189.24	189.43	202.85
LNG	"	5.06	9.93	13.14	12.99	14.09	16.58
POL products	"	13.44	17.38	15.77	16.72	21.30	28.30
Total (i)	"	117.91	190.91	213.70	218.95	224.83	247.73
(ii) Value: Crude oil	Rs. crores	171702	455276	784652	864875	687416	416361
LNG	"	3366	14362	41902	53123	57384	45601
POL products	"	27972	55998	68363	74605	74644	65803
Total (ii)	"	203040	525637	894917	992603	819444	527765
<b>(b) Exports</b>							
(i) Qty. crude oil	Million tonnes	-	-	-	-	-	-
POL products	"	23.56	59.08	63.41	67.86	63.93	60.54
Total (i)	"	23.56	59.08	63.41	67.86	63.93	60.54
(ii) Value: crude oil	Rs. crores						
POL products	"	49974	196861	320090	368279	288580	176773
Total (ii)	"	49974	196861	320090	368279	288580	176773
<b>(c) Net Imports</b>							
(i) Qty. crude oil	Million tonnes	99.41	163.60	184.80	189.24	189.43	202.85
LNG	"	5.06	9.93	13.14	12.99	14.09	16.58
POL products	"	-10.12	-41.70	-47.63	-51.15	-42.63	-32.23
Total (i)	"	94.35	131.83	150.30	151.09	160.90	187.20
(ii) Value: crude oil	Rs. crores	171702	455276	784652	864875	687416	416361
LNG	"		14362	41902	53123	57384	45601
POL products	"	-22002	-140862	-251727	-293674	-213936	-110970
Total (ii)	"	149700	328776	574828	624324	530864	350992
(d) Unit value of crude oil Imports (Gross)	Rs./tonne	17272	27829	42461	45703	36288	20526
<b>5 India's Total Exports</b>	Rs. crores	456418	1142922	1634318	1905011	1896348	1714618
N.A. = Not available.							
(Continued)							

1.01 INDIAN PETROLEUM INDUSTRY AT A GLANCE (Concluded)							
Items	Unit	2005-06	2010-11	2012-13	2013-14	2014-15	2015-16 <sup>P</sup>
6 POL Imports as percentage of India's total exports							
(i) Gross imports	%	44.49	45.99	54.76	52.10	43.21	30.78
(ii) Net imports	%	33.54	28.77	35.17	32.77	27.99	20.47
7 Contribution of oil sector to Centre/State resources							
(i) Royalty from crude oil	Rs. crores	5067	8958	18083	20113	18339	13916
(ii) Royalty from gas	Rs. crores	864	2355	3880	3483	3874	2858
(iii) Oil development cess	"	5196	6783	15784	16072	16149	15854
(iv) Excise & custom duties*	"	63143	102828	98603	104163	122926	213995
(v) Sales tax	"	45934	80709	111438	127957	136137	142938
(vi) Dividend	"	10057	13329	14064	14994	14653	16507
(vii) Corporate tax/others	"	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
8 Natural gas							
(i) Gross production	Million M <sup>3</sup>	32202	52219	40679	35407	33657	32249
(ii) Utilisation (includes quantities re-injected)	"	31325	51254	39777	34574	32647	31083
P = Provisional. @ = As on 31st March of the year. N.A. = Not available. 1 crore = 10 million.							
Source = Economics & Statistics Division, Ministry of Petroleum & Natural Gas, G.O.I., New Delhi.							

1.02 (a) PRODUCTION AND OFFTAKE OF NATURAL GAS FOR ENERGY AND NON-ENERGY PURPOSES (including fertilisers)									
(million cubic meter)									
Year	Production				Offtake				Grand Total
	Gross production	Re-injected	Flared	Net production*	Energy purposes		Non-Energy purposes		
					Total	Power generation	Total	Fertiliser	
1990-91	17998	102	5130	12766	6375	3634	6391	5612	12766
1991-92	18645	132	4072	14441	7885	4774	6557	5509	14442
1992-93	18060	90	1854	16116	8625	4967	7491	6672	16116
1993-94	18335	71	1924	16340	9166	4785	7174	6499	16340
1994-95	19381	54	2004	17330	9710	5229	7627	6936	17337
1995-96	22642	--	1710	20932	10015	6836	8076	7602	18091
1996-97	23256	--	1932	21324	10498	6935	8134	7625	18632
1997-98	26401	--	1856	24545	12112	8114	9401	8752	21513
1998-99	27428	--	1723	25706	12970	8714	9519	8869	22489
1999-2000	28446	--	1561	26885	16424	8829	10461	8592	26885
2000-01	29477	--	1617	27860	17199	8801	10661	8480	27860
2001-02	29714	--	1677	28037	18234	9214	9803	7957	28037
2002-03	31389	--	1426	29963	19767	10510	10197	7955	29964
2003-04	31962	--	1056	30906	20940	11478	9966	7889	30906
2004-05	31763	--	988	30775	21328	12099	9447	8173	30775
2005-06	32202	4467	877	26858	22052	11878	8973	7762	31025
2006-07	31747	4372	956	26419	20855	11963	10513	8497	31368
2007-08	32417	4499	938	26981	18686	12037	11893	9823	30579
2008-09	32845	4680	1099	27066	22191	12603	10798	9082	32989
2009-10	47496	5661	975	40874	31371	21365	15135	13168	46506
2010-11	52219	5214	968	46040	36953	25787	14302	11464	51255
2011-12	47559	5313	1077	41168	42422	22628	18263	14003	60684
2012-13	40679	5429	902	34348	34562	16078	19352	14733	53915
2013-14	35407	5590	769	28984	29464	11284	19530	15869	48994
2014-15	33657	5867	865	26780	27716	10720	19239	15190	46955
2015-16 (P)	32249	5786	1006	25297	26683	10889	21166	16135	47850

P = Provisional. \* = Net production = Gross production - (Flared + Re-injected).  
Note: Please see Map on 'Gas Pipeline Network and Location of Urea Plants' in page I-10.  
Source = Economics & Statistics Division, Ministry of Petroleum & Natural Gas, G.O.I., New Delhi.

## 1.02 (b) PRODUCTION AND CONSUMPTION OF NAPHTHA BY FERTILISER INDUSTRY

('000 tonnes)

Year	Production	Consumption	
		Total	By Fertiliser Industry
1990-91	4859	3446	1842
1991-92	4546	3461	1770
1992-93	4586	3382	1678
1993-94	4666	3191	2172
1994-95	5662	3400	2495
1995-96	5975	4154	2669
1996-97	6123	4711	3019
1997-98	6103	7383	3404
1998-99	6081	8891	3648
1999-2000	8170	10801	3582
2000-01	9908	11673	3618
2001-02	9180	11728	3426
2002-03	9650	11961	3027
2003-04	11317	11868	3226
2004-05	14100	13993	3165
2005-06	16087	12194	2249
2006-07	18145	13886	1980
2007-08	17964	13294	1689
2008-09	16452	13911	1803
2009-10	18788	10134	844
2010-11	19196	10676	892
2011-12	18825	11222	962
2012-13	19018	12289	898
2013-14	18505	11305	516
2014-15	17391	11082	302
2015-16 (P)	17861	13402	316

Note : 1. Total consumption includes private sales. Consumption by Fertiliser Industry excludes private sales.

In 2009-10 &amp; onwards, Naphtha total consumption includes private sales and private imports.

2. Includes production from fractionators.

P = Provisional.

Source = Economics &amp; Statistics Division, Ministry of Petroleum &amp; Natural Gas, G.O.I., New Delhi.



1.02 (c) PRODUCTION AND CONSUMPTION OF FURNACE OIL, LSHS/HHS BY FERTILISER INDUSTRY						( <sup>000</sup> tonnes)
Year	Production (F.Oil+LSHS+ HHS/RFO)	Consumption				Grand Total (all industries)
		By Fertiliser Industry			Total	
		Furnace oil	LSHS/HHS			
1980-81	6120	585	493	1078	7473	
1985-86	7955	500	1032	1532	7900	
1986-87	8011	787	1203	1990	8047	
1987-88	8466	979	871	1850	8144	
1988-89	8171	1137	951	2088	8456	
1989-90	8952	841	1298	2139	8820	
1990-91	9429	1058	1184	2242	8986	
1991-92	9637	1404	1046	2450	9202	
1992-93	10403	1348	1002	2350	9267	
1993-94	10304	1160	1052	2212	9192	
1994-95	9822	1507	1001	2508	9889	
1995-96	9579	1770	1107	2877	11160	
1996-97	10298	1374	1354	2728	11507	
1997-98	11080	1235	1621	2856	11491	
1998-99	11030	942	1910	2852	12510	
1999-2000	11352	965	1767	2732	12453	
2000-01	11392	897	1723	2620	12653	
2001-02	12227	820	1489	2309	12982	
2002-03	12167	445	1422	1867	12738	
2003-04	13372	463	1430	1893	12945	
2004-05	14970	542	1312	1854	13540	
2005-06	14305	550	1295	1845	12828	
2006-07	15697	557	1267	1824	12618	
2007-08	15804	452	1206	1658	12717	
2008-09	17684	518	1145	1663	12588	
2009-10	18346	600	1007	1607	11628	
2010-11	20519	479	820	1299	10790	
2011-12	18433	458	890	1348	9307	
2012-13	15054	475	685	1160	7656	
2013-14	13405	408	15	423	6236	
2014-15	11919	393	2	395	5961	
2015-16 (P)	9727	476	3	480	6673	

(P) = Provisional.

Note : 1. Total consumption includes private sales. Consumption by Fertiliser Industry excludes private sales.  
2. Includes production from fractionators.

Source : Economics & Statistics Division, Ministry of Petroleum & Natural Gas,G.O.I., New Delhi.

**1.03 PRODUCTION, CONSUMPTION, IMPORT AND EXPORT OF PETROLEUM PRODUCTS,  
COAL AND LIGNITE — 2011-12 to 2015-16**

Product	Unit	Production					Consumption					Import (Export)				
		2011-12	2012-13	2013-14	2014-15	2015-16 <sup>P</sup>	2011-12	2012-13	2013-14	2014-15	2015-16 <sup>P</sup>	2011-12	2012-13	2013-14	2014-15	2015-16 <sup>P</sup>
1 Natural gas	Million cubic metres	47559\$	40679\$	35407\$	33657\$	32249\$	60684	53915	48994	46955	47850	-	-	-	-	-
2 LNG	Thousand tonnes	-	-	-	-	-	-	-	-	-	-	13214	13136	12995	14092	16582
3 Naphtha	Thousand tonnes	18825	19018	18505	17391	17861	11222	12289	11305	11082	13402	2091 (10139)	1735 (8647)	1026 (8322)	1034 (7008)	2984 (7116)
4 F. oil/ LSHS/ HHS/RFO	Thousand tonnes	18433	15054	13405	11919	9727	9307	7656	6236	5961	6673	1203 (7895)	1068 (5922)	1283 (6159)	902 (4762)	1194 (2806)
5 Coal (excl. lignite)	Million tonnes	540.0	556.4	565.8	612.4	638.1	535.3	567.1	571.3	542.1	590.9	102.9	145.8	166.9	217.8	199.9
P = Provisional		\$ = Gross production.					() = Export.					N.A. = Not available.				
LSHS = Low Sulphur Heavy Stock																
HHS = Hot Heavy Stock																
RFO = Residual Fuel Oil.																
Note: Data pertaining to coal consumption are despatches of coal.																
Source: 1. Economics & Statistics Division, Ministry of Petroleum & Natural Gas, Govt. of India, New Delhi.																
2. Ministry of Coal, Govt. of India.																

**2.00 ROCK PHOSPHATE AND SULPHUR**

<b>2.01 (a) STATE-WISE RESERVES / RESOURCES OF INDIAN ROCK PHOSPHATE AND APATITE</b> (As on 1.4.2005)	
(Million tonnes)	
State	Quantity
<b>A. ROCK PHOSPHATE</b>	
Gujarat	0.31
Jharkhand	107.37
Madhya Pradesh	50.43
Meghalaya	1.31
Rajasthan	95.93
Uttar Pradesh	25.77
Uttarakhand	24.18
<b>Total</b>	<b>305.31</b>
<b>B. APATITE</b>	
Andhra Pradesh	0.36
Gujarat	0.35
Jharkhand	7.27
Meghalaya	1.30
Rajasthan	1.07
Tamil Nadu	0.24
West Bengal	16.27
<b>Total</b>	<b>26.86</b>
Source : <i>Handbook on Fertiliser Tecnology, 2010</i> , FAI, New Delhi.	

**2.01 (b) GRADE-WISE RESERVES / RESOURCES OF INDIA ROCK PHOSPHATE  
( As on 1.4.2005)**

Sl No.	Grade (%)	Reserves (Million tonnes)	Usage
1.	> 30	21.1	Chemicals & Fertilisers (7 per cent)
2.	25-30	28.2	Blendable (9 per cent)
3.	15-30 and above	35.6	Direct application (12 per cent)
4.	10-20	90.7	Beneficiable (30 per cent)
5.	Unclassified & others	129.7	Low grade (38 per cent)
<b>Total</b>		<b>305.3</b>	

Source : *Handbook on Fertiliser Technology, 2010*, FAI, New Delhi.

**2.01 (c) CHEMICAL COMPOSITION OF INDIAN ROCK PHOSPHATE (Weight per cent)**

Constituent	RSMML, Rajasthan			Madhya Pradesh			West Bengal
	H.G.	M.G.	Chips	Jhabua	Hirapur	Krishna Phoschem Benef. Rock	Purulia
P <sub>2</sub> O <sub>5</sub>	33-34	31.54	31.5	24	27-29	30.2	19.5
CaO	47.0-51.0	46.84	47.17	42-48	42-52	45-46	24.9
SiO <sub>2</sub>	4.0-7.0	-	9.84	14-18	5-8	15-16	15.7
F	2.8-3.1	-	3.8	2.5-3.0	3-3.5	2.5-3.0	-
R <sub>2</sub> O <sub>3</sub>	1.0-2.0	2.5	2.11	3.3-28.5	2-11	2-2.5	25.8
MgO	1.0-2.5	0.64	0.49	0.5-0.75	0.1-1	0.5-0.75	1.9
Organic Matter	-	-	-	0.4	-	-	-
Cl (ppm)	100	-	-	0.1	0.05	-	-
CO <sub>2</sub> (as CaCO <sub>3</sub> )	-	-	-	1-1.6	0.3-1	1.5-2	-
SO <sub>3</sub>	Traces	-	-	0.40	0.03	-	-
TiO <sub>2</sub>	-	-	-	-	-	-	19.5
MnO	-	-	-	-	-	-	24.9
Na <sub>2</sub> O + K <sub>2</sub> O	-	-	-	-	-	-	15.7
LOI	5.6	7.12	4.02	-	0.1	-	-

Source : *Handbook on Fertiliser Technology, 2010*, FAI, New Delhi.

**2.02 TYPICAL ANALYSES OF IMPORTED ROCK PHOSPHATES ON DRY BASIS**

(Weight per cent)

Constituents	P <sub>2</sub> O <sub>5</sub>	CaO	SiO <sub>2</sub>	F	R <sub>2</sub> O <sub>3</sub>	MgO	Organic Matter	Cl (ppm)	CO <sub>2</sub> (as CaCO <sub>3</sub> )	SO <sub>3</sub>	LOI	Na <sub>2</sub> O	K <sub>2</sub> O
Countries													
Jordan	32.09	48.30	7.29	3.54	0.91	0.31	0.18	136-300	-	-	-	0.25-0.4	0.03-0.06
Morocco	32.85	50.84	1.94	4.00	0.64	0.30	0.30	100-200	4.94	-	-	0.70	0.06
Senegal	36.40	50.15	3.00	3.50	0.95	-	0.13	120.0	-	-	-	0.09	0.01
Togo	35.25-36.16	50.5	5.0-7.0	3.9-4.2	2.48	0.21	0.04	400.0	1.65	-	1.5 (max)	0.1-0.3	0.02-0.06
Nauru	38.0	53.1	0.51	2.6-3.9	0.65-1.72	0.17-0.51	0.37	-	2.54	-	-	-	-
Egypt	28.0-29.0	46.0-48.0	6.3-7.1	3.1-3.6	2.1-2.6	0.30-0.50	0.08-0.30	-	3.4-5.8	-	7.07	-	-
Algeria	31.45	50.15	2.80	3.75	0.75	0.80	-	300.0	6.00	-	-	0.70	0.10
Syria	28.0-29.0	48.0-50.0	5.0-8.0	2.0-3.5	0.25-0.35*	0.4-1.2	0.4-0.6	-	5.0-8.0	-	-	-	-
Tunisia	34.00	51.00	2.00	-	-	0.20	-	-	-	-	-	-	-
Israel	31.5	-	1.5-2.5	3.0-3.4	0.22-0.60	0.3-0.9	0.13	-	6.2	-	-	-	-
Vietnam HG	33.19	32.30	12.00	2.50	3.94	2.0	-	-	0.8	-	-	-	-
Vietnam LG	27.13	37.36	8.75	2.20	3.95	-	-	-	-	-	-	-	-
China	35.11-36.25	49.41-50.62	3.64-3.88	3.4-3.49	1.4-1.89	0.7-1.13	0.37-0.43	-	1.98-2.51	-	2.61-3.34	0.35-0.37	0.11-0.19
Florida	34.3	49.8	3.7	3.9	2.2	0.3	0.2	-	3.1	-	-	0.5	0.1
African Pharlaborwa	36.8	52.1	2.6	2.2	0.5	1.1	0.1	-	3.5	0.2	-	0.1	0.1
Brazilian	34.52	50.42	3.45	3.71	1.8	1.65	0.33	-	4.21	0.8	-	-	-
Russia													
- Kola	38.9	50.5	1.1	3.3	0.7	0.1	0.1	-	0.2	0.1	-	0.4	0.5
- Kovdor	37.0	52.5	2.0	0.8	0.3	2.1	0.2	-	-	-	-	-	-

\* = Only Al<sub>2</sub>O<sub>3</sub>.

Source: *Handbook on Fertiliser Technology, 2010*, FAI, New Delhi.

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2.03 (a) PRODUCTION OF ROCKPHOSPHATE IN INDIA 1971-72 to 2015-16 (April-March)							( '000 tonnes)
Year	PPCL <sup>1</sup>	RSMML <sup>2</sup>	MPSMC <sup>3</sup>		WBMDTC <sup>4</sup>	Total	
	Mussoorie# phos	Jhamarkotra	Meghnagar (Jhabua)	Hirapur (Sagar)	Purulia#		
1971-72	0.7	232.2	—	—	—	232.9	
1975-76	7.9	350.7	28	—	7	393.6	
1976-77	21.4	500	41	—	20.3	582.9	
1977-78	29	506.3	47.6	—	28.6	611.5	
1978-79	43.2	535.8	67.6	6.9	24.5	678	
1979-80	59	404	82.2	11.1	14.7	571	
1980-81	59.1	273.8	79.8	21.8	13.6	448.1	
1981-82	62.9	282.6	72.3	17.4	15.6	450.8	
1982-83	70	288	75	17.7	14.3	465	
1983-84	52.5	357.5	27.1	17.7	6.4	461.2	
1984-85	80.6	355.5	75.0@	18.0@	9.8@	538.9@	
1985-86	101.9	323.9	81.8@	23.8@	12.3@	543.7@	
1986-87	120.2	285	57.7	22.3	6.1@	491.3@	
1987-88	129	243	75.2	22	8.6@	477.8@	
1988-89	131.2	311.3	74	27.2	7.7	551.4	
1989-90	134	279.8	94.8	35.2	9.5	553.3	
1990-91	127.1	272.1	101.1	40.9	11.5	552.7	
1991-92	126	178.6	94.5	41.4	10	450.5	
1992-93	98.1	362	34.9	26.2	8.8	530	
1993-94	118.2	824	55.9	27.2	7	1032.3	
1994-95	120.5	781.9	54.6	22.6	5.2	984.8	
1995-96	120	1189	67.8	15.6	5.1	1397.5	
1996-97	125.1	1141.0*(42.0)#	126.3	16.4	5.1@	1413.9	
1997-98	110	993.0*(26.6)#	131.2	16.3	8.6	1259.1	
1998-99	12.1	870.0*(49.0)#	152.9	8.7	9.2	1052.9	
1999-2000	13.7	970.0*(89.7)#	139.7	15.3	8.1	1146.8	
2000-01	0.09	732.0*(72.0)#	42.9	23.7	7.8	806.5	
2001-02	Nil	866.0*(76.0)#	49.9	26.2	8.8	950.9	
2002-03	Nil	1157.7*(60.1)#	47.3	26.9	7.8	1239.7	
2003-04	Nil	1181.9*(26.0)#	45.6	13.8	7.9	1249.2	
2004-05	Nil	1249.5*(37.6)#	64.9	35.8	9.3	1359.5	
2005-06	Nil	1302.0*(59.0)#	137.8	112.6	8.3	1560.7	
2006-07	Nil	1312.0*(45.0)#	96.2	96.5	6.0	1510.7	
2007-08	Nil	1355.9*(83.0)#	62.8	81.8	4.5	1505.0	
2008-09	Nil	1229.8*(100.9)#	132.7	117.8	4.2	1484.5	
2009-10	Nil	1378.0*(80.0)#	127.1	77.8	4.1	1587.0	
2010-11	Nil	1791.0*(74.9)#	60.1	68.3	1.5	1920.9	
2011-12	Nil	1669.0*(33.6)#	110.2	129.7	1.2	1910.2	
2012-13	Nil	904.8*(4.8)#	133.9	115.0	0.5	1154.2	
2013-14	Nil	1082.0*(76.0)#	131.5	Nil	Nil	1213.5	
2014-15	Nil	1416.0*(78.0)#	19.6	60.5 (12.1)#	0.5	1496.6	
2015-16 (P)	Nil	1289.6*(53.0)#	-	66.0 (13.2)#	Nil	1355.6	

# = For direct application \* = Includes quantity manufactured for direct application. @ = Estimated.  
Source: 1. Pyrites, Phosphates and Chemicals Ltd., Dehradun (Uttarakhand). (P) = Provisional.  
2. Rajasthan State Mines and Minerals Ltd., Udaipur (Rajasthan).  
3. Madhya Pradesh State Mining Corporation Ltd., Bhopal. (M.P.).  
4. West Bengal Mineral Dev. and Trading Corporation Ltd., Kolkata (W.B.).

2.03 (b) DESPATCHES OF INDIGENOUS ROCKPHOSPHATE 1971-72 to 2015-16 (April-March)							('000 tonnes)
Year	PPCL <sup>1</sup>	RSMM <sup>2</sup>	MPSMC <sup>3</sup>		WBMDTC <sup>4</sup>	Total	
	Mussoorie phos #	Jhamarkotra	Meghnagar (Jhabua)	Hirapur (Sagar)	Purulia #		
1971-72	0.7	223.0	—	—	—	223.7	
1975-76	8.2	287.8	25.3	—	4.0	325.3	
1976-77	20.1	589.0	32.8	—	16.4	658.3	
1977-78	33.0	550.4	59.4	—	18.9	661.7	
1978-79	45.3	500.7	71.5	4.4	17.6	639.5	
1979-80	58.2	417.2	69.4	14.4	12.1	571.3	
1980-81	56.6	344.8	85.1	22.9	13.5	522.9	
1981-82	58.1	348.1	65.9	15.8	8.3	496.2	
1982-83	61.3	400.3	43.2	17.4	4.5	526.7	
1983-84	68.0	517.2	61.0	19.3	6.6	672.1	
1984-85	80.2	567.2	66.6	21.7	10.6@	746.3	
1985-86	100.7	411.5	73.1	23.3	11.3@	619.9	
1986-87	115.4	33.1	75.6	18.0	6.6@	548.7	
1987-88	125.5	327.2	91.3	14.3	9.1@	567.4	
1988-89	123.7	307.5	77.0	39.6	6.4	554.2@	
1989-90	129.0	267.6	84.2	39.0	10.6	530.4	
1990-91	125.9	283.1	77.3	40.2\$	11.6	538.1	
1991-92	114.5	251.3	25.6	25.5	8.4	425.3	
1992-93	103.4	366.0	30.2	25.3	7.6	532.5	
1993-94	106.6	567.7	32.9	12.8	8.0	728.0	
1994-95	100.2	714.1	53.8	11.0	3.7	882.8	
1995-96	107.0	812.3	114.2	24.2	7.3	1065.0	
1996-97	119.7	736.0* (39.0) #	140.0	19.7	7.3@	1022.7	
1997-98	105.8	881.0* (29.0) #	151.6	12.7	8.0	1159.1	
1998-99	58.8	932.0* (45.0) #	145.4	21.9	8.9	1167.0	
1999-2000	16.1	939.7* (81.2) #	129.4	29.2	8.5	1122.9	
2000-01	0.04	737.0* (71.0) #	30.8	19.7	7.4	794.9	
2001-02	Nil	1045.0* (75.0) #	51.0	21.9	8.4	1126.3	
2002-03	Nil	1067.0 (64.0) #	42.9	12.1	8.2	1130.2	
2003-04	Nil	1262.0* (81.4) #	43.1	16.3	8.4	1329.8	
2004-05	Nil	1323.7* (55.0) #	93.5	63.6	9.7	1490.5	
2005-06	Nil	1284.0* (64.0) #	107.4	115.0	6.8	1513.2	
2006-07	Nil	1320.0* (43.0) #	86.1	96.3	4.1	1506.5	
2007-08	Nil	1362.4* (78.9) #	87.3	81.8	5.9	1537.4	
2008-09	Nil	1245.8* (94.8) #	102.4	117.8	5.3	1471.3	
2009-10	Nil	995.0* (80.0) #	104.3	77.8	3.6	1180.7	
2010-11	Nil	1257.1* (74.9) #	105.0	51.7	1.9	1415.7	
2011-12	Nil	1156.5* (33.6) #	117.0	117.8	2.3	1393.5	
2012-13	Nil	752.0 (-) #	142.6	139.0	0.6	1034.2	
2013-14	Nil	573.0* (76.0) #	129.7	Nil	0.003	702.7	
2014-15	Nil	536.0* (78.0) #	26.8	56.9 (11.4)#@	0.5	620.2	
2015-16 (P)	Nil	860.0* (53.0)#	4.0	66.0 (13.2)#@	Nil	930.0	

\* = Includes quantity sold for direct application. # = For direct application. @ = Estimated  
 \$ = Includes 35.1 thousand tonnes of Hirapur rock distributed to SSP units. (P) = Provisional.  
 Source : 1. Pyrites, Phosphates and Chemicals Ltd., Dehradun (Uttarakhand).  
 2. Rajasthan State Mines and Minerals Ltd., Udaipur (Rajasthan).  
 3. Madhya Pradesh State Mining Corporation Ltd., Bhopal (M.P.).  
 4. West Bengal Mineral Deve. and Trading Corporation Ltd., Kolkata (W.B.).

2.04 IMPORT OF ROCKPHOSPHATE AND SULPHUR									
2007 to 2015-16									
('000 tonnes)									
Country	2007	2008	2009	2010	2011	2012	2013-14	2014-15	2015-16 (P)
<b>Rockphosphate</b>									
1 Algeria	615	570	178	35	74	89	35	63	218
2 China	80	215	—	—	—	—	neg.	neg.	neg.
3 Egypt	353	336	899	1036	991	1266	1461	1789	1761
4 Israel	—	—	391	295	374	206	351	171	98
5 Jordan	2584	2530	2229	2933	3526	3031	2655	3207	3157
6 Morocco	1110	876	729	918	1113	1324	962	1282	1395
7 Nauru	—	111	97	50	46	123	22	53	—
8 Peru	—	—	—	64	424	539	889	850	889
9 South Africa	—	—	—	—	—	—	40	21	22
10 Syria	19	—	33	89	94	37	—	—	—
11 Togo	395	266	489	570	541	664	728	805	461
12 Tunisia	20	—	27	—	—	—	—	—	—
13 Vietnam	68	357	254	397	339	—	—	—	—
14 Others	—	—	—	—	—	37	18	32	18
<b>Total</b>	<b>5244</b>	<b>5261</b>	<b>5327</b>	<b>6387</b>	<b>7522</b>	<b>7316</b>	<b>7161</b>	<b>8273</b>	<b>8019</b>
<b>Sulphur</b>									
1 Bahrain	75	61	94	89	—	109	60	97	103
2 Iran	279	266	117	487	439	304	27	2	1
3 Italy	—	3	—	29	—	—	—	—	—
4 Japan	50	60	60	45	—	—	24	39	64
5 Kazakhstan	80	21	31	31	—	—	—	—	—
6 Kuwait	258	215	141	256	203	212	147	175	87
7 Qatar	333	71	129	166	554	217	268	502	496
8 Russia	39	24	—	3	13	2	1	11	neg.
9 Saudi Arabia	186	292	398	273	102	284	427	470	416
10 Spain	—	6	—	—	—	—	—	—	—
11 U.S.A.	—	15	—	—	0.7	0.1	0.02	0.05	0.08
12 UAE/Abu Dhabi	452	331	291	383	353	323	333	323	214
13 Others	0.1	78	33	42	83	96	3	7	52
<b>Total</b>	<b>1752</b>	<b>1445</b>	<b>1294</b>	<b>1804</b>	<b>1748</b>	<b>1547</b>	<b>1290</b>	<b>1626</b>	<b>1433</b>
(P) = Provisional    neg. = Negligible.									
Source: 1. Minerals and Metals Trading Corpn. of India Ltd., New Delhi.									
2. International Fertilizer Industry Association, Paris.									
3. <i>Export Import Data Bank</i> , Deptt. of Commerce, Ministry of Commerce & Industry, GOI.									



**2.05 ALL INDIA PRODUCTION OF SULPHURIC ACID  
1980-81, 1990-91, 1995-96 to 2012-13**

Year	Production ('000 tonnes)
1980-81	2,163.0
1990-91	3,519.9
1995-96	4,402.0
1996-97	4,997.0
1998-99	5,340.0
1999-2000	5,718.9
2000-01	5,539.6
2001-02	5,177.5
2002-03	5,988.4
2003-04	6,075.8
2004-05	6,665.9
2005-06	6,977.9
2006-07	7,155.5
2007-08	6,569.3
2008-09	6,394.8
2009-10	7,443.9
2010-11	5,652.5
2011-12	5,869.6
2012-13	5,729.6

Source: 1. Directorate General of Technical Development, Govt. of India, New Delhi.  
2. Various issues of *Monthly Review of the Indian Economy*, CMIE.

**2.06 TRAFFIC OF FERTILISER RAW MATERIALS HANDLED AT MAJOR PORTS  
2010-11 to 2015-16**

Port	('000 tonnes)					
	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16 (P)
1 Kolkata	14	-	5	-	5	51
2 Haldia	186	337	277	366	482	338
3 Paradeep	4,226	4,547	4,004	3,932	4,378	4,361
4 Vizag	811	832	565	795	720	799
5 Ennore	-	-	-	-	-	-
6 Chennai	337	249	232	255	344	199
7 V.O. Chidambaranar (Formerly: Tuticorin)	730	891	564	790	1,053	1,012
8 Cochin	353	315	331	271	378	230
9 New Mangalore	4	21	17	50	55	79
10 Mormugao	10	-	-	-	-	-
11 Mumbai	335	174	356	151	275	291
12 J.N.P.T.	-	-	-	-	-	-
13 Kandla	583	761	946	991	655	170
<b>Total</b>	<b>7,589</b>	<b>8,127</b>	<b>7,297</b>	<b>7,601</b>	<b>8,345</b>	<b>7,530</b>

(P) = Provisional. Note: Please see Map on 'Location of Major and Selected Ports in India' in page I-11.  
Source: Indian Ports Association, New Delhi.

**3.00 AMMONIA AND PHOSPHORIC ACID**

3.01 MANUFACTURER-WISE CAPACITY OF AMMONIA								
(As on 1.11.2016)								
(' 000 tonnes)								
Sl. No.	Name of the plant/ location	Ammonia Capacity per annum	Sl. No.	Name of the plant/ location	Ammonia Capacity per annum	Sl. No.	Name of the plant/ location	Ammonia Capacity per annum
<b>I. Public</b>			<b>II. Private</b>			<b>III. Cooperative</b>		
1.	BVFCL, Namrup II	144.0	1.	CFCL, Gadepan -I	660.0	1.	IFFCO, Aonla-I	574.2
2.	BVFCL, Namrup III	167.4	2.	CFCL, Gadepan-II	627.0	2.	IFFCO, Aonla-II	574.2
3.	FACT, Udyogamandal	326.7	3.	DFPCL, Taloja	125.4	3.	IFFCO, Kalol	363.0
4.	FACT, Cochin I*	198.0	4.	Kanpur Fert., Kanpur	425.7	4.	IFFCO, Phulpur-I	401.0
5.	MFL, Manali	346.5	5.	GNFC, Bharuch	445.5	5.	IFFCO, Phulpur-II	574.2
6.	NFL, Bhatinda	297.0	6.	GSFC, Baroda	445.5	6.	KRIBHCO, Hazira	1247.4
7.	NFL, Nangal II	313.5	7.	IGF, Jagdishpur	630.3	<b>III. Total Cooperative</b>		<b>3734.0</b>
8.	NFL, Panipat	297.0	(A unit of Aditya Birla Nuvo Ltd.)					
9.	NFL, Vijaipur-I	586.4	8.	MCFL, Mangalore	217.8			
10.	NFL, Vijaipur-II	667.6	9.	NFCL, Kakinada -I	437.3			
11.	RCF, Thal	1155.0	10.	NFCL, Kakinada -II	429.0			
12.	RCF, Trombay -I	115.5	11.	KSFL, Shahjahanpur	501.6			
13.	RCF, Trombay -V	297.0	12.	SFC, Kota	223.5			
			13.	SPIC, Tuticorin	363.0			
			14.	TCL, Babrala	660.0			
			15.	ZACL, Goa	264.0			
<b>I. Total Public</b>		<b>4713.6</b>	<b>II. Total Private</b>		<b>6455.6</b>	<b>IV. Grand Total (I+II+III)</b>		<b>14903.2</b>
* = Currently not in operation and excluded from the totals.								

<b>3.02 (a) PRODUCTION OF AMMONIA IN FERTILISER INDUSTRY</b>	
<b>1990-91, 1995-96 and 2000-01 to 2015-16</b>	
<b>Year</b>	<b>Quantity produced ('000 tonnes ammonia)</b>
1990-91	8555.6
1995-96	10358.4
2000-01	12882.1
2001-02	12150.0
2002-03	11834.6
2003-04	12595.2
2004-05	12800.7
2005-06	12492.2
2006-07	12572.6
2007-08	12267.2
2008-09	12420.2
2009-10	13253.8
2010-11	13531.7
2011-12	13583.6
2012-13	14262.5
2013-14	14245.0
2014-15	13835.0
2015-16 (P)	15067.5
(P) = Provisional.	
<b>3.02 (b) IMPORT OF AMMONIA FOR FERTILISER INDUSTRY</b>	
<b>1990-91, 1995-96 and 2000-01 to 2015-16</b>	
<b>Year</b>	<b>Quantity imported ('000 tonnes)</b>
1990-91	595.01
1995-96	925.10
2000-01	1288.60
2001-02	1501.40
2002-03	1517.80
2003-04	1326.44
2004-05	1618.13
2005-06	1628.47
2006-07	1761.55
2007-08	1667.98
2008-09	1470.90
2009-10	1915.72
2010-11	1735.10
2011-12	1725.85
2012-13	1705.20
2013-14	1956.97
2014-15	2071.82
2015-16 (P)	2187.61
(P) = Provisional.	

3.03 SOURCEWISE IMPORT OF AMMONIA BY INDIA									
2007-08 to 2015-16									
('000 tonnes)									
Country	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16 (P)
Australia	-	-	15.5	-	-	20.0	-	6.3	15.0
Bahrain	24.9	11.2	61.6	16.5	26.5	3.4	13.0	-	18.4
Bangladesh	83.6	92.7	25.2	4.0	24.6	15.2	5.5	7.9	19.0
CIS	6.6	-	-	-	-	-	-	-	-
Egypt	-	-	-	49.2	18.5	53.4	55.5	34.7	-
Germany	-	-	16.8	-	-	-	neg.	neg.	-
Indonesia	69.7	5.0	30.0	1.0	-	35.2	70.3	3.3	109.8
Iran	175.9	346.4	343.6	724.0	551.9	326.9	594.2	686.9	601.4
Japan	-	-	27.5	-	-	-	-	neg.	-
Kuwait	51.2	14.7	35.6	34.4	18.5	62.3	-	-	15.0
Libya	-	-	-	-	-	-	-	-	-
Malaysia	99.7	134.4	134.9	127.9	119.6	51.5	-	-	13.7
Oman	-	105.3	123.2	67.0	131.4	142.1	42.4	-	-
Qatar	260.6	233.3	249.4	272.4	254.5	433.8	363.5	390.2	428.0
Russia	-	-	-	-	-	23.3	101.7	8.0	6.0
Saudi Arabia	771.3	496.0	598.0	412.8	508.9	358.2	470.1	518.2	474.4
Trinidad	-	-	25.0	-	-	-	-	-	-
Turkey	-	-	-	-	3.6	-	5.0	29.9	-
UAE/Abu Dhabi	78.6	9.6	165.5	25.9	50.3	31.5	2.7	17.8	44.4
Ukraine	45.9	22.3	64.1	-	17.6	116.0	220.6	350.7	436.7
USA	-	-	-	-	-	-	neg.	neg.	-
Others	-	-	-	-	-	32.5	12.6	18.2	6.0
<b>Total</b>	<b>1,668.0</b>	<b>1,470.9</b>	<b>1,915.7</b>	<b>1,735.1</b>	<b>1,725.8</b>	<b>1,705.2</b>	<b>1,957.0</b>	<b>2,071.8</b>	<b>2,187.6</b>
(P) = Provisional. neg. = Negligible.									
Source: 1. Department of Fertilizers, Ministry of Chemicals and Fertilizers, Govt. of India.									
2. <i>Export Import Data Bank</i> , Deptt. of Commerce, Ministry of Commerce & Industry, Govt. of India.									

<b>3.04 MANUFACTURER-WISE CAPACITY OF PHOSPHORIC ACID</b>			
<b>(As on November 1, 2016)</b>			
('000 tonnes)			
Name of factory/location	Sector	Date of Commissioning	Phosphoric acid (as P <sub>2</sub> O <sub>5</sub> ) per annum
<b>IN PRODUCTION</b>			
1. Coromandel International Ltd., Vizag (A.P.)	Private	February 1968	150.0
2. Coromandel International Ltd., Ennore (A.P.)	Private	March 1963 / Modn. 1988-90 Expn. May 1997	66.0
3. Fertilisers & Chemicals Travancore Ltd., Udyogamandal (Kerala)	Public	December 1960 Expn. March 1972	33.0
4. Fertilisers & Chemicals Travancore Ltd., Cochin II (Kerala)	Public	December 1976	115.0
5. Gujarat State Fertilizers & Chems. Ltd., Baroda (Guj.)	Private	May 1967	54.0
6. Tata Chemicals Ltd. (Phosphate Div.), Haldia (West Bengal)	Private	October 1979	28.1
7. Hindalco Industries Ltd., Dahej (Guj.)	Private	1999	180.0
8. IFFCO Ltd., Paradeep (Orissa)	Cooperative	February 2000	874.5
9. Paradeep Phos. Ltd., Paradeep (Phase II), (Orissa)	Private	June 1992	300.0
10. Rashtriya Chemicals & Fertilisers Ltd., Trombay (Maha.)	Public	June 1975	30.0
11. Sterlite Industries Ltd., Tuticorin (T.N.)	Private	1999	230.0
12. Greenstar Fertilizers Ltd., Tuticorin (Tamil Nadu) (Acquired Phosphate division of SPIC, Tuticorin in Oct. 2011)	Private	1977/1983	125.0
	<b>Sector-wise capacity</b>	<b>Public</b>	<b>178.0</b>
		<b>Private</b>	<b>1133.1</b>
		<b>Cooperative</b>	<b>874.5</b>
	<b>Total capacity</b>		<b>2185.6</b>

3.05 PRODUCTION OF PHOSPHORIC ACID AND ITS CONSUMPTION IN THE FERTILISER INDUSTRY 1980-81 to 2015-16 (April-March)		
('000 tonnes P <sub>2</sub> O <sub>5</sub> )		
Year	Production	Consumption #
1980-81	275.2	277.0
1981-82	271.0	268.8
1982-83	256.9	267.1
1983-84	246.4	253.5
1984-85	266.5	278.0
1985-86	270.9	257.7
1986-87	261.6	259.9
1987-88	284.9	287.5
1988-89	329.8	314.3
1989-90	357.3	335.0
1990-91	372.0	366.4
1991-92	386.0	380.0
1992-93	354.1	350.0
1993-94	259.4	245.0(P)
1994-95	432.5	430.2
1995-96	375.1	375.0(P)
1996-97	388.4	366.5
1997-98	430.0	454.0
1998-99	502.6	502.6
1999-2000	567.9	570.0
2000-01	1042.4	1042.4
2001-02	1134.7	1134.7
2002-03	1085.6	1085.6
2003-04	990.1	954.1
2004-05	1242.5	1256.8
2005-06	1067.8	1050 (E)
2006-07	1331.8	1310 (E)
2007-08 (P)	1206.5	1200 (E)
2008-09 (P)	1201.7	1180 (E)
2009-10 (P)	1160.0	1155 (E)
2010-11 (P)	1544.6	1530 (E)
2011-12 (P)	1740.4	1725 (E)
2012-13 (P)	1394.7	1394 (E)
2013-14 (P)	1425.7	1426 (E)
2014-15 (P)	1642.1	1642 (E)
2015-16 (P)	1670.1	1670 (E)
# = Out of indigenous production		(P) = Provisional.
Note: Phosphoric acid is expressed as 100 per cent P <sub>2</sub> O <sub>5</sub> .		(E) = Estimated.

3.06 IMPORT OF PHOSPHORIC ACID AND ITS CONSUMPTION IN THE FERTILISER INDUSTRY 1981-82 to 2015-16		
('000 tonnes of P <sub>2</sub> O <sub>5</sub> )		
Year	Import*	Consumption+
1981-82	441.1	441.2
1982-83	393.1	390.3
1983-84	518.7	511.5
1984-85	611.0	646.7
1985-86	755.8	791.1
1986-87	1074.6	1025.2
1987-88	1454.3	1441.8
1988-89	1335.4	1357.5
1989-90	976.6	925.5
1990-91	959.2	1040.7
1991-92	1668.1	1660.0
1992-93	1438.9	1401.4
1993-94	1263.9	1215.0
1994-95	1623.1	1591.7
1995-96	1632.1	1630.0
1996-97	1725.1	1725.1
1997-98	2042.0	2010.7
1998-99	2116.4	2091.7
1999-2000	2273.1	2273.1
2000-01	2179.1	2179.1
2001-02	2209.9	2209.9
2002-03	2403.4	2403.4
2003-04	2392.3	2392.3
2004-05	2352.6	2352.6
2005-06	2572.4	2572.4
2006-07	2365.4	2365.4
2007-08	2209.4	2209.4
2008-09	1581.9	1581.9
2009-10	2721.0	2721.0
2010-11	2139.8	2139.8
2011-12	1906.4	1906.4
2012-13	1829.1	1829.1
2013-14	1749.8	1749.8
2014-15 (P)	1796.5	1796.5
2015-16 (P)	2189.2	2189.2

+ = Out of imports. (P) = Provisional.  
 \* = Imported phosphoric acid received by manufacturers.  
 Note: Phosphoric acid is expressed as 100 per cent P<sub>2</sub>O<sub>5</sub>.

3.07 SOURCEWISE IMPORT OF PHOSPHORIC ACID BY INDIA									
2007-08 to 2015-16									
('000 tonnes)									
Country	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16 (P)
Brazil	-	-	-	-	-	-	5.8	5.6	1.4
China	-	-	-	-	-	12.1	7.8	4.1	3.6
Israel	-	11.9	176.5	39.5	87.7	40.4	48.4	50.2	60.8
Jordan	106.8	49.7	52.2	3.8	-	10.4	-	152.6	317.8
Korea	-	-	-	-	-	5.8	3.0	4.7	4.3
Lebanon	3.7	5.2	4.5	7.7	-	-	-	-	-
Morocco	952.6	607.3	1,246.6	943.7	880.1	756.1	1,017.2	937.6	1,034.7
Philippines	-	-	-	11.2	-	-	-	-	-
Indonesia	-	11.3	-	-	-	-	-	-	-
Senegal	209.9	108.4	303.2	293.8	321.3	-	167.5	153.8	247.1
Saudi Arabia	-	-	-	-	-	399.3	46.1	-	31.3
South Africa	482.0	421.1	325.5	256.0	208.1	81.6	96.2	25.2	62.0
South Korea	-	-	-	-	-	0.1	-	-	-
Spain	-	31.1	8.1	-	-	-	-	-	-
Tunisia	276.7	230.1	375.3	321.0	95.0	211.6	52.1	192.8	127.7
USA	177.7	105.8	229.2	263.1	314.3	299.2	294.7	236.1	178.1
Vietnam	-	-	-	-	-	-	1.3	23.9	107.2
Others	-	-	-	-	-	12.5	9.9	10.0	13.3
<b>Total</b>	<b>2,209.4</b>	<b>1,581.9</b>	<b>2,721.0</b>	<b>2,139.8</b>	<b>1,906.4</b>	<b>1,829.1</b>	<b>1,749.8</b>	<b>1,796.5</b>	<b>2,189.2</b>

(P) = Provisional.

Source: 1. Department of Fertilizers, Ministry of Chemicals and Fertilizers, Govt. of India.  
2. *Export Import Data Bank*, Deptt. of Commerce, Ministry of Commerce & Industry, Govt. of India.



**4.00 PRICES, TAXES ON FEEDSTOCK, RAW MATERIAL/  
INTERMEDIATES AND RAILWAY FREIGHT**

<b>4.01 (a) BASIC CEILING SELLING PRICES FOR NAPHTHA, FURNACE OIL AND LSHS - EX-STORAGE POINTS 1971-72 to 2000-01</b>						
Year	Price					
	Furnace oil (Rs./KL) for		Naphtha (Rs./tonne)		LSHS(Rs./tonne) for	
	Fertilisers	Non-fert.	Fertilisers	Non-fert.	Fertilisers	Non-fert.
1971-72	233	#	144	#		
1972-73	233-280	#	156-252	#		
1973-74	249-604	#	193-486	#		
1974-75	654-683	#	486	1000		
1975-76	763-883	#	486-596	1012		
1976-77	883	#	596	1012		
1977-78	883-889	#	596	1012		
1978-79	889	#	596	1012		
1979-80	829-889	889-1209	596	1012-2482		
1980-81	829-1039	1209-2189	596-1371	2482-2792		
1981-82	1039-1274	2189-2424	1371-1723	2792		
1982-83	1274	2424-2524	1723	2792		
1983-84	1274	2524	1723	2792		
1984-85	1274-1320	2524-2903	1723-1982	2792-3211		
1985-86	1320	2903	1982	3211		
1986-87	1320	2903	1982	3211		
1987-88	1320	2903	1982	3211		
1988-89	1320	2903	1982	3211		
1989-90	1320	2903	1982	3211	1349	2769
1990-91	1320-1650	2903-3629	1982-2478	3211-4014	1349-1686	2769-3461
1991-92	1650-1815	3629-3992	2478-2726	4014-4415	1686-1854	3461-3807
1992-93	1815-2812	3992-4989	2726-3723	4415-6076	1854-2852	3807-4804
1993-94	2812	4435-4989	3723	6076	2852	4804
1994-95	2812	4535	3723	6076	2852	4804
1995-96	2812	4535	3723	6076	2852	4804
1996-97	2812-5143	4535-5896	3723-7624	6076-7624	2852-6089	4804-6245
1997-98	5053-5143	#	7444-7624	#	5452-6089	#
1998-99	4050-5570	#	6250-7475	#	4340-5970	#
1999-2000	4400-9870	#	7100-13630	#	4720-10470	#
2000-01	6790-10570	#	10860-16650	#	7280-11220	#

1.071 KL = 1 tonne  
# = Common price for fertilisers and non-fertilisers.  
Note : Prices of Naphtha (for fertiliser and non- fertiliser use) and Furnace oil (for fertiliser use ) are exclusive of excise and customs duties wherever applicable.

Source : Economics & Statistics Division, Ministry of Petroleum and Natural Gas, GOI, New Delhi.

**4.01 (b) BASIC CEILING SELLING PRICES FOR  
NAPHTHA, FURNACE OIL AND LSHS - EX-STORAGE POINTS (General Category)  
(16-7-2001 to 16-10-2002)**

Date (w.e.f)	Price		
	Furnace oil (Rs./KL)	Naphtha (Rs./tonne)	LSHS (Rs./tonne)
16-7-2001	7650-8180	12550-13240	8200-8690
1-8-2002	7900-8430	11890-12580	8470-8960
16-8-2001	8170-8700	12140-12830	8760-9250
1-9-2001	8420-8950	11890-12580	9020-9510
16-9-2001	8800-9330	12380-13070	9430-9920
16-10-2001	8320-8850	11020-11710	8920-9410
1-11-2001	7990-8440	10700-11430	8560-9310
20-11-2001	7250-7780	10100-10830	7770-8520
1-12-2001	6820-7350	9720-10440	7310-8060
16-12-2001	6980-7510	9580-10390	7480-8240
1-1-2002	7160-7690	9760-10480	7670-8420
16-1-2002	"	10470-11160	"
16-2-2002	7370-7900	10780-11470	7900-8570
1-3-2002	7590-8120	11050-11740	8130-8800
16-3-2002	8040-8570	12140-12830	8620-9290
1-6-2002	10100-10630	13560-14290	10810-11480
16-6-2002	9660-10190	12880-13620	10340-11050
1-7-2002	"	13080-13820	"
16-7-2002	9810-10340	"	10500-11240
1-8-2002	10060-10580	13330-14090	10760-11500
1-9-2002	10310-10840	13740-14630	11040-11740
1-10-2002	10730-11260	14580-15400	11490-12190
16-10-2002	10460-11130	14370-15240	11200-12050

4.01(c) BASIC (INCLUDING FREIGHT) AND DELIVERED PRICES OF NAPHTHA, FURNACE OIL AND LSHS FOR FERTILISER COMPANIES (1.4.2007 to 1-10-2016)						
Date (w.e.f)	Furnace oil (Rs./KL)		Naphtha (Rs./tonne)		LSHS (Rs./tonne)	
	Basic price	Delivered price	Basic price	Delivered price	Basic price	Delivered price
1.4.2007	12716-17581	13872-22667	25595-30522	25098-33299	17885	23437
1.7.2007	14784-18421	16045-23850	27150-29892	29898-33627	18755	24577
1.10.2007	17486-19727	19210-25816	27657-34485	29699-36072	20225	26503
1.1.2008	19609-21283	25091-29283	33439-36335	37619-40756		
1.4.2008	22403	27981	35820-45450	40297-47151		
1.7.2008	22403	27981	43742-52242	49144-58136	31820	40788
1.10.2008	14592-31755	16883-38192	33740-48017	34390-54019	20414	24264
1.1.2009	12882-15294	14371-18085	14067-21493	17098-25469	17163	20396
1.4.2009	13353-16690	14867-23706	18605-25730	22048-26228	20658	24556
1.7.2009	18980-25721	20930-29477	25350-33427	29934-37606	24575	29055
1.10.2009	21568-27373	23706-31115	31364-33289	33378-37450	20972-26189	24609-31133
1.1.2010	24360-25190	29888-32924	36597	41172	21637	25390
1.4.2010	24879-26540	31310-33925	37699	42788		
1.7.2010	24088-26027	29641-32846	35582	40385	20280	23796
1.10.2010	25109-25930	30140-30784	31964	37877	20555	24119
1.1.2011	26943	36739	32968-43362	39036-49015		
1.4.2011	33223	45502	44895-47902	49818-51181		
1.7.2011	31740	43472	45643-45897	47732-52033		
1.10.2011	34453	47187	49534-49785	52275-56468		
1.1.2012	38024	52078	52009	59290		
1.4.2012	42225	57832	58864	61807		
1.7.2012	36095	49436	45284	47548		
1.10.2012	39259	54005		50570-51490		
1.1.2013	36309	49947		54846-57199		
1.4.2013	37625	51758		55748		
1.7.2013	40739	56041		54336	41422-47377	54047-54180
1.10.2013	41284	56790	62659	66106	44185-50539	57667-57799
1.1.2014	40668	55944	64625	68179		
1.4.2014	39848	54816	60943	64294		
1.7.2014	40412	55591	62855	66313		
1.10.2014	37822	52028	56535	59645		
1.1.2015	26752	36800	40245	42459		
1.4.2015	22648	31041	36381	38382		
1.7.2015	25012	34281	39426	41594		
1.10.2015	18152-18692	21652-24879	32580-33736	32580-35591		
1.1.2016	13203-13693	15861-18095	30250-31407	30250-33135		
1.4.2016	13923-15130	17656-19082	28730-29747	28730-31383		
1.7.2016	18743-19023	22199-25689	32280-33048	32280-34866		
1.10.2016	20163-20483	23903-27635	30870-31448	30870-33178		

Note: Above prices are based on data received from selected companies.

4.01 (d) CONSUMER AND PRODUCER PRICES OF NATURAL GAS							
Date (Effective from)	Consumer Prices		Transportation charges along HVJ pipeline	Producer Prices			Calorific value (K.Cal/SCM)#
	Off-shore (landfall point) and Onshore	For North- Eastern States		ONGC	ONGC (NE states)	OIL (NE states)	
01.01.2004	2850	1700	1150	2224	1700	1900	10000
01.04.2004	2850	1700	1150	2137	1700	1900	10000
01.07.2004	2850	1700	1150	2176	1700	1900	10000
01.09.2004	2850	1700	1150	2194	1700	1900	10000
01.10.2004	2850	1700	1150	2120	1700	1900	10000
01.01.2005	2850	1700	1150	2143	1700	1900	10000
01.04.2005	2850	1700	1150	2384	1700	1900	10000
01.07.2005	3200	1920	1150	3168	1920	3168	10000
01.10.2005	3200	1920	1150	3137	1920	3137	10000
01.01.2006	3200	1920	1150	3118	1920	3118	10000
01.04.2006	3200	1920	1150	3200	1920	3200	10000
01.04.2007	3200	1920	1150	3200	1920	3200	10000
01.04.2008	3200	1920	1150	3200	1920	3200	10000
01.04.2009	3200	1920	1069	3200	1920	3200	10000
01.04.2010	3200	1920	1069	3200	1920	3200	10000
01.04.2011	7499	4499	1010	7498	7498	7499	10000
01.04.2012	8387	5032	1010	8387	8387	8387	10000
01.04.2013	9067	5440	N.A.	8387	9067	9067	10000
01.04.2014	10168	6101	N.A.	9067	10168	10168	10000
01.11.2014	12292	7375	N.A.	12292	12292	12292	10000
01.04.2015	11548	6929	N.A.	11548	11548	11548	10000
01.04.2016	8138	4883	N.A.	8138	8138	8138	10000

Note:

- Price of APM gas upto 31.05.2010 was exclusive of royalty/levies.
- W.e.f. 04.06.2010, GoI has revised the Producer price of Natural Gas to USD 4.2/mmbtu less royalty. Consumer Price for NE state is 60% of the producer price. The difference of Producer price and consumer price in NE is paid to ONGC/OIL from Govt. Budget.
- Government notified New Domestic Gas Pricing Guidelines, 2014 on 25.10.2014, which are made effective from 01.11.2014. As per new guidelines, Domestic Gas Price is given below on GCV basis:

Period	Price US\$/MMBTU
November 2014 to March 2015	5.05
April 2015 to September 2015	4.66
October 2015 to March 2016	3.82
April 2016 to September 2016	3.06
October 2016 to March 2017	2.50
- # Gas price prior to 01.11.2014 was on Net Calorific Value (NCV) basis. As per new guidelines dated 25.10.2014, effective from 01.11.2014, gas price is on Gross Calorific Value (GCV) basis.
- From 01.04.2011 onwards, Consumer Price/Producer price in Rs./MSCM is worked out considering average FE Rate (RBI Reference Rate) of previous Month.

Source : Economics & Statistics Division, Ministry of Petroleum & Natural Gas, New Delhi.

4.01(e) ESTIMATED DELIVERED PRICES OF NATURAL GAS FOR FERTILISER COMPANIES (1.4.2010 to 1-4-2015)			
<b>I. GAIL (APM price)</b>			(Rs./'000M <sup>3</sup> )
Date (w.e.f)	Plants at HBJ pipeline	Date (w.e.f)	Plants at HBJ pipeline
1.4.2010	N.A.	1.1.2013	9060-12173
1.7.2010	N.A.	1.4.2013	9261-11980
1.10.2010	8816-10574	1.7.2013	9986-12216
1.1.2011	8489-10284	1.10.2013	10060-13780
1.4.2011	8049-10365	1.1.2014	10213-11868
1.7.2011	8181-10262	1.4.2014	10043-11603
1.10.2011	8746-10334	1.7.2014	9852-11738
1.1.2012	9501-11394	1.10.2014	9907-11710
1.4.2012	9944-11099	1.1.2015	15493
1.7.2012	9942-12114	1.4.2015	14117
1.10.2012	8997-12322		
Note: 1. The prices mentioned above are based on data received from selected companies.			
2. Delivered prices of gas varies from plant to plant at different locations depending upon the calorific value of gas at which it is received. Prices indicated here have been standardised at 10,000 K. Cal per SM3.			
3. The APM gas prices sourced from PMT are also at the similar levels.			
<b>II. RIL</b>			(Rs./'000M <sup>3</sup> )
Date (w.e.f)	Delivered price	Date (w.e.f)	Delivered price
1.4.2010	11444-12661	1.1.2013	12017-12984
1.7.2010	11149-11430	1.4.2013	12256-12877
1.10.2010	10545-11807	1.7.2013	12676-13742
1.1.2011	10514-11118	1.10.2013	12911-14120
1.4.2011	10511-11096	1.1.2014	13254-14045
1.7.2011	10024-10863	1.4.2014	12867-13709
1.10.2011	10693-11784	1.7.2014	12532-13668
1.1.2012	11470-11960	1.10.2014	13153-14387
1.4.2012	11336-11912	1.1.2015	17217
1.7.2012	12350-12933	1.4.2015	16411
1.10.2012	11961-12752		
<b>III. PMT (Spot price)</b>			(Rs./'000M <sup>3</sup> )
Date (w.e.f)	Delivered price	Date (w.e.f)	Delivered price
1.4.2010	10377	1.1.2013	12938-13730
1.7.2010	10049	1.4.2013	13426-13676
1.10.2010	10819	1.7.2013	13948-15993
1.1.2011	11367	1.10.2013	14106-15517
1.4.2011	11149	1.1.2014	14511-15767
1.7.2011	11381	1.4.2014	14104-15278
1.10.2011	12522	1.7.2014	13828-15268
1.1.2012	12599	1.10.2014	14254-15675
1.4.2012	N.A.	1.1.2015	15771
1.7.2012	14465	1.4.2015	15766
1.10.2012	12605-13699		

<b>4.01(f) ESTIMATED BASIC AND DELIVERED PRICES OF RLNG FOR FERTILISER COMPANIES (1-4-2011 to 1-4-2015)</b>				
Date (w.e.f)	GAIL- RLNG (Rs./000 M <sup>3</sup> )		IOCL- RLNG (Rs./000 M <sup>3</sup> )	
	Basic price*	Delivered price*	Basic price	Delivered price
1.4.2011	13169-16022	15729-19105	14050	15057
1.7.2011	13696-17044	16696-20229	15425	16526
1.10.2011	14943-19703	17650-23154	18046	19327
1.1.2012	17505-22236	20471-26389	19578	20968
1.4.2012	18403-22959	21469-27231	N.A.	N.A.
1.7.2012	21770-26709	25221-31360	24411	26144
1.10.2012	22931-27182	26070-31879	23400-24940	26332-26711
1.1.2013	23993-29804	27627-34764	25553-26806	28631-28709
1.4.2013	25308-31343	29073-36480	27368-27695	29661-30568
1.7.2013	27427-35955	31407-41553	30563-32336	33905-34632
1.10.2013	31553-39066	34699-44976	31670-33407	35047-35779
1.1.2014	33419-40514	36727-44349	33284-35284	36809-37789
1.4.2014	32875-45027	36121-48933	32927-34769	36407-37237
1.7.2014	33567-38443	36836-42291	32938-36161	36439-38728
1.10.2014	35543-36643	38936-40398	35364-37625	39547-40296
1.1.2015			37749	40429
1.4.2015			37119	39754

Note: The prices mentioned above are based on data received from selected companies.

\* = Delivered prices of gas varies from plant to plant at different locations depending upon the calorific value of gas at which it is received. Prices indicated here have been standardised at 10,000 K. Cal per SM<sup>3</sup>.

<b>4.01(g) ESTIMATED SPOT PRICES OF RLNG FOR FERTILISER COMPANIES (1-4-2010 to 1-4-2015)</b>			
Date (w.e.f.)	Delivered price (Rs./tonne)	Date (w.e.f.)	Delivered price (Rs./tonne)
1.4.2010	15712	1.4.2013	41922-43963
1.7.2010	16749	1.7.2013	42563-43562
1.10.2010	20732-22360	1.10.2013	39600-46039
1.7.2011	27117	1.1.2014	46380-54927
1.10.2011	32397	1.4.2014	45804-50038
1.1.2012	40976	1.7.2014	38847-48453
1.4.2012	36561	1.10.2014	43507-47480
1.7.2012	38907	1.1.2015	31412
1.10.2012	33302-36302	1.4.2015	25579
1.1.2013	32254-43781		

Note: Above prices are based on data received from selected companies.

<b>4.01 (h) RETAIL SELLING PRICES OF HIGH SPEED DIESEL OIL (HSDO) IN METROPOLITAN CITIES IN INDIA</b>				
(Rs./litre)				
Date (w.e.f.)	Mumbai	Kolkata	Delhi	Chennai
1.4.2010	39.88	37.99	38.10	38.05
1.4.2011	42.06	40.06	37.75	40.16
1.4.2012	45.27	43.73	40.91	43.95
1.4.2013	54.87	52.85	48.63	51.77
1.4.2014	63.86	60.11	55.49	59.18
1.4.2015	57.02	54.28	49.71	52.91
1.4.2016	55.04	50.73	48.35	49.12

Source : Economics & Statistics Division, Ministry of Petroleum & Natural Gas, New Delhi.

4.01(i) VAT/SALES TAX RATES ON NATURAL GAS, NAPHTHA AND F.OIL AS ON 1.4.2016			
State	Natural Gas	Naphtha	Furnace Oil
			(Percentage)
Andhra Pradesh	14.50	14.50	14.50 & 5.00 <sup>^</sup>
Arunachal Pradesh	20.00	12.50	12.50
Assam	14.50	14.50	5.00
Bihar	20.00	14.50	14.50
Chandigarh	5.00	5.00	12.50
Chhattisgarh	25.00	14.50	5.00
Delhi	Nil	20.00	20.00
Goa	12.50	20.00	12.50*
Gujarat	12.50% Additional tax 2.50% on TTO	16% Additional tax 2.50% on TTO	4% Additional tax 1% on TTO
Haryana	12.50% Additional tax on VAT 5%	12.50% Additional tax on VAT 5%	12.50% Additional tax on VAT 5%
Himachal Pradesh	4.00	5.00	13.75
J & K	5.00	13.50	13.50
Jharkhand	14.00	14.00	14.00
Karnataka	14.50	5.50	14.50
Kerala	Nil	5.00	14.50
Madhya Pradesh	14.00	14.00	14.00
Maharashtra	12.50	12.50	12.50
Manipur	13.50	13.50	13.50
Meghalaya	14.50	14.50	14.50
Mizoram	13.50	13.50	13.50
Nagaland	5% + 5% Surcharge on Tax (w.e.f.16.7.2015)	13.25	13.25
Odisha	14.50	14.50	14.50% FO & LUBES for international bunkering 5%
Puducherry	5.00	14.50	14.50
Punjab	5.50% Surcharge on Tax 10%	5.50% Surcharge on Tax 10%	5.50% Surcharge on Tax 10%
Rajasthan	5.00	5.50	5.50
Sikkim	4.50	13.50	13.50 (w.e.f. 1.1.2015)
Dadra & Nagar Haveli	12.50	20.00	20.00
Tamil Nadu	5.00	5.00	5.00
Telangana	14.50	14.50	14.50
Tripura	14.50	14.50	14.50
Uttar Pradesh	21% Additional tax on TTO	21.00	21.00
Uttarakhand	20.00	13.50	13.50
West Bengal	5.00	5.00	5.00

<sup>^</sup> = When used for industrial purpose.      \* = FO from bond sold to foreign going vessel-1%.

Source : Economics & Statistics Division, Ministry of Petroleum & Natural Gas, New Delhi.

<b>4.01 (j) CENTRAL EXCISE &amp; CUSTOMS TARIFF</b>			
<b>As on 01.04.2016</b>			
(Per cent)			
Item	Central excise duty	Customs duty	
	Basic cenvat duty	Basic customs duty	Additional customs duty (CVD)
LNG	Nil	5	Nil
Natural Gas (Gaseous State)	Nil	5	Nil
Naphtha			
- Non-Fertilisers	14	5	14
- Fertilisers	Nil	Nil	Nil
Furnace Oil			
- Non-Fertilisers	14	5	14
- Fertiliser (Feed)	Nil	Nil	Nil
LSHS/HPS & other res.			
- Non-Fertilisers	14	5	14
- Fertilisers	Nil	5	Nil
<p>Note: 1. Additional Duty of Customs @4% would be levied on all imported products except petrol, diesel, SKO(PDS), LPG (Dom), coal, coke and petroleum gases and fuel.</p> <p>2. In addition to above, Educational Cess @2% on aggregate duties will be charged w.e.f. 9.7.2004 and additional 1% will be charged w.e.f. 1.3.2007.</p> <p>3. Education cess has been removed on Excise duty w.e.f. 1st March 2015.</p> <p>Source: Petroleum Planning &amp; Analysis Cell, Ministry of Petroleum &amp; Natural Gas, New Delhi.</p>			



4.02 (a) PRICES OF INDIGENOUS ROCKPHOSPHATE					
1. Udaipur Rockphosphate (RSMM)					
(Rs/tonne)					
Date	31% P <sub>2</sub> O <sub>5</sub> (-1/2" chips)		Concentrate (34% P <sub>2</sub> O <sub>5</sub> )		
1-4-2004 to 17-9-2004	1975 <sup>2</sup>		2380 <sup>3</sup>		
18-9-2004 to 31-3-2005	2006 <sup>2</sup>		2420 <sup>3</sup>		
01-04-2005 to 31-3-2006	2114 <sup>2</sup> (For SSP)		2528 <sup>4</sup> (For SSP, DAP/DCP)		
01-04-2006 to 31-3-2007	2222 <sup>2</sup> (For SSP)	2348 <sup>5a</sup> (For DAP)	2654 <sup>4</sup> (For SSP, DAP/DCP)		
01-04-2007 to 31-3-2008	2321 <sup>2</sup> (For SSP)	2474 <sup>5</sup> (For DAP)	2780 (1.4.07 to 31.12.07) 3005 (1.1.08 to 31.3.08)		
01-04-2008 to 30-06-2008	2921 <sup>2</sup> (For SSP)	3264 <sup>5</sup>	4005 <sup>4</sup> (For DAP)		
01-07-2008 to 28-07-2008	3921 <sup>2</sup> (For SSP)	4264 <sup>5</sup>	6005 <sup>4</sup> (For DAP)		
29-07-2008 to 31-03-2009	4321 <sup>2</sup> (For SSP)	4664 <sup>5</sup>	8005 <sup>4</sup> (For DAP)		
1.4.2009	4753 <sup>2</sup> (For SSP & DAP)	5130 <sup>5</sup>	7255 <sup>4</sup> (For DAP)	1628 <sup>6</sup>	
	6600 <sup>3</sup> (For DAP)				
1.4.2010	4753 <sup>2</sup> (For SSP)	5130 <sup>5</sup>	7255 <sup>4</sup> (For DAP)		
1.7.2010	4828 <sup>2</sup>	5205 <sup>5</sup>	1628 <sup>6</sup>		
1.4.2011 to 30.6.2011	5350 <sup>2</sup> (For SSP)	7200 <sup>7</sup> (For DAP)	1630 <sup>6</sup>	5800 <sup>5</sup>	
1.7.2011 to 30.9.2011	5700 <sup>2</sup>	7500 <sup>7</sup> ("	1650 <sup>6</sup>	6150 <sup>5</sup>	
1.10.2011 to 24.5.2012	6950 <sup>2</sup>	} For SSP & Non-SSP	1700 <sup>6</sup>	6950 <sup>5</sup>	
25.5.2012 to 31.3.2013	8500 <sup>2</sup>		1700 <sup>6</sup>	8500 <sup>5</sup>	
1.4.2013 to 7.3.2014	8500 <sup>2</sup>		} 2300 <sup>6</sup>	8500 <sup>5</sup>	
8.3.2014 to 31.3.2014	7000 <sup>2</sup>			7000 <sup>5</sup>	
1.4.2014 to 2.2.2015	7000 <sup>2</sup>	} 6000 <sup>8</sup> (For DAP)	} 2400 <sup>6</sup>	7000 <sup>5</sup>	
3.2.2015 to 31.3.2015	6800 <sup>2</sup>			6500 <sup>5</sup>	
1.4.2015 to 31.3.2016		5400 <sup>8</sup> (For SSP)	} 2525 <sup>6</sup>		
2.4.2015 to 2.6.2015	6150 <sup>2</sup>	} For SSP & Non-SSP		}	6150 <sup>5</sup>
3.6.2015 to 31.3.2016	6500 <sup>2</sup>				6500 <sup>5</sup>
18.5.2015 to 31.3.2016	6350 <sup>2</sup>				
2.4.2015 to 31.3.2016					
<p>1 = 33% P<sub>2</sub>O<sub>5</sub>, 2 = 31.5% P<sub>2</sub>O<sub>5</sub> chips, 3 = 33-34% P<sub>2</sub>O<sub>5</sub>, 4 = 34% P<sub>2</sub>O<sub>5</sub> crushed rockphosphate.  5 = 31.5% P<sub>2</sub>O<sub>5</sub> Beneficiated rock phosphate concentrate. 6 = 18-20% P<sub>2</sub>O<sub>5</sub> (Rajphos). 7 = 32.5%.  8 = 30%.</p> <p>Note : (I) The prices of Rockphosphate Chips are exclusive of Royalty upto 2.4.99 and are inclusive of Royalty from 30-4-99. a = w.e.f. 22.12.06.  (II) The prices of Rock phosphate chips are excluding royalty @11% advalorem  (III) The prices of Rock phosphate Beneficiated concentrate are exclusive of Royalty 11% advalorem  (IV) The prices are ex-Jhamarkotra mines.  (V) The above prices are exclusive of sales tax.</p> <p>Source : Rajasthan State Mines &amp; Minerals, Udaipur. (Continued)</p>					

4.02 (a) PRICES OF INDIGENOUS ROCKPHOSPHATE (Continued)					
2. Jhabua (Meghnagar Rockphosphate)					
Effective from	Grade and Price (Rs./tonne)				
	1st 'A'			1st 'B'	
	FOR Meghnagar (+1/2" - 2 1/2")	ROM	ROM ex-mines	-1/2" size ROM	-1/2" size Ex-Mines (ROM)
14-06-1993	1521 <sup>1</sup>	--	600 <sup>3</sup>	660 <sup>3</sup>	670 <sup>3</sup>
24-05-1994	1000 <sup>2</sup>	--	500 <sup>4</sup>		
13-10-1994	1000 <sup>2</sup>	--	500 <sup>5</sup>		
17-10-1995	1000	--	600		
23-04-1998	1030 <sup>2</sup>	690 <sup>6</sup>	660 <sup>6</sup>	560 <sup>3</sup>	590 <sup>3</sup>
18-08-1998	1055 <sup>2</sup>	715 <sup>6</sup>	660 <sup>6</sup>	615 <sup>3</sup>	560 <sup>3</sup>
01-04-2000	1115 <sup>2</sup>	775 <sup>6</sup>	720 <sup>6</sup>	675 <sup>3</sup>	620 <sup>3</sup>
17-06-2000	1115 <sup>2</sup>	775 <sup>6</sup>	720 <sup>6</sup>	625 <sup>7</sup>	
07-12-2000		775 <sup>6</sup>	720 <sup>6</sup>	625 <sup>7</sup>	
30-01-2002		808 <sup>6</sup>	720 <sup>6</sup>	625 <sup>7</sup>	
01-10-2003		808 <sup>6</sup>	720 <sup>6</sup>	625 <sup>7</sup>	
14-01-2005		871 <sup>6</sup>	778 <sup>6</sup>	705 <sup>7</sup>	
16-04-2006		970 <sup>6</sup>	815 <sup>6</sup>	800 <sup>7</sup>	
01-04-2007 to 31-03-2008	935 <sup>2</sup>	860 <sup>2</sup>	785 <sup>2</sup>	772 <sup>7</sup> (FOR)	697 <sup>7</sup>
01.04.2008	363				
03.07.2008	481				
01.04.2009	551 <sup>8</sup> (cash) 572 <sup>8</sup> (credit)				
01.07.2010	615 <sup>8</sup> (cash) 634 <sup>8</sup> (credit)		637 <sup>8</sup> (cash) 656 <sup>8</sup> (credit)		
01.04.2011	921 <sup>9</sup>		821 <sup>8</sup>		
01.04.2012	1140 <sup>9</sup>		1017		
01.04.2013	1104 <sup>9</sup>		1017		
01.04.2014	1104 <sup>9</sup>				
1 = P <sub>2</sub> O <sub>5</sub> 27%, SiO <sub>2</sub> 18%					
2 = P <sub>2</sub> O <sub>5</sub> 26%, SiO <sub>2</sub> 18%					
3 = P <sub>2</sub> O <sub>5</sub> 24%					
4 = P <sub>2</sub> O <sub>5</sub> 24%, SiO <sub>2</sub> 18% ROM-FOR- Meghnagar					
5 = P <sub>2</sub> O <sub>5</sub> not below 24%, SiO <sub>2</sub> + 18% ROM – FOR Meghnagar					
6 = P <sub>2</sub> O <sub>5</sub> 25% to 26%					
7 = P <sub>2</sub> O <sub>5</sub> 23% to 24%					
8 = 18-20% P <sub>2</sub> O <sub>5</sub>					
9 = 18-20% P <sub>2</sub> O <sub>5</sub> (0-12 mm).					
Note: 1. The above prices are exclusive of royalty and VAT.					
2. Rate of royalty is 5% on low grade rock and rate of VAT is 4% on the total of basic price and royalty.					
<b>Moisture Rebate:</b> Rebate shall be allowed on account of moisture exceeding 3%. Moisture shall be determined at the time of despatch of the mineral.					

(Continued)

4.02(a) PRICES OF INDIGENOUS ROCKPHOSPHATE (Concluded)						
3. Sagar (Hirapur) Rockphosphate						
Effective from	Grade and Price (Rs./tonne)					
	1st 'A' <sup>1</sup>		1st 'B' <sup>2</sup>		Fertiliser grade <sup>2</sup> ex-Crusher site	
	(+1/2" - 2 1/2") Ex-Crusher	ROM Ex-Hirapur	ROM ex-mines	ROM ex-Crusher	Purchase at a time	
					Less than 2000 MT	More than 2000 MT
04-09-1993	1650	1600	1350	1400	650	625
01-05-1994	1400	1350	1100	1150	650	625
24-5-1994 <sup>3</sup>	1350		750			
2-1-1995 <sup>3</sup>	875	825	750		625	
23-12-97 <sup>3</sup>	725	675	600		475	
2-4-1998 <sup>3</sup>	725	675	600		475	
14-10-1998	725	675	600 <sup>3</sup>		525(Chips grade) 410 (Dust)	
08-12-2000	725	675	600 <sup>3</sup>		525 <sup>4</sup> (Chips grade) 4105 (Dust)	
01-02-2002	675	575	500 <sup>3</sup>		425 <sup>5</sup> (1st 'C' grade)	
14-01-2005	733	633	558 <sup>3</sup>		425 <sup>5</sup> (1st 'C' grade)	
16-04-2006	767	666	589 <sup>3</sup>		455 <sup>4</sup> (1st 'C' grade)	
01-04-2007 to	665.76 <sup>1</sup>		511.71 <sup>3</sup>		391.42 <sup>7</sup>	
31-03-2008			395.49 <sup>4</sup>			
01-04-2008	790 <sup>1</sup>		470 <sup>4</sup>		270 <sup>7</sup>	
04-07-2008	1047 <sup>1</sup>		623 <sup>4</sup>		358 <sup>7</sup>	
01-04-2009	1152 <sup>1</sup>		685 <sup>4</sup>		410 <sup>7</sup>	
19-01-2010					350 <sup>7</sup>	
01-04-2011	1741 <sup>1</sup>		1035 <sup>4</sup>		522 <sup>7</sup>	
01-04-2012			748 <sup>8</sup>			
01-04-2014			1266 <sup>4</sup> 748 <sup>7</sup>			

N.A. = Not available.

1 = P<sub>2</sub>O<sub>5</sub> 29%, SiO<sub>2</sub> 15-18%, Fe<sub>2</sub>O<sub>3</sub> below 4.5%    2 = P<sub>2</sub>O<sub>5</sub> +25%, SiO<sub>2</sub> +18%, Fe<sub>2</sub>O<sub>3</sub> below 4.5%  
3 = P<sub>2</sub>O<sub>5</sub> 27% to 29%                                    4 = P<sub>2</sub>O<sub>5</sub> 25% to 27%                                    5 = P<sub>2</sub>O<sub>5</sub> 25% to 29%                                    6 = P<sub>2</sub>O<sub>5</sub> 27% to 29%  
7 = P<sub>2</sub>O<sub>5</sub> 18% to 20%                                    8 = P<sub>2</sub>O<sub>5</sub> 12% to 29%.

Note : The above prices are inclusive of royalty but exclusive of sales tax and other taxes (if any).

4.02 (b) MAXIMUM SALE PRICE OF INDIGENOUS ROCK PHOSPHATE (MUSSOORIE AND PURULIA) (FOR DIRECT APPLICATION)									
(Rs/tonne)									
Effective from	18-20% P <sub>2</sub> O <sub>5</sub>	20-24% P <sub>2</sub> O <sub>5</sub>							
<b>1. Mussoorie phos (100 mesh in HDPE bags)</b>									
1.1.1988	675	750							
25.7.1991	945	1050							
14.8.1991	878	975							
25.8.92	1460	-							
1.10.93	1700	-							
20.12.94	1800	-							
4.1.96	1900	-							
1.9.96	2000	-							
1997-98	2125-2225	-							
1998-99 & 1999-2000	1875-2225	-							
2000-01	1260 (Ex-works)	-							
(Rs/tonne)									
Effective from	18-20% P <sub>2</sub> O <sub>5</sub>	23-25% P <sub>2</sub> O <sub>5</sub>	30% P <sub>2</sub> O <sub>5</sub>						
<b>2. (a) Purulia rockphosphate</b>									
1.1.1988	675	862	1,125						
25.7.1991	945	1,207	1,575						
14.8.1991	878	1,121	1,463						
23.9.93	675	862	1,500@						
Not The above prices are f. o. r. destination and exclusive of sales tax and local taxes. @ = w.e.f. 23.4.93									
<b>2. (b) Purulia rockphosphate</b>									
(Rs./tonne)									
Destination	Status	2001-02	2002-03	2003-04	2004-05	2005-06 to 2007- 08	2008-09	2009-10 to 2011- 12	2012-13 and 2014 15
Rangadih/Tulin	Ex-Factory								2,300
Siliguri	Ex-Godo	2,100						(for 2012-13)	
West Bengal		2,100	2,100						and
Assam & Adjoining Stores by rail	F.O.R. Ex-Warehouse (Assam)	2,500	2,500	2,500	1,500	3,300	1792*	2000\$	4,300
South India (Any station)	F.O.R.						1850**	(for 2014-15)	
* = Ex-factory price upto August 2008. ** = W.e.f. September 2008. \$ = W.e.f. May 2009.									

4.03 RAILWAY FREIGHT (TRAIN LOAD) FOR NAPHTHA, F.OIL AND LSHS								
2001-02 to 2015-16								
Fertiliser Feedstock	Railway tariff classification	Effective from	Railway freight (Rs./tonne) for distance (km)					
			100	200	500	1000	1500	2000
Naphtha Solvent	250	1.4.2001	178.70	310.40	720.20	1441.70	2086.00	2587.10
	240	1.4.2002	200.20	332.20	728.20	1388.20	2048.20	2540.20
	220	1.4.2003	183.50	304.50	667.50	1272.50	1877.50	2328.50
	220	1.4.2004	183.50	304.50	667.50	1272.50	1877.50	2328.50
	240	1.4.2005	200.20	332.20	728.20	1388.20	2048.20	2540.20
	220	1.7.2006	183.50	310.40	678.00	1302.20	1922.40	2412.10
	210	1.4.2007	175.10	296.30	647.20	1243.00	1835.00	2302.40
	200	1.4.2008	166.80	282.20	616.40	1183.80	1747.60	2192.80
	200	27.12.2010	166.80	286.60	640.80	1231.20	1817.60	2280.60
	200	6.3.2012	200.20	344.00	769.00	1477.40	2181.20	2736.80
	200	1.4.2013	211.80	364.00	813.60	1563.20	2307.60	2895.60
	200	10.10.2013	215.40	370.00	827.20	1589.40	2346.00	2944.00
	200	25.6.2014	257.80	394.00	880.80	1692.20	2497.80	3134.40
	180	1.4.2015	255.20	390.10	871.90	1675.30	2472.80	3103.00
Furnace Oil	270A	1.4.2001	188.40	328.80	765.70	1534.80	2221.90	2757.00
	260	1.4.2002	216.80	359.80	788.80	1503.80	2218.80	2751.80
	240	1.4.2003	200.20	332.20	728.20	1388.20	2048.20	2540.20
	240	1.4.2004	200.20	332.20	728.20	1388.20	2048.20	2540.20
	240	1.4.2005	200.20	332.20	728.20	1388.20	2048.20	2540.20
	220	1.7.2006	183.50	310.40	678.00	1302.20	1922.40	2412.10
	210	1.4.2007	175.10	296.30	647.20	1243.00	1835.00	2302.40
	200	1.4.2008	166.80	282.20	616.40	1183.80	1747.60	2192.80
	200	27.12.2010	166.80	286.60	640.80	1231.20	1817.60	2280.60
	200	6.3.2012	200.20	344.00	769.00	1477.40	2181.20	2736.80
	200	1.4.2013	211.80	364.00	813.60	1563.20	2307.60	2895.60
	200	10.10.2013	215.40	370.00	827.20	1589.40	2346.00	2944.00
	200	25.6.2014	257.80	394.00	880.80	1692.20	2497.80	3134.40
	180	1.4.2015	255.20	390.10	871.90	1675.30	2472.80	3103.00
Source: Ministry of Railways, New Delhi.								
4.04 RAILWAY FREIGHT (TRAIN LOAD) FOR AMMONIA AND PHOSPHORIC ACID								
2005-06 to 2015-16								
Intermediate	Railway tariff classification	Effective from	Railway freight (Rs./tonne) for distance (km)					
			100	200	500	1000	1500	2000
Ammonia and Phosphoric acid	240	1.4.2005	200.20	332.20	728.20	1388.20	2048.20	2540.20
	220	1.7.2006	183.50	310.40	678.00	1302.20	1922.40	2412.40
	210	1.4.2007	175.10	296.30	647.20	1243.00	1835.00	2302.40
	200	1.4.2008	166.80	282.20	616.40	1183.80	1747.60	2192.80
	200	27.12.2010	166.80	286.60	640.80	1231.20	1817.60	2280.60
	200	6.3.2012	200.20	344.00	769.00	1477.40	2181.20	2736.80
	200	1.4.2013	211.80	364.00	813.60	1563.20	2307.60	2895.60
	200	10.10.2013	215.40	370.00	827.20	1589.40	2346.00	2944.00
	200	25.6.2014	257.80	394.00	880.80	1692.20	2497.80	3134.40
	200	1.4.2015	283.60	433.40	968.80	1861.40	2747.60	3447.80
Source: Ministry of Railways, New Delhi.								

<b>CONVERSION FACTORS</b>
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<b>1. RAW MATERIALS AND INTERMEDIATES REQUIREMENTS IN THE MANUFACTURE OF FERTILISER INTERMEDIATES</b>		
(tonne per tonne)		
Intermediate	Raw materials/Intermediate	
1. Ammonia (NH <sub>3</sub> )	Natural gas	860 Nm <sup>3</sup> /te or
	Naphtha	0.9-1.02 or
	* Fuel oil	0.91 or
	* Coal	3.62
2. Sulphuric acid (H <sub>2</sub> SO <sub>4</sub> )	Sulphur	0.345 or
	Pyrites	0.90
3. Phosphoric acid (H <sub>3</sub> PO <sub>4</sub> ) as P <sub>2</sub> O <sub>5</sub>	Rock (73-75% BPL)	3.3 and
	H <sub>2</sub> SO <sub>4</sub>	2.85
4. Nitric acid (HNO <sub>3</sub> )	NH <sub>3</sub>	0.292
* For feedstock only.		
<b>2. PETROLEUM PRODUCT CONVERSION FACTOR</b>		
Product	Litres per metric tonnes	Tonnes per K.L.
Naphtha	1,467	0.6817
L.P.G.	1,785	0.5602
Furnace oil	1,071	0.9337
L.S.H.S.	1,017	0.9833
<b>Conversion Factor</b>		
Crude Oil	1 Metric tonne = 7.33 Barrels = 1.165 Cubic metres (kilolitres) 1 Barrel = 0.136 Tonnes = 0.159 Cubic metres (kilolitres) 1 Cubic metre = 0.858 Tonnes = 6.289 Barrels 1 Million tonne = 1.111 Billion cubic metres natural gas = 39.2 Billion cubic feet natural gas = 0.805 Million tonnes LNG = 40.4 Trillion british thermal units	
Natural Gas	1 Billion cubic metre = 35.3 Billion cubic feet natural gas = 0.90 Million tonnes crude oil = 0.73 Million tonnes LNG = 36 Trillion british thermal units = 6.29 Million barrels of oil equiv.	
LNG	1 Million tonne = 1.38 Billion cubic metres natural gas = 48.7 Billion cubic feet natural gas = 1.23 Million tonnes crude oil = 52 Trillion british thermal units = 8.68 Million barrels of oil equiv.	
Note:	1 Barrel = 42 Gallons 1 U.S. Gallons = 3.785 Litres	
	}	1 metric tonne of gasolene = 8.6 barrels = 1350 litres 1 metric tonne of fuel oil = 6.7 barrels 1 metric tonne of crude oil = 7.3 barrels

3. AVERAGE INTERNATIONAL CALORIFIC VALUE OF DIFFERENT FUELS											
Product	Unit		Calorific value								
Naphtha	K Cal/Kg. or M Cals/tonne		11330								
Fuel Oil	"		10219								
Natural Gas - Production (average) - India	K Cal/Cu. Mtr.		8000-9480								
4. RAW MATERIALS AND INTERMEDIATE REQUIREMENTS IN THE MANUFACTURE OF FERTILISER PRODUCTS											
(tonne per tonne)											
Raw material/intermediate fertiliser product	NH <sub>3</sub>	CO <sub>2</sub>	Phos-phate rock	H <sub>2</sub> SO <sub>4</sub>	H <sub>3</sub> PO <sub>4</sub> (as P <sub>2</sub> O <sub>5</sub> )	HNO <sub>3</sub>	KCl as 60% (K <sub>2</sub> O)	Gypsum	Remarks		
1 (a) Ammonium sulphate	0.27	—	—	0.78	—	—	—	—			
(b) A/s from gypsum route	0.27	0.38	—	—	—	—	—	—			
2 CAN (25% N)	0.16	—	—	—	—	0.59	—	—			
3 Urea	0.60	0.77	—	—	—	—	—	—			
4 SSP	—	—	0.60	0.36	—	—	—	—			
5 TSP	—	—	0.46	—	0.36	—	—	—			
6 UAP (28-28-0)*	0.37	—	—	—	0.29	—	—	—	* Total ammonia including the quantity required for producing urea which is incorporated in end product.		
7 DAP (18-46-0)	0.24	—	—	—	0.48	—	—	—	# Small quantities of urea are also added to make these formulations.		
8 NPK (14-35-14)#	0.18	—	—	—	0.38	—	0.25	—			
9 NPK (17-17-17)#	0.22	—	—	—	0.18	—	0.30	—			
10 NPK (19-19-19)	0.24	—	—	—	0.20	—	0.33	—			
11 NPK (12-32-16) Nitrophosphate	0.15	—	—	—	0.34	—	0.28	—			
12 (15-15-15)	0.10	—	—	—	0.16	0.36	0.26	—			
<p>Conversion factors:—</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border-right: 1px solid black; padding-right: 10px;">           1 te N = 1.215 te NH<sub>3</sub>            1 te NH<sub>3</sub> = 0.823 te N            % BPL = 2.18 x % P<sub>2</sub>O<sub>5</sub>            % P<sub>2</sub>O<sub>5</sub> = 0.46 x % BPL         </td> <td style="width: 50%; padding-left: 10px;">           Requirement for 1 tonne of P<sub>2</sub>O<sub>5</sub>:            3.3 tonnes (approx.) of Rock            and 1.0 tonne (approx.) of sulphur         </td> </tr> </table> <div style="border: 1px solid black; padding: 5px; margin-top: 10px; width: fit-content; margin-left: auto; margin-right: auto;">           1 million BTU = 29.5 Nm<sup>3</sup>            = 960 ft<sup>3</sup> </div>										1 te N = 1.215 te NH <sub>3</sub> 1 te NH <sub>3</sub> = 0.823 te N % BPL = 2.18 x % P <sub>2</sub> O <sub>5</sub> % P <sub>2</sub> O <sub>5</sub> = 0.46 x % BPL	Requirement for 1 tonne of P <sub>2</sub> O <sub>5</sub> : 3.3 tonnes (approx.) of Rock and 1.0 tonne (approx.) of sulphur
1 te N = 1.215 te NH <sub>3</sub> 1 te NH <sub>3</sub> = 0.823 te N % BPL = 2.18 x % P <sub>2</sub> O <sub>5</sub> % P <sub>2</sub> O <sub>5</sub> = 0.46 x % BPL	Requirement for 1 tonne of P <sub>2</sub> O <sub>5</sub> : 3.3 tonnes (approx.) of Rock and 1.0 tonne (approx.) of sulphur										

**PART II**

**INDIAN AGRICULTURAL  
AND ALLIED STATISTICS**



## 1.00 LAND USE PATTERN

1.01 ALL INDIA CULTIVATED AND IRRIGATED AREA - GROSS AND NET - WITH CROPPING INTENSITY 1951-52 to 2012-13										
Sl. No.	Year	Area sown			Area irrigated			Gross area under HYV* (actual)	Share of gross irrigated to gross sown area	Cropping Intensity (=gross / net sown area x 100)
		Gross	Net	More than once	Gross	Net	More than once			
(1)	(2)	(3)	(4)	5=(3-4)	(6)	(7)	8=(6-7)	(9)	10=(6/3)	11=(3/4)
<----- ('000 hectares) ----->							<--(per cent) -->			
1 .	1951-52	1,33,234	1,19,400	13,834	23,180	21,049	2,131	-	17.4	111.6
2 .	1952-53	1,37,675	1,23,442	14,233	23,305	21,122	2,183	-	16.9	111.5
3 .	1953-54	1,42,480	1,26,806	15,674	24,363	21,869	2,494	-	17.1	112.4
4 .	1954-55	1,44,087	1,27,845	16,242	24,948	22,088	2,860	-	17.3	112.7
5 .	1955-56	1,47,311	1,29,156	18,155	25,642	22,758	2,884	-	17.4	114.1
6 .	1956-57	1,49,492	1,30,848	18,644	25,707	22,533	3,174	-	17.2	114.2
7 .	1957-58	1,45,832	1,29,080	16,752	26,628	23,156	3,472	-	18.3	113.0
8 .	1958-59	1,51,629	1,31,828	19,801	26,948	23,401	3,547	-	17.8	115.0
9 .	1959-60	1,52,824	1,32,939	19,885	27,454	24,037	3,417	-	18.0	115.0
10 .	1960-61	1,52,772	1,33,199	19,573	27,980	24,661	3,319	-	18.3	114.7
11 .	1961-62	1,56,209	1,35,399	20,810	28,460	24,884	3,576	-	18.2	115.4
12 .	1962-63	1,56,760	1,36,341	20,419	29,453	25,665	3,788	-	18.8	115.0
13 .	1963-64	1,56,963	1,36,483	20,480	29,707	25,888	3,819	-	18.9	115.0
14 .	1964-65	1,59,229	1,38,120	21,109	30,705	26,600	4,105	-	19.3	115.3
15 .	1965-66	1,55,276	1,36,198	19,078	30,901	26,344	4,557	-	19.9	114.0
16 .	1966-67	1,57,355	1,37,232	20,123	32,683	26,907	5,776	1,886	20.8	114.7
17 .	1967-68	1,63,736	1,39,876	23,860	33,207	27,193	6,014	6,036	20.3	117.1
18 .	1968-69	1,59,529	1,37,313	22,216	35,483	29,009	6,474	9,297	22.2	116.2
19 .	1969-70	1,62,265	1,38,695	23,570	36,974	30,197	6,777	11,413	22.8	117.0
20 .	1970-71	1,65,791	1,40,863	24,928	38,195	31,103	7,092	15,383	23.0	117.7
21 .	1971-72	1,65,186	1,39,721	25,465	38,430	31,546	6,884	18,173	23.3	118.2
22 .	1972-73	1,62,150	1,37,144	25,006	39,055	31,834	7,221	22,321	24.1	118.2
23 .	1973-74	1,69,872	1,42,416	27,456	40,283	32,546	7,737	26,038	23.7	119.3
24 .	1974-75	1,64,191	1,37,791	26,400	41,741	33,709	8,032	27,337	25.4	119.2
25 .	1975-76	1,71,296	1,41,652	29,644	43,363	34,593	8,770	31,888	25.3	120.9
26 .	1976-77	1,67,334	1,39,476	27,858	43,552	35,149	8,403	33,560	26.0	120.0
27 .	1977-78	1,72,232	1,41,953	30,279	46,080	36,546	9,534	38,930	26.8	121.3
28 .	1978-79	1,74,802	1,42,981	31,821	48,307	38,059	10,248	40,130	27.6	122.3
29 .	1979-80	1,69,589	1,38,903	30,686	49,214	38,524	10,690	38,383	29.0	122.1
30 .	1980-81	1,72,630	1,40,288	32,342	49,775	38,720	11,055	43,080	28.8	123.1
31 .	1981-82	1,76,750	1,42,120	34,630	51,412	40,503	10,909	46,493	29.1	124.4
32 .	1982-83	1,72,748	1,40,813	31,935	51,830	40,691	11,139	47,493	30.0	122.7

(Continued)

1.01 ALL- INDIA CULTIVATED AND IRRIGATED AREA - GROSS AND NET - WITH CROPPING INTENSITY 1951-52 to 2012-13 (Concluded)										
Sl. No.	Year	Area sown			Area irrigated			Gross area under HYV* (actual)	Share of gross irrigated to gross sown area	Cropping Intensity (=gross / net sown area x 100)
		Gross	Net	More than once	Gross	Net	More than once			
(1)	(2)	(3)	(4)	5=(3-4)	(6)	(7)	8=(6-7)	(9)	10=(6/3)	11=(3/4)
<----- ('000 hectares) -----> <--(per cent) -->										
33 .	1983-84	1,79,560	1,43,211	36,349	53,824	41,949	11,875	53,740	30.0	125.4
34 .	1984-85	1,76,330	1,40,901	35,429	54,529	42,145	12,384	54,140	30.9	125.1
35 .	1985-86	1,78,464	1,40,901	37,563	54,283	41,865	12,418	55,420	30.4	126.7
36 .	1986-87	1,76,405	1,39,578	36,827	55,759	42,569	13,190	56,174	31.6	126.4
37 .	1987-88	1,70,738	1,34,085	36,653	56,036	42,892	13,144	54,103	32.8	127.3
38 .	1988-89	1,82,277	1,41,891	40,386	61,125	46,148	14,977	60,105	33.5	128.5
39 .	1989-90	1,82,269	1,42,339	39,930	61,852	46,702	15,150	61,166	33.9	128.1
40 .	1990-91	1,85,742	1,42,999	42,743	63,204	48,023	15,181	64,984	34.0	129.9
41 .	1991-92	1,82,242	1,41,632	40,610	65,680	49,867	15,813	64,724	36.0	128.7
42 .	1992-93	1,85,618	1,42,645	42,973	66,761	50,296	16,465	65,404	36.0	130.1
43 .	1993-94	1,86,595	1,42,419	44,176	68,254	51,339	16,915	66,992	36.6	131.0
44 .	1994-95	1,88,053	1,42,960	45,093	70,646	52,999	17,647	70,931	37.6	131.5
45 .	1995-96	1,87,471	1,42,197	45,274	71,352	53,402	17,950	72,310	38.1	131.8
46 .	1996-97	1,89,502	1,42,931	46,571	76,025	55,112	20,913	76,428	40.1	132.6
47 .	1997-98	1,89,988	1,41,945	48,043	75,670	55,210	20,460	76,000 T	39.8	133.8
48 .	1998-99	1,91,649	1,42,753	48,896	78,670	57,436	21,234	78,350 T	41.0	134.3
49 .	1999-2000	1,88,396	1,41,063	47,333	79,216	57,531	21,685	-	42.0	133.6
50 .	2000-01	1,85,340	1,41,336	44,005	76,187	55,205	20,982	-	41.1	131.1
51 .	2001-02	1,88,014	1,40,734	47,280	78,371	56,936	21,435	-	41.7	133.6
52 .	2002-03	1,73,889	1,31,943	41,947	73,055	53,897	19,159	-	42.0	131.8
53 .	2003-04	1,89,661	1,40,708	48,953	78,042	57,057	20,985	-	41.1	134.8
54 .	2004-05	1,91,103	1,40,642	50,461	81,078	59,229	21,849	-	42.4	135.9
55 .	2005-06	1,92,737	1,41,162	51,575	84,280	60,837	23,442	-	43.7	136.5
56 .	2006-07	1,92,381	1,39,823	52,558	86,753	62,744	24,009	-	45.1	137.6
57 .	2007-08	1,95,223	1,41,016	54,207	88,058	63,189	24,869	-	45.1	138.4
58 .	2008-09	1,95,328	1,41,899	53,429	88,896	63,638	25,258	-	45.5	137.7
59 .	2009-10	1,89,002	1,39,173	49,829	85,085	61,936	23,149	-	45.0	135.8
60 .	2010-11 P	1,97,563	1,41,563	56,000	88,887	63,657	25,231	-	45.0	139.0
61 .	2011-12 P	1,95,632	1,40,974	54,658	91,730	65,693	26,037	-	46.9	138.8
62 .	2012-13 P	1,94,399	1,39,932	54,467	92,575	66,103	26,472	-	47.6	138.9

P = Provisional. T = Target. \* = Total area covered under HYVs of wheat, maize, bajra, jowar and paddy.  
Note: 1. HYV programme was launched in 1966-67. 2. "For area under foodgrains", see Table 1.06  
Source: Directorate of Economics & Statistics, Ministry of Agriculture & Farmers Welfare, Gol, New Delhi.

1.02 LAND UTILISATION PATTERN - 2012-13 (Provisional)							
('000 hectares)							
Zone/State	Geographical area	Reporting area for land utilisation statistics	Classification of reporting area excluding fallow land				
			Forests	Not available for cultivation			Permanent pastures & other grazing lands
				Area put to non-agricultural uses	Barren & unculturable land	Total (5)+(6)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
<b>East</b>	<b>68,053</b>	<b>64,842</b>	<b>23,205</b>	<b>7,249</b>	<b>3,710</b>	<b>10,956</b>	<b>855</b>
Arunachal Pradesh	8,374	5,661	5,154 *	26	38	64	18
Assam	7,844	7,850	1,853	1,212	1,408	2,620	160
Bihar	9,416	9,360	622	1,708	432	2,140	16
Jharkhand	7,972	7,970	2,239	710	572	1,281	114
Odisha \$	15,571	15,502	5,814 *	1,305	1,104	2,409	536
West Bengal	8,875	8,684	1,174	1,822	13	1,834	3
Manipur *	2,233	2,086	1,742 *	26	1	27	1
Meghalaya	2,243	2,241	946	108	132	239	-
Nagaland	1,658	1,652	863	93	2	95	-
Sikkim *	710	693	584 *	11	-	11	-
Tripura *	1,049	1,049	629	141	-	141	2
Mizoram	2,108	2,094	1,585	87	8	95	5
<b>North</b>	<b>66,848</b>	<b>47,758</b>	<b>8,595</b>	<b>4,786</b>	<b>1,960</b>	<b>6,745</b>	<b>1,910</b>
Haryana	4,421	4,371	40	542	101	643	25
Himachal Pradesh *	5,567	4,576	1,126	353	779	1,131	1,508
Jammu & Kashmir	22,224	3,781 *	2,023 *	267	306	573	114
Punjab	5,036	5,033	262	429	51	480	5
Uttar Pradesh	24,093	24,170	1,658	2,893	479	3,371	66
Uttarakhand	5,348	5,673	3,485	221	228	449	192
Chandigarh *	11	7	-	5	-	5	-
Delhi	148	147	1	76	16	93	-
<b>South</b>	<b>64,454</b>	<b>64,283</b>	<b>13,224</b>	<b>7,028</b>	<b>3,253</b>	<b>10,281</b>	<b>1,537</b>
Andhra Pradesh#	27,507	27,505	6,227	2,873	1,959	4,833	515
Karnataka	19,179	19,050	3,073	1,436	787	2,222	908
Kerala	3,886	3,886	1,082	508	16	525	-
Tamil Nadu	13,006	13,033	2,125	2,184	489	2,672	110
Puducherry	48	49	-	19	-	19	-
A & N Islands *	825	757	717	7	2	9	4
Lakshadweep *	3	3	-	1	-	1	-
<b>West</b>	<b>1,29,371</b>	<b>1,29,053</b>	<b>24,981</b>	<b>7,392</b>	<b>8,362</b>	<b>15,753</b>	<b>5,939</b>
Chhattishgarh	13,519	13,790	6,352	734	290	1,024	861
Gujarat *	19,602	19,069	1,834	1,171	2,552	3,723	851
Madhya Pradesh	30,825	30,756	8,693	2,126	1,387	3,513	1,286
Maharashtra *	30,771	30,758	5,207	1,456	1,722	3,177	1,245
Rajasthan	34,224	34,267	2,750	1,864	2,411	4,275	1,694
Goa	370	361	125	37	-	37	1
Daman & Diu	11	3	-	-	-	-	-
D & N Haveli	49	49	20	4	-	4	1
<b>ALL INDIA 2012-13</b>	<b>3,28,726</b>	<b>3,05,936</b>	<b>70,007</b>	<b>26,454</b>	<b>17,284</b>	<b>43,738</b>	<b>10,240</b>
2011-12	3,28,726	3,05,831	70,035	26,309	17,217	43,526	10,311

# = Includes Telangana.

(Continued)

1.02 LAND UTILISATION PATTERN - 2012-13 (Provisional) (Continued)									
Zone/State	Classification of reporting area excluding fallow land						Net area sown	Area sown more than once	Total cropped area (15)+(16)
	Other uncultivated land			Fallow land					
	Land under misc. tree crops & groves not incld.in net area sown	Culturable waste land	Total (8)+(9)+(10)	Fallow lands other than current fallows	Current fallows	Total (12)+(13)			
	(9)	(10)	(11)	(12)	(13)	(14)			
<b>East</b>	<b>1,155</b>	<b>1,587</b>	<b>3,597</b>	<b>2,409</b>	<b>3,821</b>	<b>6,230</b>	<b>20,849</b>	<b>9,577</b>	<b>30,430</b>
Arunachal Pradesh	36	64	119	69	38	107	216	69	285
Assam	196	78	434	52	81	132	2,811	1,386	4,197
Bihar	246	45	307	122	767	888	5,402	2,375	7,778
Jharkhand	102	349	565	1,038	1,440	2,478	1,406	251	1,657
Odisha \$	198	551	1,285	659	949	1,608	4,386	682	5,069
West Bengal	50	24	76	15	379	395	5,205	4,473	9,678 *
Manipur *	6	1	8	-	-	-	309	-	309
Meghalaya	164	391	555	155	60	215	285	54	340
Nagaland	94	70	164	99	50	150	380	108	489
Sikkim *	8	3	11	4	5	9	77	66	144
Tripura *	14	4	20	2	2	4	256	113	368
Mizoram	41	7	53	194	50	244	116	-	116
<b>North</b>	<b>884</b>	<b>1,094</b>	<b>3,889</b>	<b>689</b>	<b>1,595</b>	<b>2,285</b>	<b>26,244</b>	<b>17,106</b>	<b>43,351</b>
Haryana	4	26	55	18	103	121	3,513	2,863	6,376
Himachal Pradesh *	65	124	1,697	21	57	79	543	403	947
Jammu & Kashmir	65	134	314	13	113	126	745	417	1,162
Punjab	9	62	76	6	58	64	4,150	3,720	7,870
Uttar Pradesh	350	423	839	537	1,201	1,739	16,564	9,257	25,821
Uttarakhand	390	315	897	86	51	136	706	418	1,124
Chandigarh *	-	-	-	-	-	-	1	1	2
Delhi	1	10	11	8	12	20	22	27	49
<b>South</b>	<b>819</b>	<b>1,433</b>	<b>3,788</b>	<b>3,902</b>	<b>5,552</b>	<b>9,456</b>	<b>27,535</b>	<b>5,648</b>	<b>33,184</b>
Andhra Pradesh#	278	587	1,380	1,610	2,337	3,947	11,117	2,533	13,650
Karnataka	283	413	1,604	535	1,822	2,358	9,793	1,955	11,748
Kerala	3	97	100	56	77	133	2,048	544	2,592
Tamil Nadu	250	328	687	1,696	1,308	3,004	4,544	596	5,140
Puduchery	1	5	6	2	5	8	16	10	26
A & N Islands *	4	3	11	3	3	6	15	10	25
Lakshadweep *	-	-	-	-	-	-	2	-	3
<b>West</b>	<b>300</b>	<b>8,464</b>	<b>14,703</b>	<b>4,000</b>	<b>4,312</b>	<b>8,311</b>	<b>65,303</b>	<b>22,136</b>	<b>87,440</b>
Chhattisgarh	1	358	1,220	265	257	522	4,671	1,019	5,691
Gujarat *	4	1,960	2,815	16	379	395	10,302	2,298	12,600
Madhya Pradesh	20	1,025	2,331	493	375	867	15,352	7,778	23,130
Maharashtra *	251	916	2,412	1,200	1,418	2,618	17,344	4,530	21,874
Rajasthan	23	4,152	5,870	2,024	1,869	3,894	17,479	6,475	23,954
Goa	1	53	54	-	12	12	132	31	163
Daman & Diu	-	-	-	-	-	-	3	1	4
D & N Haveli	-	-	1	2	2	3	20	4	24
<b>ALL INDIA 2012-13</b>	<b>3,157</b>	<b>12,578</b>	<b>25,976</b>	<b>11,001</b>	<b>15,282</b>	<b>26,283</b>	<b>1,39,932</b>	<b>54,467</b>	<b>1,94,399</b>
2011-12	3,167	12,639	26,117	10,664	14,515	25,179	1,40,974	54,658	1,95,632

\$ = from November 2011 (Formerly Orissa). Note: All-India totals may not exactly tally due to rounding off.

**1.02 LAND UTILISATION PATTERN — 2012-13 (Provisional)  
(Continued)**

**I. EXPLANATORY NOTES**

- \* **Classification of land:** The figures related to area under forest are taken from latest "State of Forest Report, 2009" of the Forest Survey of India, Dehradun. The other categories of land use, net irrigated area, gross irrigated area, net area sown and area under crops as the case may be, are taken from latest Agriculture Census or are estimated based on latest available year data received from the States/ UTs, respectively.
- \*\* **Irrigated area:** The figures related to irrigated area are either estimated based on the data for the latest available year received from the States/UTs or are estimated / taken from Agriculture Census.
- \*\*\* **Area under crops:** The figures related to Total Cropped Area are either estimated based on the latest available data received from State/UTs, or are based on advance/ forecast estimates received from the States/UTs.

**Note**

- (1) Geographical area is based on the data supplied by the office of Director, Geographical Map Publication, Survey of India, Dehradun and includes the area under illegal occupation by China and Pakistan.
- (2) '-' denotes not available or no reporting of data from the States/UTs.
- (3) The figures classified under different columns for different categories of land, viz., land put to different uses according to nine-fold classification, area under irrigation and area under crops do not always add up in sub-totals and as a whole to the area totals at state and all India levels due to rounding off of the figures.
- (4) (P): Provisional.

**II. CONCEPTS & DEFINITIONS****Geographical Area:**

The latest figures of geographical area of the State/Union Territories are as provided by the Office of the Surveyor General of India.

**Reporting Area for Land Utilisation Statistics:**

The Reporting area stands for the area for which data on land use classification is available. In areas where land utilization figures are based on land records, reporting area is the area according to village papers, i.e. the papers prepared by the village accountants. In some cases, the village papers may not be maintained in respect of the entire area of the State. For example, village papers are not prepared for the forest areas but the magnitude of such area is known. Also there are tracts in many States for which no village paper exists. In such cases, estimates of classification of area from agricultural census, 2000-01 and 2005-06 are adopted to complete the coverage.

**Forest Area:**

This includes all land classified either as forest under any legal enactment, or administered as forest, whether State-owned or private, and whether wooded or maintained as potential forest land. The area of crops raised in the forest and grazing lands or areas opened for grazing within the forests remain included under the "forest areas".

**Area under Non-agricultural Uses:**

This includes all land occupied by buildings, roads and railways or under water, e.g. rivers and canals, and other land put to uses other than agriculture.

(Continued)

**1.02 LAND UTILISATION PATTERN — 2012-13 (Provisional)  
(Concluded)**

**II. CONCEPTS & DEFINITIONS  
(CONCLUDED)**

**Barren and Un-culturable Land:**

This includes all land covered by mountains, deserts, etc. Land, which cannot be brought under cultivation except at an exorbitant cost is classified as unculturable whether such land is in isolated blocks or within cultivated holdings.

**Permanent Pasture and other Grazing Land:**

This includes all grazing land whether it is permanent pasture / meadows or not. Village common grazing land is included under this category.

**Land under Miscellaneous Tree Crops, etc.:**

This includes all cultivable land, which is not included in "Net area sown" but is put to some agricultural use. Land under casuring trees, thatching grasses, bamboo bushes and other groves for fuel, etc. which are not included under 'Orchards' are classified under this category.

**Culturable Waste Land:**

This includes land available for cultivation, whether taken up or not taken up for cultivation once, but not cultivated during the last five years or more in succession including the current year for some reason or the other. Such land may be either fallow or covered with shrubs and jungles, which are not put to any use. They may be accessible or inaccessible and may lie in isolated blocks or within cultivated holdings.

**Fallow Lands other than Current Fallows:**

This includes all land, which was taken up for cultivation but is temporarily out of cultivation for a period of not less than one year and not more than five years.

**Current Fallows:**

This represents cropped area, which is kept fallow during the current year.

**Net Area Sown:**

This represents the total area sown with crops and orchards. Area sown more than once in the same year is counted only once.

**Total Cropped Area:**

This represents the total area sown once and/or more than once in a particular year, i.e. the area is counted as many times as there are sowings in a year.

**Area Sown more than once:**

This represents the areas on which crops are cultivated more than once during the agricultural year. This is obtained by deducting Net Area Sown from Total Cropped Area.

**Irrigated Area:**

The area is assumed to be irrigated for cultivation through such sources as canals (Govt. & Private), tanks, tube-wells, other wells, and other sources. It is divided into two categories:

(i) Net Irrigated Area: It is the area irrigated through any source once in a year for a particular crop.

(ii) Total Net Un-irrigated Area: It is the area arrived at by deducting the net irrigated area from net sown area.

**Total / Gross Irrigated Area:**

It is the total area under crops, irrigated once and / or more than once in a year. It is counted as many times as the number of times the areas are cropped and irrigated in a year.

**Total /Gross Un-irrigated Area:**

It is the area arrived at by deducting the gross irrigated area from the gross sown area.

**Cropping Intensity:**

It is the ratio of Total Cropped Area to Net Area Sown.

Source: Directorate of Economics and Statistics, Ministry of Agriculture & Farmers Welfare, Gol.

1.03 AREA UNDER BROAD SOIL GROUPS IN INDIA			
Sl. No.	Major soil group	Area (Lakh ha.)	Percentage to total geographical area
1.	Red Loamy	230	7.0
2.	Red Sandy	490	14.9
3.	Laterite	117	3.6
4.	Red & Yellow	335	10.2
5.	Shallow Black	65	2.0
6.	Medium Black	417	12.7
7.	Deep Black	162	4.9
8.	Mixed Red & Black	148	4.5
9.	Coastal Alluvium	62	1.9
10.	Coastal Sand	11	0.3
11.	Deltaic Alluvium	71	2.2
12.	Alluvial-Recent	390	11.9
13.	Calcareous Alluvium	22	0.7
14.	Calcareous Sierozem	49	1.5
15.	Old Alluvium	28	0.9
16.	Grey Brown	89	2.7
17.	Desert Soils-Regosolic	134	4.1
18.	Desert Soils-Lithosolic	85	2.6
19.	Tarai	31	0.9
20.	Brown Hill	124	3.8
21.	Sub-Mountane	47	1.4
22.	Mountain Meadow	66	2.0
23.	Saline & Alkaline	*	*
24.	Peaty and Saline Peaty	4	0.1
25.	Skeletal	42	1.3
<b>Total</b>		<b>3,219</b> <b>(3,287)</b>	<b>98.1</b>

\* = The area of this soil group is included into the areas under different groups of soils  
 ( ) = Total geographical area.  
 Source: *Indian Agriculture in Brief - 23rd edition*, DES, MOA, New Delhi.

1.04 CROPPING PATTERN ACCORDING TO LAND UTILISATION STATISTICS 2011-12 and 2012-13 (Provisional)				
Crop	2011-12		2012-13	
	Area ('000 ha)	% share to total cropped area	Area ('000 ha)	% share to total cropped area
<b>I. Food crops</b>	<b>1,42,306</b>	<b>72.74</b>	<b>1,39,174</b>	<b>71.59</b>
<b>1. Total Foodgrains</b>	<b>1,23,576</b>	<b>63.17</b>	<b>1,20,357</b>	<b>61.91</b>
<b>(A) Cereals &amp; Millets</b>	<b>1,00,150</b>	<b>51.19</b>	<b>98,398</b>	<b>50.62</b>
Rice	43,698	22.34	42,757	21.99
Jowar	6,178	3.16	6,301	3.24
Bajra	8,831	4.51	7,668	3.94
Maize	8,593	4.39	8,562	4.40
Ragi/ Marua	1,172	0.60	1,117	0.57
Wheat	30,155	15.41	30,495	15.69
Barley	661	0.34	702	0.36
Other cereals & Millets	862	0.44	795	0.41
<b>(B) Pulses</b>	<b>23,426</b>	<b>11.97</b>	<b>21,959</b>	<b>11.30</b>
Gram	7,768	3.97	7,974	4.10
Tur (Arhar)	3,765	1.92	3,499	1.80
Other pulses	11,893	6.08	10,486	5.39
<b>2. Sugar</b>	<b>5,411</b>	<b>2.77</b>	<b>5,488</b>	<b>2.82</b>
(i) Sugarcane	5,395	2.76	5,443	2.80
(ii) Others	16	0.01	45	0.02
<b>3. Condiments &amp; Spices</b>	<b>3,632</b>	<b>1.86</b>	<b>3,312</b>	<b>1.70</b>
Pepper (Black)	117	0.06	122	0.06
Chillies	752	0.38	672	0.35
Ginger	128	0.07	118	0.06
Turmeric	238	0.12	205	0.11
Cardamom	83	0.04	86	0.04
Betelnuts	438	0.22	450	0.23
Others	1,877	0.96	1,658	0.85
<b>4. Total fruits &amp; vegetables</b>	<b>9,462</b>	<b>4.84</b>	<b>9,811</b>	<b>5.05</b>
<b>(i) Total fruits</b>	<b>4,027</b>	<b>2.06</b>	<b>4,306</b>	<b>2.22</b>
<b>(A) Fresh fruits</b>	<b>3,500</b>	<b>1.79</b>	<b>3,766</b>	<b>1.94</b>
Mangoes	1,328	0.68	1,462	0.75
Citrus fruits	477	0.24	478	0.25
Banana	514	0.26	588	0.30
Grapes	69	0.04	121	0.06
Pome fruits	96	0.05	94	0.05
Papaya	53	0.03	69	0.04
Apple	65	0.03	65	0.03
Others	897	0.46	888	0.46
<b>(B) Dry fruits</b>	<b>527</b>	<b>0.27</b>	<b>540</b>	<b>0.28</b>
Cashewnut	513	0.26	525	0.27
Others	14	0.01	15	0.01

(Continued)



1.04 CROPPING PATTERN ACCORDING TO LAND UTILISATION STATISTICS				
2011-12 and 2012-13 (Provisional) (Concluded)				
Crop	2011-12		2012-13	
	Area ('000 ha)	% share to total cropped area	Area ('000 ha)	% share to total cropped area
<b>(ii) Vegetables</b>	<b>5,435</b>	<b>2.78</b>	<b>5,505</b>	<b>2.83</b>
Potato	1,617	0.83	1,651	0.85
Tapioca	204	0.10	175	0.09
Sweet potato	53	0.03	82	0.04
Onion	625	0.32	549	0.28
Others	2,937	1.50	3,048	1.57
<b>5. Other food crops</b>	<b>225</b>	<b>0.12</b>	<b>205</b>	<b>0.11</b>
<b>II. Non food crops</b>	<b>53,326</b>	<b>27.26</b>	<b>55,225</b>	<b>28.41</b>
<b>1. Oilseeds</b>	<b>28,083</b>	<b>14.36</b>	<b>29,097</b>	<b>14.97</b>
Groundnut	5,201	2.66	5,276	2.71
Castorseed	1,459	0.75	1,223	0.63
Sesamum	1,902	0.97	1,786	0.92
Rapeseed & Mustard	5,481	2.80	5,954	3.06
Linseed	244	0.12	229	0.12
Coconut	1,902	0.97	1,890	0.97
Nigerseed	282	0.14	273	0.14
Safflower	291	0.15	242	0.12
Soyabean	10,209	5.22	10,944	5.63
Sunflower	808	0.41	932	0.48
Others	303	0.15	348	0.18
<b>2. Fibres</b>	<b>13,134</b>	<b>6.71</b>	<b>12,793</b>	<b>6.58</b>
Cotton	12,169	6.22	11,881	6.11
Jute	809	0.41	780	0.40
Mesta	80	0.04	75	0.04
Sannhemp	35	0.02	19	0.01
Others	41	0.02	38	0.02
<b>3. Dyes &amp; Tanning Material</b>	<b>57</b>	<b>0.03</b>	<b>52</b>	<b>0.03</b>
Indigo	2	0.001	2	0.001
Others	56	0.03	50	0.03
<b>4. Drugs, Narcotics &amp; Plantation Crops</b>	<b>2,915</b>	<b>1.49</b>	<b>2,729</b>	<b>1.40</b>
Opium	15	0.01	7	0.004
Tobacco	394	0.20	432	0.22
Cinchona	9	0.005	9	0.00
Indian hemp	-	-	-	-
Tea	605	0.31	597	0.31
Coffee	351	0.18	355	0.18
Rubber	599	0.31	600	0.31
Others	942	0.48	729	0.38
<b>5. Fodder crops</b>	<b>7,738</b>	<b>3.96</b>	<b>9,188</b>	<b>4.73</b>
<b>6. Green Manure crops</b>	<b>329</b>	<b>0.17</b>	<b>378</b>	<b>0.19</b>
<b>7. Other Nonfood crops</b>	<b>1,070</b>	<b>0.55</b>	<b>988</b>	<b>0.51</b>
<b>Total area sown (under all crops) (I+II)</b>	<b>1,95,632</b>	<b>100.00</b>	<b>1,94,399</b>	<b>100.00</b>

Source : Directorate of Economics & Statistics, Ministry of Agriculture & Farmers Welfare, GoI, New Delhi.

1.05 SOWING AND HARVESTING SEASONS OF PRINCIPAL CROPS IN MAJOR GROWING STATES								
Zone/State	Rice						Jowar	
	Kharif		Rabi		Summer		Kharif	
	Sowing	Harvesting	Sowing	Harvesting	Sowing	Harvesting	Sowing	Harvesting
<b>East</b>								
Assam	Feb-Mar	June-July	June-July	Nov-Dec	Nov-Dec	May-June	-	-
Bihar	Jun-Aug	Oct-Nov	Oct-Nov	April-May	Feb-Mar	July-Aug	April-August	Sept-Dec
Meghalaya								
Nagaland								
Odisha \$	May-June	Sept-Oct	June-July	Nov-Dec	Dec-Jan	April-May	June-July	Sept-Oct
West Bengal								
<b>North</b>								
Haryana	June-July	Sept-Oct	-	-	-	-	June-July	Sept-Nov
Himachal Pradesh	May-June	Oct	-	-	-	-	-	-
Jammu & Kashmir	April-May	Sept-Oct						
Punjab	June-July	Oct-Nov	-	-	-	-	June-July	Sept-Nov
Uttar Pradesh	June-July	Oct-Nov	Nov-Dec	April-May			June-July	Oct-Dec
<b>South</b>								
Andhra Pradesh#	May-Jun	Nov-Dec	Nov-Dec	May-June	March-April	July-Aug	June-oct	Jan-April
Karnataka	May-Jun	Sept-Oct	Sept-Oct	Jan-Feb	Jan-Feb	May-June	May-July	Oct-Dec
Kerala	April-May	Sept-Oct	Sept-Oct	Dec-Jan	Dec-Jan	March-April	-	-
Tamil Nadu							June-oct	Sept-Jan
<b>West</b>								
Gujarat	June-July	Oct-Nov	-	-	-	-	June-July	Nov-Dec
Madhya Pradesh	June-July	Oct-Nov	-	-	-	-	10th June-7th Aug	Nov-15th Jan
Maharashtra	June-July	Oct-Nov	-	-	-	-	June-July	Nov-Jan
Rajasthan	June-July	Oct-Nov	-	-	-	-	June-August	Oct-Dec
Goa	May-Jun	Sept-Oct	-	-	-	-	June-August	Oct-Dec
<b>All India</b>	May-August	Sept-Jan	Dec-Jan	April-May			April-August	Sept-Jan
(Continued)								

1.05 SOWING AND HARVESTING SEASONS OF PRINCIPAL CROPS IN MAJOR GROWING STATES (Continued)								
Zone/State	Jowar		Bajra				Maize	
	Rabi		Kharif		Summer		Kharif	
	Sowing	Harvesting	Sowing	Harvesting	Sowing	Harvesting	Sowing	Harvesting
<b>East</b>								
Assam	-	-					June- July	Sept.- Oct.
Bihar	-	-	Feb.- Mar.	July- Aug.			June- July	Oct.- Nov.
Meghalaya	-	-	-	-				
Nagaland	-	-	-	-			-	-
Odisha \$	-	-	June- July	Sept.- Oct.			June- July	Sept.- Oct.
West Bengal	-	-					March- May	June- August
<b>North</b>								
Haryana	-	-	June- July	Oct.- Nov.			July- Aug.	Oct.
Himachal Pradesh	-	-					May- June	Sept.- Oct.
Jammu & Kashmir	-	-						
Punjab	-	-					May- June	Sept.- Oct.
Uttar Pradesh	-	-	June- July	Oct.- Nov.			June- July	Sept.
<b>South</b>								
Andhra Pradesh#	Nov.- Dec.	March- April	June- July	Sept.- Oct.			June- July	Sept.- Oct.
Karnataka	Sept.- Nov.	Jan.- March	July- Aug.	Oct.- Nov.	Jan.- Feb.	April- May	May- June	Sept.- Oct.
Kerala	-	-	-	-			-	-
Tamil Nadu	Nov.- May	Feb.- July					-	-
<b>West</b>								
Gujarat	Sept.- Oct.	Feb.	June- July	Sept.- Nov.	Feb.	May	June- July	Sept.- Nov.
Madhya Pradesh	20th Sept.- Oct.	Jan.- March	June- July	Sept.- Dec.			June- July	Aug.- Dec.
Maharashtra	Sept.- Nov.	Jan.- March	June- July	Sept.- Oct.			July- Aug.	Oct.- Nov.
Rajasthan	-	-	June- July	Sept.- Oct.			June- July	Oct.- Nov.
Goa	-	-	-	-	-	-	-	-
<b>All India</b>	Sept.- Dec.	Jan.- April	June- July	Sept.- Nov.	Jan.- Feb.	April- May	March- July	Sept.- Dec.

1.05 SOWING AND HARVESTING SEASONS OF PRINCIPAL CROPS IN MAJOR GROWING STATES (Continued)								
Zone/State	Maize		Wheat (Rabi)		Gram Rabi		Potato	
	Rabi		Sowing	Harvesting	Sowing	Harvesting	Harvesting	
	Sowing	Harvesting						
<b>East</b>								
Assam	Oct.-Jan. Feb.-May		Nov.-Dec.	Mar.-Apr.			Dec-Jan	
Bihar	Nov.-Dec Feb.- Mar.		Nov.-Dec.	Mar.-Apr.			Jan-Feb	
Jharkhand						-	Dec.-Feb.	
Manipur						Sept.-Oct	Mar.-Apr. Dec-Jan	
Meghalaya			-	-		Sept.-Oct	Dec.-Jan. April	
Mizoram							Sept.	
Nagaland			-	-		-	February	
Odisha \$			Oct.-Nov.	Mar.-Apr.		-	-	Feb-Mar
West Bengal	Nov	March	Nov.-Dec.	Mar.-Apr.		Nov.-Dec	March	March
<b>North</b>								
Haryana			Oct.-Dec.	April		Oct.	Mar.	Feb-Mar.
Himachal Pradesh			Oct.-Nov.	Apr.-June				May-Jun Aug-Nov
Jammu & Kashmir			Oct.-Dec.	May-May				Apr.- July
Punjab			Oct.-Nov.	Apr.-May				Dec-Jan
Uttar Pradesh			Oct.-Dec.	April		Oct.-Nov.	Mar.-Apr.	Mar.-Apr.
Uttarakhand								Jul.-Aug and Oct.-Dec.
<b>South</b>								
Andhra Pradesh#	Oct.- Jan	Feb.- May	-	-				Apr-Jun
Karnataka	Sept.- Oct.	Jan.- March	Oct.-Nov.	Jan.-Feb		Oct.-Nov.	Jan.- March	Feb-Mar and Sep-Oct
Kerala			-	-				
Tamil Nadu			-	-		-	-	Round the year
Puducherry								Apr. and July
<b>West</b>								
Gujarat			Oct.-Nov.	Feb.-Mar.		Oct.-Nov.	Feb.-Mar.	January
Chhattisgarh								Jan.-Mar.
Madhya Pradesh			Oct.-Nov.	Feb.-Mar.		Oct.-Dec.	Feb.-Apr.	Feb-Mar
Maharashtra			Oct.-Nov.	Feb.-Mar.		Sept.-Oct.	Feb.-Mar.	Mar-May
Rajasthan			Nov.-Dec.	Mar.-Apr.				Jan-Feb
Dadar & Nagar Hav	-	-	-	-		-	-	January
Daman & Diu								January
<b>All India</b>	Sept.- Jan.	Jan.- May	Oct.-Dec.	Feb.-june		Sept.-Dec.	Dec.-Apr.	(Sowing)
(Continued)								

1.05 SOWING AND HARVESTING SEASONS OF PRINCIPAL CROPS IN MAJOR GROWING STATES (Continued)						
Zone/State	Sugarcane				Tobacco	
	Kharif		Rabi		Sowing	Harvesting
	Sowing	Harvesting	Sowing	Harvesting		
<b>East</b>						
Assam	Mar.-Apr.	Dec.-Jan			Oct.-Nov.	Feb.-Mar.
Bihar					-	-
Meghalaya					Oct.-Nov.	Feb.-Mar.
Tripura	Feb.-May.	Dec.-Mar.			Sept.-Dec.	Nov.-Jan.
Odisha \$	Feb.-May.	Nov.-Feb.			Sept.-Dec.	Nov.-Jan.
West Bengal					Sept.-Dec.	Feb.-Mar.
<b>North</b>						
Haryana	Feb.-Mar.	Dec.-Mar.			Nov.-Mar.	May-June
Himachal Pradesh					May-June	Oct.-Nov.
Jammu & Kashmir					Mar.-July	June-July Sept.-Nov.
Punjab	Feb.-Mar.	Nov.-Feb.			Nov.-Mar. June-Aug.	May-June Oct.-Dec.
Uttar Pradesh					Sept.-Feb.	Jan.-May
<b>South</b>						
Andhra Pradesh#	Dec.-Jun	Dec.-May			Oct.	Feb.
Karnataka	Dec.-Mar.	Aug.-May			Apr.-Sept.	Aug.-Feb.
Kerala					-	-
Tamil Nadu	Dec.-Jan	Dec.-Jan			Sept.-Jan.	Feb.-Apr.
<b>West</b>						
Gujarat					July.-Sept.	Nov.-Feb.
Madhya Pradesh	Oct.-Apr.	Oct.-Mar.			10 June- 15Nov.	Nov.- 15 Mar.
Maharashtra	July-Aug.	Oct.-Nov			July.-Sept.	Jan.-Mar.
Rajasthan	Mar.-Apr.	Dec.-Mar.			Nov.-Jan.	Apr.-May
Goa						
<b>All India</b>	Feb.-Aug	Aug-Nov	June- Oct	Oct-Jan	July-Dec.	Jan.-May
(Continued)						

1.05 SOWING AND HARVESTING SEASONS OF PRINCIPAL CROPS IN MAJOR GROWING STATES (Concluded)									
Zone/State	Groundnut				Cotton		Jute		
	Kharif		Summer		Kharif				
	Sowing	Harvesting	Sowing	Harvesting	Sowing	Harvesting	Sowing	Harvesting	
<b>East</b>									
Assam	July-Aug.(R)		Nov.-Dec.(R)						
Bihar					July	Oct.-Nov.			
Manipur	-	-					Feb.-Mar	Aug.-Sept	
Nagaland	-	-							
Odisha \$					June-July	Nov.-Dec.	May-June	Aug.-Sept	
Tripura							Mar.-May	Aug.-Sept	
West Bengal	June-July	Sept.-Oct	Feb.-Mar	May-June	Oct.-Nov.	Sept	Mar.-May	July-Aug	
	Oct.-Nov. (R)		Jan-Mar (R)						
<b>North</b>									
Haryana					Apr	Oct.-Nov.		-	-
Himachal Pradesh					-	-	-	-	
Jammu & Kashmir		-			-	-	-	-	
Punjab					Apr.-Mar	Sept.-Oct			
Uttar Pradesh	July	Oct.-Nov			Apr.-June	Sept.-Nov			
<b>South</b>									
Andhra Pradesh#	June-July	Sept.-Nov			June-July	Dec.-Mar.		-	-
	Nov.-Jan.(R)		Feb.-May (R)						
Karnataka	June-July	Sept.-Oct	Dec-Jan	Mar-Apr			-	-	
	Nov.-Jan (R)		Feb.-May (R)						
Kerala	-	-			June-Oct	Dec.-Mar.	June.-Oct	Oct.-Jan.	
<b>West</b>									
Gujarat	June.-July	Sept.-Nov.	Jan-Feb	Apr-May	May	Oct.-Apr	-	-	
Madhya Pradesh	June-July	Sept.-Oct			June.-July	Nov.-Dec.	-	-	
Maharashtra	June-July	Oct.-Nov	Jan-Feb	Apr-May	June.-July	Nov.-Dec.	-	-	
Rajasthan	June-July	Oct.-Nov			Apr-May	Nov.-Dec.	-	-	
<b>All India</b>					Apr.-Jul	Sept.-Dec	Feb.-June	Aug-Oct	
(B) = Broadcasting			(T) = Transplanting			(K)=Kharif (R)=Rabi			
\$ = from November 2011 (Formerly Orissa).					# = Includes Telangana.				
Source: <i>Agricultural Statistics at a Glance 2014</i> , Directorate of Economics, and Statistics, Ministry of Agriculture & Farmers Welfare, New Delhi.									

1.06 ALL-INDIA AREA UNDER FOODGRAINS - CULTIVATED AND IRRIGATED- WITH LAND MAN RATIO (1950-51 to 2012-13)						
Sl. No.	Year	Area under foodgrains		Share of area under foodgrains to Gross area sown #	Share of irrigated area under foodgrains to Gross irrigated area #	Land man ratio \$
		Cultivated <----- ('000 hectares) ----->	Irrigated			
1	1950 - 51	1,01,196	18,317	76.7	81.2	
2	1951 - 52	1,00,853	18,563	75.7	80.1	0.34
3	1952 - 53	1,05,212	19,035	76.4	81.7	0.35
4	1953 - 54	1,10,437	20,021	77.5	82.2	0.35
5	1954 - 55	1,09,355	20,140	75.9	80.7	0.35
6	1955 - 56	1,11,325	20,626	75.6	80.4	0.35
7	1956 - 57	1,12,662	20,453	75.4	79.6	0.34
8	1957 - 58	1,09,768	21,163	75.3	79.5	0.33
9	1958 - 59	1,14,845	21,460	75.7	79.6	0.33
10	1959 - 60	1,16,357	21,844	76.1	79.6	0.33
11	1960 - 61	1,15,564	22,065	75.6	78.9	0.32
12	1961 - 62	1,17,281	22,448	75.1	78.9	0.32
13	1962 - 63	1,18,157	23,390	75.4	79.4	0.32
14	1963 - 64	1,17,696	23,340	75.0	78.6	0.31
15	1964 - 65	1,18,419	23,943	74.4	78.0	0.31
16	1965 - 66	1,14,887	24,032	74.0	77.8	0.29
17	1966 - 67	1,15,998	25,764	73.7	78.8	0.29
18	1967 - 68	1,21,254	26,167	74.1	78.8	0.37
19	1968 - 69	1,19,309	28,098	74.8	79.2	0.28
20	1969 - 70	1,22,714	29,080	75.6	78.6	0.28
21	1970 - 71	1,24,910	30,117	75.3	78.9	0.28
22	1971 - 72	1,22,846	30,081	74.4	78.3	0.28
23	1972 - 73	1,21,343	30,762	74.8	78.8	0.26
24	1973 - 74	1,27,383	31,173	75.0	77.4	0.27
25	1974 - 75	1,21,796	32,305	74.2	77.4	0.26
26	1975 - 76	1,28,538	34,093	75.0	78.6	0.26
27	1976 - 77	1,25,077	34,222	74.7	78.6	0.25
28	1977 - 78	1,27,725	35,405	74.2	76.8	0.25
29	1978 - 79	1,29,266	37,214	73.9	77.0	0.25
30	1979 - 80	1,25,598	38,118	74.1	77.5	0.24
31	1980 - 81	1,27,608	37,851	73.9	76.0	0.24
32	1981 - 82	1,29,697	38,381	73.4	74.7	0.24
33	1982 - 83	1,25,562	38,714	72.7	74.7	0.23
34	1983 - 84	1,31,423	40,654	73.2	75.5	0.23
35	1984 - 85	1,27,048	40,504	72.1	74.3	0.22
36	1985 - 86	1,28,756	40,407	72.1	74.4	0.22
37	1986 - 87	1,27,992	41,777	72.6	74.9	0.22
38	1987 - 88	1,20,876	40,474	70.8	72.2	0.21
39	1988 - 89	1,27,573	43,913	70.0	71.8	0.21
40	1989 - 90	1,26,526	44,268	69.4	71.6	0.21
41	1990 - 91	1,27,948	44,866	68.9	71.0	0.20
42	1991 - 92	1,22,520	45,790	67.2	69.7	0.20
43	1992 - 93	1,25,215	46,856	67.5	70.2	0.19
44	1993 - 94	1,24,825	48,259	66.9	70.7	0.19
45	1994 - 95	1,25,949	49,894	67.0	70.6	0.19
46	1995 - 96	1,23,463	49,543	65.9	69.4	0.18
47	1996 - 97	1,25,101	52,175	66.0	68.6	0.16
48	1997 - 98	1,25,716	52,440	66.2	69.3	0.16
49	1998 - 99	1,26,879	54,957	66.2	69.9	0.17
50	1999 - 2000	1,24,719	55,661	66.2	70.3	0.17
51	2000 - 2001	1,22,680	53,609	66.2	70.4	0.17
52	2001 - 2002	1,24,222	54,131	66.1	69.1	0.16
53	2002 - 2003	1,15,254	50,043	66.3	68.5	0.16
54	2003 - 2004	1,24,971	53,242	65.9	68.2	0.16
55	2004 - 2005	1,22,710	54,715	64.2	67.5	0.16
56	2005 - 2006	1,23,610	56,489	64.1	67.0	0.15
57	2006 - 2007	1,24,106	58,550	64.5	67.5	0.15
58	2007 - 2008	1,25,859	59,512	64.5	67.6	0.15
59	2008 - 2009 (P)	1,24,635	60,415	63.8	68.0	0.15
60	2009 - 2010 (P)	1,21,481	58,122	64.3	68.3	0.15
61	2010 - 2011 (P)	1,26,955	61,065	64.3	68.7	0.14
62	2011 - 2012 (P)	1,23,576	61,612	63.2	67.2	0.14
63	2012 - 2013 (P)	1,20,357	61,632	61.9	66.6	0.14

# = For details, see columns 3 and 6 of Table 1.01. (P) = Provisional  
 \$ = Land man ratio = Arable land & land under permanent crops/population  
 Source: Directorate of Economics & Statistics, Ministry of Agriculture & Farmers Welfare, Govt. of India, New Delhi.

1.07 (a) DISTRIBUTION OF OPERATIONAL HOLDINGS - SIZEWISE - ALL-INDIA (1995-96, 2000-01, 2005-06 and 2010-11)												
Category of Holdings	Number ('000)				Area ('000 ha)				Average size of operational holdings (ha)			
	1995-96	2000-01*	2005-06*	2010-11	1995-96	2000-01*	2005-06*	2010-11	1995-96	2000-01*	2005-06*	2010-11
<b>Marginal</b>	<b>71,179</b>	<b>75,408</b>	<b>83,694</b>	<b>92,826</b>	<b>28,121</b>	<b>29,814</b>	<b>32,026</b>	<b>35,908</b>	<b>0.40</b>	<b>0.40</b>	<b>0.38</b>	<b>0.39</b>
(Less than 1 ha.)	(61.6)	(62.9)	(64.8)	(67.0)	(17.2)	(18.7)	(20.2)	(22.5)				
<b>Small</b>	<b>21,643</b>	<b>22,695</b>	<b>23,930</b>	<b>24,779</b>	<b>30,722</b>	<b>32,139</b>	<b>33,101</b>	<b>35,244</b>	<b>1.42</b>	<b>1.42</b>	<b>1.38</b>	<b>1.42</b>
(1.0 to 2.0 ha.)	(18.7)	(18.9)	(18.5)	(17.9)	(18.8)	(20.2)	(20.9)	(22.1)				
<b>Semi-Medium</b>	<b>14,261</b>	<b>14,021</b>	<b>14,127</b>	<b>13,896</b>	<b>38,953</b>	<b>38,193</b>	<b>37,898</b>	<b>37,705</b>	<b>2.73</b>	<b>2.72</b>	<b>2.68</b>	<b>2.71</b>
(2.0 to 4.0 ha.)	(12.3)	(11.7)	(10.9)	(10.0)	(23.8)	(24.0)	(23.9)	(23.6)				
<b>Medium</b>	<b>7,092</b>	<b>6,577</b>	<b>6,375</b>	<b>5,875</b>	<b>41,398</b>	<b>38,217</b>	<b>36,583</b>	<b>33,828</b>	<b>5.84</b>	<b>5.81</b>	<b>5.74</b>	<b>5.76</b>
(4.0 to 10.0)	(6.1)	(5.5)	(4.9)	(4.3)	(25.3)	(24.0)	(23.1)	(21.2)				
<b>Large</b>	<b>1,404</b>	<b>1,230</b>	<b>1,096</b>	<b>973</b>	<b>24,160</b>	<b>21,072</b>	<b>18,715</b>	<b>16,907</b>	<b>17.20</b>	<b>17.12</b>	<b>17.08</b>	<b>17.38</b>
(10.0 & above)	(1.2)	(1.0)	(0.8)	(0.7)	(14.8)	(13.2)	(11.8)	(10.6)				
<b>Total</b>	<b>1,15,580</b>	<b>1,19,931</b>	<b>1,29,222</b>	<b>1,38,348</b>	<b>1,63,355</b>	<b>1,59,436</b>	<b>1,58,323</b>	<b>1,59,592</b>	<b>1.41</b>	<b>1.33</b>	<b>1.23</b>	<b>1.15</b>
	<b>(100.0)</b>	<b>(100.0)</b>	<b>(100.0)</b>	<b>(100.0)</b>	<b>(100.0)</b>	<b>(100.0)</b>	<b>(100.0)</b>	<b>(100.0)</b>				
( ) = Percentage share of various categories to the total (vertical) of a particular year. * = Excluding Jharkhand. Source: Various issues of <i>Agriculture Census</i> , Deptt. of Agriculture and Cooperation, Ministry of Agriculture & Farmers Welfare, Govt. of India, New Delhi. (www.agcensus.nic.in)												



1.07 (b) STATEWISE AVERAGE SIZE OF OPERATIONAL HOLDINGS BY MOJOR SIZE-GROUPS (2005-06 and 2010-11)												
States	(hectares)											
	Marginal		Small		Semi-medium		Medium		Large		All holdings	
	2005-06	2010-11	2005-06	2010-11	2005-06	2010-11	2005-06	2010-11	2005-06	2010-11	2005-06	2010-11
Andhra Pradesh#	0.44	0.44	1.41	1.41	2.66	2.63	5.66	5.56	15.66	15.50	1.20	1.08
Assam	0.43	0.42	1.21	1.38	2.66	2.69	5.13	5.15	60.92	68.11	1.11	1.10
Bihar	0.25	0.25	1.25	1.25	2.59	2.59	5.16	5.09	20.56	14.45	0.43	0.39
Chhattisgarh	0.44	0.44	1.42	1.42	2.70	2.68	5.74	5.71	16.63	16.30	1.51	1.36
Gujarat	0.50	0.49	1.46	1.45	2.78	2.77	5.81	5.72	16.72	20.91	2.20	2.03
Haryana	0.45	0.46	1.44	1.47	2.83	2.87	6.05	6.09	16.47	17.95	2.23	2.25
Himachal Pradesh	0.41	0.41	1.39	1.40	2.72	2.72	5.67	5.67	17.00	15.45	1.04	0.99
Jammu & Kashmir	0.36	0.35	1.40	1.40	2.70	2.68	5.43	5.43	18.89	22.34	0.67	0.62
Jharkhand	N.A.	0.41	N.A.	1.38	N.A.	2.74	N.A.	5.63	N.A.	15.35	N.A.	1.17
Karnataka	0.45	0.48	1.43	1.41	2.71	2.68	5.78	5.69	14.90	14.71	1.63	1.55
Kerala	0.14	0.13	1.33	1.57	2.56	2.79	5.30	5.32	47.73	64.58	0.23	0.22
Madhya Pradesh	0.5	0.49	1.43	1.42	2.75	2.73	5.86	5.76	15.29	15.77	2.02	1.78
Maharashtra	0.46	0.47	1.26	1.42	2.50	2.67	5.28	5.62	13.39	15.96	1.46	1.44
Manipur	0.52	0.52	1.29	1.28	2.48	2.48	4.86	4.86	11.13	11.00	1.14	1.14
Meghalaya	0.49	0.45	1.33	1.33	2.54	2.79	5.22	5.67	23.21	16.48	1.18	1.37
Nagaland	0.47	0.51	1.17	1.13	2.52	2.58	6.11	6.17	19.46	17.57	6.93	6.02
Odisha \$	0.52	0.57	1.37	1.63	2.65	2.95	5.51	5.99	15.89	23.72	1.15	1.04
Punjab	0.62	0.61	1.41	1.38	2.67	2.64	5.75	5.74	15.03	14.75	3.95	3.77
Rajasthan	0.49	0.49	1.43	1.43	2.83	2.83	6.16	6.14	17.88	17.45	3.38	3.07
Sikkim	0.38	0.37	1.26	1.20	2.55	2.49	5.47	5.44	18.40	15.77	1.48	1.42
Tamil Nadu	0.37	0.37	1.39	1.39	2.71	2.70	5.65	5.63	19.98	20.13	0.83	0.80
Tripura	0.28	0.28	1.37	1.38	2.51	2.52	5.30	5.07	63.43	14.29	0.50	0.49
Uttar Pradesh	0.40	0.39	1.40	1.40	2.73	2.72	5.55	5.52	15.20	15.01	0.80	0.76
Uttarakhand	0.40	0.44	1.39	1.43	2.70	2.71	5.48	5.45	25.13	23.11	0.92	0.89
West Bengal	0.49	0.49	1.59	1.59	2.73	2.73	4.94	4.85	339.42	316.20	0.79	0.77
Arunachal Pradesh	0.51	0.55	1.31	1.34	2.79	2.76	6.31	5.54	15.01	14.90	3.33	3.51
Chandigarh	0.41	0.46	1.40	1.43	2.86	2.86	5.79	5.70	12.75	11.08	1.09	1.29
D&N Haveli	0.51	0.51	1.32	1.37	2.73	2.77	5.86	5.74	15.60	15.46	1.43	1.38
Delhi	0.43	0.42	1.38	1.32	2.85	2.69	5.83	5.56	14.60	15.13	1.49	1.45
Goa	0.29	0.47	1.24	1.79	2.51	2.94	5.70	6.16	66.99	24.15	1.15	1.14
Lakshadweep	0.18	0.17	1.36	1.36	2.50	2.50	6.11	6.11	24.00	24.00	0.27	0.27
Mizoram	0.62	0.60	1.31	1.27	2.32	2.42	4.80	5.13	43.83	15.09	1.22	1.14
Puducherry	0.30	0.35	1.41	1.46	2.73	2.86	5.80	5.72	18.20	16.90	0.78	0.66
Daman & Diu	0.27	0.23	1.38	1.36	2.67	2.56	5.98	6.27	18.14	19.97	0.50	0.38
A & N Islands	0.44	0.44	1.51	1.43	2.64	2.63	4.35	4.34	37.79	36.88	1.88	1.85
<b>All India *</b>	<b>0.38</b>	<b>0.39</b>	<b>1.38</b>	<b>1.42</b>	<b>2.68</b>	<b>2.71</b>	<b>5.74</b>	<b>5.76</b>	<b>17.08</b>	<b>17.38</b>	<b>1.23</b>	<b>1.15</b>

\* = Excluding Jharkhand.      \$ = from November 2011 (Formerly Orissa).      # = Includes Telangana.

Source : 1) *Agricultural Statistics at a Glance - 2009*, Directorate of Economic and Statistics, Deptt. of Agriculture and Cooperation, Ministry of Agriculture, New Delhi.

2) *Agriculture Census 2005-06 and 2010-11*, Deptt. of Agriculture and Cooperation, Ministry of Agriculture & Farmers Welfare, Govt. of India, New Delhi. ([www.agcensus.nic.in](http://www.agcensus.nic.in))

1.07 (c) STATEWISE NUMBER AND AREA OF OPERATIONAL HOLDINGS — SIZEWISE											
2005-06 and 2010-11( P)											
State	Year	No. of holdings ('000 number)					Area ('000 hectares)				
		0-2	2-4	4-10	above10	Total	0-2	2-4	4-10	above10	Total
<b>East</b>											
Arunachal Pradesh	2005-06	47	30	27	4	109	44	85	169	63	361
	2010-11	40	34	28	7	109	38	94	155	97	384
Assam	2005-06	2344	318	83	5	2750	1478	846	425	299	3049
	2010-11	2328	304	85	4	2720	1462	818	437	282	2999
Bihar	2005-06	14117	438	98	4	14657	4537	1135	505	74	6251
	2010-11	15692	415	81	3	16191	4855	1073	415	45	6388
Jharkhand	2005-06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
	2010-11	2277	283	129	20	2709	1355	775	725	311	3165
Odisha \$	2005-06	3753	472	120	11	4356	2930	1251	658	181	5019
	2010-11	4287	311	64	6	4667	3420	919	381	132	4852
West Bengal	2005-06	6681	283	28	1	6992	4394	772	138	221	5526
	2010-11	6833	267	23	1	7123	4448	731	110	222	5510
Manipur	2005-06	126	22	3	neg	150	103	55	14	neg	172
	2010-11	126	22	3	neg	151	103	55	13	neg	172
Meghalaya	2005-06	167	29	6	neg	203	128	73	34	6	241
	2010-11	161	41	8	neg	210	123	113	47	4	287
Mizoram	2005-06	74	14	1	neg	90	68	32	7	3	110
	2010-11	80	10	2	neg	92	68	24	9	4	105
Nagaland	2005-06	25	37	76	30	169	22	93	465	593	1173
	2010-11	26	48	78	25	178	26	125	481	442	1074
Sikkim	2005-06	57	11	5	1	73	36	28	30	16	109
	2010-11	57	11	6	1	75	35	27	32	12	107
Tripura	2005-06	545	18	2	neg	565	214	46	10	10	280
	2010-11	554	22	3	neg	578	216	54	14	1	285
<b>North</b>											
Haryana	2005-06	1075	283	196	49	1603	794	800	1186	803	3583
	2010-11	1093	284	195	46	1617	823	814	1185	823	3646
Himachal Pradesh	2005-06	813	88	29	4	933	503	240	165	60	968
	2010-11	845	85	28	3	961	517	230	156	51	955
Jammu & Kashmir	2005-06	1292	71	14	1	1378	643	193	74	12	923
	2010-11	1374	64	11	1	1449	651	171	62	12	895
Punjab	2005-06	318	320	296	71	1004	341	854	1700	1067	3963
	2010-11	359	325	298	70	1053	370	855	1713	1029	3967
Uttar Pradesh	2005-06	20610	1392	428	28	22458	11313	3796	2374	424	17906
	2010-11	21567	1334	398	25	23325	11414	3629	2199	380	17622
Chandigarh	2005-06	neg	neg	neg	neg	1	neg	neg	neg	neg	1
	2010-11	neg	neg	neg	neg	1	neg	neg	neg	neg	1
Uttarakhand	2005-06	821	78	21	1	922	486	210	117	33	847
	2010-11	829	65	17	1	913	521	175	94	25	816
Delhi	2005-06	20	3	2	Neg.	25	14	10	11	3	38
	2010-11	16	3	2	Neg.	20	11	8	9	2	30

(Continued)

1.07(c) STATEWISE NUMBER AND AREA OF OPERATIONAL HOLDINGS — SIZEWISE (Concluded) 2005-06 and 2010-11 (P)											
State	Year	No. of holdings ('000 number)					Area ('000 hectares)				
		0-2	2-4	4-10	above 10	Total	0-2	2-4	4-10	above 10	Total
<b>South</b>											
Andhra Pradesh#	2005-06	10056	1444	487	56	12044	7017	3835	2759	878	14489
	2010-11	11343	1399	397	36	13175	7847	3685	2209	552	14293
Karnataka	2005-06	5669	1278	554	79	7581	4527	3468	3205	1184	12385
	2010-11	5987	1267	511	68	7832	4871	3393	2904	994	12161
Kerala	2005-06	6817	70	15	2	6904	1181	179	79	117	1555
	2010-11	6760	57	12	2	6831	1168	159	64	120	1511
Tamil Nadu	2005-06	7462	542	170	20	8193	4007	1468	958	391	6824
	2010-11	7448	502	151	17	8118	3936	1356	848	350	6488
Puducherry	2005-06	29	2	1	neg	31	12	5	4	2	24
	2010-11	31	1	neg	neg	33	14	4	3	1	22
A&N Islands	2005-06	7	3	2	Neg.	12	5	8	7	2	22
	2010-11	7	3	2	Neg.	12	5	8	7	1	22
Lakshadweep	2005-06	10	neg	neg	neg	10	2	neg	neg	neg	3
	2010-11	10	neg	neg	neg	10	2	neg	neg	neg	3
<b>West</b>											
Chhattisgarh	2005-06	2679	517	231	34	3461	1918	1396	1327	569	5210
	2010-11	3014	503	202	28	3746	2132	1348	1153	451	5084
Gujarat	2005-06	2930	1081	582	68	4661	2751	3004	3380	1133	10269
	2010-11	3245	1080	513	49	4886	2960	2989	2930	1020	9898
Madhya Pradesh	2005-06	5347	1566	868	127	7908	4663	4304	5087	1939	15994
	2010-11	6340	1655	789	89	8872	5381	4510	4545	1400	15836
Maharashtra	2005-06	10268	2452	925	70	13716	8049	6130	4885	941	20005
	2010-11	10761	2159	711	68	13699	8925	5765	3993	1084	19767
Rajasthan	2005-06	3394	1260	1103	429	6186	2911	3570	6796	7662	20939
	2010-11	4023	1335	1127	404	6888	3400	3774	6918	7044	21136
Goa	2005-06	49	3	1	Neg.	53	19	7	7	28	61
	2010-11	70	6	2	1	78	46	17	12	14	89
D & N Haveli	2005-06	12	2	1	Neg.	14	9	5	4	2	21
	2010-11	12	2	1	Neg.	15	9	5	4	2	20
Daman&Diu	2005-06	8	neg	neg	Neg.	8	3	1	neg	Neg.	4
	2010-11	8	neg	neg	Neg.	8	3	neg	neg	Neg.	3
<b>All India</b>	<b>2005-06</b>	<b>107624</b>	<b>14127</b>	<b>6375</b>	<b>1096</b>	<b>129222</b>	<b>65127</b>	<b>37898</b>	<b>36583</b>	<b>18715</b>	<b>158323</b>
	<b>2010-11</b>	<b>117647</b>	<b>13896</b>	<b>5875</b>	<b>973</b>	<b>138348</b>	<b>71152</b>	<b>37705</b>	<b>33828</b>	<b>16907</b>	<b>159592</b>
Neg. = Negligible (P) = Provisional. \$ = from November 2011 (Formerly Orissa). # = Includes Telangana.											
Source: Various issues of Agriculture Census, Deptt. of Agriculture, Cooperation & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India, New Delhi. (www.agcensus.nic.in)											

1.08 CEILING LIMITS ON LAND HOLDINGS			
(In acres)			
States	Irrigated land with two crops	Irrigated land with one crop	Dry land
A. As recommended in 1972 National Guidelines	10 to 18	27	54
B. Proposed in Agenda Notes 1985 of RMC	12	18	30
1. Andhra Pradesh#	10 to 18	15 to 27	35 to 54
2. Assam	17	17	17
3. Bihar	15 to 18	25	30 to 45
4. Gujarat	10 to 18	15 to 27	20 to 54
5. Haryana	18	27	54
6. Himachal Pradesh	10	15	30 to 70
7. Jammu & Kashmir	9 to 12.5	9 to 12.5	15 to 23 in Ladakh 19
8. Karnataka	10 to 20	25 to 30	54
9. Kerala	12 to 15	12 to 15	12 to 15
10. Madhya Pradesh	18	27	54
11. Maharashtra	18	27	54
12. Manipur	12	12	15
13. Odisha \$	10	15	30 to 45
14. Punjab	17	27	51
15. Rajasthan	18	27	54 to 175
16. Tamil Nadu	12	30	60
17. Sikkim	12.5	12.5	50
18. Tripura	10	10	30
19. Uttarakhand	18	27	45
20. Uttar Pradesh	18	27	45
21. West Bengal	12	12	17
<p>Note: 1. The actual limits for lands in Karnataka and Uttar Pradesh are higher due to classification of land.</p> <p>2. The actual ceiling limits in Himachal Pradesh and Rajasthan are higher due to hilly terrain and desert lands.</p> <p>3. 1 acre = 0.404686 hectare.</p> <p>4. RMC = Regional Minister's Conference.</p> <p>\$ = from November 2011 (Formerly Orissa). # = Includes Telangana.</p>			
<p>Source : <i>Agricultural Statistics at a Glance 2014</i>, Directorate of Economics &amp; Statistics, Department of Agriculture, Cooperation &amp; Farmers Welfare, Ministry of Agriculture &amp; Farmers Welfare, GoI, New Delhi.</p>			

1.09 AGRO-ECOLOGICAL REGIONS						
Eco System	No.	Region	States represented	Eco-Region	Soil type	Growing period (No. of days)
I. Arid	1	Western Himalaya	J & K, HP	Cold arid	Shallow Skeletal	<90
	2	Western Plain, Kutch and part of Kathiawar Peninsula	Gujarat, Rajasthan, Haryana, Punjab	Hot arid	Desert & Saline	<90
	3	Deccan Plateau	AP, Karnataka	Hot arid	Red & Black	<90
II. Semi-arid	4	Northern Plain and Central Highlands including Aravallis	Gujarat, Rajasthan, UP, MP, Haryana, Punjab	Hot Semi-arid	Alluvium-derived	90-150
	5	Central (Malwa) Highlands, Gujarat Plains & Kathiawar Peninsula	Gujarat, MP	Hot Semi-arid	Medium & deep black	90-150
	6	Deccan Plateau	Karnataka, AP, Maharashtra, Madhya Pradesh	Hot Semi-arid	Shallow and medium (with inclusion of deep) black	90-150
	7	Deccan (Telangana) Plateau and Eastern Ghats	AP	Hot Semi-arid	Red & black	90-150
	8	Eastern Ghats, TN uplands and Deccan (Karnataka) Plateau	Karnataka, TN, Kerala	Hot Semi-arid	Red loamy	90-150
III. Sub-humid	9	Northern Plain	Bihar, UP, Punjab	Hot sub humid (dry)	Alluvium-derived	150-180
	10	Central Highlands (Malwa, Bundelkhand & Eastern Satpura)	MP, Maharashtra	Hot sub humid	Black and red	150-180 (to 210)
	11	Eastern Plateau (Chhattisgarh)	MP	Hot sub humid	Red and yellow	150-180
	12	Eastern (Chhota Nagpur) Plateau and Eastern Ghats	Orissa, W. Bengal, Bihar MP, Maharashtra	Hot sub humid	Red & lateritic	150-180 (to 210)
	13	Eastern Plain	UP, Bihar	Hot sub humid (Moist)	Alluvium-derived	180-210
	14	Western Himalayas	J & K, HP, UP	Warm sub humid (to humid with inclusion of per humid)	Brown forest and podzolic	180-210+
IV. Humid-Per humid	15	Bengal and Assam Plains	W. Bengal, Assam	Hot sub humid (moist) to humid (inclusion of per humid)	Alluvium derived	210+
	16	Eastern Himalayas	Arunachal Pradesh, Sikkim, W. Bengal	Warm per humid	Brown and red hill	210+
	17	North Eastern Hills (Purvanchal)	Tripura, Mizoram, Meghalaya	Warm per humid	Red and lateritic	210+
V. Coastal	18	Eastern Coastal Plain	TN, Pondicherry, AP Orissa, W. Bengal	Hot sub humid to semi arid	Coastal alluvium-derived	90-210+
	19	Western Ghats & Coastal Plain	Kerala, Goa, Daman & Diu, Maharashtra, Gujarat, Kerala	Hot humid-Per humid	Red, lateritic and alluvium derived	210+
VI. Island	20	Island of Andaman-Nicobar and Lakshadweep	Andaman-Nicobar and Lakshadweep	Hot humid Per humid	Red loamy and sandy	210+

Note: Orissa now called Odisha.

Source: National Bureau of Soil Survey and Land Use Planning, ICAR, Nagpur.

**2.00 IRRIGATION**

<b>2.01 GROSS CROPPED AND IRRIGATED AREA AND AREA UNDER FOODGRAINS WITH CROPPING INTENSITY - STATE-WISE 2012-13 (Provisional)</b>								
(Area in '000 hectares)								
Zone/State	Cultivated area		Cropping intensity (%)	Irrigated area		Percentage of net irrigated area to net cultivated area	Area under food grains	Share of area under foodgrains to total cropped area (%)
	Net	Gross		Net	Gross			
<b>East</b>	<b>20849</b>	<b>30430</b>	<b>146.0</b>	<b>8098</b>	<b>13808</b>	<b>38.8</b>	<b>22982</b>	<b>75.5</b>
Arunachal Pradesh	216	285	131.7	57	57	26.4	220	77.2
Assam	2811	4197	149.3	161	160	5.7	2691	64.1
Bihar	5402	7778	144.0	3053	5327	56.5	6744	86.7
Jharkhand	1406	1657	117.9	210	235	14.9	1471	88.8
Odisha \$	4386	5069	115.6	1248	1496	28.5	4747	93.6
West Bengal	5205	9678 *	185.9	3082 *	6105 *	59.2	6089	62.9
Manipur	309 *	309 *	100.0	49 *	49 *	15.9	210 ***	68.0
Meghalaya	285	340	119.0	65	125	22.8	139	40.9
Nagaland	380	489	128.5	85	92	22.4	303	62.0
Sikkim	77 *	144 *	185.7	14 *	19 *	18.2	66 ***	45.8
Tripura	256 *	368 *	144.1	60 *	128 *	23.4	267 **	72.6
Mizoram	116	116	100.0	14	15	12.1	35	30.2
<b>North</b>	<b>26244</b>	<b>43351</b>	<b>165.2</b>	<b>21942</b>	<b>34877</b>	<b>83.6</b>	<b>33673</b>	<b>77.7</b>
Haryana	3513	6376	181.5	3102	5672	88.3	4302	67.5
Himachal Pradesh	543 *	947 *	174.2	110 *	195 *	20.3	801 ***	84.6
Jammu & Kashmir	745	1162	156.0	325	487	43.6	936	80.6
Punjab	4150	7870	189.6	4115	7744	99.2	6533	83.0
Uttarakhand	706	1124	159.2	338	554	47.9	899	80.0
Uttar Pradesh	16564	25821 *	155.9	13929 *	20191 *	84.1	20164	78.1
Chandigarh	1 *	2 *	151.5	1 *	1 *	100.0	1 ***	50.0
Delhi	22	49	220.2	22	33	100.0	37 **	75.5
<b>South</b>	<b>27535</b>	<b>33184</b>	<b>120.5</b>	<b>11049</b>	<b>13746</b>	<b>40.1</b>	<b>17111</b>	<b>51.6</b>
Andhra Pradesh#	11117	13650	122.8	4575	6268	41.2	6990	51.2
Karnataka	9793	11748	120.0	3421	4007	34.9	7245	61.7
Kerala	2048	2592	126.5	396	458	19.3	201	7.8
Tamil Nadu	4544	5140	113.1	2643	2991	58.2	2648	51.5
Puducherry	16	26	161.6	14	22	87.5	18	69.2
A & N Islands	15 *	25 *	166.8	-	-	-	9 ***	37.2
Lakshadweep	2 *	3 *	146.8	- *	- *	-	- ***	-
<b>West</b>	<b>65303</b>	<b>87439</b>	<b>133.9</b>	<b>25015</b>	<b>30143</b>	<b>38.3</b>	<b>46592</b>	<b>53.3</b>
Chhattisgarh	4671	5691	121.8	1449	1725	31.0	5250	92.3
Gujarat	10302	12600 *	122.3	4233 *	5913 *	41.1	4556 ***	36.2
Madhya Pradesh	15352	23130	150.7	8550	8966	55.7	13715	59.3
Maharashtra	17344 *	21874 *	126.1	3244 *	4041 *	18.7	10576 ***	48.3
Rajasthan	17479	23954	137.0	7499	9455	42.9	12412	51.8
Goa	132	163	123.2	36	36	27.3	59	36.2
Daman & Diu	3	3	122.6	-	-	-	3 **	100.0
D & N Haveli	20	24	121.0	4	7	20.0	21	87.5
<b>2012-13</b>	<b>139932</b>	<b>194399</b>	<b>138.9</b>	<b>66103</b>	<b>92575</b>	<b>47.2</b>	<b>120357</b>	<b>61.9</b>
<b>2011-12</b>	<b>140974</b>	<b>195632</b>	<b>138.8</b>	<b>65693</b>	<b>91730</b>	<b>46.6</b>	<b>123576</b>	<b>63.2</b>

\$ = from November 2011 (Formerly Orissa). # = Includes Telangana.

Note : Please refer Table 1.02 for explanatory notes for notations shown against "States/UTs".

Source : Directorate of Economics & Statistics, Ministry of Agriculture & Farmers Welfare, Govt. of India, N. Delhi.

2.02 NET AREA IRRIGATED BY SOURCE - STATE-WISE 2012-13 (Provisional)								
Zone/State	Canals			Tanks	Wells			Total net-irrigated area
	Govt.	Private	Total		Tube wells	Other wells	Other source	
<b>East</b>	<b>1,034</b>	<b>50</b>	<b>1,083</b>	<b>114</b>	<b>1,978</b>	<b>79</b>	<b>4,845</b>	<b>8,098</b>
Arunachal Pradesh	-	-	-	-	-	-	57	57
Assam	33	-	33	5	27	2	94	161
Bihar	955	-	955	59	1,902	20	118	3,053
Jharkhand	7	-	7	48	43	55	57	210
Odisha \$	-	-	-	-	-	-	1,248	1,248
West Bengal **	-	-	-	-	-	-	3,082	3,082
Manipur **	-	-	-	-	-	-	49	49
Meghalaya	28	38	65	-	-	-	-	65
Nagaland	-	-	-	-	-	-	85	85
Sikkim **	-	-	-	-	-	-	14	14
Tripura **	9	-	9	2	6	2	41	60
Mizoram	2	12	14	-	-	-	-	14
<b>North</b>	<b>5,281</b>	<b>113</b>	<b>5,394</b>	<b>116</b>	<b>15,146</b>	<b>885</b>	<b>399</b>	<b>21,942</b>
Haryana	1,345	-	1,345	-	1,757	-	-	3,102
Himachal Pradesh **	4	-	4	-	20	2	84	110
Jammu & Kashmir	175	110	285	8	4	6	21	325
Punjab	1,133	-	1,133	-	2,982	-	-	4,115
Uttar Pradesh **	2,537	-	2,537	108	10,175	836	272	13,929
Uttarakhand	85	3	88	-	188	41	21	338
Chandigarh **	-	-	-	-	1	-	-	1
Delhi **	2	-	2	-	19	-	1	22
<b>South</b>	<b>3,077</b>	<b>2</b>	<b>3,079</b>	<b>1,105</b>	<b>3,808</b>	<b>2,347</b>	<b>708</b>	<b>11,049</b>
Andhra Pradesh #	1,265	-	1,265	503	2,032	612	162	4,575
Karnataka	1,136	-	1,136	138	1,321	407	418	3,421
Kerala	81	2	83	44	26	122	121	396
Tamil Nadu	590	-	590	420	420	1,206	7	2,643
A & N Islands **	-	-	-	-	-	-	-	-
Puducherry	5	-	5	-	9	-	-	14
Lakshadweep **	-	-	-	-	-	-	-	-
<b>West</b>	<b>6,070</b>	<b>-</b>	<b>6,070</b>	<b>413</b>	<b>9,564</b>	<b>7,452</b>	<b>1,517</b>	<b>25,015</b>
Chhattisgarh	877	-	877	49	419	20	84	1,449
Gujarat **	771	-	771	45	1,122	2,181	114	4,233
Madhya Pradesh	1,440	-	1,440	227	2,741	2,986	1,156	8,550
Maharashtra **	1,080	-	1,080	-	2,164	-	-	3,244
Rajasthan	1,901	-	1,901	92	3,118	2,264	125	7,499
Goa	-	-	-	-	-	-	36	36
Daman & Diu	-	-	-	-	-	-	-	-
D & N Haveli	1	-	1	-	-	1	2	4
<b>All India 2012-13</b>	<b>15,462</b>	<b>165</b>	<b>15,628</b>	<b>1,748</b>	<b>30,497</b>	<b>10,764</b>	<b>7,466</b>	<b>66,103</b>
<b>2011-12</b>	<b>15,838</b>	<b>172</b>	<b>16,010</b>	<b>1,918</b>	<b>29,942</b>	<b>10,595</b>	<b>7,228</b>	<b>65,693</b>

Note : 1. Please refer Table 1.02 for explanatory notes for notations.  
2. Totals may not exactly tally due to rounding of figures. # = Includes Telangana.  
\$ = from November 2011 (Formerly Orissa).

Source : Directorate of Economics & Statistics, Ministry of Agriculture & Farmers Welfare, Govt of India, N. Delhi.

2.03 GROSS IRRIGATED AREA BY CROPS - STATE-WISE - 2012-13(Provisional)									
('000 hectares)									
Zone/State	Rice	Jowar	Bajra	Maize	Ragi & Marua	Wheat	Barley	Other Cereals & Millets	Total Cereals & Millets
<b>East</b>	<b>6,652</b>	<b>1.00</b>	<b>-</b>	<b>473</b>	<b>6</b>	<b>2,468</b>	<b>4</b>	<b>2</b>	<b>9,608</b>
Arunachal Pradesh	52	-	-	-	-	1	-	-	53
Assam **	123	-	-	-	-	1	-	-	124
Bihar	2,060	1	-	452	1	2,088	3	1	4,606
Jharkhand	70	-	-	1	-	67	-	-	138
Odisha \$	1,367	-	-	4	-	1	-	1	1,372
West Bengal **	2,623	-	-	15	5	309	1	-	2,955
Manipur **	49	-	-	-	-	-	-	-	49
Meghalaya	97	-	-	-	-	-	-	-	97
Mizoram	15	-	-	-	-	-	-	-	15
Nagaland	88	-	-	-	-	1	-	-	89
Sikkim **	10	-	-	1	-	-	-	-	12
Tripura **	98	-	-	-	-	-	-	-	98
<b>North</b>	<b>9,449</b>	<b>46</b>	<b>257</b>	<b>434</b>	<b>7</b>	<b>15,975</b>	<b>182</b>	<b>25</b>	<b>26,379</b>
Haryana	1,206	42	171	2	-	2,484	45	-	3,950
Himachal Pradesh **	50	-	1	26	-	78	3	1	159
Jammu & Kashmir	237	-	1	29	7	83	2	2	361
Punjab	2,839	-	2	99	-	3,478	13	-	6,432
Uttar Pradesh	4,921	1	82	278	-	9,630	119	22	15,054
Uttarakhand	189	-	-	-	-	202	-	-	392
Chandigarh **	-	-	-	-	-	-	-	-	1
Delhi	7	3	-	-	-	20	-	-	30
<b>South</b>	<b>5,970</b>	<b>227</b>	<b>57</b>	<b>1,065</b>	<b>65</b>	<b>132</b>	<b>-</b>	<b>2</b>	<b>7,519</b>
Andhra Pradesh #	3,512	53	16	481	6	8	-	1	4,077
Karnataka	919	145	35	471	48	124	-	1	1,743
Kerala	147	-	-	-	-	-	-	-	147
Tamil Nadu	1,376	29	6	113	11	-	-	-	1,536
Puducherry	16	-	-	-	-	-	-	-	16
A & N Islands **	-	-	-	-	-	-	-	-	-
Lakshadweep **	-	-	-	-	-	-	-	-	-
<b>West</b>	<b>2,854</b>	<b>334</b>	<b>384</b>	<b>204</b>	<b>-</b>	<b>9,911</b>	<b>350</b>	<b>7</b>	<b>14,046</b>
Chhattisgarh	1,405	-	-	11	-	77	-	-	1,493
Gujarat **	494	30	211	61	-	1,138	5	5	1,944
Madhya Pradesh	466	1	-	18	-	5,086	47	1	5,619
Maharashtra **	406	302	40	105	-	571	-	-	1,423
Rajasthan	65	1	133	9	-	3,039	298	1	3,548
Goa	15	-	-	-	-	-	-	-	15
Daman & Diu	-	-	-	-	-	-	-	-	-
D & N Haveli	3	-	-	-	-	-	-	-	4
<b>ALL India 2012-13</b>	<b>24,924</b>	<b>609</b>	<b>699</b>	<b>2,179</b>	<b>80</b>	<b>28,487</b>	<b>537</b>	<b>36</b>	<b>57,551</b>
2011-12	25,671	596	717	2,174	71	28,049	494	42	57,816

(Continued)



2.03 GROSS IRRIGATED AREA BY CROPS - STATE-WISE - 2012-13(Provisional) (Concluded)										
('000 hectares)										
Zone/State	Gram	Tur or Arhar	Other Pulses (excl. Gram & Tur/Arhar)	Total Pulses	Total Food-grains	Sugar-cane	Gro-und-nut	Rape-seed & Mustard	Total Oil seeds	Total irrigated area under all crops
<b>East</b>	<b>15</b>	<b>-</b>	<b>148</b>	<b>163</b>	<b>9,775</b>	<b>218</b>	<b>70</b>	<b>465</b>	<b>806</b>	<b>13,808</b>
Arunachal Pradesh	-	-	-	-	53	-	-	-	-	57
Assam **	-	-	-	-	124	-	-	-	1	160
Bihar	6	-	77	83	4,689	192	-	54	76	5,327
Jharkhand	1	-	-	1	140	1	-	4	4	235
Odisha \$	-	-	31	31	1,404	15	15	4	25	1,496
West Bengal **	8	-	39	47	3,002	10	55	394	689	6,105
Manipur **	-	-	-	-	49	-	-	-	-	49
Meghalaya	-	-	-	-	97	-	-	6	6	125
Mizoram	-	-	-	-	15	-	-	-	-	15
Nagaland	-	-	-	-	90	-	-	2	3	92
Sikkim **	-	-	-	-	12	-	-	1	1	19
Tripura **	-	-	1	1	100	-	-	-	1	128
<b>North</b>	<b>119</b>	<b>54</b>	<b>458</b>	<b>632</b>	<b>27,011</b>	<b>2,320</b>	<b>5</b>	<b>1,080</b>	<b>1,123</b>	<b>34,877</b>
Haryana	9	11	7	27	3,977	101	-	451	459	5,672
Himachal Pradesh **	-	-	5	6	165	1	-	1	3	195
Jammu & Kashmir	-	-	4	4	365	-	-	45	45	487
Punjab	2	3	13	18	6,450	78	1	27	50	7,744
Uttar Pradesh	108	40	424	572	15,626	2,038	4	550	559	20,191
Uttarakhand	-	-	5	5	397	102	-	6	7	554
Chandigarh **	-	-	-	-	1	-	-	-	-	1
Delhi	-	-	-	-	30	-	-	-	-	33
<b>South</b>	<b>129</b>	<b>37</b>	<b>93</b>	<b>262</b>	<b>7,782</b>	<b>1,344</b>	<b>665</b>	<b>-</b>	<b>1,792</b>	<b>13,746</b>
Andhra Pradesh #	11	2	28	42	4,120	343	324	-	538	6,268
Karnataka	118	33	20	172	1,915	649	206	-	563	4,007
Kerala	-	-	-	-	147	2	-	-	164	458
Tamil Nadu	-	2	45	48	1,584	348	135	-	526	2,991
Puducherry	-	-	-	-	16	2	-	-	1	22
A & N Islands **	-	-	-	-	-	-	-	-	-	-
Lakshadweep **	-	-	-	-	-	-	-	-	-	-
<b>West</b>	<b>2,646</b>	<b>45</b>	<b>331</b>	<b>3,022</b>	<b>17,067</b>	<b>1,294</b>	<b>631</b>	<b>3,011</b>	<b>4,532</b>	<b>30,143</b>
Chhattisgarh	109	-	8	117	1,610	22	4	4	11	1,725
Gujarat **	75	17	20	113	2,057	244	229	203	997	5,913
Madhya Pradesh	1,573	7	225	1,805	7,424	87	18	364	414	8,966
Maharashtra **	272	19	9	299	1,722	933	56	1	132	4,041
Rajasthan	617	2	67	686	4,233	6	323	2,439	2,968	9,455
Goa	-	-	1	1	16	1	1	-	10	36
Daman & Diu	-	-	-	-	-	-	-	-	-	-
D & N Haveli	-	-	1	1	5	1	-	-	-	7
<b>ALL India 2012-13</b>	<b>2,910</b>	<b>138</b>	<b>1,032</b>	<b>4,081</b>	<b>61,632</b>	<b>5,175</b>	<b>1,373</b>	<b>4,555</b>	<b>8,251</b>	<b>92,575</b>
<b>2011-12</b>	<b>2,609</b>	<b>143</b>	<b>1,044</b>	<b>3,796</b>	<b>61,612</b>	<b>5,110</b>	<b>1,266</b>	<b>4,025</b>	<b>7,753</b>	<b>91,730</b>

Note: 1. Please refer Table1.02 for explanatory notes for notations. # = Includes Telangana.  
2. Totals may not exactly tally due to rounding of figures.  
\$ = from November 2011 (Formerly Orissa).  
Source : Directorate of Economics & Statistics, Ministry of Agriculture & Farmers Welfare, Gol, New Delhi.

2.04 PERCENTAGE OF IRRIGATED AREA TO TOTAL AREA UNDER PRINCIPAL CROPS -- STATE-WISE 2012-13 (Provisional)							
							(Per cent)
Zone/State	Rice	Jowar	Bajra	Maize	Wheat	Barley	Total Cereals & Millets
<b>East</b>	<b>38.6</b>	<b>19.7</b>	<b>-</b>	<b>39.0</b>	<b>93.4</b>	<b>23.7</b>	<b>45.1</b>
Arunachal Pradesh	37.6	-	-	-	48.9	--	25.2
Assam	4.9	-	-	-	3.0	--	4.9
Bihar	62.4	-	-	65.2	94.6	28.8	74.0
Jharkhand	6.4	-	-	1.1	96.6	-	10.6
Odisha \$	34.0	-	-	4.2	96.2	--	32.6
West Bengal	48.2	-	-	14.2	96.1	41.7	50.2
Manipur	31.0	-	-	-	-	--	27.3
Meghalaya	88.4	-	-	-	-	--	74.1
Mizoram	60.7	-	-	-	--	--	48.6
Nagaland	48.0	-	-	-	30.6	-	33.3
Sikkim	83.9	-	-	2.5	-	-	20.2
Tripura	38.5	-	-	-	-	--	37.8
<b>North</b>	<b>89.2</b>	<b>18.9</b>	<b>18.9</b>	<b>28.6</b>	<b>94.9</b>	<b>64.7</b>	<b>84.9</b>
Haryana	100.0	76.1	41.6	20.2	99.5	94.3	93.5
Himachal Pradesh	65.0	-	-	8.8	21.4	13.5	20.7
Jammu & Kashmir	90.6	-	5.1	9.3	28.4	16.8	39.7
Punjab	99.7	-	74.9	75.7	98.9	98.2	98.8
Uttar Pradesh	83.1	-	8.9	37.4	98.4	72.0	84.8
Uttarakhand	70.2	-	-	-	57.8	-	46.4
Chandigarh	-	-	-	-	-	-	135.1
Delhi	102.2	36.8	-	-	99.3	-	81.5
<b>South</b>	<b>90.2</b>	<b>12.9</b>	<b>14.8</b>	<b>41.5</b>	<b>56.5</b>	<b>--</b>	<b>60.7</b>
Andhra Pradesh#	96.8	18.5	24.0	49.5	95.4	--	80.9
Karnataka	72.2	11.5	12.7	36.1	55.0	--	35.0
Kerala	74.5	-	-	-	-	-	74.3
Tamil Nadu	92.1	13.8	14.0	38.8	-	--	71.9
Puducherry	98.3	-	-	--	--	--	97.9
A & N Islands	-	--	--	-	--	--	--
Lakshadweep	--	--	--	--	--	--	--
<b>West</b>	<b>34.3</b>	<b>7.8</b>	<b>6.5</b>	<b>6.2</b>	<b>91.8</b>	<b>86.7</b>	<b>41.8</b>
Chhattisgarh	35.3	-	-	9.4	75.3	-	34.3
Gujarat	61.5	19.8	22.3	12.6	90.8	44.2	52.3
Madhya Pradesh	26.0	0.3	-	2.1	90.8	58.3	62.2
Maharashtra	26.1	9.6	5.1	12.8	73.9	-	19.5
Rajasthan	51.7	0.1	3.3	0.9	99.2	96.8	38.7
Goa	32.7	--	--	--	--	--	32.7
Daman & Diu	-	-	-	-	-	--	-
D & N Haveli	22.2	-	--	-	-	--	25.4
<b>All India</b>	<b>58.3</b>	<b>9.7</b>	<b>9.1</b>	<b>25.4</b>	<b>93.4</b>	<b>76.5</b>	<b>58.5</b>

(Continued)

2.04 PERCENTAGE OF IRRIGATED AREA TO TOTAL AREA UNDER PRINCIPAL CROPS -- STATE-WISE 2012-13 (Provisional) (Concluded)										
(Per cent)										
Zone/State	Gram	Total Pulses	Total Food-grains	Ground-nut	Rapeseed and Mustard	Total Oil seeds	Sugar-cane	Cotton	Tobacco	All crops
<b>East</b>	<b>12.2</b>	<b>9.8</b>	<b>42.5</b>	<b>48.3</b>	<b>50.1</b>	<b>47.6</b>	<b>67.2</b>	<b>-</b>	<b>96.5</b>	<b>45.4</b>
Arunachal Pradesh	--	-	24.1	--	--	-	-	--	--	20.0
Assam	-	-	4.6	--	-	0.3	-	-	-	3.8
Bihar	9.8	16.1	69.5	-	62.2	57.0	76.7	--	100.8	68.5
Jharkhand	3.2	0.6	9.5	-	18.7	6.6	101.0	--	--	14.2
Odisha \$	--	5.8	29.6	22.6	27.3	17.2	103.2	--	--	29.5
West Bengal	31.8	23.3	49.3	81.5	88.2	82.6	62.1	-	100.0	63.1
Manipur	-	-	23.3	-	-	-	-	--	--	15.9
Meghalaya	-	-	69.8	--	61.5	43.8	-	-	-	36.8
Mizoram	--	-	43.2	--	-	-	-	-	-	12.9
Nagaland	-	-	29.7	-	7.4	4.4	-	-	--	18.8
Sikkim	--	-	18.2	--	22.8	12.1	--	--	--	13.2
Tripura	-	11.8	37.4	-	-	6.8	-	-	--	34.8
<b>North</b>	<b>17.9</b>	<b>24.1</b>	<b>80.2</b>	<b>5.4</b>	<b>81.8</b>	<b>61.2</b>	<b>94.8</b>	<b>99.8</b>	<b>98.3</b>	<b>80.5</b>
Haryana	19.1	35.9	92.4	-	80.8	80.9	100.0	99.7	-	89.0
Himachal Pradesh	-	18.4	20.6	-	11.1	19.8	53.2	-	-	20.6
Jammu & Kashmir	-	14.9	39.0	-	75.1	69.3	-	--	-	41.9
Punjab	82.9	86.4	98.7	60.6	94.2	88.4	95.4	99.9	--	98.4
Uttar Pradesh	17.6	23.8	77.5	4.6	85.3	50.9	94.4	91.7	98.4	78.2
Uttarakhand	-	9.2	44.2	-	45.3	27.0	98.1	--	--	49.3
Chandigarh	--	--	135.1	--	--	--	--	--	--	51.2
Delhi	-	-	80.7	--	-	-	-	--	--	67.7
<b>South</b>	<b>7.8</b>	<b>5.5</b>	<b>45.5</b>	<b>29.3</b>	<b>-</b>	<b>32.3</b>	<b>98.6</b>	<b>18.3</b>	<b>22.4</b>	<b>41.4</b>
Andhra Pradesh#	1.6	2.2	58.9	24.1	-	25.6	95.1	13.9	29.0	45.9
Karnataka	12.2	7.6	26.4	35.3	-	30.8	99.9	37.7	11.3	34.1
Kerala	-	-	73.2	-	--	20.5	114.8	-	-	17.7
Tamil Nadu	-	9.4	59.8	39.8	-	64.2	99.9	24.8	97.7	58.2
Puducherry	--	-	89.3	-	--	39.8	98.7	-	--	84.4
A & N Islands	--	-	-	-	-	-	-	-	--	-
Lakshadweep	--	-	-	--	--	-	--	--	--	-
<b>West</b>	<b>47.9</b>	<b>23.3</b>	<b>36.6</b>	<b>22.8</b>	<b>81.4</b>	<b>22.6</b>	<b>98.9</b>	<b>30.7</b>	<b>95.4</b>	<b>32.5</b>
Chhattisgarh	40.7	13.1	30.7	13.6	8.5	4.2	95.5	-	-	30.3
Gujarat	43.6	13.5	45.1	12.4	95.3	31.1	94.6	58.7	100.0	46.9
Madhya Pradesh	57.9	38.5	54.1	8.1	51.8	5.5	99.4	53.6	-	38.8
Maharashtra	24.3	9.1	16.3	20.7	11.1	3.3	100.0	2.7	15.4	18.5
Rajasthan	49.2	21.1	34.1	80.3	89.5	60.3	103.4	92.9	-	39.5
Goa	--	7.6	27.1	--	--	37.7	117.1	--	--	22.2
Daman & Diu	-	-	-	--	--	-	--	--	--	-
D & N Haveli	-	18.0	23.5	-	--	-	289.0	--	--	28.6
<b>All India</b>	<b>36.5</b>	<b>18.6</b>	<b>51.2</b>	<b>26.0</b>	<b>76.5</b>	<b>28.4</b>	<b>95.1</b>	<b>33.8</b>	<b>54.2</b>	<b>47.6</b>

Note: Please refer Table 1.02 for explanatory notes for notations.  
 \$ = from November 2011 (Formerly Orissa). # = Includes Telangana.  
 Source : Directorate of Economics & Statistics, Ministry of Agriculture & Farmers Welfare, Govt. of India, New Delhi.

<b>2.05 (a) DISTRIBUTION OF NUMBER AND NET IRRIGATED AREA OF HOLDINGS IN INDIA BY IRRIGATION STATUS, IN MAJOR SIZE CLASSES FOR ALL SOCIAL GROUPS - 2010-11</b>							
				(Number in Thousands)			
				(Area in Thousand Hectares)			
Major size Classes	Wholly irrigated Holdings		Partly irrigated Holdings			Wholly unirrigated Holdings	
	Number	Area	Number	Total Area	Irrigated Area	Number	Area
Marginal	39,294 (72.08)	14,824 (28.75)	9,623 (55.93)	3,599 (14.52)	2,011 (15.46)	37,065 (63.75)	13,796 (21.24)
Small	8,644 (15.86)	11,678 (22.65)	3,486 (20.26)	4,768 (19.24)	2,585 (19.87)	11,686 (20.10)	15,529 (23.91)
Semi-medium	4,525 (8.30)	11,621 (22.54)	2,536 (14.74)	6,397 (25.82)	3,374 (25.93)	6,366 (10.95)	15,760 (24.27)
Medium	1,806 (3.31)	9,692 (18.80)	1,342 (7.80)	6,922 (27.94)	3,573 (27.46)	2,544 (4.38)	12,828 (19.75)
Large	245 (0.45)	3,742 (7.26)	218 (1.27)	3,092 (12.48)	1,467 (11.28)	484 (0.83)	7,030 (10.82)
<b>All Size Classes</b>	<b>54,515</b> <b>(100.00)</b>	<b>51,557</b> <b>(100.00)</b>	<b>17,206</b> <b>(100.00)</b>	<b>24,778</b> <b>(100.00)</b>	<b>13,010</b> <b>(100.00)</b>	<b>58,145</b> <b>(100.00)</b>	<b>64,943</b> <b>(100.00)</b>
Note: 1. Totals may not tally due to rounding off. 2. Figures in brackets are percentages.							
Source : <i>Agriculture Census 2010-11</i> , Deptt. of Agriculture and Cooperation, Ministry of Agriculture & Farmers Welfare, Govt. of India, New Delhi. ( <a href="http://www.agcensus.nic.in">www.agcensus.nic.in</a> )							
<b>2.05 (b) IRRIGATED AREA BY SOURCE OF IRRIGATION IN INDIA BY MAJOR SIZE CLASSES OF HOLDINGS FOR ALL SOCIAL GROUPS - 2010-11</b>							
(Area in Thousand Hectares)							
Major size Classes	Area irrigated by						Total
	Canals	Tanks	Wells	Tubewells	Other sources		
Marginal	4,783 (28.41)	912 (5.42)	2,262 (13.44)	7,818 (46.44)	1,060 (6.30)	16,835 (100.00)	
Small	3,562 (24.97)	558 (3.91)	2,891 (20.27)	6,232 (43.69)	1,021 (7.16)	14,263 (100.00)	
Semi-medium	3,686 (24.58)	433 (2.89)	3,219 (21.47)	6,629 (44.21)	1,028 (6.86)	14,995 (100.00)	
Medium	3,441 (25.94)	259 (1.95)	2,728 (20.56)	6,001 (45.24)	836 (6.30)	13,266 (100.00)	
Large	1,436 (27.57)	86 (1.65)	817 (15.68)	2,485 (47.71)	384 (7.37)	5,209 (100.00)	
<b>All Size Classes</b>	<b>16,908</b> <b>(26.19)</b>	<b>2,248</b> <b>(3.48)</b>	<b>11,917</b> <b>(18.46)</b>	<b>29,165</b> <b>(45.17)</b>	<b>4,329</b> <b>(6.70)</b>	<b>64,567</b> <b>(100.00)</b>	
Note: Figures in brackets are percentage of area irrigated by different sources to total area irrigated for each category of holdings.							
Source : <i>Agriculture Census 2010-11</i> , Deptt. of Agriculture and Cooperation, Ministry of Agriculture & Farmers Welfare, Govt. of India, New Delhi. ( <a href="http://www.agcensus.nic.in">www.agcensus.nic.in</a> )							

2.05 (c) CROPWISE ESTIMATED IRRIGATED AND UNIRRIGATED AREA BY SIZE CLASSES- 2010-11								
Crop-wise	Size Class	No. of holdings (in `000 units)	Area (in `000 hectare)					
			Irrigated		Unirrigated		Total	
Paddy	Marginal	37,515	9,088	(34.84)	5,263	(38.22)	14,351	(36.01)
	Small	7,349	5,683	(21.79)	3,282	(23.83)	8,965	(22.49)
	Semi-medium	3,903	5,509	(21.12)	2,879	(20.91)	8,388	(21.05)
	Medium	1,535	4,200	(16.10)	1,746	(12.68)	5,945	(14.92)
	Large	215	1,605	(6.15)	601	(4.36)	2,206	(5.53)
	<b>Total</b>	<b>50,516</b>	<b>26,084</b>	<b>(100.00)</b>	<b>13,770</b>	<b>(100.00)</b>	<b>39,856</b>	<b>(100.00)</b>
Jowar	Marginal	2,979	178	(20.27)	1,087	(15.93)	1,266	(16.44)
	Small	2,003	228	(25.97)	1,813	(26.56)	2,041	(26.50)
	Semi-medium	1,421	236	(26.88)	1,958	(28.69)	2,195	(28.50)
	Medium	686	180	(20.50)	1,472	(21.57)	1,652	(21.45)
	Large	110	55	(6.26)	494	(7.24)	549	(7.13)
	<b>Total</b>	<b>7,199</b>	<b>878</b>	<b>(100.00)</b>	<b>6,825</b>	<b>(100.00)</b>	<b>7,703</b>	<b>(100.00)</b>
Bajra	Marginal	2,615	163	(15.64)	889	(9.95)	1,052	(10.54)
	Small	1,602	217	(20.83)	1,335	(14.94)	1,551	(15.54)
	Semi-medium	1,338	262	(25.14)	1,830	(20.47)	2,092	(20.96)
	Medium	941	256	(24.57)	2,460	(27.52)	2,716	(27.21)
	Large	320	145	(13.92)	2,424	(27.12)	2,569	(25.74)
	<b>Total</b>	<b>6,816</b>	<b>1,042</b>	<b>(100.00)</b>	<b>8,938</b>	<b>(100.00)</b>	<b>9,980</b>	<b>(100.00)</b>
Maize	Marginal	8,603	632	(29.92)	1,742	(26.83)	2,374	(27.59)
	Small	2,932	516	(24.43)	1,677	(25.83)	2,192	(25.48)
	Semi-medium	1,859	508	(24.05)	1,627	(25.06)	2,135	(24.81)
	Medium	836	353	(16.71)	1,145	(17.63)	1,498	(17.41)
	Large	119	103	(4.88)	302	(4.65)	405	(4.71)
	<b>Total</b>	<b>14,349</b>	<b>2,112</b>	<b>(100.00)</b>	<b>6,493</b>	<b>(100.00)</b>	<b>8,604</b>	<b>(100.00)</b>
Wheat	Marginal	21,816	6,325	(23.74)	1,292	(30.39)	7,618	(24.65)
	Small	5,728	5,177	(19.43)	968	(22.77)	6,145	(19.89)
	Semi-medium	3,806	6,263	(23.50)	930	(21.87)	7,193	(23.28)
	Medium	1,957	6,305	(23.66)	775	(18.23)	7,080	(22.91)
	Large	320	2,577	(9.67)	286	(6.73)	2,863	(9.27)
	<b>Total</b>	<b>33,628</b>	<b>26,648</b>	<b>(100.00)</b>	<b>4,252</b>	<b>(100.00)</b>	<b>30,900</b>	<b>(100.00)</b>
Total Cereals	Marginal	63,423	17,640	(28.87)	12,902	(26.12)	30,542	(27.64)
	Small	16,914	12,958	(21.20)	11,497	(23.27)	24,456	(22.13)
	Semi-medium	9,796	13,816	(22.61)	11,304	(22.88)	25,120	(22.73)
	Medium	4,370	12,018	(19.67)	9,083	(18.39)	21,102	(19.09)
	Large	772	4,678	(7.65)	4,614	(9.34)	9,292	(8.41)
	<b>Total</b>	<b>95,275</b>	<b>61,111</b>	<b>(100.00)</b>	<b>49,400</b>	<b>(100.00)</b>	<b>110,511</b>	<b>(100.00)</b>
Gram	Marginal	2,288	136	(8.81)	881	(14.00)	1,018	(12.99)
	Small	1,534	271	(17.56)	1,411	(22.43)	1,681	(21.46)
	Semi-medium	1,208	391	(25.34)	1,648	(26.20)	2,039	(26.03)
	Medium	771	541	(35.06)	1,653	(26.28)	2,194	(28.01)
	Large	143	204	(13.22)	698	(11.10)	902	(11.51)
	<b>Total</b>	<b>5,944</b>	<b>1,543</b>	<b>(100.00)</b>	<b>6,291</b>	<b>(100.00)</b>	<b>7,834</b>	<b>(100.00)</b>

(Continued)

2.05 (c) CROPWISE ESTIMATED IRRIGATED AND UNIRRIGATED AREA BY SIZE CLASSES- 2010-11								
(Continued)								
Crop-wise	Size Class	No. of holdings (in `000 units)	Area (in `000 hectare)					
			Irrigated		Unirrigated		Total	
Tur (Arhar)	Marginal	2,189	35	(13.36)	556	(14.01)	591	(13.97)
	Small	2,114	58	(22.14)	1,122	(28.26)	1,180	(27.89)
	Semi-medium	1,434	77	(29.39)	1,186	(29.87)	1,263	(29.85)
	Medium	599	66	(25.19)	873	(21.99)	940	(22.22)
	Large	70	26	(9.92)	233	(5.87)	258	(6.10)
	<b>Total</b>	<b>6,406</b>	<b>262</b>	<b>(100.00)</b>	<b>3,970</b>	<b>(100.00)</b>	<b>4,231</b>	<b>(100.00)</b>
Total Pulses	Marginal	10,447	346	(12.88)	3,186	(16.28)	3,531	(15.86)
	Small	5,838	504	(18.76)	4,443	(22.70)	4,947	(22.22)
	Semi-medium	3,953	678	(25.23)	4,935	(25.21)	5,613	(25.22)
	Medium	2,063	841	(31.30)	4,718	(24.10)	5,559	(24.97)
	Large	409	318	(11.83)	2,292	(11.71)	2,610	(11.73)
	<b>Total</b>	<b>22,710</b>	<b>2,687</b>	<b>(100.00)</b>	<b>19,573</b>	<b>(100.00)</b>	<b>22,260</b>	<b>(100.00)</b>
Total Foodgrains	Marginal	67,590	17,985	(28.19)	16,087	(23.32)	34,073	(25.66)
	Small	19,324	13,462	(21.10)	15,941	(23.11)	29,403	(22.15)
	Semi-medium	11,136	14,495	(22.72)	16,239	(23.54)	30,733	(23.15)
	Medium	4,875	12,859	(20.16)	13,801	(20.01)	26,660	(20.08)
	Large	848	4,996	(7.83)	6,906	(10.01)	11,902	(8.96)
	<b>Total</b>	<b>103,773</b>	<b>63,797</b>	<b>(100.00)</b>	<b>68,974</b>	<b>(100.00)</b>	<b>132,771</b>	<b>(100.00)</b>
Sugarcane	Marginal	3,763	1,176	(26.34)	272	(41.21)	1,448	(28.25)
	Small	1,356	1,186	(26.56)	156	(23.64)	1,342	(26.19)
	Semi-medium	797	1,162	(26.02)	140	(21.21)	1,303	(25.42)
	Medium	305	761	(17.04)	78	(11.82)	839	(16.37)
	Large	36	180	(4.03)	13	(1.97)	194	(3.79)
	<b>Total</b>	<b>6,256</b>	<b>4,465</b>	<b>(100.00)</b>	<b>660</b>	<b>(100.00)</b>	<b>5,125</b>	<b>(100.00)</b>
Total Fruits	Marginal	8,436	336	(23.17)	493	(29.36)	829	(26.49)
	Small	1,163	357	(24.62)	382	(22.75)	739	(23.62)
	Semi-medium	678	361	(24.90)	367	(21.86)	728	(23.27)
	Medium	281	280	(19.31)	272	(16.20)	552	(17.64)
	Large	48	116	(8.00)	165	(9.83)	282	(9.01)
	<b>Total</b>	<b>10,607</b>	<b>1,450</b>	<b>(100.00)</b>	<b>1,679</b>	<b>(100.00)</b>	<b>3,129</b>	<b>(100.00)</b>
Vegetables	Marginal	9,471	1,041	(37.68)	325	(25.92)	1,366	(34.00)
	Small	1,948	709	(25.66)	275	(21.93)	984	(24.49)
	Semi-medium	1,111	553	(20.01)	289	(23.05)	842	(20.96)
	Medium	483	348	(12.60)	256	(20.41)	605	(15.06)
	Large	88	113	(4.09)	109	(8.69)	222	(5.53)
	<b>Total</b>	<b>13,101</b>	<b>2,763</b>	<b>(100.00)</b>	<b>1,254</b>	<b>(100.00)</b>	<b>4,018</b>	<b>(100.00)</b>
Groundnut	Marginal	1,925	169	(12.34)	592	(15.31)	761	(14.53)
	Small	1,425	300	(21.90)	1,082	(27.98)	1,382	(26.39)
	Semi-medium	1,011	373	(27.23)	1,194	(30.88)	1,568	(29.95)
	Medium	455	375	(27.37)	799	(20.66)	1,174	(22.42)
	Large	69	153	(11.17)	199	(5.15)	351	(6.70)
	<b>Total</b>	<b>4,884</b>	<b>1,370</b>	<b>(100.00)</b>	<b>3,867</b>	<b>(100.00)</b>	<b>5,236</b>	<b>(100.00)</b>
Coconut	Marginal	7,223	208	(29.25)	319	(51.53)	528	(39.70)
	Small	606	162	(22.78)	117	(18.90)	279	(20.98)
	Semi-medium	321	172	(24.19)	85	(13.73)	257	(19.32)
	Medium	116	128	(18.00)	47	(7.59)	175	(13.16)
	Large	13	40	(5.63)	51	(8.24)	91	(6.84)
	<b>Total</b>	<b>8,280</b>	<b>711</b>	<b>(100.00)</b>	<b>619</b>	<b>(100.00)</b>	<b>1,330</b>	<b>(100.00)</b>

(Continued)

2.05 (c) CROPWISE ESTIMATED IRRIGATED AND UNIRRIGATED AREA BY SIZE CLASSES- 2010-11 (Concluded)								
Crop-wise	Size Class	No. of holdings (in `000 units)	Area (in `000 hectare)					
			Irrigated		Unirrigated		Total	
Soyabean	Marginal	1,895	108	(12.20)	833	(10.40)	941	(10.58)
	Small	1,854	196	(22.15)	1,908	(23.82)	2,103	(23.65)
	Semi-medium	1,327	249	(28.14)	2,371	(29.60)	2,620	(29.46)
	Medium	649	255	(28.81)	2,262	(28.24)	2,517	(28.30)
	Large	74	77	(8.70)	635	(7.93)	712	(8.01)
<b>Total</b>		<b>5,799</b>	<b>885</b>	<b>(100.00)</b>	<b>8,010</b>	<b>(100.00)</b>	<b>8,894</b>	<b>(100.00)</b>
Total Oilseeds	Marginal	15,739	1,349	(17.71)	2,399	(13.91)	3,748	(15.07)
	Small	6,016	1,499	(19.68)	4,074	(23.62)	5,573	(22.41)
	Semi-medium	4,158	1,836	(24.10)	4,875	(28.27)	6,711	(26.99)
	Medium	2,073	1,998	(26.23)	4,391	(25.46)	6,389	(25.70)
	Large	347	936	(12.29)	1,505	(8.73)	2,441	(9.82)
<b>Total</b>		<b>28,333</b>	<b>7,618</b>	<b>(100.00)</b>	<b>17,245</b>	<b>(100.00)</b>	<b>24,863</b>	<b>(100.00)</b>
Cotton	Marginal	2,677	246	(8.22)	1,158	(14.34)	1,405	(12.70)
	Small	2,505	501	(16.75)	2,376	(29.43)	2,877	(26.00)
	Semi-medium	1,659	726	(24.27)	2,386	(29.55)	3,112	(28.12)
	Medium	760	982	(32.83)	1,727	(21.39)	2,709	(24.48)
	Large	115	535	(17.89)	427	(5.29)	962	(8.69)
<b>Total</b>		<b>7,716</b>	<b>2,991</b>	<b>(100.00)</b>	<b>8,074</b>	<b>(100.00)</b>	<b>11,065</b>	<b>(100.00)</b>
Jute	Marginal	1,394	236	(57.70)	215	(52.31)	450	(54.88)
	Small	323	125	(30.56)	106	(25.79)	230	(28.05)
	Semi-medium	113	40	(9.78)	63	(15.33)	103	(12.56)
	Medium	18	7	(1.71)	23	(5.60)	30	(3.66)
	Large	1	1	(0.24)	5	(1.22)	6	(0.73)
<b>Total</b>		<b>1,849</b>	<b>409</b>	<b>(100.00)</b>	<b>411</b>	<b>(100.00)</b>	<b>820</b>	<b>(100.00)</b>
Tea	Marginal	106	5	(4.10)	28	(7.55)	32	(6.49)
	Small	38	6	(4.92)	26	(7.01)	31	(6.29)
	Semi-medium	24	3	(2.46)	33	(8.89)	36	(7.30)
	Medium	10	2	(1.64)	25	(6.74)	27	(5.48)
	Large	3	107	(87.70)	260	(70.08)	367	(74.44)
<b>Total</b>		<b>181</b>	<b>122</b>	<b>(100.00)</b>	<b>371</b>	<b>(100.00)</b>	<b>493</b>	<b>(100.00)</b>
Coffee	Marginal	386	1	(5.00)	40	(12.50)	41	(12.06)
	Small	81	1	(5.00)	47	(14.69)	49	(14.41)
	Semi-medium	45	2	(10.00)	58	(18.13)	60	(17.65)
	Medium	22	3	(15.00)	72	(22.50)	75	(22.06)
	Large	6	12	(60.00)	103	(32.19)	115	(33.82)
<b>Total</b>		<b>539</b>	<b>20</b>	<b>(100.00)</b>	<b>320</b>	<b>(100.00)</b>	<b>340</b>	<b>(100.00)</b>
Rubber	Marginal	822	2	(25.00)	197	(38.86)	200	(38.91)
	Small	134	2	(25.00)	131	(25.84)	132	(25.68)
	Semi-medium	50	2	(25.00)	80	(15.78)	82	(15.95)
	Medium	12	1	(12.50)	34	(6.71)	35	(6.81)
	Large	2	1	(12.50)	65	(12.82)	66	(12.84)
<b>Total</b>		<b>1,020</b>	<b>8</b>	<b>(100.00)</b>	<b>507</b>	<b>(100.00)</b>	<b>514</b>	<b>(100.00)</b>

Note : 1) Figures may not exactly tally due to rounding off.  
2) Figures in parantheses indicate percentage share of various size classes to the total area under the specific crop.

Source: *Agriculture Census 2010-11*, Deptt. of Agriculture and Cooperation, Ministry of Agriculture & Farmers Welfare, Govt. of India, New Delhi. ([www.agcensus.nic.in](http://www.agcensus.nic.in))

### 3.00 RAINFALL

3.01 DISTRIBUTION OF AREA ACCORDING TO ANNUAL RAINFALL IN INDIA														
Rainfall amount		Approximate percentage of area receiving rainfall												
Dry	0-750mm	30.0												
Medium	750-1,150mm	42.0												
	1,150-2,000 mm	20.0												
Assured	above 2,000 mm	8.0												
<b>Total</b>		<b>100.0</b>												
3.02 DISTRIBUTION OF ANNUAL RAINFALL ACCORDING TO SEASONS IN INDIA														
Rainfall	Duration	Approximate percentage of annual rainfall												
Pre-Monsoon	March-May	10.4												
South-West Monsoon	June-September	73.7												
Post-Monsoon	October-December	13.3												
Winter or N-E Monsoon	January-February	2.6												
<b>Total</b>		<b>100.0</b>												
Source : Reported from India Meteorological Department, Pune.														
3.03 (a) DISTRIBUTION OF METEOROLOGICAL SUB-DIVISIONS ACCORDING TO EXCESS/NORMAL OR DEFICIENT/SCANTY RAINFALL - SOUTH WEST MONSOON PERIOD (JUNE-SEPTEMBER)														
Item	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
1. Excess/Normal	31	23	32	27	31	33	13	31	33	23	30	24	19	27
2. Deficient/Scanty	5	13	4	9	5	3	23	5	3	13	6	12	17	9
<b>Total</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>
3. % of districts with normal to excess rains	76	56	72	60	72	76	41	69	76	58	72	55	51	68
4. % of normal rainfall *	102	87	99	100	106	98	77	102	101	92	106	88	86	97
Excess = +20% or more, Normal = +19% to -19%, Deficient = -20% to -59% Scanty = -60% or less														
* = Percentage of long term average value														
Source : 1. India Meteorological Department, Pune.														
2. <i>Economic Survey 2015-16</i> , Ministry of Finance, Govt. of India, New Delhi.														



**3.03 (b) PERFORMANCE OF TOTAL RAINFALL IN A YEAR**

Year	Rainfall as % of Long period average	Year	Rainfall as % of Long period average
1979	81	2000	91
1980	104	2001	92
1981	100	2002	81
1982	85	2003	102
1983	113	2004	87
1984	96	2005	99
1985	93	2006	100
1986	87	2007	106
1987	81	2008	98
1988	119	2009	77
1989	101	2010	102
1990	119	2011	101
1991	91	2012	92
1992	93	2013	106
1993	100	2014	88
1994	110	2015	86
1995	100	2016	97
1996	103		
1997	103		
1998	102		
1999	95		

Note : Five most bountiful rain years of the century : 1917-121%, 1933-117%,1961-121%, 1988-119%, 1990-119% and 1994-110%

Source : *Economic Survey - 2015-16*, Ministry of Finance, New Delhi.

**3.04 RESERVOIR STORAGE STATUS**  
(At the end of September)

Item	Unit	2009	2010	2011	2012	2013	2014	2015	2016
1. Number of Reservoirs	No.	81	81	81	84	85	85	91	91
2. Designed Live Storage	BCM	151.77	151.77	151.77	154.42	154.88	155.05	157.80	157.80
3. Storage									
At the end of monsoon season	"	89.84	115.23	131.08	115.26	132.45*	124.61	96.45**	117.20**
4. Percentage of full reservoir									
At the end of monsoon season	%	59.2	76.0	86.4	74.6	85.5*	79.5*	61.1**	74.3**

BCM = Billion cubic meter. @ As on 4 June, 2015 \* = As on 25th Sept. (P) = Provisional.

N.A. = Not available. \*\* = As on 29th Sept.

Source : 1. *Economic Survey - 2015-16*, Ministry of Finance, Govt. of India, New Delhi.

2. Deptt. of Agriculture & Cooperation, Ministry of Agriculture & Farmers Welfare

3.05 LIST OF DISTRICTS HAVING MEAN ANNUAL RAINFALL OF 750-1250 mm AND MOISTURE AVAILABILITY FOR AT LEAST 150 DAYS		
<b>1 Andhra Pradesh</b>	(i) East Godavari (ii) Krishna (iii) Warangal (iv) Srikakulam (v) Visakhapatnam (vi) Khammam (vii) Prakasam (viii) Nellore (ix) Cuddapah	(iv) Hassan (v) Mysore (vi) Gulbarga
<b>2 Bihar</b>	(i) Palamau (ii) Champaran (iii) Dhanbad (iv) Bhagalpur (v) Patna (vi) Rohtas (vii) Gaya (viii) Monghyr	<b>6 Jammu &amp; Kashmir</b> Kargil
<b>3 Gujarat</b>	(i) Surat (ii) Bharuch (iii) Baroda (Vadodara) (iv) Ahmedabad (v) Panchmahal	<b>7 Madhya Pradesh</b> (i) Guna (ii) Bhopal (iii) Satna (iv) Betul (v) Chindwara (vi) Ratlam (vii) Indore (viii) Damoh (ix) West Nimar (x) Gwalior (xi) Morena (xii) East Nimar
<b>4 Haryana</b>	Ambala	<b>8 Maharashtra</b> (i) Nagpur (ii) Kolhapur (iii) Yeotmal (iv) Amravati (v) Buldhana (vi) Akola (vii) Jalgaon (viii) Osmanabad (ix) Aurangabad (x) Parbhani
<b>5 Karnataka</b>	(i) Shimoga (ii) Bidar (iii) Bangalore	<b>9 Odisha \$</b> Ganjam
		<b>10 Punjab</b> Patiala
		<b>11 Rajasthan</b> (i) Jhalawar (ii) Kota
		<b>12 Tamil Nadu</b> (i) Madurai (ii) Madras (iii) North Arcot (iv) Salem (v) Tiruchirapalli
		<b>13 Uttar Pradesh</b> (i) Varanasi (ii) Allahabad (iii) Jhansi (iv) Banda (v) Fatehpur (vi) Jalaun (vii) Kanpur (Rural) (viii) Lucknow (ix) Agra (x) Mainpuri (xi) Hardoi (xii) Bahraich (xiii) Aligarh (xiv) Lakhimpur (xv) Bareilly (xvi) Saharanpur

\$ = from November 2011 (Formerly Orissa).

Source : National Bank News Review - November 1987, NABARD, Mumbai.

3.06 SEASONWISE PERCENTAGE OF ANNUAL RAINFALL IN INDIA						
Sl. No.	Name of the sub-division	Annual rainfall (mm)	Percentage of annual rainfall			
			Jan. to Feb.	March to May	June to Sept.	October to December
1	Bay Islands	2,994.5	2.7	15.0	59.3	23.0
2	Assam (including Manipur & Tripura)	2,516.5	2.3	25.1	65.3	7.3
3	Sub-Himalayan West Bengal	3,126.2	1.0	15.4	78.0	5.6
4	Gangetic West Bengal	1,425.3	2.7	12.4	75.6	9.8
5	Odisha \$	1,482.2	2.7	8.6	76.7	12.0
6	Bihar Plateau	1,372.9	3.9	6.5	82.0	7.6
7	Bihar Plains	1,202.9	2.9	6.1	85.0	6.0
8	Uttar Pradesh, East	1,007.7	3.4	3.0	82.2	5.6
9	Uttar Pradesh, West	964.2	5.1	3.9	87.0	4.0
10	Punjab (including Delhi & Haryana)	624.7	8.6	7.2	80.0	4.2
11	Jammu & Kashmir	994.6	19.2	24.0	47.5	9.3
12	Rajasthan, East	704.1	2.1	2.3	92.5	3.0
13	Rajasthan, West	311.1	3.6	4.9	89.1	2.4
14	Madhya Pradesh, West	1,004.9	2.2	2.2	90.7	5.1
15	Madhya Pradesh, East	1,401.7	3.1	3.5	87.7	5.7
16	Gujarat Region	976.5	0.4	1.3	95.2	3.2
17	Saurashtra and Kutch	482.6	0.9	2.1	93.1	3.8
18	Konkan	2,872.0	0.1	1.2	93.9	4.8
19	Madhya Maharashtra	920.7	0.8	4.1	83.6	11.5
20	Marathwada	773.6	1.5	4.0	83.3	11.0
21	Vidarbha	1,099.6	2.9	3.1	87.0	7.0
22	Coastal Andhra Pradesh	1,008.3	2.3	8.8	56.6	32.3
23	Telangana	926.4	2.1	11.3	81.7	10.0
24	Rayalaseema	677.8	2.2	8.8	54.4	32.0
25	Tamil Nadu	1,008.1	5.3	14.6	33.0	47.1
26	Coastal Karnataka	3,264.8	0.1	4.4	87.7	7.8
27	Interior Karnataka, North	675.0	0.9	12.7	65.2	19.1
28	Interior Karnataka, South	1,244.9	0.8	13.0	97.6	18.5
29	Kerala	2,996.1	1.2	13.5	66.9	18.3
30	Arabian Sea Islands	1,572.4	2.8	13.0	62.3	21.4
<b>Average</b>		<b>1,387.7</b>				

Note :The rainfall figures presented in this Table are based on data for the period 1901-50.  
\$ = from November 2011 (Formerly Orissa).  
Source : Koteswaram, P., *Meteorological and Climatological Aspects of Dryland Farming of India*, Paper presented at the I.C.A.R. workshop on *Dryland Agricultural Research*, Indian Agricultural Research Institute, New Delhi. (September 28 - October 1, 1970)

3.07 YEARS OF DROUGHT IN INDIA			
Year	Area affected (million sq.km.)	% area of the country affected	Category
1876	0.49	15.8	Slight
1877	2.03	64.7	Calamitous
1883	1.03	32.8	Moderate
1884	0.7	22.2	Slight
1885	0.48	15.4	Slight
1891	1.15	36.7	Moderate
1896	0.68	21.7	Slight
1899	1.99	63.4	Calamitous
1901	0.89	28.5	Moderate
1902	0.54	17.1	Slight
1904	0.98	31.1	Moderate
1905	1.09	34.7	Moderate
1907	0.85	27.2	Slight
1911	0.97	30.8	Moderate
1913	0.7	22.3	Slight
1915	0.63	20.2	Slight
1918	2.16	68.7	Calamitous
1920	1.22	38.8	Moderate
1925	0.8	25.5	Slight
1928	0.67	21.4	Slight
1936	0.86	27.6	Slight
1941	1.01	32.3	Moderate
1951	1.04	33.2	Moderate
1952	0.81	25.8	Slight
1965	1.35	42.9	Moderate
1966	1.01	32.3	Moderate
1968	0.45	20.6	Slight
1969	0.62	19.9	Slight
1971	0.42	13.3	Slight
1972	1.39	44.4	Severe
1974	0.92	29.3	Moderate
1979	1.24	39.4	Moderate
1982	1.04	33.1	Moderate
1985	0.95	30.1	Moderate
1986	0.6	19	Slight
1987	1.55	49.2	Severe
2002			Severe
2009			Severe

Source: 1. *Yojana*, June 16-30, 1989, Volume 33, No. 11.  
2. *Monthly Review of the Indian Economy*, October, 2009.

3.08 RAINFALL IN INDIA DURING MARCH 2015- FEBRUARY 2016 ACTUAL COMPARED TO NORMAL - SEASONWISE						
(Unit: mm)						
Sub-division	Pre-monsoon period (1st March 2015 to 31st May 2015)			South-West monsoon period (1st June 2015 to 30th Sept. 2015)		
	Actual	Normal	Excess/ Deficient (%)	Actual	Normal	Excess/ Deficient (%)
1. A & N Islands	473	465	2	1679	1683	0
2. Arunachal Pradesh	637	750	-15	1875	1768	6
3. Assam & Meghalaya	603	590	2	1748	1793	-3
4. Nagaland, Manipur, Mizoram & Tripura	384	494	-22	1050	1497	-30
5. Sub-Himalayan West Bengal & Sikkim	515	457	13	1883	2006	-6
6. Gangetic West Bengal	165	165	0	1265	1168	8
7. Odisha	111	135	-18	1034	1150	-10
8. Jharkhand	102	79	28	942	1092	-14
9. Bihar	104	77	34	742	1028	-28
10. East Uttar Pradesh	80	32	152	472	898	-47
11. West Uttar Pradesh	96	29	230	440	769	-43
12. Uttarakhand	222	156	42	881	1229	-28
13. Haryana, Chandigarh & Delhi	115	34	237	295	466	-37
14. Punjab	115	53	115	336	492	-32
15. Himachal Pradesh	302	245	23	638	825	-23
16. Jammu & Kashmir	579	326	78	614	535	15
17. West Rajasthan	71	19	269	384	263	46
18. East Rajasthan	75	17	333	557	616	-10
19. West Madhya Pradesh	69	13	414	915	876	4
20. East Madhya Pradesh	106	25	321	745	1051	-29
21. Gujarat region	14	6	114	659	901	-27
22. Saurashtra & Kutch and Diu	8	4	109	503	473	6
23. Konkan & Goa	52	37	39	2005	2914	-31
24. Madhya Maharashtra	75	38	100	488	729	-33
25. Marathwada	84	30	176	412	683	-40
26. Vidarbha	107	31	248	848	955	-11
27. Chhattisgarh	71	45	58	1010	1147	-12
28. Coastal Andhra Pradesh	65	97	-33	642	581	10
29. Telangana	109	57	92	601	755	-20
30. Rayalaseema	126	82	54	358	398	-10
31. Tamil Nadu & Puducherry	243	128	90	286	317	-10
32. Coastal Karnataka	207	179	16	2285	3084	-26
33. North Interior Karnataka	125	85	47	357	506	-29
34. South Interior Karnataka	233	145	60	607	660	-8
35. Kerala	465	380	23	1515	2040	-26
36. Lakshadweep	244	232	5	861	999	-14
<b>Country as a whole</b>	<b>181.5</b>	<b>131.5</b>	<b>38</b>	<b>760.6</b>	<b>887.5</b>	<b>-14</b>
Excess : +20% or more		Deficient : -20% to -59%				
Normal : +19% to -19%		Scanty : -60% to -99%				

(Continued)

3.08 RAINFALL IN INDIA DURING MARCH 2015 - FEBRUARY 2016 ACTUAL COMPARED TO NORMAL - SEASONWISE (Concluded)						
(Unit: mm)						
Sub-division	Post monsoon period (1st Oct. 2015 to 31st Dec. 2015)			Winter monsoon period (1st Jan. 2016 to 28th Feb. 2016)		
	Actual	Normal	Excess/ Deficient (%)	Actual	Normal	Excess/ Deficient (%)
1. A & N Islands	618	696	-11	88	83	6
2. Arunachal Pradesh	129	267	-52	104	148	-30
3. Assam & Meghalaya	91	195	-53	35	47	-26
4. Nagaland, Manipur, Mizoram & Tripura	132	243	-46	45	44	3
5. Sub-Himalayan West Bengal & Sikkim	83	185	-55	28	60	-54
6. Gangetic West Bengal	39	160	-76	47	34	37
7. Odisha	47	144	-68	19	32	-41
8. Jharkhand	26	92	-72	18	33	-45
9. Bihar	10	77	-87	10	23	-57
10. East Uttar Pradesh	17	60	-72	7	29	-77
11. West Uttar Pradesh	12	54	-79	4	33	-88
12. Uttarakhand	26	90	-71	35	106	-67
13. Haryana, Chandigarh & Delhi	6	29	-79	1	33	-96
14. Punjab	10	41	-75	13	49	-75
15. Himachal Pradesh	55	108	-49	57	195	-71
16. Jammu & Kashmir	165	132	25	79	213	-63
17. West Rajasthan	1	9	-88	2	7	-77
18. East Rajasthan	6	28	-77	1	11	-91
19. West Madhya Pradesh	12	53	-77	5	14	-62
20. East Madhya Pradesh	40	58	-30	22	35	-37
21. Gujarat region	3	35	-93	0	1	-100
22. Saurashtra & Kutch and Diu	5	29	-84	0	1	-100
23. Konkan & Goa	127	149	-15	0*		-100
24. Madhya Maharashtra	65	108	-40	1	2	-61
25. Marathwada	24	102	-76	3	7	-57
26. Vidarbha	7	82	-91	6	17	-66
27. Chhattisgarh	20	77	-74	9	21	-57
28. Coastal Andhra Pradesh	279	327	-15	3	19	-86
29. Telangana	26	119	-78	1	11	-88
30. Rayalaseema	390	219	78	8	7	22
31. Tamil Nadu & Puducherry	665	438	52	3	31	-89
32. Coastal Karnataka	275	263	5	1	1	-47
33. North Interior Karnataka	69	145	-53	1	4	-77
34. South Interior Karnataka	249	210	19	4	4	-4
35. Kerala	613	481	27	19	24	-20
36. Lakshadweep	555	334	67	72	35	102
<b>Country as a whole</b>	<b>97.8</b>	<b>127.2</b>	<b>-23</b>	<b>17.9</b>	<b>41.4</b>	<b>-57</b>

\* = Rainfall upto 0.4 mm  
Source: India Meteorological Department, Pune.

## 4.00 AREA PRODUCTION AND YIELD OF PRINCIPAL CROPS

4.01 GROSS AREA UNDER SELECTED CROPS - ALL INDIA (1950-51 to 2014-15)								
Year	Rice	Wheat	Jowar	Bajra	Maize	Total cereals	Gram	Total Pulses (incl.gram)
1950-51	30,810	9,746	15,571	9,023	3,159	78,230	7,570	19,091
1951-52	29,830	9,471	15,944	9,519	3,310	78,186	6,830	18,775
1952-53	29,969	9,828	17,539	10,769	3,605	82,243	7,256	19,845
1953-54	31,289	10,681	17,758	12,199	3,869	87,336	7,968	21,729
1954-55	30,764	11,259	17,464	11,366	3,749	85,944	9,248	21,914
1955-56	31,521	12,367	17,362	11,388	3,696	87,344	9,779	23,216
1956-57	32,277	13,524	16,237	11,251	3,758	87,828	9,674	23,316
1957-58	32,298	11,730	17,311	11,169	4,079	86,942	9,091	22,538
1958-59	33,172	12,617	17,960	11,428	4,265	90,453	10,080	24,311
1959-60	33,820	13,380	17,707	10,695	4,344	90,990	10,326	24,833
1960-61	34,128	12,927	18,412	11,469	4,407	92,018	9,276	23,563
1961-62	34,694	13,570	18,249	11,278	4,507	92,989	9,566	24,243
1962-63	35,695	13,590	18,414	10,962	4,643	93,579	9,193	24,265
1963-64	35,809	13,490	18,376	11,103	4,582	93,235	9,354	24,186
1964-65	34,462	13,422	11,356	11,827	4,618	94,237	8,870	23,875
1965-66	35,470	12,571	17,679	11,965	4,799	92,385	8,105	21,718
1966-67	35,251	12,838	18,054	12,239	5,074	93,181	8,003	22,161
1967-68	36,437	14,998	18,423	12,808	5,583	98,772	8,257	22,649
1968-69	36,967	15,958	18,731	12,052	5,716	99,166	7,105	21,264
1969-70	37,680	16,626	18,605	12,493	5,862	1,01,547	7,751	22,023
1970-71	37,592	18,241	17,374	12,913	5,852	1,01,782	7,839	22,534
1971-72	37,758	19,139	16,777	11,773	5,668	1,00,472	7,912	22,151
1972-73	36,688	19,463	15,513	11,817	5,838	91,362	6,967	20,915
1973-74	38,286	18,583	16,716	13,934	6,015	1,03,111	7,761	23,427
1974-75	37,889	18,010	16,189	11,285	5,863	99,051	7,041	22,024
1975-76	39,475	20,454	16,092	11,571	6,031	1,03,727	8,320	24,454
1976-77	38,511	20,922	15,772	10,751	6,000	1,01,373	7,974	22,983
1977-78	40,283	21,456	15,318	11,104	5,688	1,04,018	7,974	23,947
1978-79	40,482	22,641	16,146	11,393	5,760	1,05,352	7,708	23,657
1979-80	39,414	22,172	16,674	10,579	5,720	1,02,947	6,985	22,259
1980-81	40,152	22,279	15,809	11,657	6,005	1,04,210	6,584	22,457
1981-82	40,708	22,144	16,599	11,784	5,935	1,05,295	7,868	23,843
1982-83	38,262	23,567	16,376	10,942	5,720	1,02,262	7,399	22,833
1983-84	41,244	24,672	16,432	11,832	5,859	1,07,621	7,161	23,542
1984-85	41,159	23,565	15,939	10,619	5,800	1,03,936	6,904	22,737
1985-86	41,137	22,997	16,097	10,652	5,797	1,03,605	7,805	24,418
1986-87	41,167	23,131	15,948	11,266	5,923	1,04,039	6,984	23,156
1987-88	38,806	23,063	15,999	8,714	5,561	97,423	5,767	21,272
1988-89	41,736	24,109	14,599	12,046	5,897	1,04,528	6,810	23,146
1989-90	42,167	23,502	14,838	10,900	5,915	1,03,358	6,471	23,415
1990-91	42,687	24,167	14,357	10,476	5,904	1,03,173	7,521	24,662
1991-92	42,649	23,262	12,360	10,028	5,859	99,329	5,580	22,543
1992-93	41,775	24,589	13,041	10,617	5,963	1,00,788	6,454	22,360
1993-94	42,539	25,147	12,710	9,546	5,995	1,00,504	6,359	22,250
1994-95	42,814	25,700	11,514	10,223	6,136	1,00,832	7,543	23,028
1995-96	42,837	25,011	11,326	9,319	5,979	98,732	7,116	22,283
1996-97	43,497	25,955	11,506	10,258	6,398	1,01,852	7,095	23,267
1997-98	43,476	26,696	10,801	9,668	6,321	1,00,976	7,563	22,871
1998-99	44,802	27,523	9,794	9,297	6,204	1,01,666	8,469	23,501
1999-2000	45,162	27,486	10,251	8,897	6,422	1,01,988	6,146	21,116
2000-01	44,712	25,731	9,856	9,829	6,611	1,00,700	5,185	20,348
2001-02	44,904	26,345	9,795	9,529	6,582	1,00,771	6,416	22,008
2002-03	41,176	25,196	9,300	7,740	6,635	93,364	5,906	20,496
2003-04	42,593	26,595	9,331	10,612	7,343	99,988	7,048	23,458
2004-05	41,907	26,383	9,092	9,233	7,430	97,315	6,715	22,763
2005-06	43,660	26,484	8,667	9,581	7,588	99,208	6,926	22,391
2006-07	43,814	27,995	8,473	9,508	7,894	1,00,516	7,494	23,192
2007-08	43,914	28,039	7,764	9,571	8,117	1,00,435	7,544	23,633
2008-09	45,537	27,752	7,531	8,753	8,174	1,00,739	7,893	22,094
2009-10	41,918	28,457	7,787	8,904	8,262	98,051	8,169	23,282
2010-11	42,862	29,069	7,382	9,612	8,553	1,00,270	9,186	26,402
2011-12	44,006	29,865	6,245	8,777	8,782	1,00,293	8,299	24,462
2012-13	42,754	29,995	6,214	7,297	8,673	97,514	8,522	23,257
2013-14 (P)	44,136	30,473	5,793	7,811	9,066	99,829	9,927	25,218
2014-15 (P)	44,111	31,466	6,161	7,318	9,185	1,00,746	8,251	23,553

(P) = Provisional

(Continued)

4.01 GROSS AREA UNDER SELECTED CROPS - ALL INDIA (Concluded)						
(1950-51 to 2014-15)						
Year	Total food-grains	Ground nut	Total Nine * Oil Seeds	Cotton	Jute	Sugar-cane
						('000 hectares)
1950-51	97,321	4,494	10,727	5,882	571	1,707
1951-52	96,961	4,017	11,685	6,556	790	1,939
1952-53	1,02,088	4,796	11,175	6,359	733	1,729
1953-54	1,09,065	4,247	10,993	6,987	494	1,410
1954-55	1,07,856	5,541	12,522	7,546	503	1,618
1955-56	1,10,560	5,133	12,085	8,086	704	1,847
1956-57	1,09,480	5,532	12,494	8,019	772	2,050
1957-58	1,14,764	6,420	12,656	8,014	705	2,073
1958-59	1,15,823	6,251	13,001	7,964	733	1,948
1959-60	1,15,818	6,442	13,954	7,295	682	2,137
1960-61	1,15,581	6,463	13,770	7,610	629	2,415
1961-62	1,17,242	6,896	14,772	7,978	917	2,455
1962-63	1,17,844	7,283	15,335	7,730	847	2,242
1963-64	1,17,421	6,886	14,823	8,221	869	2,249
1964-65	1,18,112	7,376	15,255	8,365	845	2,603
1965-66	1,14,103	7,698	15,248	7,962	758	2,836
1966-67	1,15,302	7,299	14,995	7,836	727	2,301
1967-68	1,21,421	7,553	15,667	7,995	880	2,047
1968-69	1,20,430	7,088	14,472	7,596	527	2,532
1969-70	1,23,570	7,125	14,811	7,731	768	2,749
1970-71	1,24,316	7,326	16,644	7,605	749	2,615
1971-72	1,22,623	7,510	17,274	7,800	815	2,390
1972-73	1,19,277	6,990	15,790	7,679	700	2,452
1973-74	1,26,538	7,024	16,901	7,574	793	2,752
1974-75	1,21,075	7,063	17,313	7,562	694	2,894
1975-76	1,28,181	7,222	16,922	7,350	585	2,762
1976-77	1,24,356	7,043	16,465	6,885	737	2,866
1977-78	1,27,515	7,028	17,167	7,866	797	3,151
1978-79	1,29,009	7,433	17,708	8,119	884	3,088
1979-80	1,25,206	7,165	16,941	8,078	834	2,610
1980-81	1,26,667	6,801	17,603	7,823	941	2,667
1981-82	1,29,138	7,429	17,755	8,057	826	3,358
1982-83	1,25,095	7,215	18,907	7,871	734	3,193
1983-84	1,31,163	7,539	18,689	7,721	760	3,110
1984-85	1,26,673	7,165	18,924	7,382	833	2,953
1985-86	1,28,023	7,125	19,020	7,533	1,146	2,849
1986-87	1,27,195	6,982	18,626	6,950	803	3,080
1987-88	1,19,696	6,844	20,132	6,459	697	3,279
1988-89	1,27,674	8,529	21,897	7,342	691	3,329
1989-90	1,26,773	8,710	22,800	7,695	677	3,438
1990-91	1,27,835	8,309	24,148	7,440	778	3,686
1991-92	1,21,871	8,668	25,886	7,661	875	3,844
1992-93	1,23,148	8,166	25,236	7,542	727	3,572
1993-94	1,22,754	8,322	26,897	7,321	695	3,422
1994-95	1,23,860	7,849	25,304	7,871	739	3,867
1995-96	1,21,015	7,524	25,964	9,035	737	4,147
1996-97	1,25,119	7,713	26,338	9,121	897	4,174
1997-98	1,23,847	7,088	26,124	8,868	906	3,930
1998-99	1,25,167	7,396	26,229	9,342	848	4,055
1999-2000	1,23,104	6,867	24,282	8,710	847	4,220
2000-01	1,21,048	6,559	22,770	8,535	828	4,316
2001-02	1,22,780	6,238	22,636	9,132	873	4,412
2002-03	1,13,860	5,936	21,489	7,670	865	4,520
2003-04	1,23,447	5,987	23,663	7,598	849	3,938
2004-05	1,20,078	6,640	27,523	8,787	774	3,662
2005-06	1,21,600	6,736	27,863	8,677	760	4,202
2006-07	1,23,708	5,615	26,513	9,145	793	5,151
2007-08	1,24,068	6,292	26,693	9,414	814	5,055
2008-09	1,22,834	6,165	27,558	9,407	786	4,415
2009-10	1,21,334	5,478	25,959	10,132	811	4,175
2010-11	1,26,671	5,856	27,224	11,235	774	4,885
2011-12	1,24,755	5,264	26,308	12,178	809	5,038
2012-13	1,20,771	4,721	26,484	11,977	777	4,999
2013-14 (P)	1,25,047	5,505	28,050	11,960	756	4,993
2014-15 (P)	1,24,299	4,769	25,596	12,819	750	5,067

\* = years prior to 1961-62 cover 5 oilseeds.

(P) = Provisional.

Source: Directorate of Economics &amp; Statistics, Ministry of Agriculture &amp; Farmers Welfare, Govt of India, New Delhi.



4.02 PRODUCTION OF SELECTED CROPS - ALL INDIA (1950-51 to 2015-16)								(000 tonnes)
Year	Rice*	Wheat	Jowar	Bajra	Maize	Total cereals	Gram	Total pulses (incl.gram)
1950-51	20,576	6,462	5,495	2,595	1,729	42,414	3,651	8,411
1951-52	21,300	6,183	6,077	2,346	2,076	48,576	3,387	3,420
1952-53	22,892	7,501	7,359	3,192	2,870	50,012	4,208	9,189
1953-54	21,214	8,017	8,082	4,547	3,039	59,203	4,832	14,918
1954-55	25,219	9,043	9,201	3,519	2,975	57,085	5,621	10,950
1955-56	27,557	8,760	6,726	3,428	2,602	55,805	5,418	11,045
1956-57	29,037	9,403	7,237	2,873	3,078	58,304	6,231	11,551
1957-58	25,525	7,998	8,635	3,620	3,150	54,745	4,890	9,562
1958-59	30,847	9,958	9,033	3,868	3,463	63,992	7,023	13,149
1959-60	31,676	10,324	8,579	3,493	4,073	64,872	5,618	11,799
1960-61	34,574	10,997	9,814	3,283	4,080	69,314	6,250	12,704
1961-62	35,663	12,072	8,029	3,645	4,312	70,951	5,785	11,755
1962-63	33,217	10,776	9,748	3,959	4,607	68,623	5,362	11,528
1963-64	36,998	9,853	9,198	3,878	4,561	70,569	4,502	10,073
1964-65	39,308	12,257	9,683	4,519	4,664	76,939	5,777	12,417
1965-66	30,589	10,395	7,581	3,752	4,823	62,403	4,224	9,944
1966-67	30,438	11,393	9,224	4,463	4,894	65,884	3,662	8,347
1967-68	37,612	16,540	10,048	5,185	6,270	82,950	5,971	12,102
1968-69	39,761	18,615	9,805	3,802	5,701	83,595	4,309	10,418
1969-70	40,430	20,093	9,721	5,327	5,674	87,810	5,546	11,691
1970-71	42,225	23,832	8,105	8,029	7,486	96,604	5,199	11,818
1971-72	43,068	26,410	7,722	5,139	5,101	94,074	5,081	11,094
1972-73	39,245	24,735	6,968	3,928	6,388	87,119	4,537	9,907
1973-74	44,051	21,778	9,097	7,519	5,803	94,657	4,099	10,008
1974-75	39,579	24,104	10,414	3,272	5,559	89,812	4,015	10,104
1975-76	48,470	28,846	9,504	5,736	7,256	1,07,995	5,879	13,039
1976-77	41,917	29,010	10,524	5,853	6,461	99,806	5,424	11,361
1977-78	52,671	31,328	12,064	4,730	5,973	1,14,434	5,410	11,973
1978-79	53,773	35,508	11,436	5,567	6,199	1,19,719	5,739	12,183
1979-80	42,330	31,830	11,648	3,948	5,603	1,01,129	3,356	8,572
1980-81	53,631	36,313	10,431	5,343	6,957	1,18,962	4,328	10,627
1981-82	53,248	37,452	12,062	5,537	6,897	1,21,788	4,642	11,507
1982-83	47,116	42,794	10,753	5,131	6,549	1,17,662	5,290	11,857
1983-84	60,097	45,476	11,919	7,726	7,922	1,39,480	4,751	12,894
1984-85	58,336	44,069	11,402	6,047	8,442	1,33,576	4,562	11,963
1985-86	63,825	47,052	10,197	3,664	6,644	1,37,079	5,788	13,361
1986-87	60,557	44,323	9,185	4,514	7,593	1,31,711	4,532	11,707
1987-88	56,862	46,169	12,196	3,298	5,271	1,29,392	3,626	10,962
1988-89	70,489	54,110	10,170	7,780	8,229	1,56,073	5,129	13,849
1989-90	73,573	49,850	12,898	6,649	9,651	1,58,179	4,217	12,858
1990-91	74,291	55,135	11,681	6,894	8,962	1,62,125	5,356	14,265
1991-92	74,678	55,690	8,099	4,665	8,064	1,56,359	4,121	12,015
1992-93	72,868	57,210	12,806	8,881	9,992	1,66,669	4,417	12,815
1993-94	80,298	59,840	11,415	4,974	9,601	1,70,956	4,981	13,305
1994-95	81,814	65,767	8,965	7,159	8,884	1,77,458	6,436	14,038
1995-96	76,975	62,097	9,327	5,381	9,534	1,68,105	4,979	12,310
1996-97	81,737	69,350	10,934	7,865	10,769	1,85,192	5,566	14,244
1997-98	82,535	66,345	7,528	7,644	10,816	1,79,279	6,132	13,830
1998-99	86,077	71,288	8,415	6,956	11,148	1,88,700	6,801	14,907
1999-00	89,683	76,369	8,685	5,782	11,510	1,96,383	5,118	13,418
2000-01	84,977	69,681	7,529	6,759	12,043	1,85,739	3,855	11,076
2001-02	93,340	72,766	7,557	8,284	13,160	1,99,483	5,473	13,368
2002-03	71,820	65,761	7,012	4,776	11,152	1,63,646	4,237	11,125
2003-04	88,526	72,156	6,681	12,109	14,984	1,98,284	5,718	14,905
2004-05	83,132	68,637	7,244	7,931	14,172	1,85,233	5,469	13,130
2005-06	91,793	69,355	7,630	7,684	14,710	1,95,217	5,600	13,384
2006-07	93,355	75,807	7,151	8,424	15,097	2,03,085	6,334	14,198
2007-08	96,682	78,570	7,926	9,970	18,955	2,16,003	5,749	14,762
2008-09	99,172	80,679	7,246	8,887	19,731	2,19,889	7,060	14,566
2009-10	89,083	80,804	6,698	6,506	16,720	2,03,436	7,476	14,662
2010-11	95,970	86,874	7,003	10,370	21,726	2,26,241	8,221	18,241
2011-12	1,05,301	94,882	5,979	10,276	21,759	2,42,197	7,702	17,089
2012-13	1,05,241	93,507	5,282	8,742	22,258	2,38,792	8,833	18,343
2013-14	1,06,646	95,850	5,542	9,250	24,260	2,45,790	9,526	19,255
2014-15	1,05,482	86,527	5,445	9,184	24,173	2,34,871	7,332	17,152
2015-16 (P)	1,04,320	93,500	4,410	8,060	21,810	2,35,760	7,170	16,470

P = Provisional      T = Target      \* = Cleaned rice.

(Continued)

4.02 PRODUCTION OF SELECTED CROPS - ALL INDIA (1950-51 to 2015-16) (Concluded)							( <sup>000</sup> tonnes)
Year	Total food-grains	Ground nut	Total Nine Oil Seeds	Cotton@	Jute#	Sugar-cane	
1950-51	50,825	3,481	5,158	3,044	3,309	57,051	
1951-52	51,996	3,192	5,028	3,276	4,715	61,634	
1952-53	59,201	2,929	4,734	3,341	4,629	50,996	
1953-54	69,821	3,445	5,370	4,125	3,116	44,411	
1954-55	68,035	4,245	6,399	4,445	2,952	58,739	
1955-56	68,850	3,862	5,734	4,181	4,232	60,543	
1956-57	69,855	4,369	6,364	4,924	4,323	69,051	
1957-58	64,311	4,710	6,350	4,962	4,015	71,155	
1958-59	77,141	5,178	7,298	4,879	5,199	73,358	
1959-60	76,672	4,562	6,556	3,676	5,534	77,817	
1960-61	82,018	4,812	6,982	5,604	4,134	1,10,001	
1961-62	82,706	4,994	7,284	4,850	6,358	1,03,967	
1962-63	80,151	5,036	7,388	5,536	5,442	91,913	
1963-64	80,642	5,298	7,133	5,747	6,079	1,04,225	
1964-65	89,356	6,004	8,563	6,011	6,064	1,21,909	
1965-66	72,347	4,263	6,396	4,852	4,476	1,23,990	
1966-67	74,231	4,411	6,425	5,266	5,358	92,686	
1967-68	95,052	5,731	8,303	5,777	6,320	95,500	
1968-69	94,013	4,681	6,845	5,447	2,931	1,24,676	
1969-70	99,501	5,130	7,734	5,564	5,618	1,35,024	
1970-71	1,08,422	6,111	9,630	4,763	4,938	1,26,368	
1971-72	1,05,168	6,181	9,083	6,950	5,684	1,13,570	
1972-73	97,029	4,092	7,137	5,735	4,978	1,24,867	
1973-74	1,04,665	5,932	9,389	6,309	6,220	1,40,289	
1974-75	99,826	5,111	9,152	7,156	4,471	1,44,289	
1975-76	1,21,034	6,754	10,607	5,950	4,440	1,40,604	
1976-77	1,11,167	5,264	8,428	5,839	5,353	1,53,007	
1977-78	1,26,407	6,087	9,662	7,242	5,261	1,76,966	
1978-79	1,31,902	6,208	10,100	7,958	6,470	1,51,655	
1979-80	1,09,701	5,768	8,739	7,698	6,072	1,28,833	
1980-81	1,29,589	5,005	9,372	7,010	6,508	1,54,248	
1981-82	1,33,295	7,223	12,080	7,884	6,788	1,86,358	
1982-83	1,29,519	5,282	9,995	7,534	5,946	1,89,506	
1983-84	1,52,374	7,085	12,692	6,387	6,325	1,74,076	
1984-85	1,45,539	6,438	12,946	8,507	6,531	1,70,319	
1985-86	1,50,440	5,121	10,833	8,728	10,886	1,70,648	
1986-87	1,43,418	5,875	11,270	6,905	7,353	1,86,089	
1987-88	1,40,353	5,854	12,655	6,382	5,793	1,96,737	
1988-89	1,69,922	9,659	18,033	8,744	6,710	2,03,037	
1989-90	1,71,036	8,101	16,924	11,422	7,072	2,25,569	
1990-91	1,76,390	7,515	18,609	9,842	7,917	2,41,046	
1991-92	1,68,373	7,095	18,600	9,714	8,936	2,53,995	
1992-93	1,79,483	8,565	20,107	11,403	7,495	2,28,033	
1993-94	1,84,260	7,829	21,496	10,741	7,360	2,29,659	
1994-95	1,91,495	8,062	21,337	11,888	7,997	2,75,540	
1995-96	1,80,415	7,579	22,106	12,861	7,675	2,81,100	
1996-97	1,99,436	8,643	24,385	14,231	9,961	2,77,560	
1997-98	1,93,120	7,372	21,325	10,851	9,960	2,79,541	
1998-99	2,03,607	8,982	24,748	12,287	8,837	2,88,722	
1999-00	2,09,802	5,258	20,716	11,530	9,428	2,99,324	
2000-01	1,96,814	6,408	18,437	9,524	9,317	2,95,956	
2001-02	2,12,851	7,028	20,662	9,997	10,584	2,97,208	
2002-03	1,74,771	4,121	14,838	8,624	10,274	2,87,383	
2003-04	2,13,189	8,127	25,186	13,729	10,252	2,33,862	
2004-05	1,98,363	6,774	24,354	16,429	9,399	2,37,088	
2005-06	2,08,602	7,993	27,978	18,499	9,970	2,81,172	
2006-07	2,17,282	4,864	24,289	22,632	10,317	3,55,520	
2007-08	2,30,765	9,183	29,755	25,884	10,220	3,48,188	
2008-09	2,34,456	7,168	27,719	22,276	9,634	2,85,029	
2009-10	2,18,098	5,429	24,882	24,022	11,230	2,92,302	
2010-11	2,44,482	8,266	32,477	33,000	10,009	3,42,382	
2011-12	2,59,286	6,964	29,799	35,200	10,736	3,61,037	
2012-13	2,57,135	4,694	30,940	34,220	10,340	3,41,200	
2013-14	2,65,045	9,714	32,749	35,902	11,083	3,52,142	
2014-15	2,52,023	7,402	27,511	34,805	10,618	3,62,333	
2015-16 (P)	2,52,220	6,771	25,304	30,147	9,938	3,52,163	

@ = <sup>000</sup> bales of 170 kg. each. # = <sup>000</sup> bales of 180 kg. each. P= Provisional  
Source: Directorate of Economics and Statistics, Ministry of Agriculture & Farmers Welfare, Govt. of India, New Delhi.

4.03 AVERAGE YIELD PER HECTARE OF SELECTED CROPS - ALL INDIA (1950-51 to 2014-15)								
Year	Rice	Wheat	Jowar	Bajra	Maize	Total cereals	Gram	Total pulses (incl.gram)
1950-51	668	663	353	288	547	542	482	441
1951-52	714	653	381	246	627	557	496	448
1952-53	764	763	420	296	796	608	580	463
1953-54	902	750	455	373	785	678	606	489
1954-55	820	803	527	310	794	664	608	500
1955-56	874	708	387	302	704	639	504	476
1956-57	800	695	451	255	819	664	644	495
1957-58	790	682	499	324	772	630	538	424
1958-59	930	789	503	338	812	707	697	541
1959-60	937	772	484	327	938	713	544	475
1960-61	1,013	851	533	286	926	753	674	539
1961-62	1,028	890	440	323	957	763	609	485
1962-63	931	793	529	361	992	733	483	475
1963-64	1,034	730	501	349	995	757	481	416
1964-65	1,078	913	536	383	1,010	816	651	520
1965-66	862	827	429	314	1,005	675	527	438
1966-67	863	887	511	365	964	707	453	377
1967-68	1,032	1,103	545	405	1,123	840	721	534
1968-69	1,076	1,169	528	316	997	843	607	490
1969-70	1,073	1,202	522	426	968	865	715	531
1970-71	1,123	1,307	466	622	1,279	949	663	524
1971-72	1,141	1,380	460	432	900	936	642	501
1972-73	1,070	1,271	449	333	1,094	886	651	474
1973-74	1,151	1,172	544	540	965	918	528	427
1974-75	1,045	1,388	643	290	948	907	570	455
1975-76	1,235	1,410	591	496	1,203	1,041	707	533
1976-77	1,088	1,387	667	544	1,060	985	680	494
1977-78	1,308	1,480	739	426	1,051	1,100	678	510
1978-79	1,328	1,568	768	489	1,076	1,136	745	515
1979-80	1,074	1,436	699	373	979	982	481	385
1980-81	1,336	1,630	660	458	1,159	1,142	657	473
1981-82	1,308	1,691	727	470	1,162	1,157	590	483
1982-83	1,231	1,816	657	469	1,145	1,151	715	519
1983-84	1,457	1,843	725	653	1,352	1,296	663	548
1984-85	1,417	1,870	715	569	1,456	1,285	661	526
1985-86	1,552	2,048	633	344	1,146	1,323	742	547
1986-87	1,471	1,916	576	401	1,282	1,266	649	506
1987-88	1,465	2,002	762	378	1,029	1,315	629	515
1988-89	1,689	2,244	697	646	1,395	1,493	753	598
1989-90	1,745	2,121	869	610	1,632	1,530	652	549
1990-91	1,740	2,281	814	658	1,518	1,571	712	578
1991-92	1,751	2,394	655	465	1,376	1,574	739	533
1992-93	1,744	2,327	982	836	1,676	1,654	684	573
1993-94	1,888	2,380	898	521	1,602	1,701	783	598
1994-95	1,911	2,559	779	700	1,448	1,760	853	610
1995-96	1,797	2,483	823	577	1,595	1,703	700	552
1996-97	1,882	2,679	956	788	1,720	1,831	813	635
1997-98	1,900	2,485	697	791	1,711	1,775	811	567
1998-99	1,921	2,590	859	748	1,797	1,856	803	634
1999-2000	1,986	2,778	847	650	1,792	1,926	833	635
2000-01	1,901	2,708	764	688	1,822	1,844	744	544
2001-02	2,079	2,762	771	869	2,000	1,980	853	607
2002-03	1,744	2,610	754	610	1,681	1,753	717	543
2003-04	2,078	2,713	716	1,141	2,041	1,983	811	635
2004-05	1,984	2,602	797	859	1,907	1,903	815	577
2005-06	2,102	2,619	880	802	1,938	1,968	808	598
2006-07	2,131	2,708	844	886	1,912	2,020	845	612
2007-08	2,202	2,802	1,021	1,042	2,335	2,151	762	625
2008-09	2,178	2,907	962	1,015	2,414	2,183	895	659
2009-10	2,125	2,839	860	731	2,024	2,075	915	630
2010-11	2,239	2,989	949	1,079	2,540	2,256	895	691
2011-12	2,393	3,177	957	1,171	2,478	2,415	928	699
2012-13	2,462	3,117	850	1,198	2,566	2,449	1,036	789
2013-14	2,416	3,145	957	1,184	2,676	2,462	960	764
2014-15	2,391	2,750	884	1,255	2,632	2,331	889	728

(Continued)

4.03 AVERAGE YIELD PER HECTARE OF SELECTED CROPS - ALL INDIA (Concluded)						
(1950-51 to 2014-15)						
Year	Total food-grains	Ground nut	Total Nine Oil Seeds	Cotton	Jute	(Kg.) Sugar-cane
1950-51	522	775	481	88	1,043	33,422
1951-52	536	649	430	85	1,074	31,786
1952-53	580	611	424	89	1,135	29,495
1953-54	640	811	488	100	1,129	31,497
1954-55	631	766	511	100	1,056	36,203
1955-56	605	752	474	88	1,082	32,779
1956-57	629	783	509	104	1,008	33,683
1957-58	587	734	602	105	1,025	34,325
1958-59	672	828	561	104	1,277	37,658
1959-60	662	708	470	86	1,197	36,414
1960-61	710	745	507	125	1,183	45,549
1961-62	705	725	493	100	1,248	42,349
1962-63	680	695	482	122	1,156	40,996
1963-64	687	769	481	119	1,260	46,353
1964-65	757	814	561	122	1,292	46,838
1965-66	629	554	419	104	1,062	43,717
1966-67	644	604	428	114	1,210	40,336
1967-68	783	759	530	123	1,293	76,665
1968-69	781	653	473	122	1,002	49,236
1969-70	805	720	522	122	1,326	49,121
1970-71	872	834	579	106	1,186	48,322
1971-72	858	823	526	151	1,255	47,511
1972-73	813	585	452	127	1,280	50,933
1973-74	827	845	555	142	1,412	51,163
1974-75	824	724	529	161	1,211	49,855
1975-76	944	935	627	138	1,367	50,903
1976-77	894	747	512	144	1,307	53,383
1977-78	991	886	563	157	1,210	56,160
1978-79	1,022	835	570	167	1,317	49,141
1979-80	876	805	516	162	1,310	49,354
1980-81	1,023	736	532	152	1,245	57,844
1981-82	1,032	972	639	166	1,480	53,859
1982-83	1,035	732	563	163	1,458	56,441
1983-84	1,162	940	679	141	1,498	55,978
1984-85	1,149	898	684	196	1,411	57,873
1985-86	1,175	719	570	197	1,710	59,898
1986-87	1,128	841	605	169	1,649	60,444
1987-88	1,173	855	629	168	1,496	60,006
1988-89	1,331	1,132	824	202	1,748	60,992
1989-90	1,349	930	742	252	1,879	65,612
1990-91	1,380	904	771	225	1,833	65,395
1991-92	1,382	818	719	216	1,837	66,069
1992-93	1,457	1,049	797	257	1,857	63,843
1993-94	1,501	941	799	249	1,907	67,120
1994-95	1,546	1,027	843	257	1,949	71,254
1995-96	1,491	1,007	851	242	1,875	67,784
1996-97	1,614	1,138	926	265	1,998	66,496
1997-98	1,552	1,040	816	208	1,978	71,134
1998-99	1,627	1,214	944	224	1,875	76,533
1999-2000	1,704	766	853	225	2,005	70,935
2000-01	1,626	977	810	190	2,026	68,577
2001-02	1,734	1,127	913	186	2,182	67,370
2002-03	1,535	694	691	191	2,139	63,576
2003-04	1,727	1,357	1,064	307	2,173	59,380
2004-05	1,652	1,020	885	318	2,186	64,752
2005-06	1,715	1,187	1,004	362	2,362	66,919
2006-07	1,756	866	916	421	2,342	69,022
2007-08	1,860	1,459	1,115	467	2,260	68,877
2008-09	1,909	1,163	1,006	403	2,207	64,553
2009-10	1,798	991	958	403	2,492	70,020
2010-11	1,930	1,411	1,193	499	2,329	70,091
2011-12	2,078	1,323	1,133	491	2,389	71,668
2012-13	2,129	994	1,168	486	2,396	68,254
2013-14	2,120	1,765	1,168	510	2,639	70,522
2014-15	2,028	1,552	1,075	462	2,549	71,511

Source : Directorate of Economics and Statistics, Ministry of Agriculture & Farmers Welfare, Govt. N.Delhi.

4.04 SEASONWISE AREA, PRODUCTION AND AVERAGE YIELD OF FOODGRAINS — ALL INDIA									
1967-68 to 2015-16									
Year	Kharif foodgrains			Rabi foodgrains			Total foodgrains		
	Area (million hectares)	Production (million tonnes)	Yield (kg/ hectare)	Area (million hectares)	Production (million tonnes)	Yield (kg/ hectare)	Area (million hectares)	Production (million tonnes)	Yield (kg/ hectare)
1967-68	81.49	60.76	746	39.93	34.29	859	121.42	95.05	783
1968-69	80.40	59.57	741	40.03	34.44	860	120.43	94.01	781
1969-70	82.30	62.35	758	41.27	37.15	900	123.57	99.50	805
1970-71	82.36	68.92	837	41.96	39.51	942	124.32	108.42	872
1971-72	79.22	62.99	795	43.40	42.18	972	122.62	105.17	858
1972-73	78.34	58.64	749	40.94	38.39	938	119.28	97.03	813
1973-74	84.12	67.83	806	42.42	36.83	868	126.54	104.67	827
1974-75	79.74	59.10	741	41.34	40.73	985	121.08	99.83	824
1975-76	83.15	73.89	889	45.03	41.75	1,047	128.18	121.03	944
1976-77	81.18	66.53	819	43.17	44.64	1,034	124.36	111.17	894
1977-78	82.88	77.72	938	44.64	48.69	1,091	127.52	126.41	991
1978-79	82.85	78.08	942	46.16	53.83	1,166	129.01	131.90	1,022
1979-80	80.79	63.25	783	44.41	46.45	1,046	125.21	109.70	876
1980-81	83.21	77.65	933	43.46	51.94	1,195	126.67	129.59	1,023
1981-82	83.93	79.38	946	45.21	53.92	1,193	129.14	133.30	1,032
1982-83	79.08	69.90	884	46.01	59.62	1,296	125.09	129.52	1,035
1983-84	84.14	89.23	1,061	47.02	63.14	1,343	131.16	152.37	1,162
1984-85	81.18	84.52	1,041	45.50	61.02	1,341	126.67	145.54	1,149
1985-86	81.80	85.25	1,042	46.22	65.19	1,281	128.02	150.44	1,175
1986-87	81.46	80.20	985	45.74	63.22	1,382	127.20	143.42	1,128
1987-88	74.89	74.56	996	44.80	65.79	1,468	119.69	140.35	1,173
1988-89	82.03	95.64	1,166	45.64	74.28	1,628	127.67	169.92	1,331
1989-90	81.40	100.99	1,241	45.37	70.05	1,544	126.77	171.04	1,349
1990-91	80.78	99.44	1,231	47.06	76.95	1,635	127.83	176.39	1,380
1991-92	78.02	91.59	1,174	43.85	76.79	1,751	121.87	168.38	1,382
1992-93	77.92	101.47	1,302	45.23	78.01	1,725	123.15	179.48	1,457
1993-94	75.81	100.40	1,324	46.94	83.86	1,787	122.75	184.26	1,501
1994-95	75.19	101.07	1,344	48.67	90.43	1,857	123.86	191.50	1,546
1995-96	73.60	95.12	1,292	47.42	85.30	1,799	121.01	180.42	1,491
1996-97	75.34	103.92	1,379	48.24	95.52	1,980	123.58	199.44	1,614
1997-98	74.15	101.58	1,370	49.70	90.68	1,825	123.85	192.26	1,552
1998-99	73.99	102.91	1,391	51.18	100.70	1,967	125.17	203.61	1,627
1999-2000	73.24	105.51	1,441	49.87	104.29	2,091	123.10	209.80	1,704
2000-01	75.22	102.09	1,357	45.83	94.72	2,067	121.05	196.81	1,626
2001-02	74.23	112.07	1,510	48.55	100.78	2,076	122.78	212.85	1,734
2002-03	68.56	87.22	1,272	45.30	87.55	1,933	113.86	174.77	1,535
2003-04	75.44	117.00	1,551	48.01	96.19	2,004	123.45	213.19	1,727
2004-05	72.26	103.31	1,430	47.82	95.05	1,988	120.08	198.36	1,652
2005-06	72.72	109.87	1,511	48.88	98.73	2,020	121.60	208.60	1,715
2006-07	72.67	110.57	1,522	51.04	106.71	2,091	123.71	217.28	1,756
2007-08	73.58	120.96	1,644	50.49	109.82	2,174	124.07	230.78	1,860
2008-09	71.45	118.17	1,654	51.39	116.28	2,263	122.83	234.45	1,909
2009-10	69.51	103.99	1,496	51.83	114.11	2,202	121.33	218.10	1,798
2010-11	72.39	120.81	1,669	54.28	123.67	2,278	126.67	244.48	1,930
2011-12	72.07	131.23	1,821	52.69	128.05	2,430	124.75	259.29	2,078
2012-13	67.69	128.08	1,892	53.08	129.05	2,431	120.77	257.13	2,129
2013-14	69.06	128.69	1,864	55.99	136.35	2,435	125.05	265.05	2,120
2014-15	68.77	128.06	1,862	55.52	123.96	2,232	124.30	252.02	2,028
2015-16(P)		124.01			128.21			252.22	

Note:1. Kharif foodgrains include Rice (Autumn & Winter), Jowar (Kharif), Bajra, Maize, Ragi, Small Millets and other Kharif pulses. (T) = Target (P) = Provisional  
2. Rabi foodgrains include Rice (Summer), Jowar (Rabi), Barley, Gram and other Rabi pulses.  
Source : Directorate of Economics & Statistics, Ministry of Agriculture & Farmers Welfare, Govt. of India, New Delhi.

4.05 STATE-WISE AREA, PRODUCTION AND AVERAGE YIELD PER HECTARE OF PRINCIPAL CROPS - 2014-15 (Provisional)										
A = Area in '000 hectares P = Production in '000 tonnes Y = Yield in kg/hectare										
Zone/State	Area/ Prod./ Yield	Rice*	Wheat	Jowar	Bajra	Maize	Ragi	Small millets	Barley	Total Cereals
<b>East</b>										
Arunachal Pradesh	A	127.2	3.8	-	-	48.0	-	26.0	-	205.0
	P	285.0	7.5	-	-	75.0	-	27.0	-	394.5
	Y	2,241	1,974	-	-	1,563	-	1,038	-	1,924
Assam	A	2,495.3	23.7	-	-	28.0	-	5.3	-	2,552.2
	P	5,222.7	28.8	-	-	93.2	-	3.2	-	5,347.8
	Y	2,093	1,216	-	-	3,333	-	603	-	2,095
Bihar	A	3,263.4	2,154.4	1.5	3.3	706.5	6.7	2.6	12.1	6,150.5
	P	6,356.7	3,987.0	1.6	3.7	2,340.5	9.8	2.0	13.4	12,714.7
	Y	1,948	1,851	1,069	1,134	3,313	1,473	759	1,109	2,067
Jharkhand	A	1,502.2	171.1	0.5	0.2	269.8	13.9	-	-	1,957.8
	P	3,361.9	330.4	0.3	0.1	475.6	11.7	-	-	4,180.0
	Y	2,238	1,931	537	500	1,763	838	-	-	2,135
Manipur	A	224.5	2.2	-	-	26.2	-	-	-	252.9
	P	334.11	5.6	-	-	58.8	-	-	-	398.5
	Y	1488.24	2,602	-	-	2,243	-	-	-	1,576
Meghalaya	A	110.3	0.4	-	-	18.0	-	2.9	-	131.7
	P	298.2	0.8	-	-	40.8	-	2.7	-	342.5
	Y	2,703	1,909	-	-	2,259	-	920	-	2,601
Mizoram	A	36.9	-	-	-	5.7	-	-	-	42.6
	P	60.7	-	-	-	8.6	-	-	-	69.3
	Y	1,643	-	-	-	1,515	-	-	-	1,626
Nagaland	A	195.2	3.1	0.2	0.7	68.8	0.3	8.7	0.5	277.6
	P	454.2	5.6	0.2	0.7	135.9	0.3	9.7	0.5	607.2
	Y	2,326	1,824	958	1,014	1,975	938	1,122	1,019	2,188
Odisha \$	A	4,166.3	0.4	6.7	2.4	91.7	51.5	20.8	-	4,339.6
	P	8,298.2	0.7	4.2	1.4	188.2	38.0	10.5	-	8,541.1
	Y	1,992	1,650	626	613	2,053	739	503	-	1,968
Sikkim	A	11.0	0.4	-	-	39.9	3.7	3.0	0.5	58.5
	P	20.1	0.4	-	-	68.9	3.6	3.0	0.5	96.4
	Y	1,818	1,077	-	-	1,727	962	1,003	1,020	1,649
Tripura	A	257.3	0.1	-	-	4.5	-	-	-	261.9
	P	747.0	0.3	-	-	5.9	-	-	-	753.1
	Y	2,903	2,143	-	-	1,303	-	-	-	2,875
West Bengal	A	5,376.0	334.6	0.00	0.2	152.4	10.1	1.6	2.0	5,877.0
	P	14,677.2	939.3	0.01	0.1	663.1	11.1	1.6	3.0	16,295.3
	Y	2,730	2,807	3,333	313	4,350	1,095	988	1,500	2,773
<b>North</b>										
Haryana	A	1,287.0	2,601.0	50.0	383.0	8.0	-	-	33.0	4,362.0
	P	4,006.0	10,354.0	26.0	670.0	18.0	-	-	105.0	15,179.0
	Y	3,113	3,981	520	1,749	2,250	-	-	3,182	3,480
Himachal Pradesh	A	72.5	330.4	-	0.7	292.6	1.9	4.4	21.7	724.2
	P	125.2	646.5	-	0.4	579.0	1.9	3.0	37.8	1,393.8
	Y	1,728	1,957	-	537	1,979	985	684	1,739	1,925
Jammu & Kashmir	A	276.4	321.0	-	15.8	298.9	8.8	5.6	6.7	933.0
	P	517.2	314.3	-	9.4	360.0	4.2	2.0	4.0	1,211.1
	Y	1,871	979	-	594	1,204	473	360	602	1,298
Punjab	A	2,894.0	3,505.0	-	-	126.0	-	-	11.0	6,536.0
	P	11,107.0	15,050.0	-	-	460.0	-	-	39.4	26,656.4
	Y	3,838	4,294	-	-	3,651	-	-	3,582	4,078
Uttar Pradesh	A	5,872.0	9,846.0	164.0	952.0	717.0	-	7.0	170.0	17,728.0
	P	12,167.9	22,417.4	163.0	1,808.0	1,279.0	-	5.0	315.0	38,155.3
	Y	2,072	2,277	994	1,899	1,784	-	714	1,853	2,152

\* = Cleaned rice.

(Continued)

4.05 STATE-WISE AREA, PRODUCTION AND AVERAGE YIELD PER HECTARE OF PRINCIPAL CROPS - 2014-15 (Provisional) (Continued)											
A = Area in '000 hectares P = Production in '000 tonnes Y = Yield in kg/hectare											
Zone/State	Area/ Prod./ Yield	Gram	Tur (Arhar)	Total Pulses	Total Food- grains	Ground- nut	Soya- bean	Total Oil seeds	Sugar- cane (cane)	Cotton#	Jute*
<b>East</b>											
Arunachal Pradesh	A	-	0.6	11.5	216.5	0.6	2.8	34.9	1.5	-	-
	P	-	0.6	14.5	384.6	0.6	2.6	33.9	29.7	-	-
	Y	-	1,091	1,263	1,889	1,000	923	971	19,520	-	-
Assam	A	2.1	6.1	148.3	2,700.5	-	-	306.9	29.9	-	70.4
	P	2.0	5.7	111.0	5,096.8	-	-	205.7	1,099.1	-	767.6
	Y	938	941	748	2,021	-	-	670	36,760	-	1,962.5
Bihar	A	60.0	19.9	575.0	6,725.5	0.6	-	116.2	254.3	-	94.8
	P	57.5	28.5	493.9	12,905.8	0.6	-	127.0	14,034.1	-	1,418.7
	Y	958	1,438	859	1,964	1,035	-	1,093	55,179	-	2,693.8
Jharkhand	A	160.7	195.9	594.7	2,552.6	24.5	1.0	267.5	6.8	-	-
	P	186.4	199.5	597.1	4,777.0	24.8	0.8	177.6	469.8	-	-
	Y	1,160	1,018	1,004	1,871	1,013	808	664	69,500	-	-
Manipur	A	0.7	0.5	30.3	283.1	3.1	5.3	36.7	5.9	-	-
	P	0.6	0.5	28.7	427.2	2.5	4.6	31.7	339.3	-	-
	Y	838	989	948	1,509	819	868	863	58,002	-	-
Meghalaya	A	1.8	1.2	8.1	139.7	-	1.7	13.9	0.1	-	6.6
	P	1.9	1.5	11.3	353.8	-	3.3	14.9	0.3	-	66.3
	Y	1,033	1,278	1,405	2,532	-	1,947	1,071	3,091	-	1,809.8
Mizoram	A	-	-	4.2	46.8	-	1.0	2.1	1.5	-	-
	P	-	-	6.0	75.3	-	1.5	2.4	44.3	-	-
	Y	-	-	1,416	1,607	-	1,413	1,117	30,102	-	-
Nagaland	A	0.8	3.0	37.0	314.6	0.9	24.8	65.0	4.4	-	3.0
	P	0.6	2.7	42.4	649.6	0.9	31.1	68.1	189.3	-	5.8
	Y	842	900	1,146	2,065	1,023	1,254	1,048	43,524	-	343
Odisha \$	A	47.3	137.9	826.4	5,166.0	48.8	1.1	212.0	10.1	127.0	1.1
	P	36.4	123.8	439.3	8,980.5	62.0	0.7	141.5	722.9	400.0	10.1
	Y	770	898	532	1,738	1,268	660	667	71,929	535	1,715
Sikkim	A	-	-	6.3	64.7	-	4.1	7.9	-	-	-
	P	-	-	5.8	102.2	-	3.9	7.1	-	-	-
	Y	-	-	925	1,579	-	948	891	-	-	-
Tripura	A	0.2	2.5	11.7	273.7	0.5	-	8.9	-	-	0.7
	P	0.1	1.8	8.4	761.5	0.6	-	7.1	-	-	5.6
	Y	750	722	718	2,783	1,180	-	793	-	-	1,540
West Bengal	A	26.2	2.1	251.2	6,128.2	77.4	0.6	776.4	17.7	-	567.2
	P	30.8	2.9	236.5	16,531.8	179.9	0.4	901.4	2,105.5	-	8,341.2
	Y	1,178	1,434	941	2,698	2,324	700	1,161	1,18,754	-	2,647
<b>North</b>											
Haryana	A	65.0	6.1	83.2	4,445.2	3.7	-	510.6	97.0	648.0	-
	P	42.0	6.7	56.1	15,235.1	4.2	-	743.4	7,169.0	2,300.0	-
	Y	646	1,098	674	3,427	1,135	-	1,456	73,907	603	-
Himachal Pradesh	A	0.4	0.02	31.1	755.3	0.1	0.7	12.2	1.6	-	-
	P	0.4	0.01	38.3	1,432.0	0.03	0.9	6.6	37.6	-	-
	Y	927	500	1,232	1,896	600	1,446	542	23,049	-	-
Jammu & Kashmir	A	-	-	24.3	957.3	-	-	59.2	1.31	-	-
	P	-	-	9.2	1,220.3	-	-	40.4	1.96	-	-
	Y	-	-	381	1,275	-	-	682	1,496	-	-
Punjab	A	1.8	2.6	49.2	6,585.2	1.4	-	45.6	94.0	420.0	-
	P	1.9	2.4	41.6	26,698.0	2.6	-	57.7	7,039.0	1,600.0	-
	Y	1,056	923	846	4,054	1,857	-	1,265	74,883	648	-
Uttar Pradesh	A	558.0	287.0	2,350.0	20,078.0	98.0	52.0	1,127.0	2,140.8	-	-
	P	367.7	174.0	1,438.7	39,594.0	84.0	38.0	787.2	1,33,061.4	-	-
	Y	659	606	612	1,972	857	731	698	62,155	-	-
# = '000 bales of 170 kg. each. * = '000 bales of 180 kg. each. @ = Included in others.											
\$ = from November 2011 (Formerly Orissa). (Continued)											

4.05 STATE-WISE AREA, PRODUCTION AND AVERAGE YIELD PER HECTARE OF PRINCIPAL CROPS - 2014-15(Provisional) (Continued)										
		A = Area in '000 hectares P = Production in '000 tonnes Y = Yield in kg/hectare								
Zone/State	Area/ Prod./ Yield	Rice*	Wheat	Jowar	Bajra	Maize	Ragi	Small millets	Barley	Total Cereals
<b>North (Concluded)</b>										
Uttarakhand	A	261.7	347.8	-	-	24.6	112.8	63.0	21.3	831.2
	P	603.7	654.2	-	-	50.9	155.7	82.6	24.5	1,571.4
	Y	2,307	1,881	-	-	2,070	1,380	1,311	1,149	1,891
Delhi	A	6.0	19.4	3.2	1.5	-	-	-	0.1	30.2
	P	25.9	85.6	3.1	3.2	0.1	-	-	0.2	118.1
	Y	4,288	4,419	966	2,132	-	-	-	3,167	3,908
<b>South</b>										
Andhra Pradesh	A	2,394.0	-	142.0	87.1	303.0	33.0	20.0	-	2,920.0
	P	7,233.9	-	286.2	38.0	1,938.0	34.0	14.0	-	9,544.1
	Y	3,022	-	2,015	1,357	6,396	1,030	700	-	3,269
Telangana	A	1,415.0	6.0	79.0	11.0	692.0	2.0	-	-	2,205.0
	P	4,441	7.0	83.0	11.0	2,308.0	2.0	-	-	6,851.8
	Y	3,138	1,167	1,051	1,000	3,335	1,000	-	-	3,107
Karnataka	A	1,326.0	198.0	1,047.0	234.0	1,337.0	708.0	23.0	-	4,873.0
	P	3,541.0	261.0	1,174.0	248.0	4,214.0	1,298.0	12.0	-	10,748.0
	Y	2,670	1,318	1,121	1,060	3,152	1,833	522	-	2,206
Kerala	A	198.2	-	0.2	-	0.1	0.1	0.03	-	198.5
	P	562.1	-	0.1	-	0.1	0.1	0.02	-	562.4
	Y	2,836	-	765	-	1,000	1,000	667	-	2,833
Tamil Nadu	A	1,795.0	-	347.5	57.7	322.0	104.4	27.7	-	2,654.3
	P	5,727.8	-	512.6	177.6	2,067.9	349.6	34.9	-	8,870.4
	Y	3,191	-	1,475	3,077	6,423	3,348	1,263	-	3,342
Puducherry	A	16.7	-	-	-	-	0.04	-	-	16.7
	P	52.7	-	-	-	-	0.1	-	-	52.8
	Y	3,164	-	-	-	-	2,250	-	-	3,160
A & N Islands	A	6.4	-	-	-	0.2	-	-	-	6.6
	P	13.1	-	-	-	0.6	-	-	-	13.7
	Y	2,040	-	-	-	3,529	-	-	-	2,079
<b>West</b>										
Gujarat	A	786.0	1,112.0	145.0	460.0	382.0	20.0	31.0	-	2,936.0
	P	1,830.9	3,059.0	195.7	771.4	631.0	16.0	30.8	-	6,534.8
	Y	2,329	2,751	1,350	1,677	1,652	800	994	-	2,226
Madhya Pradesh	A	2,153.0	6,002.0	220.0	225.0	1,132.0	11.0	123.0	83.0	9,949.0
	P	3,625.3	17,103.9	377.0	445.0	2,128.2	3.0	72.0	104.3	23,858.7
	Y	1,684	2,850	1,714	1,978	1,880	273	585	1,257	2,398
Chhattisgarh	A	3,808.5	97.5	5.1	0.1	122.1	6.7	119.0	2.3	4,161.3
	P	6,322.1	135.3	4.4	0.1	230.3	1.8	27.6	3.0	6,724.6
	Y	1,660	1,388	863	1,000	1,886	269	232	1,304	1,616
Maharashtra	A	1,551.0	1,067.0	3,288.0	865.0	1,077.0	112.0	81.0	-	8,041.0
	P	2,946.0	1,308.0	2,109.0	538.0	2,202.0	119.0	36.9	-	9,258.9
	Y	1,899	1,226	641	622	2,045	1,063	456	-	1,151
Rajasthan	A	167.8	3,318.2	661.0	4,076.9	891.5	-	13.9	343.3	9,472.5
	P	366.7	9,823.9	504.5	4,456.1	1,551.2	-	5.2	962.4	17,670.1
	Y	2,186	2,961	763	1,093	1,740	-	378	2,803	1,865
Goa	A	42.0	-	-	-	-	0.02	-	-	42.0
	P	120.5	-	-	-	-	0.01	-	-	120.5
	Y	2,871	-	-	-	-	500	-	-	2,870
Daman & Diu	A	1.9	-	-	0.5	-	-	-	-	2.4
	P	4.3	-	-	2.0	-	-	-	-	6.3
	Y	2,270	-	-	3,922	-	-	-	-	2,621
Dadra & Nagar Haveli	A	13.9	0.1	0.5	-	0.1	1.0	0.2	-	15.8
	P	25.9	0.3	0.4	-	0.1	1.1	0.2	-	27.9
	Y	1,867	2,071	787	-	1,100	1,029	909	-	1,764
Others	A	-	-	-	-	-	-	-	-	-
	P	-	-	-	-	-	-	-	-	-
	Y	-	-	-	-	-	-	-	-	-
<b>All-India</b>	A	<b>44,110.6</b>	<b>31,465.6</b>	<b>6,161.4</b>	<b>7,318.0</b>	<b>9,185.4</b>	<b>1,208.1</b>	<b>589.6</b>	<b>707.5</b>	<b>1,00,746.0</b>
	P	<b>1,05,482.1</b>	<b>86,526.6</b>	<b>5,445.3</b>	<b>9,184.2</b>	<b>24,172.7</b>	<b>2,060.9</b>	<b>385.9</b>	<b>1,613.0</b>	<b>2,34,870.6</b>
	Y	<b>2,391</b>	<b>2,750</b>	<b>884</b>	<b>1,255</b>	<b>2,632</b>	<b>1,706</b>	<b>654</b>	<b>2,280</b>	<b>2,331</b>

\* = Cleaned rice.

(Continued)

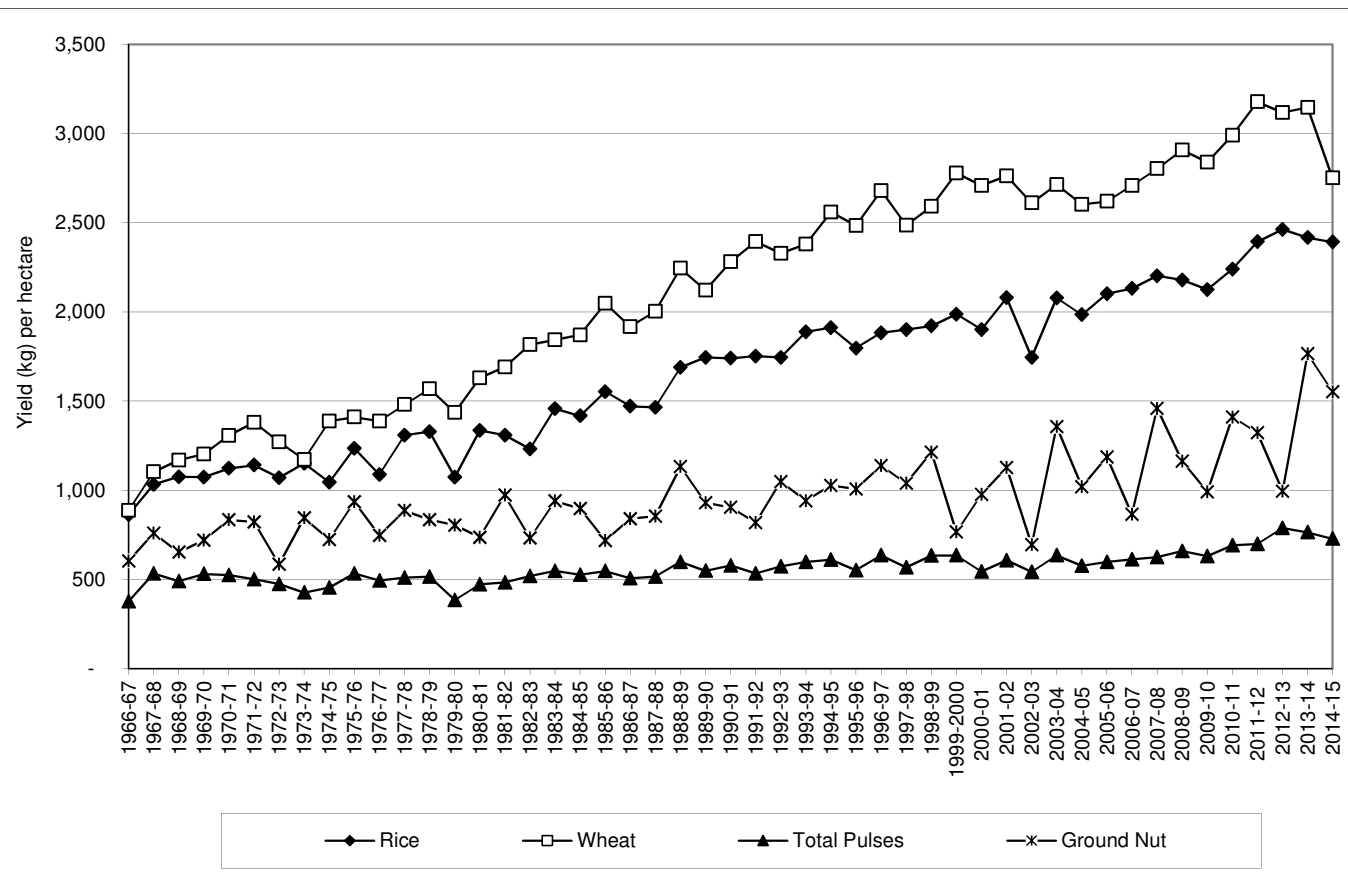


4.05 STATE-WISE AREA, PRODUCTION AND AVERAGE YIELD PER HECTARE OF PRINCIPAL CROPS - 2014-15 (Provisional) (Concluded)											
A = Area in '000 hectares P = Production in '000 tonnes Y = Yield in kg/hectare											
Zone/State	Area/ Prod./ Yield	Gram	Tur (Arhar)	Total Pulses	Total Food- grains	Ground- nut	Soya- bean	Total Oil seeds	Sugar- cane (cane)	Cotton#	Jute*
<b>North (Concluded)</b>											
Uttarakhand	A	0.7	3.6	66.5	897.6	1.0	12.8	31.6	101.7	-	-
	P	0.6	3.2	54.6	1,626.0	1.1	16.5	29.6	6,165.1	-	-
	Y	821	902	821	1,811	1,103	1,293	938	60,608	-	-
Delhi	A	-	-	-	30.2	-	-	-	-	-	-
	P	-	-	-	118.1	-	-	-	-	-	-
	Y	-	-	-	3,908	-	-	-	-	-	-
<b>South</b>											
Andhra Pradesh	A	342.0	151.0	1,043.1	3,963.1	874.0	1.0	1,072.0	139.0	821.0	-
	P	391.0	76.0	950.0	10,494.1	493.0	2.0	597.2	9,987.0	2,841.0	-
	Y	1,143	503	911	2,648	564	2,000	557	71,849	588	-
Telangana	A	59.0	220.0	408.1	2,613.1	155.0	242.0	496.0	38.0	1,713.0	-
	P	81.0	109.0	263.0	7,114.8	296.0	262.0	630.0	3,343.0	3,800.0	-
	Y	1,372	495	644	2,723	1,910	1,083	1,270	87,974	377	-
Karnataka	A	939.0	728.0	2,313.0	7,186.0	654.0	256.0	1,373.0	480.0	875.0	-
	P	674.0	474.0	1,390.0	12,138.0	502.0	189.0	959.0	43,776.0	2,311.0	-
	Y	718	651	601	1,689	768	738	698	91,200	449	-
Kerala	A	-	0.3	1.2	199.7	0.5	-	0.7	1.5	-	-
	P	-	0.5	1.4	563.8	0.7	-	0.8	148.5	-	-
	Y	-	1,885	1,131	2,823	1,438	-	1,054	97,717	-	-
Tamil Nadu	A	6.8	72.4	883.9	3,538.1	336.5	-	415.0	263.1	187.0	-
	P	4.4	77.0	753.2	9,623.7	926.4	-	985.3	28,092.8	686.0	-
	Y	645	1,064	852	2,720	2,753	-	2,374	1,06,788	624	-
Puducherry	A	-	-	1.9	18.6	0.4	-	0.5	1.9	-	-
	P	-	-	1.2	54.0	1.0	-	1.1	317.0	-	-
	Y	-	-	630	2,899	2,861	-	2,280	1,65,089	-	-
A & N Islands	A	-	0.010	1.6	8.2	-	-	0.01	0.2	-	-
	P	-	0.010	0.9	14.6	-	-	0.01	4.0	-	-
	Y	-	1,000	541	1,783	-	-	833	20,842.1	-	-
<b>West</b>											
Gujarat	A	161.0	214.0	591.0	3,527.0	1,401.0	57.0	2,545.6	208.0	2,773.0	-
	P	199.0	235.0	574.5	7,109.3	3,018.0	43.0	4,886.9	14,330.0	10,500.0	-
	Y	1,236	1,098	972	2,016	2,154	754	1,920	68,894	644	-
Madhya Pradesh	A	2,853.0	521.0	5,511.2	15,460.2	231.0	5,578.0	7,066.1	111.0	547.0	6.0
	P	2,964.0	511.0	4,828.3	28,687.0	370.0	6,353.0	7,724.2	4,567.0	1,750.0	3.0
	Y	1,039	981	876	1,856	1,602	1,139	1,093	41,144	544	90
Chhattisgarh	A	280.6	53.1	903.0	5,064.3	25.7	105.9	291.1	18.5	-	-
	P	290.4	33.8	738.5	7,463.1	36.3	79.7	174.2	49.3	-	-
	Y	1,035	636	818	1,474	1,412	753	599	2,665	-	-
Maharashtra	A	1,427.0	1,210.0	3,409.0	11,450.0	327.0	3,640.0	4,242.0	1,030.0	4,190.0	-
	P	1,088.0	726.0	2,053.0	11,311.9	379.0	2,384.2	2,850.2	84,699.0	7,000.0	-
	Y	762	600	602	988	1,159	655	672	82,232	284	-
Rajasthan	A	1,256.3	13.2	3,362.3	12,834.8	500.8	923.1	4,457.2	5.6	487.0	-
	P	911.1	9.7	1,951.8	19,621.9	1,011.2	956.6	5,314.3	408.9	1,527.0	-
	Y	725	736	580	1,529	2,019	1,036	1,192	73,404	533	-
Goa	A	-	-	8.5	50.5	2.3	-	2.3	0.8	-	-
	P	-	-	8.1	128.6	4.3	-	4.3	49.2	-	-
	Y	-	-	944	2,545	1,899	-	1,899	60,765	-	-
Daman & Diu	A	-	-	-	2.4	-	-	-	-	-	-
	P	-	-	-	6.3	-	-	-	-	-	-
	Y	-	-	-	2,621	-	-	-	-	-	-
Dadra & Nagar Haveli	A	0.2	1.6	5.8	21.7	-	-	0.1	0.7	-	-
	P	0.2	1.3	5.2	33.2	-	-	0.1	52.8	-	-
	Y	1,000	805	897	1,531	-	-	571	80,000	-	-
Others	A	-	-	-	-	-	-	-	-	31.0	-
	P	-	-	-	-	-	-	-	-	90.0	-
	Y	-	-	-	-	-	-	-	-	494	-
<b>All-India</b>	<b>A</b>	<b>8,251.1</b>	<b>3,853.5</b>	<b>23,552.7</b>	<b>1,24,298.7</b>	<b>4,768.7</b>	<b>10,910.8</b>	<b>25,596.2</b>	<b>5,066.8</b>	<b>12,819.0</b>	<b>749.8</b>
	<b>P</b>	<b>7,332.3</b>	<b>2,807.3</b>	<b>17,152.3</b>	<b>2,52,022.9</b>	<b>7,401.7</b>	<b>10,373.8</b>	<b>27,510.8</b>	<b>3,62,332.8</b>	<b>34,805.0</b>	<b>10,618.2</b>
	<b>Y</b>	<b>889</b>	<b>729</b>	<b>728</b>	<b>2,028</b>	<b>1,552</b>	<b>951</b>	<b>1,075</b>	<b>71,511</b>	<b>462</b>	<b>2,549</b>

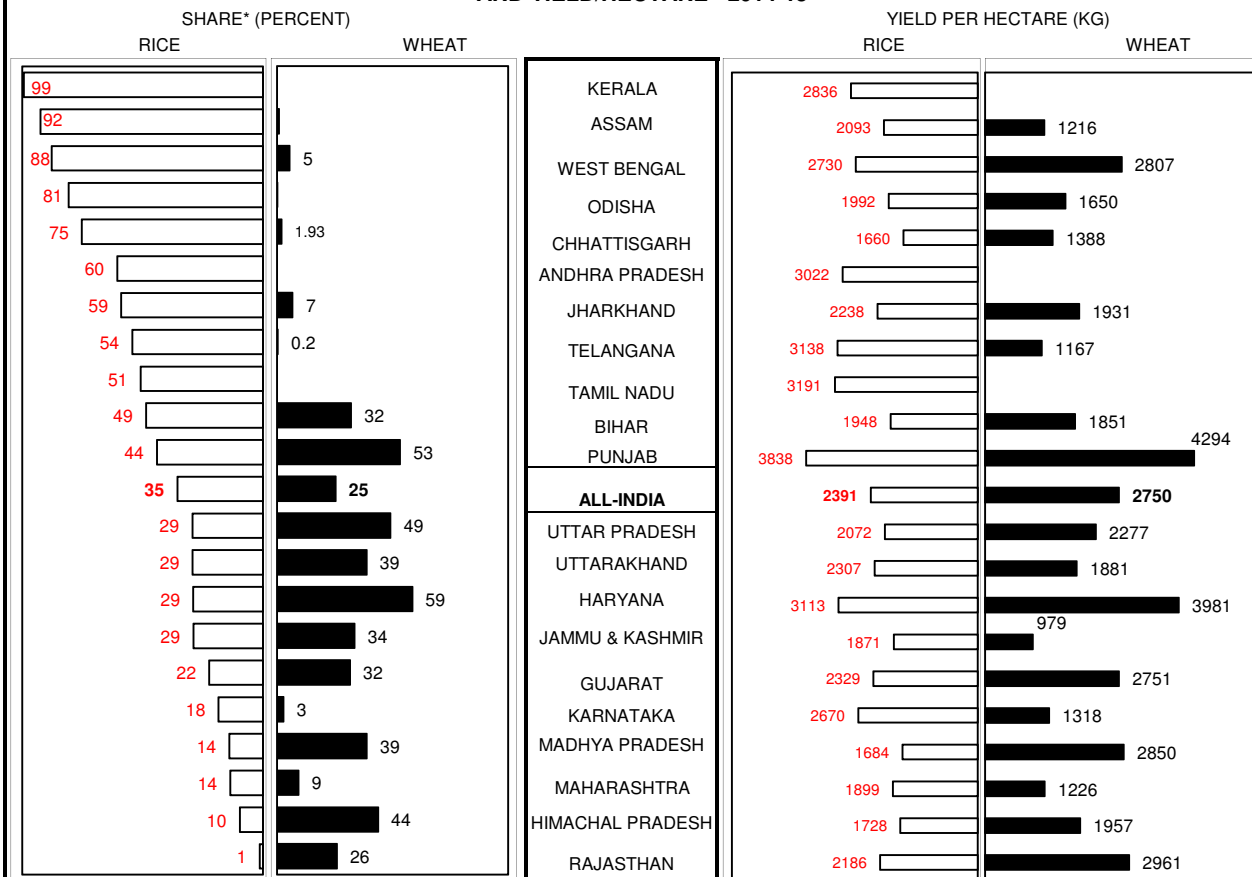
# = '000 bales of 170 kg. each. \* = '000 bales of 180 kg. each. @ = Included in others.

Source: DE&amp;S, Ministry of Agriculture &amp; Farmers Welfare, Govt. of India, New Delhi.

**Fig. 1: AVERAGE YIELD PER HECTARE OF SELECTED CROPS**



**Fig. 2: SHARE OF RICE & WHEAT AREA TO TOTAL AREA UNDER FOODGRAINS AND YIELD/HECTARE - 2014-15**



\* = Share of area under rice and wheat to total area under foodgrains

4.06 ESTIMATED AREA, PRODUCTION AND AVERAGE YIELD PER HECTARE OF TEA - 2013 to 2015									
State	Area (hectares)			Production ('000 kg.)			Average Yield (Kg. / hectare)		
	2013	2014	2015	2013	2014	2015	2013	2014	2015
Assam	3,07,081	3,07,081	3,07,081	6,21,870	6,10,970	6,31,220	2,025	1,990	2,056
West Bengal	1,40,442	1,40,442	1,40,442	3,12,880	3,29,460	3,24,500	2,228	2,346	2,311
Tripura									
Bihar									
Uttarakhand									
Himachal Pradesh									
Manipur									
Sikkim	12290	12290	12290	23870	24770	25370	1942	2015	2064
Arunachal Pradesh									
Nagaland									
Meghalaya									
Mizoram									
Odisha \$									
<b>North India-Total</b>	<b>4,59,813</b>	<b>4,59,813</b>	<b>4,59,813</b>	<b>9,58,620</b>	<b>9,65,200</b>	<b>9,81,090</b>	<b>2,085</b>	<b>2,099</b>	<b>2,134</b>
Tamil Nadu	69,611	69,611	69,611	1,73,360	1,69,790	1,63,090	2,490	2,439	2,343
Kerala	35,014	35,014	35,014	62,840	65,580	57,970	1,795	1,873	1,656
Karnataka	2,224	2,224	2,224	5,590	6,740	6,510	2,514	3,031	2,928
<b>South India-Total</b>	<b>1,06,848</b>	<b>1,06,848</b>	<b>1,06,848</b>	<b>2,41,790</b>	<b>2,42,110</b>	<b>2,27,570</b>	<b>2,263</b>	<b>2,266</b>	<b>2,130</b>
<b>All India-Total</b>	<b>5,66,662</b>	<b>5,66,662</b>	<b>5,66,662</b>	<b>12,00,410</b>	<b>12,07,310</b>	<b>12,08,660</b>	<b>2,118</b>	<b>2,131</b>	<b>2,133</b>
Note : Break-up for small states / UT's not available.									
\$ = from November 2011 (Formerly Orissa).									
Source : Tea Board, Kolkata.									

## 4.07(a) PRODUCTION OF COFFEE IN INDIA - 1950-51 to 2015-16

Year	Production ('000 tonnes)
1950-51	18.9
1960-61	68.2
1970-71	110.2
1980-81	118.6
1990-91	169.7
1995-96	223.0
2000-01	301.2
2001-02	300.6
2002-03	275.3
2003-04	270.5
2004-05	275.5
2005-06	274.0
2006-07	288.0
2007-08	262.0
2008-09	262.3
2009-10	289.6
2010-11	302.0
2011-12	314.0
2012-13	318.2
2013-14	304.5
2014-15	327.0
2015-16(P)	348.0

(P) = Provisional. Source : Coffee Board of India.

4.07(b) COFFEE PRODUCTION BY STATES  
2008-09 to 2015-16

State	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16 (P)
Andhra Pradesh & Odisha(*)	4.87	5.18	5.75	6.33	6.23	7.76	7.99	9.80
Karnataka	183.86	205.70	213.78	221.00	230.23	211.10	233.23	251.52
Kerala	57.20	59.25	65.65	68.10	64.20	66.68	67.70	69.23
Tamil Nadu	16.25	19.35	16.65	18.35	17.37	18.78	17.88	17.30
Other States	0.12	0.12	0.17	0.22	0.18	0.19	0.22	0.16
<b>All India</b>	<b>262.30</b>	<b>289.60</b>	<b>302.00</b>	<b>314.00</b>	<b>318.20</b>	<b>304.50</b>	<b>327.02</b>	<b>348.00</b>

Source : Coffee Board of India.

(P) = Provisional.

\*Production of Coffee in A.P.=9.2 &amp; Odisha =0.6 ('000 tonnes)

4.08 STATE-WISE AREA, PRODUCTION AND AVERAGE YIELD PER HECTARE OF RUBBER												
2013-14 to 2015-16												
State	Area			Tappable area			Production			Yield		
	(in '000 hectares)			(in '000 hectares)			(in '000 tonnes)			(Kg/ha)		
	2013-14	2014-15	2015-16 (P)	2013-14	2014-15	2015-16 (P)	2013-14	2014-15	2015-16 (P)	2013-14	2014-15	2015-16 (P)
Kerala	548.23	549.96	550.84	382.42	344.33	296.47	648.22	507.70	438.63	1,695	1,474	1,480
Tamil Nadu	20.89	20.93	20.96	15.20	15.31	133.35	25.00	23.79	19.49	1,645	1,554	1,462
Karnataka	47.06	49.21	50.41	22.85	23.68	20.38	35.23	34.56	29.40	1,542	1,459	1,443
Others	162.23	175.05	188.59	54.73	63.59	60.82	65.55	78.96	74.48	1,198	1,242	1,225
<b>All-India</b>	<b>778.40</b>	<b>795.14</b>	<b>810.80</b>	<b>475.20</b>	<b>446.90</b>	<b>391.00</b>	<b>774.00</b>	<b>645.00</b>	<b>562.00</b>	<b>1,629</b>	<b>1,443</b>	<b>1,437</b>
Source : Rubber Board, Kottayam. P= Provisional N.A. = Not available												
<b>4.09 (a) PRODUCTION OF FRUITS AND VEGETABLES IN INDIA</b> <b>1991-92 to 2015-16</b> (Lakh tonnes)												
Year	Fruits		Vegetables		Total (Fruits & Vegetables)							
1991-92	286.3		585.3		871.6							
1992-93	329.6		638.1		967.6							
1993-94	372.6		657.9		1,030.4							
1994-95	386.0		672.9		1,058.9							
1995-96	415.1		715.9		1,131.0							
1996-97	404.6		750.7		1,155.3							
1997-98	432.6		726.8		1,159.5							
1998-99	440.4		875.4		1,315.8							
1999-2000	455.0		908.2		1,363.2							
2000-2001	431.4		938.5		1,369.9							
2001-02	430.0		886.2		1,316.2							
2002-03	452.0		848.2		1,300.2							
2003-04	459.4		883.3		1,342.8							
2004-05	508.7		1,012.5		1,521.1							
2005-06	553.6		1,114.0		1,667.6							
2006-07	595.6		1,149.9		1,745.6							
2007-08	655.9		1,284.5		1,940.4							
2008-09	684.7		1,290.8		1,975.4							
2009-10	715.2		1,337.4		2,052.5							
2010-11	748.8		1,465.6		2,214.3							
2011-12	764.2		1,563.3		2,327.5							
2012-13	812.9		1,621.9		2,434.8							
2013-14	889.8		1,629.0		2,518.8							
2014-15	866.0		1,694.8		2,560.8							
2015-16 (P)	914.4		1,666.1		2,580.5							
1 lakh tonnes = 100 thousand tonnes (P) = Provisional.												
Source : National Horticulture Board (NHB) Database, Ministry of Agriculture & Farmers Welfare, Gol. (www.nhb.gov.in)												

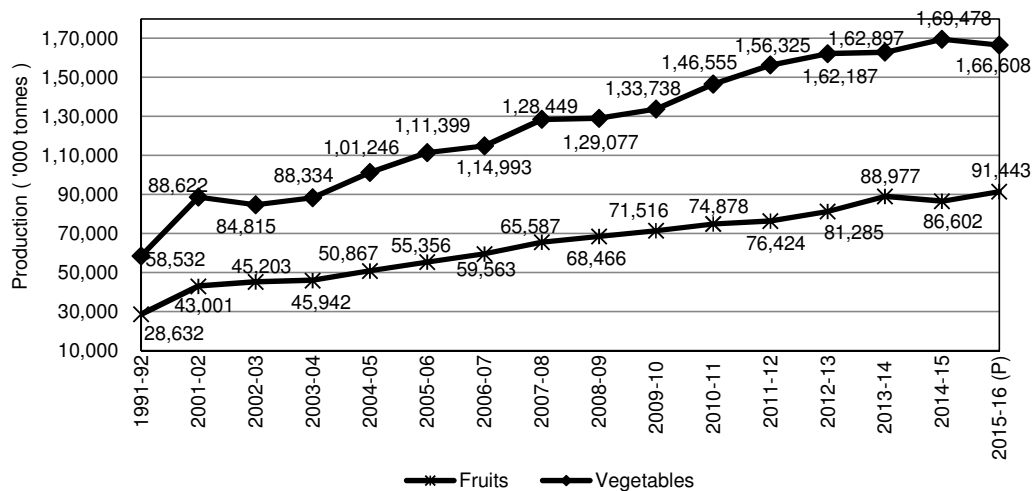
**4.09 (b) ALL INDIA AREA, PRODUCTION AND YIELD OF FRUITS AND VEGETABLES  
1991-92 and 2001-02 to 2015-16**

Year	Fruits			Vegetables		
	Area ('000 ha)	Production ('000 tonnes)	Productivity (tonnes/ha)	Area ('000 ha)	Production ('000 tonnes)	Yield (tonne/ha)
1991-92	2,874	28,632	10.0	5,593	58,532	10.5
2001-02	4,010	43,001	10.7	6,156	88,622	14.4
2002-03	3,788	45,203	11.9	6,092	84,815	13.9
2003-04	4,661	45,942	9.9	6,082	88,334	14.5
2004-05	5,049	50,867	10.1	6,744	1,01,246	15.0
2005-06	5,324	55,356	10.4	7,213	1,11,399	15.4
2006-07	5,554	59,563	10.7	7,581	1,14,993	15.2
2007-08	5,857	65,587	11.2	7,848	1,28,449	16.4
2008-09	6,101	68,466	11.2	7,981	1,29,077	16.2
2009-10	6,329	71,516	11.3	7,985	1,33,738	16.7
2010-11	6,383	74,878	11.7	8,495	1,46,555	17.3
2011-12	6,705	76,424	11.4	8,989	1,56,325	17.4
2012-13	6,982	81,285	11.6	9,205	1,62,187	17.6
2013-14	7,216	88,977	12.3	9,396	1,62,897	17.3
2014-15	6,110	86,602	14.2	9,542	1,69,478	17.8
2015-16 (P)	6,405	91,443	14.3	9,575	1,66,608	17.4

(P) = Provisional.

Source: National Horticulture Board (NHB), Ministry of Agriculture &amp; Farmers Welfare, Govt. (www.nhb.gov.in)

**Fig. 3: TRENDS IN ALL-INDIA PRODUCTION OF FRUITS AND VEGETABLES**



4.10 (a) ALL INDIA AREA, PRODUCTION AND YIELD OF MAJOR FRUIT CROPS 2012-13 to 2014-15									
Fruits	Area ('000 hectares)			Production ('000 tonnes)			Yield (tonne/ha)		
	2012-13	2013-14	2014-15	2012-13	2013-14	2014-15	2012-13	2013-14	2014-15
Banana	776	803	822	26,509	29,725	29,221	34.2	37.0	35.6
Mango	2,500	2,516	2163	18,002	18,431	18,527	7.2	7.3	8.6
Citrus	1,042	1,078	953	10,090	11,147	11,655	9.7	10.3	12.2
Papaya	132	133	115	5,382	5,639	4,913	40.8	42.4	42.7
Guava	236	268	246	3,198	3,668	3,994	13.6	13.7	16.2
Apple	312	313	319	1,915	2,498	2,134	6.1	8.0	6.7
Pineapple	105	110	116	1,571	1,737	1,984	15.0	15.8	17.1
Sapota	164	177	106	1,495	1,744	1,339	9.1	9.9	12.6
Grapes	118	119	123	2,483	2,585	2,823	21.0	21.7	23.0
Pomegranate	113	131	181	745	1,346	1,789	6.6	10.3	9.9
Litchi	83	84	85	580	585	528	7.0	7.0	6.2
Others	1,402	1,484	880	9,315	9,872	7,695	6.6	6.7	8.7
<b>Total</b>	<b>6,982</b>	<b>7,216</b>	<b>6110</b>	<b>81,285</b>	<b>88,977</b>	<b>86,602</b>	<b>11.6</b>	<b>12.3</b>	<b>14.2</b>
(P) = Provisional. Note: Totals may not tally due to rounding off. Source: National Horticulture Board (NHB), Ministry of Agriculture & Farmers Welfare, Govt of India. ( <a href="http://www.nhb.gov.in">www.nhb.gov.in</a> )									
4.10 (b) ALL INDIA AREA, PRODUCTION AND YIELD OF MAJOR VEGETABLE CROPS 2012-13 to 2014-15									
Vegetables	Area ('000 hectares)			Production ('000 tonnes)			Yield (tonne/ha)		
	2012-13	2013-14	2014-15	2012-13	2013-14	2014-15	2012-13	2013-14	2014-15
Potato	1,992	1,973	2076	45,344	41,555	48,009	22.8	21.1	23.1
Tomato	880	882	767	18,227	18,736	16,385	20.7	21.2	21.4
Onion	1,052	1,204	1173	16,813	19,402	18,927	16.0	16.1	16.1
Brinjal	722	711	673	13,444	13,558	12,589	18.6	19.1	18.7
Tapioca	207	228	208	7,237	8,139	4,373	35.0	35.7	21.1
Cabbage	372	400	386	8,534	9,039	8,585	22.9	22.6	22.3
Cauliflower	402	434	411	7,887	8,573	7,926	19.6	19.8	19.3
Okra	231	533	504	6,350	6,346	5,709	27.5	11.9	11.3
Peas	421	434	476	4,006	3,869	4,652	9.5	8.9	9.8
Sweet Potato	112	106	107	1,132	1,088	1,228	10.1	10.3	11.5
Others	2,815	2,491	2762	33,213	32,592	41,097	11.8	13.1	14.9
<b>Total</b>	<b>9,205</b>	<b>9,396</b>	<b>9542</b>	<b>1,62,187</b>	<b>1,62,897</b>	<b>1,69,478</b>	<b>17.6</b>	<b>17.3</b>	<b>17.8</b>
Note: Totals may not tally due to rounding off. Source: National Horticulture Board (NHB), Ministry of Agriculture & Farmers Welfare, Govt of India. ( <a href="http://www.nhb.gov.in">www.nhb.gov.in</a> )									



4.11 STATE-WISE AREA, PRODUCTION AND YIELD OF FRUITS						
2013-14 and 2014-15						
States / Union Territories	Area ('000 hectares)		Production ('000 tonnes)		Yield (tonne/ha)	
	2013-14	2014-15	2013-14	2014-15	2013-14	2014-15
Andhra Pradesh	640.1	545.9	10510.6	9121.6	16.4	16.7
Andaman & Nicobar Islands	3.6	3.7	29.7	31.6	8.4	8.6
Arunachal Pradesh	89.1	90.0	321.3	331.4	3.6	3.7
Assam	144.7	145.2	2007.8	2030.1	13.9	14.0
Bihar	302.1	301.0	4013.6	3990.0	13.3	13.3
Chhattisgarh	212.9	192.1	1930.2	2071.1	9.1	10.8
Goa	11.3	11.5	81.2	83.1	7.2	7.3
Gujarat	370.8	384.4	8002.0	8300.6	21.6	21.6
Haryana	50.6	60.5	554.9	703.7	11.0	11.6
Himachal Pradesh	220.7	224.4	866.3	751.9	3.9	3.4
Jammu & Kashmir	355.2	336.4	2073.9	1779.4	5.8	5.3
Jharkhand	94.0	94.1	890.0	898.1	9.5	9.5
Karnataka	396.0	400.2	6652.4	6799.9	16.8	17.0
Kerala	377.0	194.7	2889.5	2554.1	7.7	13.1
Lakshadweep	0.2	0.4	0.5	0.4	2.2	1.0
Madhya Pradesh	203.8	220.0	5696.0	6119.0	28.0	27.8
Maharashtra	1565.0	742.3	13457.9	11089.5	8.6	14.9
Manipur	54.1	55.6	515.7	521.6	9.5	9.4
Meghalaya	35.3	36.3	348.0	377.2	9.9	10.4
Mizoram	57.6	60.3	343.9	350.9	6.0	5.8
Nagaland	40.6	40.6	411.0	411.0	10.1	10.1
Odisha	325.9	327.3	2148.3	2156.5	6.6	6.6
Puducherry	0.6	0.7	12.6	15.9	19.7	23.4
Punjab	76.6	77.8	1541.2	1644.6	20.1	21.2
Rajasthan	37.4	39.4	581.8	735.6	15.6	18.7
Sikkim	16.0	0.02	24.1	0.03	1.5	1.4
Tamil Nadu	328.6	285.7	7369.9	5963.9	22.4	20.9
Telangana	364.5	361.8	4441.0	5287.7	12.2	14.6
Tripura	68.4	71.8	786.4	819.1	11.5	11.4
Uttar Pradesh	379.0	372.3	6887.5	7559.0	18.2	20.3
Uttarakhand	171.6	205.0	678.5	786.0	4.0	3.8
West Bengal	223.5	228.3	2909.7	3313.7	13.0	14.5
<b>Total</b>	<b>7216.3</b>	<b>6109.7</b>	<b>88977.1</b>	<b>86601.7</b>	<b>12.3</b>	<b>14.2</b>

Note: Totals may not tally due to rounding off.  
Source: National Horticulture Board (NHB), Ministry of Agriculture & Farmers Welfare, Govt. (www.nhb.gov.in)

4.12 STATE-WISE AREA, PRODUCTION AND YIELD OF VEGETABLES 2013-14 and 2014-15						
States / Union Territories	Area ('000 hectares)		Production ('000 tonnes)		Yield (tonne/ha)	
	2013-14	2014-15	2013-14	2014-15	2013-14	2014-15
Andhra Pradesh	439.6	242.2	8,149.8	4,592.6	18.5	19.0
Andaman & Nicobar Islands	6.9	6.7	51.8	50.9	7.5	7.6
Arunachal Pradesh	1.4	1.7	35.0	41.0	25.0	24.1
Assam	281.4	289.3	3,031.9	4,469.7	10.8	15.5
Bihar	809.8	842.0	15,097.8	14,467.1	18.6	17.2
Chhattisgarh	403.4	425.1	5,465.9	5,812.3	13.5	13.7
Dadra & Nagar Haveli	1.1	1.1	5.5	5.5	5.0	5.0
Delhi	27.3	22.8	437.0	391.9	16.0	17.2
Goa	7.0	7.2	79.9	82.0	11.4	11.4
Gujarat	582.3	603.1	11,571.2	11,861.2	19.9	19.7
Haryana	373.2	359.4	5,565.9	5,305.6	14.9	14.8
Himachal Pradesh	86.6	83.7	1,635.9	1,585.4	18.9	18.9
Jammu & Kashmir	63.1	63.1	1,395.5	1,395.5	22.1	22.1
Jharkhand	313.6	316.7	4,238.1	4,279.3	13.5	13.5
Karnataka	418.7	485.9	7,500.7	8,828.4	17.9	18.2
Kerala	147.7	142.3	3,572.7	1,645.1	24.2	11.6
Lakshadweep	0.3	0.3	0.3	0.6	1.3	2.1
Madhya Pradesh	628.7	672.3	13,019.3	14,199.0	20.7	21.1
Maharashtra	726.0	595.2	10,161.8	8,783.0	14.0	14.8
Manipur	25.2	29.3	271.0	268.0	10.8	9.1
Meghalaya	43.6	44.6	515.3	534.0	11.8	12.0
Mizoram	41.1	44.0	254.1	273.8	6.2	6.2
Nagaland	38.6	38.6	492.4	492.4	12.8	12.8
Odisha	677.3	668.5	9,433.7	9,413.5	13.9	14.1
Puducherry	0.9	1.5	16.3	43.7	18.1	29.9
Punjab	191.0	208.0	3,936.2	4,167.6	20.6	20.0
Rajasthan	148.9	153.9	1,114.1	1,433.2	7.5	9.3
Sikkim	26.1	29.1	134.5	130.1	5.2	4.5
Tamil Nadu	289.7	284.8	8,678.8	7,521.0	30.0	26.4
Telangana	220.9	179.7	3,647.3	3,005.3	16.5	16.7
Tripura	46.7	48.6	780.5	811.1	16.7	16.7
Uttar Pradesh	859.4	1,163.6	18,545.0	26,120.2	21.6	22.4
Uttarakhand	88.3	100.7	1,016.8	1,109.7	11.5	11.0
West Bengal	1,380.3	1,387.2	23,045.0	26,354.6	16.7	19.0
<b>Total</b>	<b>9,396.1</b>	<b>9,542.2</b>	<b>1,62,896.9</b>	<b>1,69,478.2</b>	<b>17.3</b>	<b>17.8</b>

Note: Totals may not tally due to rounding off.  
Source: National Horticulture Board (NHB), Ministry of Agriculture & Farmers Welfare, Gov. (www.nhb.gov.in)

**4.13 AREA, PRODUCTION AND YIELD OF MAJOR SPICE CROPS**  
**2012-13 to 2014-15**

Spices	Area ('000 hectares)			Production ('000 tonnes)			Yield (tonne / ha)		
	2012-13	2013-14	2014-15	2012-13	2013-14	2014-15	2012-13	2013-14	2014-15
Chillies	794	775	761	1,304	1,492	1,605	1.6	1.9	2.1
Garlic	248	231	262	1,259	1,252	1,425	5.1	5.4	5.4
Turmeric	194	233	184	971	1,190	830	5.0	5.1	4.5
Ginger	136	133	142	683	655	760	5.0	4.9	5.4
Coriander	543	447	553	524	314	462	1.0	0.7	0.8
Tamarind	58	59	54	202	188	202	3.5	3.2	3.7
Cumin	594	859	890	394	514	486	0.7	0.6	0.5
Fenugreek	93	66	123	113	90	131	1.2	1.4	1.1
Fennel	100	54	39	143	70	60	1.4	1.3	1.5
Pepper	125	124	129	53	51	65	0.4	0.4	0.5
Cardamom	92	93	100	18	21	24	0.2	0.2	0.2
Other seed spices	-	-	-	-	-	-	-	-	-
Ajwan	35	27	24	27	19	16	0.8	0.7	0.7
Nutmeg	18	19	21	13	13	14	0.7	0.7	0.7
Tejpata / Cinnamon	3	3	3	5	5	5	1.7	1.7	1.8
Clove	2	2	2	1	1	1	0.5	0.5	0.5
Others	41	38	30	34	33	21	0.8	0.9	0.7
<b>Total</b>	<b>3,076</b>	<b>3,163</b>	<b>3,317</b>	<b>5,744</b>	<b>5,908</b>	<b>6,108</b>	<b>1.9</b>	<b>1.9</b>	<b>1.8</b>

Note: Totals may not tally due to rounding off.

Source: National Horticulture Board (NHB), Ministry of Agriculture & Farmers Welfare, Gov. ([www.nhb.gov.in](http://www.nhb.gov.in))

4.14 (a) ALL INDIA AREA COVERED UNDER ORGANIC MANURES AND GREEN MANURE - 2008-09, 2010-11 and 2013-14				(Lakh hectares)					
Item	2008-09	2010-11	2013-14						
<b>I. Organic manure</b>									
Rural compost	40.72	120.37							
Urban compost	24.37	17.04							
FYM	126.74	292.44							
Vermicompost	24.58	48.87							
Other manures	29.43	47.36							
<b>Total organic manures</b>	<b>245.83</b>	<b>526.08</b>	<b>458.83</b>						
<b>II. Green manure</b>		<b>20.62</b>	<b>12.34</b>						
1 lakh hectares = 100 thousand hectares. N.A. = Not Available									
Source: National Centre of Organic Farming, Ministry of Agriculture & Farmers Welfare, Govt. of India, N. Delhi.									
4.14 (b) ALL INDIA PRODUCTION AND AVAILABILITY OF ORGANIC MANURES AND GREEN MANURE				1995-96, 2004-05 and 2007-08 to 2013-14					
(Lakh tonnes)									
Item	1995-96	2004-05	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
<b>I. Organic manure</b>									
Rural compost	2258.14	1287.58	1693.24	486.40	804.49	797.54	939.85	1039.35	224.98
Urban compost	65.90	168.45	152.65	255.88	618.96	111.24	140.86	143.05	63.34
FYM	N.A	N.A	1862.00	1302.38	1220.65	2234.44	1860.64	2850.50	1399.30
Vermicompost	N.A	N.A	30.96	55.80	73.72	114.16	268.51	53.71	582.27
Other manures	N.A	N.A	92.08	35.20	40.62	131.82	35.43	29.17	14.78
<b>Total organic manures</b>	<b>2324.04</b>	<b>1456.03</b>	<b>3830.93</b>	<b>2135.66</b>	<b>2758.44</b>	<b>3389.20</b>	<b>3245.30</b>	<b>4115.78</b>	<b>2294.15</b>
<b>II. Green manure</b>				<b>727.69</b>	<b>282.24</b>	<b>241.06</b>	<b>237.55</b>		<b>N.A</b>
N.A.= Not available. FYM = Farm yard manure. 1 lakh tonnes = 100 thousand tonnes.									
Source: National Centre of Organic Farming, Ministry of Agriculture & Farmers Welfare, Govt. of India, N. Delhi.									

4.14 (c) STATE-WISE PRODUCTION OF URBAN AND RURAL COMPOST- 2013-14						
Sl No.	State/UTs	Production (Lakh tonnes)				
		Rural compost	Urban compost	FYM	Vermi compost	Other manures
1	Andhra Pradesh	49.50	21.30	0.21	1.02	-
2	Arunachal Pradesh	0.090	-	0.230	0.61	0.065
3	Assam	0.83	0.02	916.50	1.65	-
4	Bihar	3.83	0.29	-	3.14	-
5	Chhattisgarh	49.00	3.25	45.50	3.50	3.00
6	Delhi	-	0.80	-	-	-
7	Goa	0.04	0.50	-	0.030	0.210
8	Gujarat	-	-	361.00	0.51	4.30
9	Haryana	-	0.045	-	0.041	-
10	Himachal Pradesh	2.00	0.23	-	15.42	-
11	Jammu & Kashmir	1.77	0.19	-	0.084	-
12	Jharkhand	-	0.02	-	525.00	-
13	Karnataka	-	8.32	1.37	1.96	-
14	Kerala	-	1.86	1.11	0.88	-
15	Madhya Pradesh	5.50	0.05	0.01	-	0.10
16	Maharashtra	-	5.50	-	1.46	3.00
17	Manipur	-	-	0.61	-	-
18	Mizoram	-	-	0.055	0.042	-
19	Meghalaya	-	-	16.350	-	-
20	Nagaland	0.031	-	0.81	0.04	-
21	Odisha \$	23.27	0.0283	-	0.33281	-
22	Puducherry	-	3.23	-	-	-
23	Punjab	-	0.032	2.980	0.05215	-
24	Rajasthan	-	-	-	-	0.007
25	Sikkim	0.320	-	-	0.03	-
26	Tamil Nadu	-	9.11	2.10	3.18	-
27	Tripura	-	-	-	-	-
28	Uttar Pradesh	-	-	-	0.222	-
29	Uttarakhand	9.40	0.35	13.65	0.17	-
30	West Bengal	79.40	8.21	36.80	22.90	4.10
<b>Total</b>		<b>224.976</b>	<b>63.335</b>	<b>1,399.30</b>	<b>582.274</b>	<b>14.782</b>

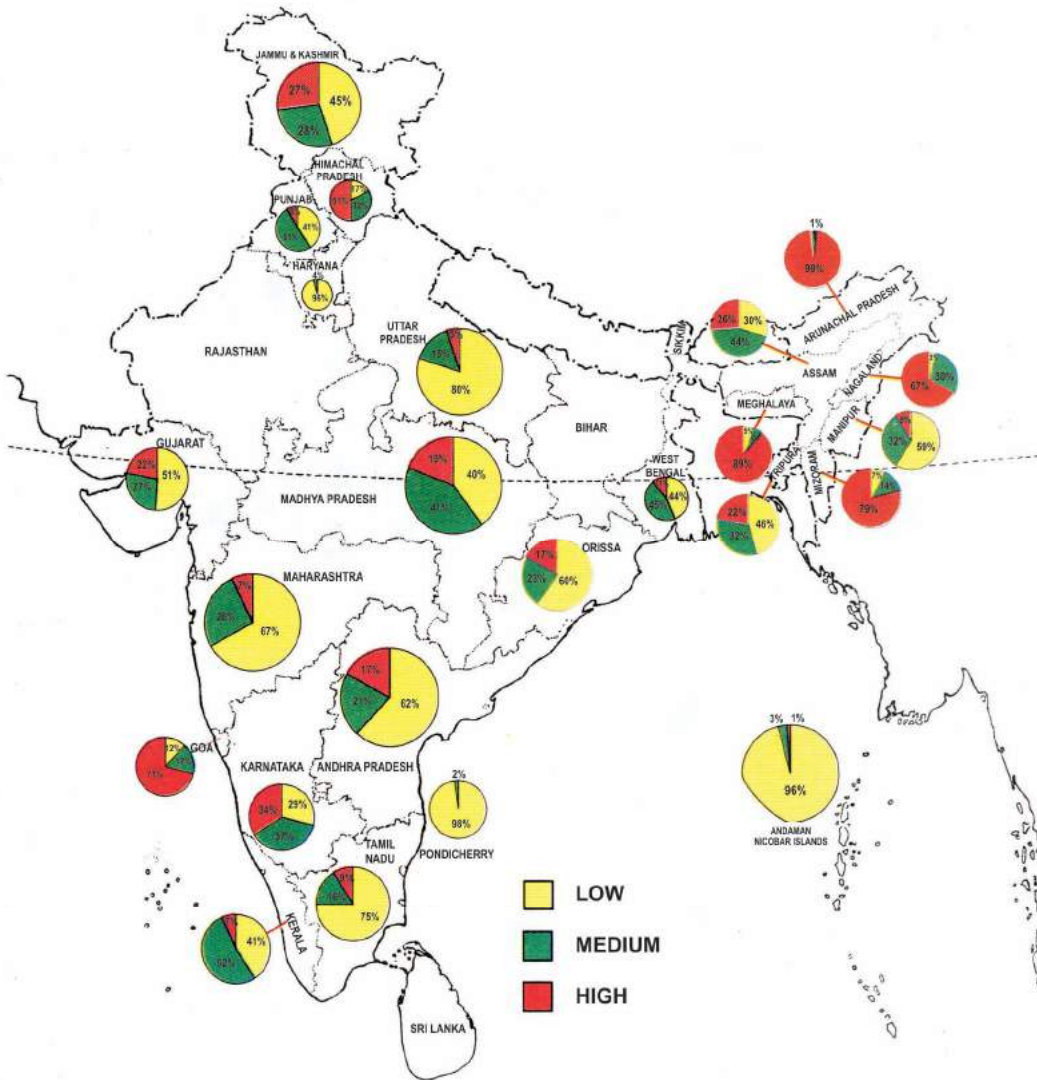
Note: States/ UTs for which data are not available have not been included.  
 \$ = from November 2011 (Formerly Orissa).  
 Source : National Centre of Organic Farming, Ministry of Agriculture & Farmers Welfare, Govt. of India, N. Delhi.

4.14 (d) STATE-WISE AREA - 2013-14 and PRODUCTION OF GREEN MANURE - 2011-12 and 2012-13				
S. No.	State/U.Ts	Area covered (Lakh hectares)	Production (Lakh tonnes)	
		2013-14	2011-12	2012-13
1 .	Andhra Pradesh	0.0003	31.69	28.54
2 .	Arunachal Pradesh	-	-	0.05
3 .	Assam	0.00003	-	2.50
4 .	Bihar	3.62	-	-
5 .	Chhattisgarh	3.75	2.70	3.55
6 .	Goa	0.00003	2.69	2.95
7 .	Gujarat	0.00003	-	3.20
8 .	Haryana	-	-	-
9 .	Jammu & Kashmir	0.01	0.04	0.04
10 .	Jharkhand	-	1.40	-
11 .	Karnataka	-	106.21	128.81
12 .	Kerala	-	4.77	0.57
13 .	Mizoram	-	-	-
14 .	Madhya Pradesh	0.58	-	-
15 .	Nagaland	0.00001	0.089	0.075
16 .	Odisha	-	0.27	-
17 .	Punjab	1.99	33.11	34.48
18 .	Rajasthan	-	7.133	6.64
19 .	Sikkim	-	-	-
20 .	Tamil Nadu	-	0.02	10.20
21 .	Uttar Pradesh	2.39	35.05	0.05
22 .	West Bengal	0.0002	15.89	15.89
<b>Total</b>		<b>12.34</b>	<b>241.06</b>	<b>237.55</b>
1 lakh hectares = 100 thousand hectares				
Note: 1) States/ UTs for which data are not available have not been included.				
2) Area Covered under Green Manure for 2011-12 is Not Available.				
Source : National Centre of Organic Farming, Ministry of Agriculture & Farmers Welfare, Govt. of India, N. Delhi.				

**5.00 FERTILITY STATUS OF SOILS, NUTRIENT UPTAKE, NUTRIENT CONTENT OF FERTILISERS & MICRONUTRIENTS, ETC.**

<b>5.01 (a) NITROGEN FERTILITY STATUS OF SOILS OF INDIAN STATES</b>						
State	No. of samples analysed	Per cent samples in the indicated categories			Nutrient Index	Category
		Low	Medium	High		
<b>East</b>						
Assam	30,514	30	44	26	1.76	Medium
Arunachal Pradesh	1,984	-	1	99	2.99	High
Manipur	4,528	59	32	9	1.50	Low
Meghalaya	3,785	5	6	89	2.84	High
Mizoram	4,800	7	14	79	2.72	High
Nagaland	20,007	3	30	67	2.64	High
Odisha \$	251,196	60	23	17	1.57	Low
Tripura	6,083	46	32	22	1.76	Medium
West Bengal	44,274	44	45	11	1.67	Medium
<b>West</b>						
Gujarat	176,955	51	27	22	1.71	Medium
Goa	23,000	12	17	71	2.59	High
Madhya Pradesh	138,553	40	41	19	1.27	Medium
Maharashtra	93,142	67	26	7	1.40	Low
<b>North</b>						
Haryana	273,459	96	4	-	1.04	Low
Himachal Pradesh	60,997	17	32	51	2.34	High
Jammu & Kashmir	39,470	45	28	27	1.82	Medium
Punjab	348,096	41	51	8	1.67	Medium
Uttar Pradesh	807,424	80	15	5	1.25	Low
<b>South</b>						
Andhra Pradesh	312,521	62	21	17	1.55	Low
A & N Islands	8,111	96	3	1	1.05	Low
Karnataka	317,213	29	37	34	2.05	Medium
Kerala	172,613	41	52	7	1.66	Low
Puducherry	19,622	98	2	-	1.02	Low
Tamil Nadu	491,657	75	16	9	1.34	Low
<b>India</b>	<b>3,650,004</b>	<b>63</b>	<b>26</b>	<b>11</b>	<b>1.48</b>	<b>Low</b>
<p>Source: Paper published in <i>Fertiliser News</i>, Vol.47 (8), August 2002, by FAI, New Delhi on Available Nitrogen, Phosphorus and Potassium Status of Indian Soils as Depicted by Soil Fertility Maps, - Dr. M. R. Motsara.      \$ = from November 2011 (Formerly Orissa).</p>						

**Fig. 4: NITROGEN FERTILITY STATUS OF SOILS OF INDIAN STATES**

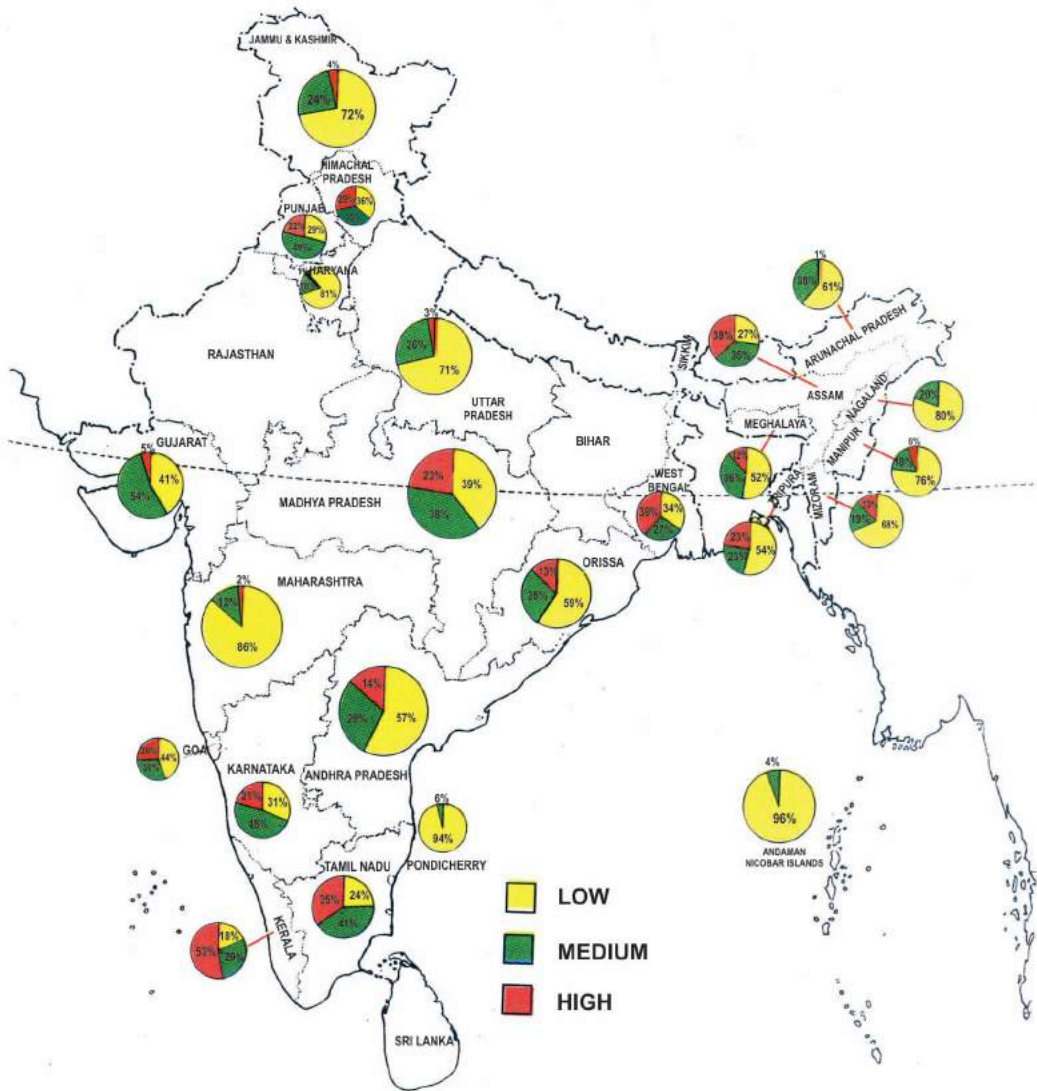


Source: 'Available Nitrogen, Phosphorus and Potassium Status of Indian Soils as Depicted by Soil Fertility Maps', – Dr. M.R. Motsara, Fertiliser News, Vol.47 (8), August 2002, FAI, New Delhi.



5.01 (b) PHOSPHORUS FERTILITY STATUS OF SOILS OF INDIAN STATES						
State	No. of samples analysed	Per cent samples in the indicated categories			Nutrient Index	Category
		Low	Medium	High		
<b>East</b>						
Assam	30,514	27	35	38	2.13	Medium
Arunachal Pradesh	1,984	61	38	1	1.42	Low
Manipur	4,528	76	18	6	1.30	Low
Meghalaya	3,785	52	36	12	1.60	Low
Mizoram	4,800	68	19	13	1.45	Low
Nagaland	20,007	80	20	-	2.00	Medium
Odisha \$	251,196	59	28	13	1.54	Low
Tripura	6,083	54	23	23	1.69	Medium
West Bengal	44,274	34	27	39	2.05	Medium
<b>West</b>						
Gujarat	176,955	41	54	5	1.64	Low
Goa	23,000	44	30	26	1.82	Medium
Madhya Pradesh	138,553	39	38	23	1.84	Medium
Maharashtra	93,142	86	12	2	1.16	Low
<b>North</b>						
Haryana	273,459	81	18	1	1.20	Low
Himachal Pradesh	60,997	36	35	29	1.93	Medium
Jammu & Kashmir	39,470	72	24	4	1.32	Low
Punjab	348,096	29	49	22	1.93	Medium
Uttar Pradesh	807,424	71	26	3	1.32	Low
<b>South</b>						
Andhra Pradesh	312,521	57	29	14	1.57	Low
A & N Islands	8,111	96	4	-	1.04	Low
Karnataka	317,213	31	48	21	1.90	Medium
Kerala	172,613	18	29	53	2.35	Medium
Puducherry	19,622	94	6	-	1.06	Low
Tamil Nadu	491,657	24	41	35	2.11	Medium
<b>India</b>	<b>3,650,004</b>	<b>42</b>	<b>38</b>	<b>20</b>	<b>1.78</b>	<b>Medium</b>
Source: Paper published in <i>Fertiliser News</i> , Vol.47 (8), August 2002 by FAI, New Delhi on Available Nitrogen, Phosphorus and Potassium Status of Indian Soils as Depicted by Soil Fertility Maps, - Dr. M. R. Motsara. \$ = from November 2011 (Formerly Orissa).						

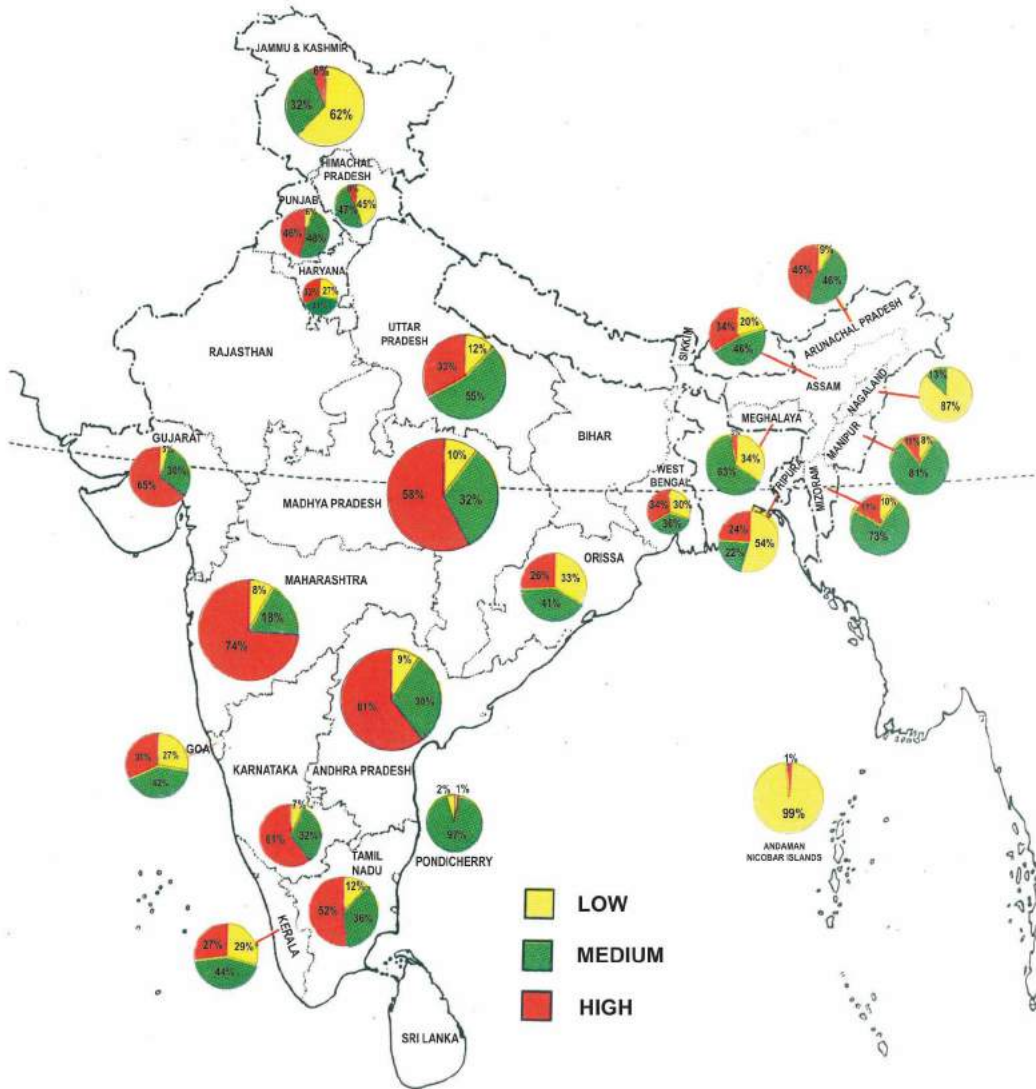
**Fig. 5: PHOSPHORUS FERTILITY STATUS OF SOILS OF INDIAN STATES**



Source: 'Available Nitrogen, Phosphorus and Potassium Status of Indian Soils as Depicted by Soil Fertility Maps', – Dr. M.R. Motsara, Fertiliser News, Vol.47 (8), August 2002, FAI, New Delhi.

5.01 (c) POTASSIUM FERTILITY STATUS OF SOILS OF INDIAN STATES						
State	No. of samples analysed	Per cent samples in the indicated categories			Nutrient Index	Category
		Low	Medium	High		
<b>East</b>						
Assam	30,514	20	46	34	2.14	Medium
Arunachal Pradesh	1,984	9	46	45	2.36	High
Manipur	4,528	8	81	11	2.03	Medium
Meghalaya	3,785	34	63	3	1.69	Medium
Mizoram	4,800	10	73	17	2.07	Medium
Nagaland	20,007	87	13	-	1.13	Low
Odisha \$	251,196	33	41	26	1.93	Medium
Tripura	6,083	54	22	24	1.70	Medium
West Bengal	44,274	30	36	34	2.04	Medium
<b>West</b>						
Gujarat	176,955	5	30	65	2.60	High
Goa	23,000	27	42	31	2.04	Medium
Madhya Pradesh	138,553	10	32	58	2.48	High
Maharashtra	93,142	8	18	74	2.66	High
<b>North</b>						
Haryana	273,459	27	41	32	2.05	Medium
Himachal Pradesh	60,997	45	47	8	1.63	Low
Jammu & Kashmir	39,470	62	32	6	1.44	Low
Punjab	348,096	6	48	46	2.40	High
Uttar Pradesh	807,424	12	55	33	2.21	Medium
<b>South</b>						
Andhra Pradesh	312,521	9	30	61	2.52	High
A & N Islands	8,111	99	-	1	1.02	Low
Karnataka	317,213	7	32	61	2.54	High
Kerala	172,613	29	44	27	1.98	Medium
Puducherry	19,622	2	97	1	1.99	Medium
Tamil Nadu	491,657	12	36	52	2.40	High
<b>India</b>	<b>3,650,004</b>	<b>13</b>	<b>37</b>	<b>50</b>	<b>2.37</b>	<b>High</b>
Source: Paper published in <i>Fertiliser News</i> , Vol.47 (8), August 2002 by FAI, New Delhi on Available Nitrogen, Phosphorus and Potassium Status of Indian Soils as Depicted by Soil Fertility Maps, - Dr. M. R. Motsara. \$ = from November 2011 (Formerly Orissa).						

**Fig. 6: POTASSIUM FERTILITY STATUS OF SOILS OF INDIAN STATES**



Source: 'Available Nitrogen, Phosphorus and Potassium Status of Indian Soils as Depicted by Soil Fertility Maps', – Dr. M.R. Motsara, Fertiliser News, Vol.47 (8), August 2002, FAI, New Delhi.

5.02 TOTAL UPTAKE OF MAJOR NUTRIENTS BY CROPS - SOME ILLUSTRATIVE EXAMPLES							
Group	Crop (main produce)	Total uptake (kg) / tonne of main produce					
		N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	S	Ca	Mg
Cereals	Rice (Paddy)	20.0	11.0	30.0	3.0	7.0	3.0
	Wheat (Grain)	25.0	9.0	33.0	4.7	5.3	4.7
	Maize (Grain)	29.9	13.5	32.8			
	Sorghum (Grain)	16.4	7.7	25.5			
	Pearlmillet (Grain)	31.8	17.4	61.3			
	Fingermillet (Grain)	24.2	9.5	30.6			
Pulses	Chickpea (Grain)	60.7	9.2	39.2	8.7	18.7	7.3
	Pigeonpea (Grain)	70.8	15.3	16.0	7.5	19.2	12.5
	Lentil (Grain)	57.0	14.9	21.6	3.0	7.5	2.0
	Greengram (Grain)	106.0	48.1	73.2	12.0	71.0	43.0
	Blackgram (Grain)	78.9	14.4	65.6	5.6		
Oilseeds	Groundnut (Seed)	58.1	19.6	30.1	7.9	20.5	13.3
	Mustard (Seed)	32.8	16.4	41.8	17.3	42.0	8.7
	Raya (Seed)	64.5	20.6	53.4	16.0	56.5	9.5
	Rocket salad (Seed)	70.0	26.0	61.1	20.7	19.3	9.3
	Soybean (Seed)	70.7	30.9	57.7	6.7	14.0	7.6
	Safflower (Seed)	38.8	8.4	22.0	12.6		
	Sesame (Seed)	51.7	22.9	64.0	11.7	37.5	15.8
	Sunflower (Seed)	63.3	19.1	126.0	11.7	68.3	26.7
	Linseed (Seed)	60.0	18.6	54.0	5.6	31.2	13.1
Castor (Seed)		40.0	9.0	16.0			
Tubers	Potato (Tuber)	3.3	0.9	6.2	0.4	1.0	1.8
	Cassava (Tuber)	5.0	2.3	6.8	0.4	2.7	1.0
Sugar crops	Sugarcane (Cane)	2.1	1.2	3.4	0.3		
Fibres	Cotton (Seed cotton)	43.2	29.3	53.3			
	Jute (Dry fibre)	35.2	20.3	63.2		39.7	8.0
Fruits	Mango (Fruit)	6.7	1.7	6.7			
	Banana (Fruit)	5.6	1.3	20.3			
	Citrus (Fruit)	9.0	2.0	11.7			
	Apple (Fruit)	3.3	1.5	6.0			
	Guava (Fruit)	6.0	2.5	7.5			
	Pineapple (Fruit)	1.8	0.5	6.2			
	Sapota (Fruit)	1.6	0.6	2.1			
	Papaya (Fruit)	2.8	0.8	2.2			
	Grapes (Fruit)	3.9	0.6	6.2			
Ber (Fruit)	4.0	1.8	6.3				
Vegetables	Tomato (Fruit)	2.8	1.3	3.8			
	Cauliflower (Curd)	4.0	2.0	4.0			
	Cabbage (Head)	3.5	1.3	4.2			
	Beetroot (Root)	4.4	2.0	6.7			
	Carrot (Root)	3.9	1.7	6.6			
Onion (Root)	2.7	1.3	3.9				

(Continued)

5.02 TOTAL UPTAKE OF MAJOR NUTRIENTS BY CROPS - SOME ILLUSTRATIVE EXAMPLES (Concluded)							
Group	Crop (main produce)	Total uptake (kg) / tonne of main produce					
		N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	S	Ca	Mg
Plantations	Coconut (1000 Nuts)	8.1	3.9	12.1	0	4.9	1.8
	Oilpalm (Fruit bunches)	3.7	1.0	4.4			
	Cocoa (Dry beans)	22.7	10.2	53.3			
	Tea (Marketable)	178.3	3.5	115.1	10.0	41.7	11.5
	Coffee (Green beans)	129.0	27.0	174.0	5.0		
	Rubber (Latex)	30.0	9.0	72.0			
	Cashew (Nuts)	88.0	25.0	42.0			
	Cardamom (Dry capsules)	260.0	40.0	520.0			
Forages	Hy. Napier (dm)	8.5	5.1	17.8	1.9	4.7	2.8
Grasses*	mean of 7 crops (dm)	9.4	3.4	17.0	2.0	4.6	2.7
Medicinal /	Japanese mint (dm)	12.9	7.5	18.5			
Aromatic plants	Pyrethrum (dm)	15.0	12.0	84.0			

Source: *Fertilizers in Indian Agriculture - from 20th to 21st century (2004)*, H. L. S. Tandon, Fertiliser Development and Consultation Organisation, New Delhi.

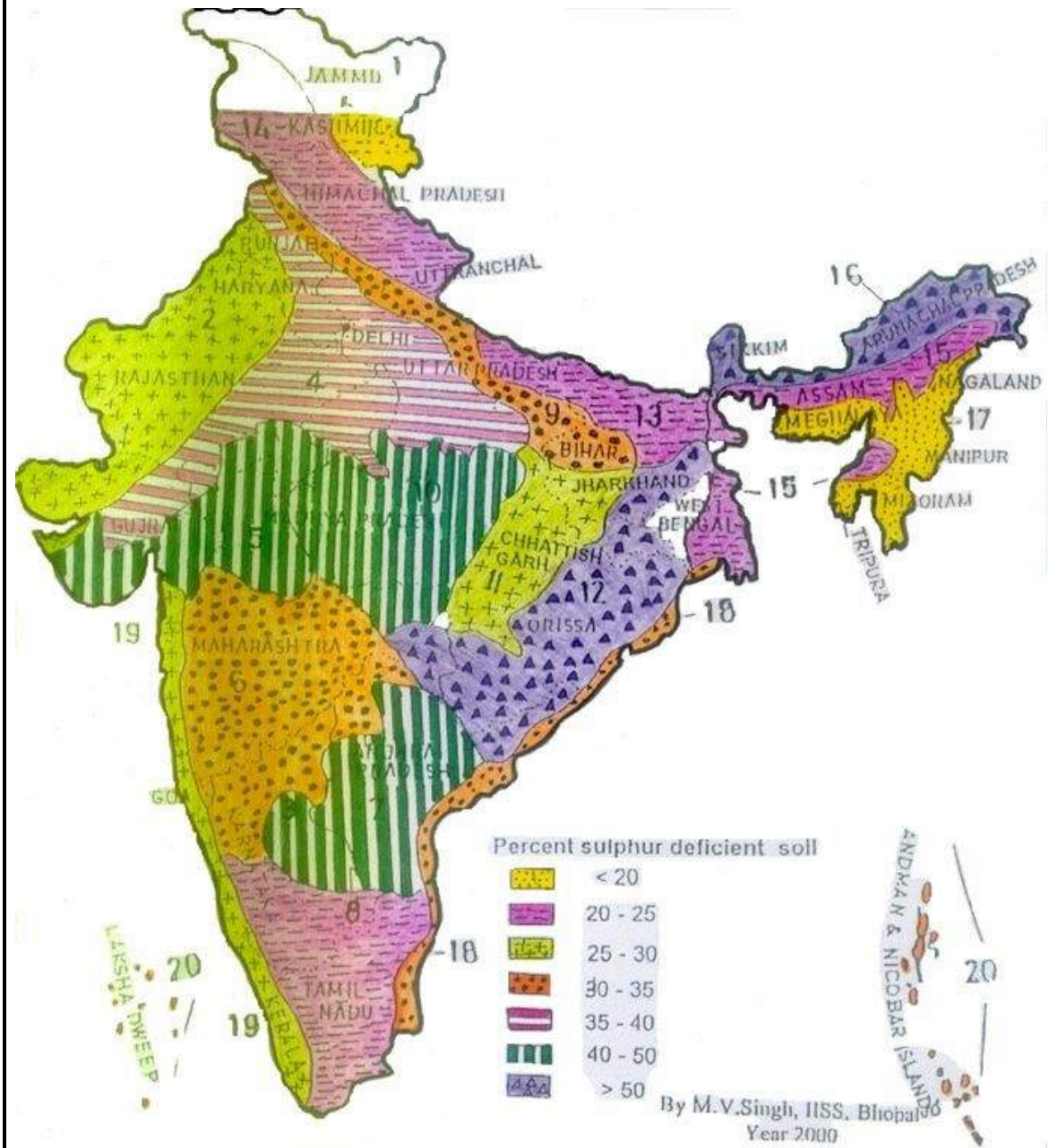
5.03 TRENDS IN GROSS NUTRIENT REMOVALS BY CROPS IN INDIA						
Year	Foodgrain production (million tonnes)	Nutrient	Uptake, million tonnes			
			Foodgrains	Others	Total	
1986	150	N	4.4	1.5	5.9	
		P <sub>2</sub> O <sub>5</sub>	1.7	0.9	2.6	
		K <sub>2</sub> O	7.0	3.3	10.3	
		<b>Total</b>	<b>13.1</b>	<b>5.7</b>	<b>18.8</b>	
1995	192	N	5.6	1.9	7.5	
		P <sub>2</sub> O <sub>5</sub>	2.2	1.2	3.4	
		K <sub>2</sub> O	9.0	4.2	13.2	
		<b>Total</b>	<b>16.8</b>	<b>7.3</b>	<b>24.1</b>	
2000	200	N	5.8	2.0	7.8	
		P <sub>2</sub> O <sub>5</sub>	2.2	1.3	3.5	
		K <sub>2</sub> O	9.3	4.4	13.7	
		<b>Total</b>	<b>17.3</b>	<b>7.7</b>	<b>25.0</b>	
Future-I	225	N	6.6	2.2	8.8	
		P <sub>2</sub> O <sub>5</sub>	2.6	1.4	4.0	
		K <sub>2</sub> O	10.5	4.9	15.4	
		<b>Total</b>	<b>19.7</b>	<b>8.5</b>	<b>28.2</b>	
Future-II	240	N	7.0	2.4	9.4	
		P <sub>2</sub> O <sub>5</sub>	2.7	1.5	4.2	
		K <sub>2</sub> O	11.2	5.3	16.5	
		<b>Total</b>	<b>20.9</b>	<b>9.2</b>	<b>30.0</b>	

Source: *Fertilizers in Indian Agriculture - from 20th to 21st century (2004)*, H. L. S. Tandon, Fertiliser Development and Consultation Organisation, New Delhi. (Basic data source: NCA (1976) : Estimates for 1995 and beyond extrapolated from data for earlier periods).

5.04 EXTENT OF SULPHUR DEFICIENCIES IN MAJOR REGIONS/STATES							
Region/ State	No. of Samples	No. of samples in category			% of samples in category		
		Low	Medium	High	Low	Medium	High
<b>Northern Region</b>	<b>15323</b>	<b>6742</b>	<b>4615</b>	<b>3966</b>	<b>44</b>	<b>30</b>	<b>26</b>
Uttar Pradesh	6250	3063	2375	812	49	38	13
Uttarakhand	1558	660	633	265	42	41	17
Haryana	1515	575	540	400	38	36	26
Punjab	3750	561	715	2474	15	19	66
Himachal Pradesh	2250	1883	352	15	84	16	0
<b>Western Region</b>	<b>12474</b>	<b>5591</b>	<b>3719</b>	<b>3164</b>	<b>45</b>	<b>30</b>	<b>25</b>
Madhya Pradesh	2000	660	1100	240	33	55	12
Chhattisgarh	1492	343	567	582	23	38	39
Gujarat	3016	995	875	1146	33	29	38
Maharashtra	1045	408	282	355	39	27	34
Rajasthan	4921	3185	895	841	65	18	17
<b>Eastern Region</b>	<b>10108</b>	<b>3549</b>	<b>3301</b>	<b>3260</b>	<b>35</b>	<b>33</b>	<b>32</b>
Bihar	600	156	180	264	26	30	44
Odisha \$	2261	469	552	1240	21	24	55
Jharkhand	809	413	251	146	51	31	18
West Bengal	6438	2511	2318	1610	39	36	25
<b>Southern Region</b>	<b>11289</b>	<b>7112</b>	<b>2976</b>	<b>1201</b>	<b>63</b>	<b>26</b>	<b>11</b>
Andhra Pradesh	1880	1053	639	188	56	34	10
Karnataka	1703	732	545	426	43	32	25
Tamil Nadu	1716	446	704	566	26	41	33
Kerala	5990	4881	1088	21	81	18	1
<b>All India</b>	<b>49194</b>	<b>22993</b>	<b>14610</b>	<b>11591</b>	<b>46</b>	<b>30</b>	<b>24</b>
Source : Proceedings of TSI-FAI-IFA Symposium-cum-workshop on <i>Sulphur in Balanced Fertilisation</i> , 2006, R. K. Tewatia, <i>et al.</i> \$ = from November 2011 (Formerly Orissa).							
<b>5.05 (a) TENTATIVE ESTIMATES OF MICRONUTRIENT UPTAKE BY CROPS IN INDIA</b>							
Micronutrient	Uptake						
	Total (in tonnes)	Percent of total (%)	Uptake/ ha net sown area (g)				
Boron	13,519	7.5	94.5				
Copper	3,753	2.1	26.2				
Iron	123,152	68.5	867.3				
Manganese	23,405	13.0	163.7				
Molybdenum	676	0.4	4.7				
Zinc	15,184	8.5	110.5				
<b>Total</b>	<b>179,689</b>		<b>1266.90</b>				
Source: HLS Tandon, <i>Micronutrient Hand Book</i> , Fertiliser Development & Consultation Organisation, New Delhi (2009)							



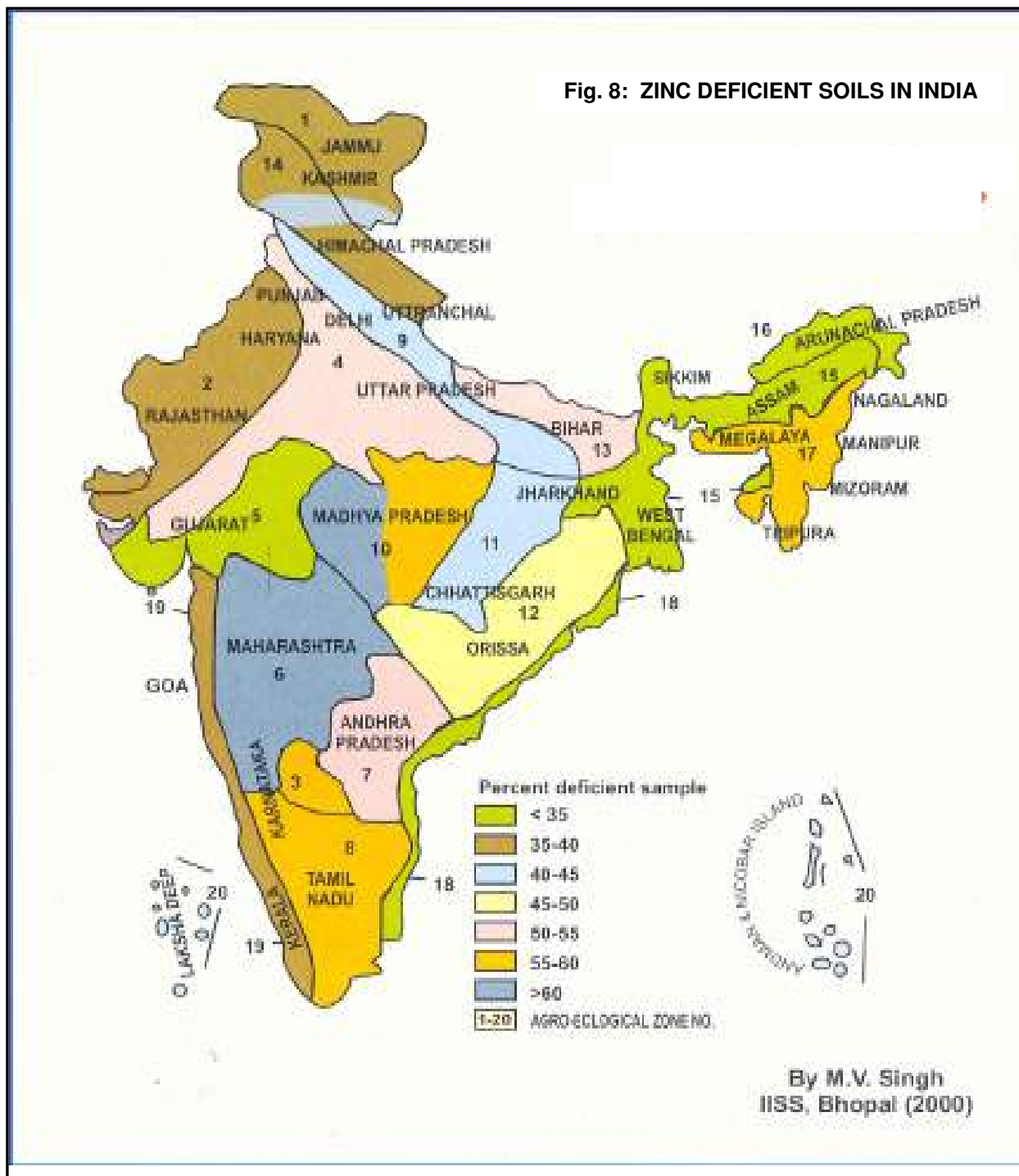
Fig. 7: SULPHUR DEFICIENCY IN SOILS OF INDIA



5.05 (b) DISTRIBUTION OF AVAILABLE MICRONUTRIENT IN SOILS OF VARIOUS STATES													
States	No. soil samples	Zn content (mg/kg)			Cu content (mg/kg)			Fe content (mg/kg)			Mn content (mg/kg)		
		Range	Mean	PSD	Range	Mean	PSD	Range	Mean	PSD	Range	Mean	PSD
Andhra Pradesh	685	0.23-16.0	1.74	15.6	0.44-16.9	12.45	0.0	0.97-16.9	34.2	0.6	5.58-32.5	18.5	0.0
Bihar	43	0.26-2.55	0.57	61.0	1.5-5.9	2.98	0.0	1.25-66.7	18.3	13.0	9.2-42.7	21.7	0.0
Gujarat	144	0.25-3.84	0.77	49.7	0.38-5.18	1.88	0.0	4.4-34.6	9.3	4.2	4.4-108.7	13.4	0.0
Haryana	120	0.11-5.08	-	50.0	1.04-9.5	-	9.4	0.16-138	-	3.4	1.97-7.75	-	14.2
Maharashtra	638	0.14-4.16	0.57	63.2	0.42-8.72	2.37	0.0	0.8-50.2	11.7	13.8	1.4-50.0	21.1	0.0
Madhya Pradesh	30	0.38-1.12	0.71	33.0	0.22-0.78	0.48	3.0	3.20-6.6	4.4	0.0	3.0-6.8	5.0	0.0
Punjab	2107	0.11-4.96	1.05	31.2	0.08-4.4	1.08	1.8	1.18-62.0	16.1	9.7	1.16-35.0	9.7	5.9
Tamil Nadu	315	0.12-5.92	0.82	77.0	0.74-26.2	3.72	2.2	0.16-32	14.3	11.5	0.97-24.2	6.3	2.4
<b>Total</b>	<b>4082</b>	<b>0.11-16.0</b>	<b>1.02</b>	<b>38.7</b>	<b>0.08-26.2</b>	<b>3.40</b>	<b>3.5</b>	<b>0.16-166</b>	<b>17.60</b>	<b>7.80</b>	<b>0.97-109</b>	<b>13.0</b>	<b>3.7</b>
mg/kg = milligram per kilogram      PSD = % deficient samples													
Source : M V Singh, Project Coordinator (Micronutrients): <i>Micro-and Secondary- Nutrients and Pollutant Elements Research in India, (2006)</i> , (Page no.18), Indian Institute of Soil Science, Nabibagh, Berasia Road, Bhopal (MP).													
5.05 (c) STATUS OF BORON AND SULPHUR CONTENT IN SOILS OF VARIOUS STATES													
States	No. soil samples	B content (mg/kg)			No. of soil samples	S content (mg/kg)							
		Range	Mean	PSD		Range	Mean	PSD					
Andhra Pradesh	40	0.13-1.01	0.52	52.90	1104	2.5-96.8	13.47	47.0					
Bihar	128	0.08-4.91	1.32	9.80	128	0.5-244.7	34.06	59.0					
Gujarat					1389	0.7-268.6	19.91	40.4					
Madhya Pradesh	638	0.07-2.23	0.67	21.10	638	1.4-40.6	11.1	47.4					
Odisha \$	471	0.07-6.67	0.88	27.30	772	0.18-67.9	16.70	41.3					
Punjab	1570	0.05-3.92	0.77	25.10									
Tamil Nadu					350	3.2-173.5	31.27	17.3					
Uttar Pradesh					200	1.0-92.0	36.30	20.0					
<b>Total</b>	<b>2847</b>	<b>0.05-6.67</b>	<b>0.78</b>	<b>24.20</b>	<b>4581</b>	<b>0.5-244.7</b>	<b>18.57</b>	<b>40.1</b>					
mg/kg = milligram per kilogram      PSD = % deficient samples      \$ = from November 2011 (Formerly Orissa).													
Source : M V Singh, Project Coordinator (Micronutrients): <i>Micro-and Secondary- Nutrients and Pollutant Elements Research in India, (2006)</i> , page 18, Indian Institute of Soil Science, Nabibagh, Berasia Road, Bhopal (MP).													

5.06 EXTENT OF ZINC DEFICIENCY IN SOILS OF VARIOUS STATES OF INDIA											
State	Soil Samples (No.)					Deficient Sample (%)					
Andhra Pradesh	8,843					46.8					
Bihar	19,257					54.0					
Punjab	18,590					46.1					
Gujarat	30,296					23.9					
Haryana	21,968					60.5					
Madhya Pradesh	33,505					44.2					
Tamil Nadu	28,402					58.6					
Uttar Pradesh	26,126					45.7					
Maharashtra	545					83.0					
Odisha	16,653					52.5					
Meghalaya	95					57.0					
Puducherry	4,108					8.0					
West Bengal	6,547					36.0					
Rajasthan	183					21.0					
Assam	2,165					34.0					
Delhi	201					20.0					
Himachal Pradesh	155					42.0					
Jammu & Kashmir	93					12.0					
Karnataka	27,860					72.8					
Kerala	650					34.0					
<b>All India</b>	<b>2,56,355</b>					<b>48.8</b>					
Source: Reference: Dr M.V. Singh (2001),(2007), Project Coordinator (Micronutrients), IISS, Bhopal.											
5.07 PERIODICAL CHANGES IN DEFICIENCY STATUS OF AVAILABLE (DTPA-EXTRACTABLE) MICRONUTRIENTS IN SOILS OF DIFFERENT ZONES OF INDIA											
Zones	No. of samples	1980- 2008				No. of samples	2009-2014				
		Zn	Fe	Cu	Mn		Zn	Fe	Cu	Mn	
East	54061	47.3	0.4	1.4	4.9	17675	29.8	5.3	2.1	3.5	
North	64906	51.2	12.8	1.3	3.1	15859	19.3	11.4	4.5	7.9	
South	68863	59.9	21.6	5.1	9.6	42602	54.3	12.3	9.8	6.5	
West	63717	34.7	7.6	19.4	2.4	21328	48.8	17.9	0.2	3.6	
<b>All India</b>	<b>251547</b>	<b>48.6</b>	<b>11.2</b>	<b>7.0</b>	<b>5.1</b>	<b>97464</b>	<b>43.0</b>	<b>12.1</b>	<b>7.0</b>	<b>5.5</b>	
Source: Shukla <i>et al.</i> , (2014), <i>Indian Journal of Fertilisers</i> , Vol. 10 (12),pp. 94-112, FAI, New Delhi.											

Fig. 8: ZINC DEFICIENT SOILS IN INDIA



5.08 NUTRIENT CONTENTS OF FERTILISERS								
Sl. No.	Material	Total nitrogen	Ammoniacal nitrogen	Total phosphate P <sub>2</sub> O <sub>5</sub>	Water soluble phosphate P <sub>2</sub> O <sub>5</sub>	Total potash	Water soluble potash	Sulphur
<b>NITROGENOUS MATERIALS</b>								
1	Ammonium sulphate	20.6	20.6	...	...	...	...	23.0
2	Ammonium chloride	25.0	25.0	...	...	...	...	...
3	Calcium ammonium nitrate 25% N	25.0	12.5	...	...	...	...	...
4	Calcium ammonium nitrate 26% N	26.0	13.0	...	...	...	...	...
5	Urea	46.0	...	...	...	...	...	...
<b>PHOSPHATIC MATERIALS</b>								
6	Single superphosphate	...	...	16	14.5	...	...	11.0
7	Triple superphosphate	...	...	46.0	42.5	...	...	...
8	Rockphosphate (For direct application)	...	...	18.0	...	...	...	...
<b>POTASSIC MATERIALS</b>								
9	Potassium chloride (Muriate of potash)	...	...	...	...	60.0	60.0	...
10	Potassium sulphate	...	...	...	...	50.0	50.0	17.5
<b>COMPLEXES</b>								
11	Diammonium phosphate (18-46-0)	18	15.5	46.0	41.0	...	...	...
12	Ammonium phosphate sulphate (16-20-0)	16	16	20	19.5	...	...	13.0
13	Ammonium phosphate sulphate (20-20-0) b	20.0	18.0	20.0	17.0	...	...	13.0
14	Ammonium phosphate sulphate nitrate (20-20-0)	20.0	17.0	20.0	17.0	...	...	13.0
15	Urea ammonium phosphate (28-28-0)	28.0	9.0	28.0	25.2	...	...	...
16	Urea ammonium phosphate (24-24-0)	24.0	7.5	24.0	20.4	...	...	...
17	Urea ammonium phosphate (20-20-0)	20.0	6.4	20.0	17.0	...	...	...
18	Nitrophosphate (20-20-0)	20	10	20	12	...	...	...
19	Nitrophosphate (24-24-0)	24.0	13.5	24.0	20.5	...	...	...
20	Mono ammonium phosphate (11-52-0)	11.0	11.0	52.0	44.2	...	...	...
<b>NITROGEN-POTASSIUM MATERIALS</b>								
21	Potassium nitrate (13-0-45)	13.0 a	...	...	...	45.0	45.0	...
<b>COMPLEXES</b>								
22	Nitrophosphate with potash (15-15-15)	15.0	7.5 a	15.0	4.0	15.0	15.0	...
23	NPK (15-15-15)	15.0	12.0	15.0	12.0	15.0	15.0	...
24	NPK (15-15-15-9)	15.0	12.0	15.0	12.0	15.0	15.0	9.0
25	NPK (10-26-26)	10.0	7.0	26.0	22.1	26.0	26.0	...
26	NPK (12-32-16)	12.0	9.0	32.0	27.2	16.0	16.0	...
27	NPK (14-35-14)	14.0	14.0	35.0	29.0	14.0	14.0	...
28	NPK (16-16-16)	16.0	8.0 a	16.0	12.0	16.0	16.0	...
29	NPK (17-17-17)	17.0	5.0	17.0	14.5	17.0	17.0	...
30	NPK (17-17-17)	17.0	8.5 a	17.0	13.6	17.0	17.0	...
31	NPK (14-28-14)	14.0	8.0	28.0	23.8	14.0	14.0	...
32	NPK (19-19-19)	19	5.6	19	16.2	19	19	...
a = All in nitrate form.								
Source : <i>Fertiliser (Control) Order, 1985</i> (As amended upto April, 2015).								

5.09 MICRO-NUTRIENT CONTENTS OF MICRONUTRIENT FERTILISERS@						
Sl.No.	Materials	Element/Forms	Contents(%)			
1	Zinc Sulphate Heptahydrate	Zn	21.0			
2	Zinc Sulphate mono-hydrate	Zn	33.0			
3	Manganese Sulphate	Mn	30.5			
4	Ammonium Molybdate	Mo	52.0			
5	Borax (Sodium Tetraborate) for soil application	B	10.5			
6	Boric Acid	B	17.0			
7	Copper Sulphate	Cu	24.0			
8	Ferrous Sulphate	Total Fe	19.5			
		Ferrous Iron	19.0			
		Ferric Iron	0.5			
9	Chelated Zn (EDTA form)	Zn	12.0			
10	Chelated Fe (EDTA form)	Fe	12.0			
11	Magnesium Sulphate	Mg	9.6			
12	Di-Sodium Octa Borate Tetra Hydrate	B	20.0			
13	Di-Sodium Tetra Borate Penta Hydrate	B	15.0			
14	Zinc Sulphate Monohydrate (Granular)	Zn	33.0			
@ Specifications as per FCO amendment upto November 2012.						
5.10 MICRONUTRIENT CONTENT OF SOME FERTILISERS						
Fertiliser	Zn	Cu	Fe	Mn	B	Mo
<----- ppm ----->						
Urea	4.0	0.6	36	0.5	1.0	5.3
Calcium Amm. Nitrate	7.6	2.8	407	24.8	9.0	56.0
Amm. Sulphate Nitrate	54.7	1.9	490	53.8	6.5	5.0
Ammonium Sulphate	11.3	0.8	23	3.5	6.0	6.0
Triple Super phosphate	418.0	49.3	3483	75.0	212.5	270.0
Single Super Phosphate	165.3	15.5	4050	890.0	132.5	335.0
Rock Phosphate	187.0	32.0	19917	975.0	71.5	555.0
Basic slag*	4-59	9.2-56.4	-	6.9	33.4	10.0
Potassium Chloride	10.0	3.1	110	3.5	16.3	26.0
Potassium Sulphate*	2.0	5.6-10.4	-	2.2-13.0	4.0	0.2
Nitrophosphate 15-15-15	40.0	14.0	3630	532.0	143.5	132.5
Nitrophosphate 20-20-0	45.5	5.4	4507	120.0	133.5	139.7
Amm. Phos. Sulphate 20-20-0	163.5	9.4	2425	52.0	241.5	248.5
NPK 12-32-16	114.3	16.4	9258	230.0	207.0	91.5
NPK 10-26-26	38.0	13.3	7750	116.5	176.0	88.0
Diammonium Phosphate	112.3	7.2	11275	307.0	396.3	75.3
Source : Arora et al.(1975) in most cases, Kanwar (1969) for * and B in ammonium sulphate. Published in <i>Methods of Analysis of Soils, Plants, Waters and Fertilisers (1993)</i> , Fertiliser Development and Consultation Organisation, New Delhi.						

5.11 AVERAGE CHEMICAL COMPOSITION OF SOME ORGANIC MANURES			
Material	Nitrogen (as N)	Phosphate (as P <sub>2</sub> O <sub>5</sub> )	Potash (as K <sub>2</sub> O)
<b>I. Bulky organic manures</b>			
Farmyard manure	0.5—1.5	0.4—0.8	0.5—1.9
Compost (Urban)	1.0—2.0	1.0	1.5
Compost (Rural)	0.4—0.8	0.3—0.6	0.7—1.0
Green manures (various averages)	0.5—0.7	0.1—0.2	0.6—0.8
<b>II. Oil cake</b>			
(a) Non-edible cake			
Castor cake	5.5—5.8	1.8—1.9	1.0—1.1
Mahua cake	2.5—2.6	1.8—1.9	1.8—1.9
Karanj cake	3.9—4.0	0.9—1.0	1.3—1.4
Neem cake	5.2—5.3	1.0—1.1	1.4—1.5
Safflower cake (undecorticated)	4.8—4.9	1.4—1.5	1.2—1.3
(b) Edible cake			
Coconut	3.0—3.2	1.8—1.9	1.7—1.8
Cotton seed (Decorticated) cake	6.4—6.5	2.8—2.9	2.1—2.2
Cotton seed (Undecorticated) cake	3.9—4.0	1.8—1.9	1.6—1.7
Groundnut cake	7.0—7.2	1.5—1.6	1.3—1.4
Linseed cake	5.5—5.6	1.1—1.5	1.2—1.3
Niger cake	4.7—4.8	1.8—1.9	1.3—1.4
Rapeseed cake	5.1—5.2	1.8—1.9	1.1—1.3
Sesamum or til cake	6.2—6.3	2.0—2.1	1.2—1.3
<b>III. Manure of animal origin</b>			
Fish manure	4.0—10.0	3.0—9.0	0.3—1.5
Bird guano	7.0—8.0	11.0—14.0	2.0—3.0
Bonemeal (Raw)	3—4	20—25	—
Bonemeal (Steamed)	1.0—2.0	25—30	—
Activated sludge (Dry)	5.0—6.5	3.0—3.5	0.5—0.7
Settled sludge (Dry)	2.0—2.5	1.0—1.2	0.4—0.5
Night soil	1.2—1.3	0.8—1.0	0.4—0.5
Human urine	1.1—1.2	0.1—0.2	0.2—0.3
Cattle dung and urine mixed	0.6	0.15	0.45
Horse dung and urine mixed	0.7	0.25	0.55
Sheep dung and urine mixed	0.95	0.35	1
Source : (1) C.N. Acharya (1957), <i>Organic Manures</i> , I.C.A.R. Review Series No. 2. (2) J.A. Doji (1955), <i>Manures Manuring</i> , I.C.A.R. Farm Bulletin No. 7. (3) Van Slyke (1953), <i>Fertiliser and Crop Production</i> , Published by Orange Jodd. Publishing Co. New York.			

5.12 TOTAL LEAD, CHROMIUM AND CADMIUM CONTENT OF SOME FERTILISERS								
Fertilisers	Lead (ppm)		Chromium (ppm)	Cadmium (ppm)				
	A	B	A	B				
Calcium ammonium nitrate	116	200	9	6				
Urea	-	4	6	1				
Single Superphosphate	487	609	88	187				
Rockphosphate	962	1135	184	303				
Muriate of potash	117	88	13	14				
Diammonium Phosphate	195	188	81	109				
Nitrophosphate 15-15-15	285	313	54	89				
Source : A = Arora et al. (1975). B = Singh (1976), Published in <i>Methods of Analysis of Soils, Plants, Waters and Fertilisers</i> ' (1993), Fertiliser Development and Consultation Organisation, New Delhi.								
5.13 GRADES OF WATER SOLUBLE FERTILISERS IN FCO								
Name of Product	Nutrient Consumption (%)							
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	S	Ca	MgO	Zn	B
Potassium Nitrate (13:0:45)	13.0	0.0	45.0	-	-	-	-	-
Mono -Potassium Phosphate (0:52:34)	0.0	52.0	34.0	-	-	-	-	-
Calcium Nitrate	15.5	-	-	-	18.8	-	-	-
NPK (13:40:13)	13.0	40.0	13.0	-	-	-	-	-
NPK (18:18:18)	18.0	18.0	18.0	-	-	-	-	-
NPK (13:5:26)	13.0	5.0	26.0	-	-	-	-	-
NPK (6:12:36)	6.0	12.0	36.0	-	-	-	-	-
NPK (20:20:20)	20.0	20.0	20.0	-	-	-	-	-
Potassium -Magnesium Sulphate	-	-	22.0	20.0	-	18.0	-	-
NPK (19:19:19)	19.0	19.0	19.0	-	-	-	-	-
Mono- Ammonium Phosphate (12:61:0)	12.0	61.0	0.0	-	-	-	-	-
Urea Phosphate (17:44:0)	17.0	44.0	0.0	-	-	-	-	-
NPK (12:30:15)	12.0	30.0	15.0	5.2	-	-	-	-
NPK (12:32:14)	12.0	32.0	14.0	4.8	-	-	-	-
Urea Phosphate with SOP (18:18:18)	18.0	18.0	18.0	6.1	-	-	-	-
NPK Zn (7.6:23.5:7.6:3.5)	7.6	23.5	7.6	-	-	-	3.5	-
NPK ZnB (12.0:42.0:7.0:0.3)	12.0	-	42.0	-	-	-	0.7	0.3
Source: <i>The Fertiliser (Control) Order 1985 (as amended upto April 2015)</i>								



5.14 GRADES OF FORTIFIED FERTILISERS IN FCO								
Name of Product	Nutrient Consumption (%)							
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	S	Ca	MgO	B	Zn
Boronated Single Superphosphate (16% P <sub>2</sub> O <sub>5</sub> Powdered)	-	16.0	-	11.0	-	-	0.15-0.20	-
Zincated Urea	43.0	-	-	-	-	-	-	2.0
Zincated Phosphate (Suspension ) - for Seed Treatment	-	13.9	-	-	-	-	-	17.6
NPK Complex Fertiliser Fortified with Boron (10:26:26:0.3)	10.0	26.0	26.0	-	-	-	0.3	-
NPK Complex Fertiliser Fortified with Boron (12:32:16:0.3)	12.0	32.0	16.0	-	-	-	0.3	-
NPK Complex Fertiliser Fortified with Boron (24:24:0:0.2)	24.0	24.0	-	-	-	-	0.2	-
Diammonium Phosphate Fortified with Boron (18:46:0:0.3)	18.0	46.0	-	-	-	-	0.3	-
NPK Complex Fertiliser Fortified with Zinc (10:26:26:0.5)	10.0	26.0	26.0	-	-	-	-	0.5
NPK Complex Fertiliser Fortified with Zinc (12:32:16:0.5)	12.0	32.0	16.0	-	-	-	-	0.5
Calcium Nitrate with Boron	14.6	-	-	-	17.1	-	0.25	-
Nitrophosphate with Potash fortified with Boron(15:15:15:B0.2)	15.0	15.0	15.0	-	-	-	0.2	-
DAP fortified with Zinc (18:46:0:0.5)	18.0	46.0	-	-	-	-	-	0.5
Bentonite sulphur with Zinc	-	-	-	65.0	-	-	-	18.0
SSP fortified with Zinc	-	16.0	-	11.0	-	-	-	0.5
<i>Source: The Fertiliser (Control) Order 1985 (as amended upto April 2015)</i>								

**6.00 IMPORT, EXPORT AND AVAILABILITY OF AGRICULTURAL PRODUCTS**

<b>6.01 IMPORT OF AGRICULTURAL PRODUCTS</b>				
<b>2013-14 and 2014-15</b>				
(Quantity in thousand tonnes)				
(Value in ₹ crore)				
Item	2013-14		2014-15 (P)	
	Quantity	Value	Quantity	Value
Pulses	3643.71	12792.62	4584.84	17062.93
Wheat	26.92	26.92	29.49	61.34
Rice	8.29	8.29	1.96	10.83
Other Cereals	98.03	99.32	23.40	61.81
<b>Total foodgrains</b>	<b>3,776.95</b>	<b>12,927.15</b>	<b>4,639.69</b>	<b>17,196.91</b>
Cereal Preparations	51.56	346.17	57.20	404.29
Spices	155.58	3,451.69	161.07	4,391.84
Dairy products	-	232.68	-	375.01
Cashew nuts	776.34	4,667.80	940.80	6,599.74
Groundnut	0.11	0.36	0.13	0.49
Fruits/Vegetable Seeds	8.29	449.48	14.01	611.41
Fresh Fruits	769.14	7,715.96	858.11	9,543.86
Spices	155.58	3,451.69	161.07	4,391.84
Sugar	880.96	2,286.86	1,538.63	3,668.21
Oil seeds	54.70	166.79	51.35	163.10
Vegetable oil fixed (edible)	7,942.89	44,038.04	11,547.76	59,094.33
Poultry Products		23.39		38.22
Cotton (raw & waste)	180.98	2,375.78	258.88	3,101.08
Jute (raw)	52.65	146.25	44.00	139.58
Tea	22.74	291.68	27.44	388.73
Processed Vegetables		173.94		104.20
Processed Fruits Juices		410.83		496.00
Others		<b>4,309.12</b>		<b>4,725.65</b>
<b>Total Agricultural Imports</b>		<b>87,465.66</b>		<b>1,15,434.49</b>
<b>Total National Imports</b>		<b>27,15,433.91</b>		<b>27,33,935.41</b>
<b>% share of Agricultural Import in National Imports</b>		<b>3.22</b>		<b>4.22</b>
Note : 1 crore = 10 million (P) : Provisional				
Source : 1. Directorate General of Commercial Intelligence & Statistics, Ministry of Commerce, Govt. of India				
2. <i>Pocket Book of Agricultural Statistics 2015</i> , Ministry of Agriculture & Farmers Welfare, Govt. of India.				

<b>6.02 EXPORT OF PRINCIPAL AGRICULTURAL COMMODITIES</b>				
<b>2013-14 and 2014-15</b>				
(Quantity in thousand tonnes)				
(Value in ₹ crore)				
Items	2013-14		2014-15 (P)	
	Qty.	Value	Qty.	Value
Pulses	345.66	1,749.30	222.10	1,218.10
Rice Basmati	3,754.09	29,291.82	3,702.26	27,598.71
Rice (other than Basmati)	7,136.14	17,795.21	8,225.53	20,336.00
Wheat	5,572.01	9,277.65	2,914.74	4,974.61
Other Cereals	4,926.05	7,178.14	3,510.55	5,258.41
<b>Sub-Total (foodgrains)</b>	<b>21,733.95</b>	<b>65,292.12</b>	<b>18,575.18</b>	<b>59,385.83</b>
Tea	249.91	4,873.34	215.21	4,166.14
Coffee	253.90	4,799.10	221.39	4,973.25
Tobacco Unmanufactured	237.11	4,782.74	219.57	4,162.70
Tobacco Manufactured		1,351.72		1,705.85
Dairy products		4,407.78		2,161.68
Floriculture Products		455.90		460.76
Spices	895.91	15,146.36	923.27	14,842.36
Cashewnut Shell Liquid	9.48	38.61	10.94	55.81
Cashew	120.68	5,095.49	134.49	5,565.77
Sesamum & Niger Seed	278.28	3,697.07	393.70	4,826.00
Groundnut	509.75	3,187.66	708.39	4,675.38
Guargum Meal	601.96	11,735.41	665.22	9,479.91
Oil Meals	9,830.21	17,070.13	3,904.38	8,128.60
Castor oil	544.80	4,364.33	546.50	4,710.18
Shellac	7.74	513.96	5.24	267.47
Sugar	2,535.31	7,178.50	1,954.44	5,326.66
Molasses	211.66	147.29	213.46	171.04
Fruits/Vegetable Seeds	19.34	416.58	12.50	427.03
Fresh Fruits	525.18	3,645.62	484.41	3,148.08
Fresh Vegetables	2,288.29	5,384.47	2,019.33	4,611.64
Processed Vegetables		1,288.86		1,725.34
Processed Fruits Juices		3,332.05		3,625.68
Meat & Preparations	1,389.02	27,163.01	1,499.80	30,127.37
Miscellaneous Processed Items		2,531.48		2,795.97
Marine products	1,192.88	30,627.28	1,073.27	33,685.45
Cotton Raw incl. Waste	1,947.68	22,337.84	1,142.53	11,642.65
Jute Hessian		859.59		761.88
Poultry Products		566.81		651.20
Others		<b>10,487.86</b>		<b>11,185.55</b>
<b>Total Agricultural Exports</b>		<b>2,62,778.96</b>		<b>2,39,453.23</b>
<b>Total National Exports</b>		<b>19,05,011.09</b>		<b>18,91,644.67</b>
<b>% Share of Agricultural Exports in National Exports</b>		<b>13.79</b>		<b>12.66</b>
Note : 1 crore = 10 million				
Source : 1. Directorate General of Commercial Intelligence & Statistics, Ministry of Commerce, Govt. of India				
2. Pocket Book of Agricultural Statistics 2015, Ministry of Agriculture & Farmers Welfare, Govt. of India.				

6.03 BALANCE OF TRADE (1971-72 to 2015-16)			
Year	Exports	Imports	Balance of trade
	(including re-exports)		
1971-72	1,608	1,825	(-) 217
1972-73	1,971	1,867	(+) 104
1973-74	2,523	2,955	(-) 432
1974-75	3,329	4,519	(-) 1190
1975-76	4,036	5,265	(-) 1229
1976-77	5,142	5,074	(+) 68
1977-78	5,408	6,020	(-) 612
1978-79	5,726	6,811	(-) 1085
1979-80	6,418	9,143	(-) 2725
1980-81	6,711	12,549	(-) 5838
1981-82	7,806	13,608	(-) 5802
1982-83	8,803	14,293	(-) 5490
1983-84	9,771	15,831	(-) 6060
1984-85	11,744	17,134	(-) 5390
1985-86	10,895	19,658	(-) 8763
1986-87	12,452	20,096	(-) 7644
1987-88	15,674	22,244	(-) 6570
1988-89	20,232	28,235	(-) 8003
1989-90	27,658	35,328	(-) 7670
1990-91	32,553	43,198	(-) 10645
1991-92	44,041	47,851	(-) 3810
1992-93	53,688	63,375	(-) 9687
1993-94	69,751	73,101	(-) 3350
1994-95	82,674	89,971	(-) 7297
1995-96	1,06,353	1,22,678	(-) 16325
1996-97	1,18,817	1,38,920	(-) 20103
1997-98	1,30,100	1,54,176	(-) 24076
1998-99	1,39,752	1,78,332	(-) 38580
1999-2000	1,59,095	2,15,529	(-) 56434
2000-01	2,01,356	2,28,307	(-) 26950
2001-02	2,09,018	2,45,200	(-) 36182
2002-03	2,54,913	2,96,360	(-) 41446
2003-04	2,93,367	3,59,108	(-) 65741
2004-05	3,75,340	5,01,065	(-) 125725
2005-06	4,56,418	6,60,409	(-) 203991
2006-07	5,71,779	8,81,515	(-) 309736
2007-08	6,55,864	10,12,312	(-) 356448
2008-09	8,40,755	13,74,436	(-) 533680
2009-10	8,45,534	13,63,736	(-) 518202
2010-11	11,36,964	16,83,467	(-) 546503
2011-12	14,65,959	23,45,463	(-)879504
2012-13	16,34,318	26,69,162	(-)1034844
2013-14	19,05,011	27,15,434	(-)810423
2014-15	18,96,348	27,37,087	(-)840738
2015-16(Apr-Dec)(P)	12,73,323	19,15,849	(-)642526

(P) = Provisional.

Source: 1.. Directorate General of Commercial Intelligence & Statistics, Ministry of Commerce, Govt. of India  
2. Economic Survey 2015-16, Ministry of Finance, Government of India, New Delhi.

6.04 NET AVAILABILITY OF CEREALS AND PULSES 1961 to 2014									
Year	Population (million)	Cereals				Pulses Net availability (million tonnes)	Per capita net availability per day (grams)		
		Net production (million tonnes)	Net imports (million tonnes)	Change in government stocks (million tonnes)	Net availability* (million tonnes)		Cereals	Pulses	Total
1	2	3	4	5	6	7	8	9	10
1961	442.4	60.9	3.5	(-) 0.2	64.6	11.1	399.7	69.0	468.7
1966	493.2	54.6	10.3	(+) 0.1	64.8	8.7	359.9	48.2	408.1
1971	551.3	84.5	2.0	(+) 2.6	84.0	10.3	417.6	51.2	468.8
1972	563.9	82.3	(-) 0.5	(-) 4.7	86.5	9.7	419.1	47.0	466.1
1973	576.8	76.2	3.6	(-) 0.3	80.1	8.7	350.5	41.1	421.6
1974	590.0	82.8	5.2	(-) 0.4	88.4	8.8	410.4	40.8	451.2
1975	603.5	78.6	7.5	(+) 5.6	80.6	8.8	365.8	39.7	405.5
1976	617.2	94.5	0.7	(+) 10.7	84.4	11.4	373.8	50.5	424.3
1977	631.3	87.3	0.1	(-) 1.6	89.0	10.0	386.3	43.3	429.6
1978	645.7	100.1	(-) 0.8	(-) 0.3	99.6	10.7	422.5	45.5	468.0
1979	660.3	104.8	(-) 0.3	(+) 0.4	104.1	10.8	431.8	44.7	476.5
1980	675.2	88.5	(-) 0.5	(-) 5.8	93.8	7.6	379.5	30.9	410.4
1981	688.5	104.1	0.5	(-) 0.2	104.8	9.4	417.3	37.5	454.8
1982	703.8	106.6	1.6	(+) 1.3	106.8	10.1	415.6	39.2	454.8
1983	718.9	103.0	4.1	(+) 2.7	104.4	10.4	397.8	39.5	437.3
1984	734.5	122.0	2.4	(+) 7.1	117.4	11.3	437.8	41.9	479.7
1985	750.4	116.9	(-) 0.3	(+) 2.7	113.9	10.5	415.6	38.4	454.0
1986	766.5	119.9	(-) 0.1	(-) 1.6	121.5	12.3	434.2	43.9	478.1
1987	782.7	115.2	(-) 0.4	(-) 9.5	124.4	10.4	435.4	36.4	471.8
1988	799.2	113.2	2.3	(-) 4.6	120.1	10.7	411.8	36.7	448.5
1989	815.8	136.6	0.8	(+) 2.6	134.7	12.5	452.6	41.9	494.5
1990	832.6	138.4	Neg.	(+) 6.2	132.3	12.5	435.3	41.1	476.4
1991	851.7	141.9	(-) 0.6	(-) 4.4	145.7	12.9	468.5	41.6	510.1
1992	867.8	136.8	(-) 0.7	(-) 1.6	137.7	10.9	434.5	34.3	468.8
1993	883.9	145.8	2.6	(+) 10.3	138.1	11.7	427.9	36.2	464.1
1994	899.9	149.6	0.5	(+) 7.5	142.6	12.2	434.0	37.2	471.2
1995	922.0	155.3	(-) 3.0	(-) 1.7	154.0	12.7	457.6	37.8	495.4
1996	941.6	147.1	(-) 3.5	(-) 8.5	152.1	11.3	442.5	32.7	475.2
1997	959.8	162.0	(-) 0.6	(-) 1.8	163.2	13.0	466.0	37.1	503.1
1998	978.1	156.9	(-) 2.9	(+) 6.1	147.9	11.7	414.2	32.8	447.0
1999	996.4	165.1	(-) 1.5	(+) 7.5	156.1	13.3	429.2	36.5	465.7
2000	1014.8	171.8	(-) 1.4	(+) 13.9	156.6	11.7	422.7	31.8	454.4
2001	1033.2	162.5	(-) 4.5	(+) 12.3	145.6	11.3	386.2	30.0	416.2
2002	1050.6	174.5	(-) 8.5	(-) 9.9	175.9	13.6	458.7	35.4	494.1
2003	1068.2	143.2	(-) 7.1	(-) 23.2	159.3	11.3	408.5	29.1	437.6
2004	1085.6	173.5	(-) 7.7	(-) 3.3	169.1	14.2	426.9	35.8	462.7
2005	1102.8	162.1	(-) 7.2	(-) 2.4	157.3	12.7	390.9	31.5	422.4
2006	1119.8	170.8	(-) 3.8	(-) 1.8	168.8	13.3	412.8	32.5	445.3
2007	1136.6	177.7	(-) 7.0	(+) 1.7	169.0	14.7	407.4	35.5	442.8
2008	1153.1	197.3	(-) 14.4	(+) 17.0	165.9	17.6	394.2	41.8	436.0
2009	1169.4	192.4	(-) 7.2	(+) 11.5	173.7	15.8	407.0	37.0	444.0
2010	1185.8	178.0	(-) 4.7	(-) 0.5	173.8	15.3	401.7	35.4	437.1
2011	1201.9	198.0	(-) 9.6	(+) 8.3	180.1	18.9	410.6	43.0	453.6
2012	1213.4	211.9	(-) 19.8	(+) 11.2	181.0	18.4	408.6	41.7	450.3
2013	1228.8	208.9	(-) 71.9	(-) 23.6	160.6	19.4	358.1	43.3	401.4
2014	1244.0	215.1	(-) 19.4	(-) 6	201.6	21.4	444.1	47.2	491.2

\* Net availability = Col.(3+4-5). Neg = Negligible. (P) = Provisional

Notes: (1) Population figures relates to mid year.  
(2) Production figures relate to the agricultural year July-June: 1961 figures correspond to the production of 1960-61 and so on for subsequent years.  
(3) Net production has been taken as 87.5% of the gross production, 12.5% being provided for seeds, feed requirements and waste.  
(4) The net availability of foodgrains divided by the population estimates for a particular year indicate per capita availability of foodgrains in terms of kg/year. Net availability, thus worked out further divided by the number of days in a year i.e., 365 days gives us net availability of foodgrains in terms of grams/day.  
(5) Per capita net availability given above is not strictly representative of the actual level of consumption in the country, because it does not take into account any change in stocks in possession of traders, producers and consumers.  
(6) For calculation of per capita net availability, the figures of net imports from 1981 to 1994 are based on imports and exports on G.O.I account only. Net import from 1995 are, however, based on the total exports and imports (both government and private accounts)

Source: *Economic Survey 2015-16*, Ministry of Finance, Govt. of India.

6.05 NET AVAILABILITY, PROCUREMENT AND PUBLIC DISTRIBUTION OF FOODGRAINS (1951 to 2015)								
Year	Net Production of foodgrains (million tonnes)	Net imports (million tonnes)	Net availability of foodgrains @ (million tonnes)	Procurement (million tonnes)	Public distribution # (million tonnes)	Col.3 as % of Col.4	Col.5 as % of Col.2	Col.6 as % of Col.4
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1951	48.1	4.8	52.4	3.8	8.0	9.2	7.9	15.3
1956	60.7	1.4	62.6	neg.	2.1	2.2	neg.	3.4
1961	72.0	3.5	75.7	0.5	4.0	4.6	0.7	5.3
1966	63.3	10.3	73.5	4.0	14.1	14.0	6.3	19.2
1971	94.9	2.0	94.3	8.9	7.8	2.1	9.3	8.3
1976	105.9	0.7	95.8	12.8	9.2	0.7	12.1	9.6
1981	113.4	0.7	114.3	13.0	13.0	0.6	11.4	11.4
1982	116.6	1.6	116.9	15.4	14.8	1.4	13.2	12.6
1983	113.3	4.1	114.7	15.6	16.2	3.5	13.7	14.1
1984	133.3	2.4	128.6	18.7	13.3	1.8	14.0	10.4
1985	127.4	(-)0.4	124.3	20.1	15.8	-0.3	15.8	12.7
1986	131.6	0.5	133.8	19.7	17.3	0.4	15.0	12.9
1987	125.5	(-)0.2	134.8	15.7	18.7	-0.1	12.5	13.8
1988	122.8	3.8	130.8	14.1	18.6	2.9	11.5	14.2
1989	148.7	1.2	147.2	18.9	16.4	0.8	12.7	11.1
1990	149.7	1.3	144.8	24.0	16.0	0.9	16.0	11.0
1991	154.3	(-)0.1	158.6	19.6	20.8	neg.	12.7	13.1
1992	147.3	(-)0.4	148.5	17.9	18.8	-0.3	12.2	12.7
1993	157.5	3.1	149.8	28.1	16.4	2.1	17.9	10.9
1994	161.2	1.1	154.8	26.0	14.0	0.7	16.1	9.1
1995	167.6	(-) 2.6	166.7	22.6	15.3	-1.6	13.5	9.0
1996	157.9	(-) 3.1	163.3	19.8	18.3	-1.9	12.5	11.2
1997	174.5	(-) 0.1	176.2	23.6	17.8	neg.	13.5	10.1
1998	168.2	(-) 2.5	159.6	26.3	18.6	-1.6	15.6	11.1
1999	178.2	(-) 1.3	169.4	30.8	17.7	-0.8	17.3	9.9
2000	183.6	(-) 1.4	168.3	35.6	13.0	-0.8	19.4	7.7
2001	172.2	(-) 2.9	156.9	42.6	13.2	-1.8	24.7	8.4
2002	186.2	(-) 6.7	189.5	40.3	18.2	-3.5	21.7	9.6
2003	152.9	(-) 5.5	170.6	34.5	23.2	-2.8	22.6	13.2
2004	186.5	(-) 6.5	183.3	41.1	28.3	-3.5	22.0	15.5
2005	173.6	(-) 6.0	170.0	41.5	31.0	-3.5	23.9	18.2
2006	182.5	(-) 2.3	181.9	37.0	31.8	-1.3	20.3	17.5
2007	190.1	(-) 4.7	183.7	35.8	32.8	-2.6	18.8	17.8
2008	210.2	(-) 9.7	183.5	54.2	34.7	-5.3	25.8	18.9
2009	205.2	(-) 4.1	189.5	60.5	41.3	-2.2	29.5	21.8
2010	190.8	(-) 2.2	189.2	56.1	43.7	-1.2	29.4	23.1
2011	213.9	(-)2.9	203.1	64.5	47.9	-1.4	30.1	23.6
2012	226.9	N.A.	N.A.	73.4	44.9	N.A.	N.A.	N.A.
2013	224.9	N.A.	N.A.	58.9	44.5	N.A.	N.A.	N.A.
2014	232.4	N.A.	N.A.	59.8	43.5	N.A.	N.A.	N.A.
2015	N.A.	N.A.	N.A.	60.7	N.A.	N.A.	N.A.	N.A.

(P) = Provisional. Neg. = Negligible. N.A. = Not Available  
 @ Net availability = Net production + Net imports - changes in Government stocks.  
 # Includes quantities released under the Food for Work Programme during the years 1978 to 1990.  
 Note: 1. Production figures relate to agricultural year:1951 figures correspond to 1950-51 and so on.  
 Figures for procurement and public distribution relate to calendar years.  
 2. Net imports from 1981 to 1994 are only on Government account and from 1995 onwards, the Net Imports are total Imports and Exports of the country.  
 3. Net imports are total imports minus exports of the country.  
 Source: 1. Department of Food and Public Distribution, Ministry of Consumer Affairs, Food and Public Distribution, Govt. of India.  
 2. Directorate of Economics & Statistics, Department of Agriculture Cooperation & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India.  
 3. *Economic Survey 2015-16*, Ministry of Finance, Govt. of India.

6.06 FOODGRAIN STOCK IN CENTRAL POOL					
(As on 1st day of the month)					
(lakh tonnes)					
Year	Month	Rice	Wheat	Coarse grains	Total
2008	January	114.75	77.12	0	191.87
	April	138.35	58.03	1.16	197.54
	July	112.49	249.12	1.15	362.76
	Oct.	78.63	220.25	0.58	299.46
2009	January	175.76	182.12	4.01	361.89
	April	216.04	134.29	5.49	355.82
	July	196.16	329.22	6.45	531.83
	Oct	153.49	284.57	4.35	442.41
2010	January	243.53	230.92	2.50	476.95
	April	267.13	161.25	4.66	433.04
	July	242.66	335.84	4.38	582.88
	Oct	184.44	277.77	4.29	466.50
2011	January	255.80	215.40	0.99	472.19
	April	288.20	153.64	1.29	443.13
	July	268.57	371.49	1.22	641.28
	Oct	203.59	314.26	0.89	518.74
2012	January	297.18	256.76	0.95	554.89
	April	333.50	199.52	0.93	533.95
	July	307.08	498.08	0.53	805.69
	Oct.	233.73	431.53	0.59	665.85
2013	January	322.21	343.83	0.89	666.93
	April	354.68	242.07	0.83	597.58
	July	315.08	423.97	0.39	739.44
	Oct.	190.33	361.00	0.23	551.56
2014	January	146.98	280.47	3.76	431.21
	April	202.78	178.34	11.33	392.45
	July	212.36	398.01	11.98	622.35
	Oct	154.22	322.63	6.31	483.16
2015	January	117.43	251.13	2.55	371.11
	April	170.94	172.21	3.02	346.17
	July	158.95	386.80	1.43	547.18
	Oct	125.78	324.50	0.79	451.07
2016	January	126.89	237.88	0.99	365.76
	April	221.61	145.38	2.51	369.50

Note: Rice includes unmilled Paddy.  
Source: Food Corporation of India, New Delhi.

6.07 STATE-WISE STOCKS OF RICE AND WHEAT IN CENTRAL POOL AS ON 01-1-2016									
(lakh tonnes)									
State/ Zone	Stock with								
	FCI			State agencies			Total Central Pool		
	Rice	Wheat	Total	Rice	Wheat	Total	Rice	Wheat	Total
Bihar	0.85	1.82	2.67	-	-	-	0.85	1.82	2.67
Jharkhand	1.36	0.27	1.63	-	-	-	1.36	0.27	1.63
Odisha	1.02	1.60	2.62	4.99	-	4.99	6.01	1.60	7.61
West Bengal	0.84	4.90	5.74	1.57	-	1.57	2.41	4.90	7.31
<b>East Zone</b>	<b>4.07</b>	<b>8.59</b>	<b>12.66</b>	<b>6.56</b>	<b>-</b>	<b>6.56</b>	<b>10.63</b>	<b>8.59</b>	<b>19.22</b>
Assam	1.37	0.47	1.84	-	-	-	1.37	0.47	1.84
Arunachal Pradesh	0.11	-	0.11	-	-	-	0.11	-	0.11
Tripura	0.18	0.03	0.21	-	-	-	0.18	0.03	0.21
Mizoram	0.12	0.01	0.13	-	-	-	0.12	0.01	0.13
Meghalaya	0.11	-	0.11	-	-	-	0.11	-	0.11
Manipur	0.24	0.01	0.25	-	-	-	0.24	0.01	0.25
Nagaland	0.26	0.01	0.27	-	-	-	0.26	0.01	0.27
<b>North East States</b>	<b>2.39</b>	<b>0.53</b>	<b>2.92</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2.39</b>	<b>0.53</b>	<b>2.92</b>
Delhi	0.14	2.00	2.14	-	-	-	0.14	2.00	2.14
Haryana	5.80	34.00	39.80	-	7.35	7.35	5.80	41.35	47.15
Himachal Pradesh	0.06	0.29	0.35	-	-	-	0.06	0.29	0.35
Jammu & Kashmir	1.26	0.67	1.93	-	-	-	1.26	0.67	1.93
Punjab	26.08	38.36	64.44	-	51.36	51.36	26.08	89.72	115.80
Rajasthan	0.16	15.27	15.43	-	-	-	0.16	15.27	15.43
Uttar Pradesh	15.35	16.83	32.18	-	-	-	15.35	16.83	32.18
Uttarakhand	0.59	0.69	1.28	0.63	-	0.63	1.22	0.69	1.91
<b>North Zone</b>	<b>49.44</b>	<b>108.11</b>	<b>157.55</b>	<b>0.63</b>	<b>58.71</b>	<b>59.34</b>	<b>50.07</b>	<b>166.82</b>	<b>216.89</b>
Andhra Pradesh	6.46	0.21	6.67	5.90	-	5.90	12.36	0.21	12.57
Karnataka	5.42	1.61	7.03	-	-	-	5.42	1.61	7.03
Kerala	3.04	0.93	3.97	0.14	-	0.14	3.18	0.93	4.11
Tamil Nadu	6.98	1.21	8.19	-	-	-	6.98	1.21	8.19
Telangana	6.04	0.17	6.21	4.88	-	4.88	10.92	0.17	11.09
<b>Sourth Zone</b>	<b>27.94</b>	<b>4.13</b>	<b>32.07</b>	<b>10.92</b>	<b>-</b>	<b>10.92</b>	<b>38.86</b>	<b>4.13</b>	<b>42.99</b>
Gujarat	0.67	3.90	4.57	-	-	-	0.67	3.90	4.57
Maharashtra	5.64	9.23	14.87	-	-	-	5.64	9.23	14.87
Madhya Pradesh	0.07	1.68	1.75	4.29	39.64	43.93	4.36	41.32	45.68
Chhattisgarh	3.72	0.23	3.95	7.39	-	7.39	11.11	0.23	11.34
<b>West Zone</b>	<b>10.10</b>	<b>15.04</b>	<b>25.14</b>	<b>11.68</b>	<b>39.64</b>	<b>51.32</b>	<b>21.78</b>	<b>54.68</b>	<b>76.46</b>
<b>Total</b>	<b>93.94</b>	<b>136.40</b>	<b>230.34</b>	<b>29.79</b>	<b>98.35</b>	<b>128.14</b>	<b>123.73</b>	<b>234.75</b>	<b>358.48</b>
<b>Wheat Lying In Mandies</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Stocks in transit</b>	<b>3.16</b>	<b>3.13</b>	<b>6.29</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3.16</b>	<b>3.13</b>	<b>6.29</b>
<b>All India (Total)</b>	<b>97.10</b>	<b>139.53</b>	<b>236.63</b>	<b>29.79</b>	<b>98.35</b>	<b>128.14</b>	<b>126.89</b>	<b>237.88</b>	<b>364.77</b>

Note: Rice does not include unmilled Paddy.

Source: Annual Report 2015-16, Department of Food & Public Distribution, Ministry of Consumer Affairs, Food & Public Distribution, Govt. of India, New Delhi.



**7.00 WAREHOUSES, STORAGE, CAPACITY UTILISATION AND CHARGES**

7.01 NUMBER AND CAPACITY OF CENTRAL AND STATE WAREHOUSES								
State / UT	No. of warehouses				Capacity ('000 tonnes)			
	Central (CWC)		State (SWC)		Central (CWC)		State (SWC)	
	31-3-2015	31-3-2016	31-3-2015	31-8-2016	31-3-2015	31-3-2016	31-3-2015	31-8-2016
A & N Islands	1	1	-	-	3	3	-	-
Andhra Pradesh	28	28	155	99	1,133	960	2,159	12
Assam	6	6	42	42	76	75	250	3
Bihar	16	15	37	49	120	113	298	5
Chhattisgarh	12	12	123	127	289	288	1,603	18
Delhi	10	9	-	-	147	147	-	-
Goa	2	2	-	-	30	30	-	-
Gujarat	29	29	45	44	750	718	155	1
Haryana	28	27	109	115	534	510	1,604	17
Himachal Pradesh	3	3	-	-	10	10	-	-
Jharkhand	3	3	-	-	37	37	-	-
Karnataka	32	29	136	139	482	444	1,410	13
Kerala	13	12	56	56	162	159	195	2
Madhya Pradesh	26	26	285	281	557	588	5,804	69
Maharashtra	41	37	188	196	1,430	1,329	1,738	17
Meghalaya	-	-	6	6	-	-	16	0.2
Nagaland	1	1	-	-	13	13	-	-
Odisha	21	21	63	64	345	333	490	5
Punjab	25	25	117	120	736	756	5,557	55
Rajasthan	30	30	91	91	522	548	1,100	11
Tamil Nadu	26	26	56	55	670	667	672	7
Telangana	18	18	-	65	1,542	1,089	-	8
Tripura	3	3	-	-	44	44	-	-
Uttarakhand	7	6	-	12	78	72	-	1
Uttar Pradesh	48	48	160	152	1,130	1,136	3,828	37
West Bengal	33	29	30	30	635	754	216	6
UTs	2	2	-	-	19	19	-	-
<b>All India</b>	<b>464</b>	<b>448</b>	<b>1,699</b>	<b>1,743</b>	<b>11,494</b>	<b>10,842</b>	<b>27,095</b>	<b>287</b>

Source : Central Warehousing Corporation, New Delhi.

7.02 STORAGE ACCOMMODATION AVAILABLE WITH THE FOOD CORPORATION OF INDIA - STATE-WISE								
('000 tonnes)								
State / UT	31-3-2015				31-3-2016			
	Covered			C.A.P.	Covered			C.A.P.
	Owned	Hired	Total		Owned	Hired	Total	
Andhra Pradesh	729	706	1,435	160	729	231	960	160
A & N Islands	7	-	7	-	7	-	7	-
Arunachal Pradesh	18	5	23	-	20	3	23	-
Assam	214	104	318	-	300	102	402	-
Bihar	366	237	603	100	366	259	625	100
Chandigarh	107	248	355	17	-	6	6	2
Chhattisgarh	512	333	845	1	512	444	956	1
Delhi	336	-	336	31	336	-	336	31
Goa	15	5	20	-	15	5	20	-
Gujarat	500	235	735	27	500	182	682	27
Haryana	768	3,642	4,410	333	768	4,132	4,900	333
Himachal Pradesh	19	29	48	-	19	30	49	-
Jammu & Kashmir	103	115	218	10	103	136	239	10
Jharkhand	67	152	219	5	67	181	248	5
Karnataka	381	334	715	136	381	368	749	136
Kerala	529	5	534	21	529	5	534	21
Madhya Pradesh	337	116	453	36	337	5	342	36
Maharashtra	885	1,033	1,918	102	885	1,050	1,935	102
Manipur	28	4	32	-	28	4	32	-
Meghalaya	14	14	28	-	14	9	23	-
Mizoram	25	-	25	-	25	-	25	-
Nagaland	20	13	33	-	21	13	34	-
Odisha	312	249	561	-	312	235	547	-
Puducherry	44	43	87	6	44	51	95	6
Punjab	2,117	7,847	9,964	857	2,224	8,007	10,231	731
Rajasthan	706	1,393	2,099	185	706	1,038	1,744	185
Sikkim	10	1	11	-	10	1	11	-
Tamil Nadu	580	463	1,043	25	580	422	1,002	25
Telangana	537	240	777	102	537	216	753	102
Tripura	29	8	37	-	29	6	35	-
Uttarakhand	66	101	167	21	66	101	167	21
Uttar Pradesh	1,495	2,413	3,908	519	1,495	3,017	4,512	519
West Bengal	840	114	954	51	840	121	961	51
<b>Total</b>	<b>12,716</b>	<b>20,202</b>	<b>32,918</b>	<b>2,745</b>	<b>12,805</b>	<b>20,380</b>	<b>33,185</b>	<b>2,604</b>

C.A.P. = Covered and plinth.  
Source : Food Corporation of India, New Delhi.

**7.03 AGENCY-WISE STORAGE ACCOMMODATION AVAILABLE WITH  
THE FOOD CORPORATION OF INDIA**

('000 tonnes)

Agency	As on									
	31.3.2007	31.3.2008	31.3.2009	31.3.2010	31.3.2011	31.3.2012	31.3.2013	31.3.2014	31.3.2015	31.3.2016
<b>FCI</b>										
<b>I. Covered</b>										
(a) Owned	12,941.00	12,948.00	12,967.00	12,969.00	12,991.00	13,003.00	12,996.00	13,003.00	12,716.00	12,805.00
(b) Hired from										
(i) State Govt.	492.00	509.00	546.00	628.00	618.00	585.00	621.00	588.00	371.00	329.00
(ii) Private	677.00	642.00	1,153.00	1,708.00	1,813.00	1,841.00	5,167.00*	7,624.00*	9,910.00*	11,056.00**
(iii) C.W.C.	1,377.00	1,236.00	2,204.00	2,885.00	3,637.00	3,988.00	4,124.00	3,471.00	2,824.00	2,441.00
(iv) S.W.C.	6,796.00	6,326.00	6,221.00	7,669.00	9,391.00	10,799.00	11,083.00	9,179.00	7,097.00	6,554.00
<b>Total (b)</b>	<b>9,342.00</b>	<b>8,713.00</b>	<b>10,124.00</b>	<b>12,890.00</b>	<b>15,459.00</b>	<b>17,213.00</b>	<b>20,995.00</b>	<b>20,862.00</b>	<b>20,202.00</b>	<b>20,380.00</b>
<b>Total I (a+b)</b>	<b>22,283.00</b>	<b>21,661.00</b>	<b>23,091.00</b>	<b>25,859.00</b>	<b>28,450.00</b>	<b>30,216.00</b>	<b>33,991.00</b>	<b>33,865.00</b>	<b>32,918.00</b>	<b>33,185.00</b>
<b>II. C.A.P.</b>										
(a) Owned	2,292.00	2,206.00	2,173.00	2,508.00	2,616.00	2,637.00	2,637.00	2,638.00	2,602.00	2,602.00
(b) Hired	632.00	27.00	15.00	469.00	544.00	751.00	1,107.00	387.00	143.00	2.00
<b>Total (II)</b>	<b>2,924.00</b>	<b>2,233.00</b>	<b>2,188.00</b>	<b>2,977.00</b>	<b>3,160.00</b>	<b>3,388.00</b>	<b>3,744.00</b>	<b>3,025.00</b>	<b>2,745.00</b>	<b>2,604.00</b>
<b>Grand Total(I+II)</b>	<b>25,207.00</b>	<b>23,894.00</b>	<b>25,279.00</b>	<b>28,836.00</b>	<b>31,610.00</b>	<b>33,604.00</b>	<b>37,735.00</b>	<b>36,890.00</b>	<b>35,663.00</b>	<b>35,789.00</b>
C.A.P. = Covered and plinth. * = Includes: i) PEG = Private Enterprise Guarantee Scheme, ii) PWS = Private Warehousing Scheme.										
Source : Food Corporation of India, New Delhi.										

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7.04 STATE-WISE COOPERATIVE GODOWNS							
(As on 31.3.2016)							
Sl. No.	Name of the State/ UTs/Others	Programme sanctioned			Programme completed		
		Number		Capacity (tonnes)	Number		Capacity (tonnes)
		Rural	Marketing		Rural	Marketing	
1	Andhra Pradesh	4,278	1,018	8,21,254	4,010	899	7,17,610
2	Arunachal Pradesh	5	13	5,750	5	7	3,250
3	Assam	1,053	287	3,67,510	770	265	2,99,550
4	Bihar	2,974	579	6,50,550	2,455	496	5,57,600
5	Chhattisgarh	80	132	4,64,300	78	121	3,50,300
6	Delhi	-	1	1,000	-	-	-
7	Gujarat	1,980	530	8,08,576	1,864	456	7,15,410
8	Haryana	1,590	510	13,60,041	1,455	456	11,55,883
9	Himachal Pradesh	1,739	222	2,15,265	1,644	210	2,05,815
10	Jammu & Kashmir	170	72	39,600	133	45	23,200
11	Jharkhand	139	-	13,900	139	-	13,900
12	Karnataka	5,908	1,091	13,07,464	5,182	957	11,41,999
13	Kerala	2,422	170	3,97,384	2,098	145	3,52,825
14	Madhya Pradesh	6,569	1,213	17,51,516	5,187	1,111	13,93,038
15	Maharashtra	4,483	1,790	25,28,222	3,858	1,528	22,46,290
16	Manipur	241	22	37,880	158	18	26,130
17	Meghalaya	108	74	45,750	90	59	35,500
18	Mizoram	126	10	14,536	122	9	14,016
19	Nagaland	154	14	18,300	116	14	16,400
20	Odisha	2,286	679	5,48,680	1,951	595	4,86,780
21	Punjab	4,647	875	21,82,301	3,887	830	19,87,690
22	Rajasthan	5,152	476	6,68,270	4,777	395	5,60,470
23	Tripura	249	24	31,835	186	19	24,185
24	Tamil Nadu	4,807	606	10,68,248	4,759	411	9,83,728
25	Uttar Pradesh	9,536	899	23,36,630	9,285	797	20,61,010
26	West Bengal	3,688	612	6,31,860	2,836	473	4,85,260
27	Puducherry	-	1	4,000	-	-	-
28	Uttarakhand	60	43	88,800	60	42	88,800
29	UTs	11	17	25,450	-	5	10,900
30	NAFED	-	13	55,300	-	9	40,200
31	NCCF	-	1	10,000	-	1	10,000
<b>Total</b>		<b>64,455</b>	<b>11,994</b>	<b>185,00,172</b>	<b>57,105</b>	<b>10,373</b>	<b>160,07,739</b>

NAFED = National Agricultural Cooperative Marketing Federation of India Ltd.  
NCCF = The National Cooperative Consumers' Federation of India Ltd.  
Source : National Cooperative Development Corporation, New Delhi.

7.05 YEAR-WISE COMMODITY-WISE AVERAGE GROSS UTILISATION OF THE WAREHOUSES UNDER CWC 1985-86 to 2015-16				
Year	Commodities			Total
	Foodgrains	Fertilisers	Other commodities	(All commodities)
1985 - 86	2,592 ( 49 % )	1,272 ( 24 % )	1,393 ( 27 % )	5,194 ( 100 % )
1986 - 87	2,534 ( 45 % )	1,626 ( 29 % )	1,513 ( 26 % )	5,673 ( 100 % )
1987 - 88	2,296 ( 41 % )	1,643 ( 30 % )	1,606 ( 29 % )	5,544 ( 100 % )
1988 - 89	1,966 ( 40 % )	1,237 ( 25 % )	1,759 ( 35 % )	4,962 ( 100 % )
1989 - 90	2,050 ( 41 % )	1,090 ( 22 % )	1,835 ( 37 % )	4,975 ( 100 % )
1990 - 91	2,383 ( 46 % )	912 ( 17 % )	1,921 ( 37 % )	5,216 ( 100 % )
1991 - 92	2,433 ( 49 % )	673 ( 14 % )	1,858 ( 37 % )	4,963 ( 100 % )
1992 - 93	1,972 ( 44 % )	700 ( 16 % )	1,793 ( 40 % )	4,465 ( 100 % )
1993 - 94	2,659 ( 52 % )	723 ( 14 % )	1,754 ( 34 % )	5,136 ( 100 % )
1994 - 95	3,097 ( 55 % )	579 ( 10 % )	1,929 ( 35 % )	5,605 ( 100 % )
1995 - 96	2,710 ( 48 % )	647 ( 11 % )	2,300 ( 41 % )	5,657 ( 100 % )
1996 - 97	1,855 ( 36 % )	809 ( 16 % )	2,461 ( 48 % )	5,126 ( 100 % )
1997 - 98	2,004 ( 39 % )	751 ( 14 % )	2,461 ( 47 % )	5,216 ( 100 % )
1998 - 99	2,220 ( 41 % )	785 ( 15 % )	2,369 ( 44 % )	5,374 ( 100 % )
1999 - 2000	2,578 ( 45 % )	786 ( 14 % )	2,316 ( 41 % )	5,680 ( 100 % )
2000 - 2001	3,404 ( 51 % )	709 ( 10 % )	2,591 ( 39 % )	6,704 ( 100 % )
2001 - 2002	4,088 ( 57 % )	511 ( 7 % )	2,565 ( 36 % )	7,164 ( 100 % )
2002 - 2003	3,922 ( 58 % )	416 ( 6 % )	2,437 ( 36 % )	6,775 ( 100 % )
2003 - 2004	2,440 ( 44 % )	432 ( 8 % )	2,652 ( 48 % )	5,525 ( 100 % )
2004 - 2005	2,500 ( 41 % )	266 ( 4 % )	3,392 ( 55 % )	6,158 ( 100 % )
2005 - 2006	2,645 ( 37 % )	239 ( 3 % )	4,275 ( 60 % )	7,159 ( 100 % )
2006 - 2007	2,836 ( 36 % )	286 ( 3 % )	4,827 ( 61 % )	7,949 ( 100 % )
2007 - 2008	2,765 ( 38 % )	342 ( 5 % )	4,165 ( 57 % )	7,272 ( 100 % )
2008 - 2009	3,650 ( 45 % )	341 ( 4 % )	4,145 ( 51 % )	8,136 ( 100 % )
2009 - 2010	4,388 ( 48 % )	223 ( 2 % )	4,576 ( 50 % )	9,187 ( 100 % )
2010 - 2011	4,872 ( 54 % )	208 ( 2 % )	3,997 ( 44 % )	9,077 ( 100 % )
2011 - 2012	5,216 ( 57 % )	228 ( 3 % )	3,638 ( 40 % )	9,082 ( 100 % )
2012 - 2013	5,675 ( 60 % )	312 ( 3 % )	3,504 ( 37 % )	9,491 ( 100 % )
2013 - 2014	5,254 ( 58 % )	287 ( 3 % )	3,535 ( 39 % )	9,076 ( 100 % )
2014 - 2015	4,900 ( 57 % )	154 ( 2 % )	3,486 ( 41 % )	8,539 ( 100 % )
2015 - 2016	4,309 ( 47 % )	250 ( 3 % )	4,623 ( 50 % )	9,182 ( 100 % )

Source : Central Warehousing Corporation, New Delhi. ( ) = percentage share to total

7.06 REGION-WISE, COMMODITY-WISE AVERAGE GROSS UTILISATION OF CWC WAREHOUSES-2015-16				
Region	Commodities			Total
	Foodgrains	Fertilisers	Others	(All commodities)
Ahmedabad	2,08,108	196	3,31,062	5,39,366
Bengaluru	1,08,365	29,526	1,90,864	3,28,755
Bhopal	2,58,364	1,527	49,485	3,09,376
Bhubaneshwar	2,52,757	3,626	8,552	2,64,935
Chandigarh	6,19,586	723	83,232	7,03,541
Chennai	2,94,337	6,575	1,75,010	4,75,922
Delhi	-	-	3,93,515	3,93,515
Guwahati	54,910	1,217	47,268	1,03,395
Hyderabad	5,69,955	35,493	17,72,920	23,78,368
Jaipur	3,03,495	88,973	1,09,204	5,01,672
Kochi	10,180	9,718	86,459	1,06,357
Kolkata	1,46,366	47,286	3,53,204	5,46,856
Lucknow	5,46,281	1,076	1,20,214	6,67,571
Mumbai	2,91,358	18,189	2,31,473	5,41,020
Navi Mumbai	-	-	5,72,195	5,72,195
Panchkula	3,72,289	5,951	28,784	4,07,024
Patna	92,655	-	32,353	1,25,008
Raipur	1,79,792	-	37,080	2,16,872
<b>Total</b>	<b>43,08,798</b>	<b>2,50,076</b>	<b>46,22,874</b>	<b>91,81,748</b>

Source : Central Warehousing Corporation, New Delhi.

7.07 RATE OF WAREHOUSING CHARGE (STORAGE CHARGE) OF CWC 1960-61 to 2015-16		
(Rupees Per standard bag** per month )		
Year	Rate	Effective date
1960 - 61	0.18	1.8.1960
1961 - 62	0.18	
1962 - 63	0.20	6.1.1963
1963 - 64	0.20	
1964 - 65	0.20	
1965 - 66	0.20	
1966 - 67	0.22	1.4.1966
1967 - 68	0.22	
1968 - 69	0.22	
1969 - 70	0.25	16.5.1969
1970 - 71	0.25	
1971 - 72	0.30	1.1.1972
1972 - 73	0.30	
1973 - 74	0.30	
1974 - 75	0.33	1.6.1974
1975 - 76	0.33	
1976 - 77	0.36	1.4.1976
1977 - 78	0.36	
1978 - 79	0.40	1.4.1978
1979 - 80	0.40	
1980 - 81	0.40	
1981 - 82	0.46	1.4.1981
1982 - 83	0.46	
1983 - 84	0.60	1.4.1983
1984 - 85	0.60	
1985 - 86	0.75	1.4.1985
1986 - 87	0.75	
1987 - 88	1.00	1.4.1987
1988 - 89	1.00	
1989 - 90	1.00	15.5.1989
1990 - 91	1.00	
1991 - 92	1.00	1.11.1991
1992 - 93	1.00	
1993 - 94	1.40	1.12.1993
1994 - 95	1.40	
1995 - 96	1.40	
1996 - 97	1.70	1.4.1996
1997 - 98	1.70	
1998 - 99	2.00	15.7.1998
1999 - 2000	2.00	15.7.1999
2000 - 2001	2.75	1.1.2000
2001 - 2002	3.00	1.1.2002
2002 - 2003	3.75	1.9.2002
2003 - 2004	3.75	
2004 - 2005	3.75	
2005 - 2006	3.75	
2006 - 2007	3.75	
2007 - 2008	3.75	
2008 - 2009	4.50	1.11.2008
2009 - 2010	4.50	
2010 - 2011	4.90	1.04.2010
2011 - 2012	5.25	1.05.2011
2012 - 2013	5.65	1.04.2012
2013 - 2014	7.35	1.04.2013
2014 - 2015	7.90	1.04.2014
2015 - 2016	8.40	1.04.2015

Source : Central Warehousing Corporation, New Delhi.

\* = Rebate of Rs.0.03 allowed

\*\* = Standard bag (95 Kg.)

**8.00 MINIMUM SUPPORT PRICES, COST OF CULTIVATION AND WHOLESALE PRICE INDICES**

8.01 PROCUREMENT/MINIMUM SUPPORT PRICES OF AGRICULTURAL COMMODITIES													
(According to Crop Year)												(Rs. per quintal)	
Crop	1990-91	1995-96	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
Paddy (common)	205	360	620 <sup>6</sup>	745 <sup>11</sup> /850 <sup>4</sup>	900 <sup>12</sup>	1000 <sup>12</sup>	1000	1080	1250	1310	1360	1410	1470
Paddy (fine)	215	375	-	-	-	-	-	-	-	-	-	-	-
Paddy (S. fine)	225	395	-	-	-	-	-	-	-	-	-	-	-
Paddy (Grade 'A')	-	-	650 <sup>9</sup>	775 <sup>11</sup> /880 <sup>4</sup>	930 <sup>12</sup>	1030 <sup>12</sup>	1030	1110	1280	1345	1400	1450	1510
Jowar Hybrid	180	300	540	600	840	840	880	980	1500	1500	1530	1570	1625
Maldandi	-	-	555	620	860	860	900	1000	1520	1520	1550	1590	1650
Bajra	180	300	540	600	840	840	880	980	1175	1250	1250	1275	1330
Maize	180	310	540	620	840	840	880	980	1175	1310	1310	1325	1365
Ragi	180	300	540	600	915	915	965	1050	1500	1500	1550	1650	1725
Wheat	225	380	750 <sup>11</sup>	1000	1080	1100	1170 <sup>8</sup>	1285	1350	1400	1450	1525	-
Barley	200	295	565	650	680	750	780	980	980	1100	1150	1225	-
Tur (Arhar)	480	800	1410	1590 <sup>10</sup>	2000	2300	3500 <sup>13</sup>	3700 <sup>13</sup>	3850	4300	4350	4425 <sup>14</sup>	4625 <sup>15</sup>
Moong	480	800	1520	1740 <sup>10</sup>	2520	2760	3670 <sup>13</sup>	4000 <sup>13</sup>	4400	4500	4600	4650 <sup>14</sup>	4800 <sup>15</sup>
Urad	480	800	1520	1740 <sup>10</sup>	2520	2520	2900 <sup>13</sup>	3800 <sup>13</sup>	4300	4300	4350	4425 <sup>14</sup>	4575 <sup>15</sup>
Gram	450	700	1445	1600	1730	1760	2100	2800	3000	3100	3175	3425	-
Masur (Lentil)	-	-	-	-	1870	1870	2250	2800	2900	2950	3075	3325	-
Groundnut in shell	580	900	1520	1550	2100	2100	2300	2700	3700	4000	4000	4030	4120
Soybean Black	350	600	900	910	1350	1350	1400	1650	2200	2500	2500	-	-
Yellow	400	680	1020	1050	1390	1390	1440	1690	2240	2560	2560	2600*	2675*
Sunflower seed	600	950	1500	1510	2215	2215	2350	2800	3700	3700	3750	3800	3850
Rapeseed/Mustard	600	860	1715	1800	1830	1830	1850	2500	3000	3050	3100	3350	-
Toria	570	825	1680	1735	1735	1735	1780	2425	2970	3020	3020	-	-
Safflower	575	800	1565	1650	1650	1680	1800	2500	2800	3000	3050	3300	-
Cotton - F414/H-777	620	1150	1770 <sup>1</sup>	1800 <sup>1</sup>	2500 <sup>7</sup>	2500 <sup>7</sup>	2500 <sup>7</sup>	2800 <sup>7</sup>	3600 <sup>7</sup>	3700 <sup>7</sup>	3750 <sup>7</sup>	3800 <sup>7</sup>	3860
- H-4	750	1350	1990 <sup>2</sup>	2030 <sup>2</sup>	3000 <sup>9</sup>	3000 <sup>9</sup>	3000 <sup>9</sup>	3300 <sup>9</sup>	3900 <sup>9</sup>	4000 <sup>9</sup>	4050 <sup>9</sup>	4100 <sup>9</sup>	4160
Jute	320	490	1000	1055	1250	1375	1575	1675	2200	2300	2400	2700	3200
Sugarcane <sup>5</sup>	23.00	42.50	80.25	81.18	81.18	129.84	139.12	145.00	170.00	210	220	230	230
Copra - Milling	1600.00	2500	3590	3620	3660	4450	4450	4525	5100	5250	5250	5550	5950
- Ball	-	2725	3840	3870	3910	4700	4700	4775	5350	5500	5500	5830	6240
De-husked coconut	-	-	-	-	988	1200	1200	1200	1400	1425	1425	1500	1600
Tobacco VFC (Rs./kg)	-	-	-	-	-	-	-	-	-	-	-	-	-
Black soil F2 Grade	13.25	19.00	32.00	32.00	-	-	-	-	-	-	-	-	-
Light soil L2 Grade	14.25	21.50	34.00	34.00	-	-	-	-	-	-	-	-	-
Sesamum	-	-	1560	1580	2750	2850	2900	3400	4200	4500	4600	4700	4800
Nigerseed	-	-	1220	1240	2405	2405	2450	2900	3500	3500	3600	3650	3725*

Note : Marketing year is April-March for wheat, gram, barley and mustard; July-June for jute; September-August for cotton and November-October for paddy and other kharif crops. \* = Single Minimum Support Price has been fixed irrespective of the variety.

1 = Medium staple 2 = Long staple 3 = Includes bonus of 50 per quintal 4 = From 12.06.2008

5 = Statutory Minimum Price linked to a basic recovery of 8.5 % with proportionate premium for every 0.1 % increase in recovery above that level.

6 = Includes an additional incentive bonus of Rs. 40 per quintal payable on procurement between 1.10.06 to 31.3.07.

7=Staple length(mm)of 24.5-25.5 and Micronaire value of 4.3-5.1 (medium) 8 = Includes an additional incentive bonus of Rs. 50 per quintal payable on wheat over the MSP.

9 = Staple length(mm)of 29.5-30.5 and Micronaire value of 3.5-4.3 (large) 10 = Includes a bonus of Rs. 40 per quintal is payable over & above the MSP.

11 = Includes an additional incentive bonus of Rs. 100 per quintal payable over the MSP. 12 = Includes bonus of Rs. 50 per quintal is payable over the MSP.

13 = Includes additional incentive at the rate of Rs.500 per quintal of tur,urad,moong sold to procurement agencies

14 = Bonus of Rs. 200 per quintal payable over and above the Minimum Support Price.

15 = Bonus of Rs. 425 per quintal payable over and above the Minimum Support Price.

Source : 1. Various issues of *Agricultural Statistics at a Glance*, Ministry of Agriculture & Farmers Welfare, Govt. of India, New Delhi.

2. Ministry of Agriculture & Farmers Welfare, Govt. of India, New Delhi.

8.02 ECONOMIC COST, CENTRAL ISSUE PRICES AND SUBSIDY-2000-01 TO 2013-14								
Below Poverty Line (BPL) Category								
Year	Economic cost(Rs/Qtl)		CIP (Rs/Qtl.)		Subsidy (Rs/Qtl.)		Subsidy as percentage of Economic Cost	
	Rice	Wheat	Rice	Wheat	Rice	Wheat	Rice	Wheat
2000-01	1180.47	858.26	565	415	615.47	443.26	52.14	51.65
2001-02	1097.96	852.94	565	415	532.96	437.94	48.54	51.34
2002-03	1165.03	884.00	565	415	600.03	469.00	51.50	53.05
2003-04	1236.09	918.69	565	415	671.09	503.69	54.29	54.83
2004-05	1303.59	1019.01	565	415	738.59	604.01	56.66	59.27
2005-06	1339.69	1041.85	565	415	774.69	626.85	57.83	60.17
2006-07	1391.18	1177.78	565	415	826.18	762.78	59.39	64.76
2007-08	1549.86	1311.75	565	415	984.86	896.75	63.55	68.36
2008-09	1740.73	1380.58	565	415	1175.73	965.58	67.54	69.94
2009-10	1820.07	1424.61	565	415	1255.07	1009.61	68.96	70.87
2010-11	1983.11	1494.35	565	415	1418.11	1079.35	71.51	72.23
2011-12 Prov	1595.25	2122.94	565	415	1030.25	1707.94	64.58	80.45
2012-13 RE	2351.22	1798.96	565	415	1786.22	1383.96	75.97	76.93
2013-14 BE	2643.61	2010.22	565	415	2078.61	1595.22	78.63	79.36
Antyodaya Anna Yojana (AAY) Category								
Year	Economic cost(Rs/Qtl)		CIP (Rs/Qtl.)		Subsidy (Rs/Qtl.)		Subsidy as percentage of Economic Cost	
	Rice	Wheat	Rice	Wheat	Rice	Wheat	Rice	Wheat
2000-01	1180.47	858.26	300	200	880.47	658.26	74.59	76.70
2001-02	1097.96	852.94	300	200	797.96	652.94	72.68	76.55
2002-03	1165.03	884.00	300	200	865.03	684.00	74.25	77.38
2003-04	1236.09	918.69	300	200	936.09	718.69	75.73	78.23
2004-05	1303.59	1019.01	300	200	1003.59	819.01	76.99	80.37
2005-06	1339.69	1041.85	300	200	1039.69	841.85	77.61	80.80
2006-07	1391.18	1177.78	300	200	1091.18	977.78	78.44	83.02
2007-08	1549.86	1311.75	300	200	1249.86	1111.75	80.64	84.75
2008-09	1740.73	1380.58	300	200	1440.73	1180.58	82.77	85.51
2009-10	1820.07	1424.61	300	200	1520.07	1224.61	83.52	85.96
2010-11	1983.11	1494.35	300	200	1683.11	1294.35	84.87	86.62
2011-12 Prov	1595.25	2122.94	300	200	1295.25	1922.94	81.19	90.58
2012-13 RE	2351.22	1798.96	300	200	2051.22	1598.96	87.24	88.88
2013-14 BE	2643.61	2010.22	300	200	2343.61	1810.22	88.65	90.05
Above Poverty Line (APL) Category								
Year	Economic cost(Rs/Qtl)		CIP (Rs/Qtl.)		Subsidy (Rs/Qtl.)		Subsidy as percentage of Economic Cost	
	Rice	Wheat	Rice	Wheat	Rice	Wheat	Rice	Wheat
2000-01	1180.47	858.26	1130	830	50.47	28.26	4.28	3.29
2001-02	1097.96	852.94	830	610	267.96	242.94	24.41	28.48
2002-03	1165.03	884.00	830	610	335.03	274.00	28.76	31.00
2003-04	1236.09	918.69	830	610	406.09	308.69	32.85	33.60
2004-05	1303.59	1019.01	830	610	473.59	409.01	36.33	40.14
2005-06	1339.69	1041.85	830	610	509.69	431.85	38.05	41.45
2006-07	1391.18	1177.78	830	610	561.18	567.78	40.34	48.21
2007-08	1549.86	1311.75	830	610	719.86	701.75	46.45	53.50
2008-09	1740.73	1380.58	830	610	910.73	770.58	52.32	55.82
2009-10	1820.07	1424.61	830	610	990.07	814.61	54.40	57.18
2010-11	1983.11	1494.35	830	610	1153.11	884.35	58.15	59.18
2011-12 Prov	1595.25	2122.94	830	610	765.25	1512.94	47.97	71.27
2012-13 RE	2351.22	1798.96	830	610	1521.22	1188.96	64.70	66.09
2013-14 BE	2643.61	2010.22	830	610	1813.61	1400.22	68.60	69.66

Source: Economic Cost and Subsidy (FC A/cs Section, Central Issue Price (Policy-I), Department of Food and Public Distribution, Ministry of Consumer Affairs, Food and Public Distribution, GOI, New Delhi.



8.03 COST OF CULTIVATION OF PRINCIPAL CROPS - 2013-14							(Rs./hectare)
Item	Paddy						
	AP	Tamil Nadu	U.P.	Punjab	M.P.	West Bengal	
<b>I Operational Cost</b>	<b>46,317.74</b>	<b>54,577.55</b>	<b>29,915.39</b>	<b>32,382.45</b>	<b>24,144.22</b>	<b>44,645.75</b>	
Human Labour	24,092.80	25,706.28	13,673.39	14,221.28	10,613.36	28,788.19	
Animal Labour	663.08	278.53	1,628.17	45.65	2,847.64	2,600.59	
Machine Labour	8,249.56	9,525.19	4,518.34	5,576.06	3,603.55	2,722.48	
Seed	1,748.09	5,925.22	3,014.07	1,562.58	1,919.84	1,813.24	
<b>Fertilisers and Manure</b>	<b>7,260.80</b>	<b>8,778.39</b>	<b>3,892.62</b>	<b>4,240.38</b>	<b>3,583.61</b>	<b>5,245.95</b>	
Fertilisers	6,487.54	6,549.88	3,851.44	3,842.70	2,713.55	4,044.39	
Manure	773.26	2,228.51	41.18	397.68	870.06	1,201.56	
Insecticides	2,068.39	1,491.20	242.93	3,716.37	845.71	688.82	
Irrigation charges	964.14	1,505.71	2,274.31	2,164.29	172.25	1,822.28	
Interest on working capital	1,207.35	1,332.64	669.95	819.27	549.90	929.97	
Miscellaneous	63.53	34.39	1.61	36.57	8.36	34.23	
<b>II Fixed Cost</b>	<b>25,769.19</b>	<b>16,934.53</b>	<b>15,441.98</b>	<b>36,000.41</b>	<b>15,553.57</b>	<b>16,278.44</b>	
Rental Value of owned land	24,063.27	11,346.84	11,959.35	25,585.63	13,531.33	13,848.82	
Rent paid for leased in land	282.00	411.67	291.40	7,041.62	-	407.91	
Land revenue, cesses & taxes	2.37	7.38	4.58	-	3.16	49.95	
Depreciation on implements & farm buildings	178.94	482.68	771.48	262.74	478.51	680.33	
Interest on fixed capital	1,242.61	4,685.96	2,415.17	3,110.42	1,540.57	1,291.43	
<b>Total I+II</b>	<b>72,086.93</b>	<b>71,512.08</b>	<b>45,357.37</b>	<b>68,382.86</b>	<b>39,697.79</b>	<b>60,924.19</b>	
<b>III (a) Yield and value</b>							
1) Yield per hectare (Quintals)	55.20	52.99	42.41	64.90	31.75	39.30	
2) Value of the main- product per hectare (Rs.)	77,224.94	74,408.08	59,154.10	98,254.68	49,434.75	50,508.98	
3) Value of the by-product per hectare (Rs.)	3,898.18	5,364.28	2,538.29	961.23	4,690.58	6,807.55	
<b>III (b) Material and Labour Inputs Per Hectare</b>							
1) Seeds (Kgs)	73.92	-	-	-	66.84	63.36	
2) Fertilisers (Kgs.of Nutrients)	239.24	240.19	156.80	209.11	105.66	132.33	
3) Manure (Quintals)	15.77	37.15	0.91	24.08	7.54	25.10	
4) Human Labour (Man-hours)	606.63	651.95	664.13	353.46	466.00	1,079.39	
5) Animal Labour (Pair-hours)	7.22	3.54	13.20	0.51	35.07	57.40	
(Continued)							

8.03 COST OF CULTIVATION OF PRINCIPAL CROPS - 2013-14 (Continued)						
Item	Wheat					Jowar
	Punjab	Rajasthan	MP	UP	Bihar	AP
<b>I Operational Cost</b>	<b>23,904.98</b>	<b>33,226.02</b>	<b>21,452.27</b>	<b>27,501.27</b>	<b>23,055.77</b>	<b>26,872.37</b>
Human Labour	5,620.87	15,325.81	6,853.77	9,198.92	7,443.02	14,336.02
Animal Labour	68.43	531.25	524.10	528.91	472.52	3,840.39
Machine Labour	8,207.74	5,487.32	5,451.65	6,590.77	4,916.03	2,124.53
Seed	2,054.19	3,286.77	2,685.59	2,788.73	2,546.09	1,496.79
<b>Fertilisers and Manure</b>	<b>5,235.69</b>	<b>3,471.66</b>	<b>2,567.87</b>	<b>4,329.24</b>	<b>4,082.72</b>	<b>3,260.47</b>
Fertilisers	5,227.26	3,309.87	2,567.87	4,295.89	4,066.48	3,000.73
Manure	8.43	161.79	-	33.35	16.24	259.74
Insecticides	1,679.03	16.32	28.47	114.37	-	581.95
Irrigation charges	350.78	4,467.29	2,832.35	3,292.77	3,015.93	624.02
Interest on working capital	640.74	639.60	508.28	657.56	579.46	608.20
Miscellaneous	47.51	-	0.19	-	-	-
<b>II Fixed Cost</b>	<b>30,941.00</b>	<b>17,807.57</b>	<b>16,052.46</b>	<b>18,042.98</b>	<b>9,220.83</b>	<b>15,829.77</b>
Rental Value of owned land	21,071.42	12,650.92	13,569.87	13,001.50	7,546.11	14,733.82
Rent paid for leased in land	5,971.40	350.76	-	2,029.59	-	-
Land revenue, cesses & taxes	-	10.29	5.31	6.11	28.12	0.93
Depreciation on implements & farm buildings	343.22	371.60	327.34	670.20	398.44	142.52
Interest on fixed capital	3,554.96	4,424.00	2,149.94	2,335.58	1,248.16	952.50
<b>Total I+II</b>	<b>54,845.98</b>	<b>51,033.59</b>	<b>37,504.73</b>	<b>45,544.25</b>	<b>32,276.60</b>	<b>42,702.14</b>
<b>III (a) Yield and value</b>						
1) Yield per hectare (Quintals)	50.23	40.98	29.98	34.58	27.55	27.62
2) Value of the main- product per hectare (Rs.)	70,390.55	61,943.19	46,631.82	47,411.77	38,698.16	44,762.88
3) Value of the by-product per hectare (Rs.)	9,274.40	15,456.95	7,647.67	11,882.11	11,193.29	4,349.86
<b>III (b) Material and Labour Inputs Per Hectare</b>						
1) Seeds (Kgs)	106.87	155.60	115.05	146.31	111.75	18.28
2) Fertilisers (Kgs. of Nutrients)	251.12	131.39	100.44	173.57	145.12	84.31
3) Manure (Quintals)	0.53	2.27	-	0.56	0.35	8.66
4) Human Labour (Man-hours)	136.48	479.15	267.13	396.17	367.17	406.11
5) Animal Labour (Pair-hours)	0.67	5.86	7.50	5.57	10.91	40.53

(Continued)

8.03 COST OF CULTIVATION OF PRINCIPAL CROPS - 2013-14 (Continued)						
(Rs./hectare)						
Item	Jowar	Bajra		Maize		
	Maharashtra	Gujarat	Maharashtra	A. P.	Bihar	Rajasthan
<b>I Operational Cost</b>	<b>24,965.72</b>	<b>27,444.86</b>	<b>36,104.19</b>	<b>38,710.30</b>	<b>23,623.75</b>	<b>34,662.99</b>
Human Labour	13,001.93	14,024.39	15,425.63	17,197.08	10,935.01	21,103.27
Animal Labour	4,784.46	1,153.70	1,693.38	2,888.09	-	2,980.24
Machine Labour	2,725.67	3,835.29	7,341.05	4,832.88	2,810.56	3,212.20
Seed	510.37	1,521.22	740.92	3,671.51	2,249.29	1,542.18
<b>Fertilisers and Manure</b>	<b>2,107.03</b>	<b>3,367.23</b>	<b>9,430.59</b>	<b>7,796.06</b>	<b>4,668.55</b>	<b>4,925.38</b>
Fertilisers	2,086.25	2,650.69	1,746.17	5,697.97	4,142.65	2,316.20
Manure	20.78	716.54	7,684.42	2,098.09	525.90	2,609.18
Insecticides	8.51	54.31	-	837.33	97.50	1.22
Irrigation charges	1,196.66	2,854.45	481.56	419.01	2,300.40	424.40
Interest on working capital	615.98	634.27	914.70	1,015.48	562.44	474.10
Miscellaneous	15.11	-	76.36	52.86	-	-
<b>II Fixed Cost</b>	<b>10,422.98</b>	<b>9,926.03</b>	<b>9,428.72</b>	<b>23,262.32</b>	<b>8,040.93</b>	<b>8,199.29</b>
Rental Value of owned land	5,475.06	7,783.89	5,493.46	19,624.84	6,812.27	4,642.80
Rent paid for leased in land	-	151.19	-	1,380.49	-	725.74
Land revenue, cesses & taxes	16.16	5.35	14.36	0.14	24.03	10.60
Depreciation on implements & farm buildings	467.09	116.75	287.63	196.44	291.16	309.70
Interest on fixed capital	4,464.67	1,868.85	3,633.27	2,060.41	913.47	2,510.45
<b>Total I+II</b>	<b>35,388.70</b>	<b>37,370.89</b>	<b>45,532.91</b>	<b>61,972.62</b>	<b>31,664.68</b>	<b>42,862.28</b>
<b>III (a) Yield and value</b>						
1) Yield per hectare (Quintals)	12.76	26.16	19.44	45.46	26.63	16.32
2) Value of the main- product per hectare (Rs.)	21,565.34	36,246.38	28,180.25	66,280.05	37,043.65	21,398.40
3) Value of the by-product per hectare (Rs.)	11,278.45	11,889.33	4,773.92	3,299.42	5,948.11	8,062.35
<b>III (b) Material and Labour Inputs Per Hectare</b>						
1) Seeds (Kgs)	12.14	7.06	4.49	20.14	20.14	31.99
2) Fertilisers (Kgs. of Nutrients)	62.67	115.15	73.98	214.12	138.34	103.62
3) Manure (Quintals)	0.08	11.17	52.04	21.62	6.91	26.09
4) Human Labour (Man-hours)	492.76	551.24	557.11	469.03	548.24	743.84
5) Animal Labour (Pair-hours)	55.51	12.55	20.04	35.68	-	39.70
(Continued)						

8.03 COST OF CULTIVATION OF PRINCIPAL CROPS - 2013-14 (Continued)						
Item	(Rs./hectare)					
	Tur (Arhar)			Groundnut		Cotton
	U.P.	Karnataka	Gujarat	A.P.	Gujarat	Haryana
<b>I Operational Cost</b>	<b>19,793.04</b>	<b>20,754.80</b>	<b>21,392.05</b>	<b>50,831.70</b>	<b>44,904.21</b>	<b>47,321.80</b>
Human Labour	14,523.55	8,454.10	9,632.89	25,342.47	16,077.80	28,672.18
Animal Labour	1,244.90	2,435.09	2,119.34	1,884.87	3,806.98	594.42
Machine Labour	1,915.98	3,038.70	3,682.33	3,591.95	4,907.73	4,598.29
Seed	1,390.21	763.14	895.48	11,037.81	11,215.10	4,604.17
<b>Fertilisers and Manure</b>	<b>138.24</b>	<b>2,757.87</b>	<b>2,836.63</b>	<b>5,619.10</b>	<b>4,941.97</b>	<b>3,425.43</b>
Fertilisers	112.11	2,492.25	2,158.64	3,726.10	2,775.53	3,402.93
Manure	26.13	265.62	677.99	1,893.00	2,166.44	22.50
Insecticides	4.61	2,769.74	776.10	698.94	1,870.78	1,877.10
Irrigation charges	325.57	12.45	969.61	1,384.33	1,002.09	2,640.85
Interest on working capital	249.98	523.71	479.67	1,272.23	1,072.50	909.36
Miscellaneous	-	-	-	-	9.26	-
<b>II Fixed Cost</b>	<b>22,150.75</b>	<b>11,929.94</b>	<b>8,810.65</b>	<b>21,297.60</b>	<b>14,942.56</b>	<b>22,428.83</b>
Rental Value of owned land	10,867.52	10,503.55	6,525.24	18,789.64	12,560.10	19,673.27
Rent paid for leased in land	1,115.25	-	332.45	-	368.60	-
Land revenue, cesses & taxes	18.94	8.06	21.98	0.12	4.72	-
Depreciation on implements & farm buildings	1,470.42	247.65	433.28	267.18	132.90	217.00
Interest on fixed capital	8,678.62	1,170.68	1,497.70	2,240.66	1,876.24	2,538.56
<b>Total I+II</b>	<b>41,943.79</b>	<b>32,684.74</b>	<b>30,202.70</b>	<b>72,129.30</b>	<b>59,846.77</b>	<b>69,750.63</b>
<b>III (a) Yield and value</b>						
1) Yield per hectare (Quintals)	6.89	10.48	7.23	16.53	17.43	15.97
2) Value of the main- product per hectare (Rs.)	29,945.66	44,125.03	37,968.89	57,583.36	66,196.30	80,422.96
3) Value of the by-product per hectare (Rs.)	8,398.76	894.93	2,536.34	5,048.76	13,100.41	3,573.20
<b>III (b) Material and Labour Inputs Per Hectare</b>						
1) Seeds (Kgs)	16.35	12.66	9.73	137.55	126.15	2.20
2) Fertilisers (Kgs. of Nutrients)	6.60	70.27	96.87	113.91	90.19	135.58
3) Manure (Quintals)	0.52	1.99	14.10	24.08	23.06	0.90
4) Human Labour (Man-hours)	699.00	349.48	584.19	751.95	570.87	679.03
5) Animal Labour (Pair-hours)	10.79	38.83	33.38	35.18	44.07	4.69
(Continued)						

8.03 COST OF CULTIVATION OF PRINCIPAL CROPS - 2013-14 (Concluded)						
Item	Cotton		Sugarcane			
	AP	Gujarat	A. P.	Uttar Pradesh	Maharashtra	Tamilnadu
<b>I Operational Cost</b>	<b>55,887.33</b>	<b>49,472.73</b>	<b>53,949.59</b>	<b>46,941.32</b>	<b>1,21,180.88</b>	<b>1,20,013.11</b>
Human Labour	30,826.82	26,085.16	40,365.52	26,788.72	49,022.06	87,524.36
Animal Labour	4,599.04	2,239.96	253.77	1,022.24	5,906.02	853.64
Machine Labour	3,234.45	4,037.90	2,500.53	1,105.10	20,259.99	1,228.59
Seed	3,639.78	3,003.51	2,237.08	6,486.15	5,615.31	4,287.86
<b>Fertilisers and Manure</b>	<b>8,356.08</b>	<b>7,746.48</b>	<b>4,140.92</b>	<b>4,134.12</b>	<b>22,591.92</b>	<b>15,036.31</b>
Fertilisers	7,572.56	5,307.41	3,649.75	3,718.57	20,162.32	12,189.82
Manure	783.52	2,439.07	491.17	415.55	2,429.60	2,846.49
Insecticides	3,732.65	2,285.61	-	474.96	377.69	454.65
Irrigation charges	22.84	2,920.24	1,976.23	4,955.23	11,037.87	4,667.95
Interest on working capital	1,474.70	1,153.87	2,475.54	1,973.80	6,370.02	5,959.75
Miscellaneous	0.97	-	-	1.00	-	-
<b>II Fixed Cost</b>	<b>27,604.20</b>	<b>21,200.76</b>	<b>52,097.41</b>	<b>39,184.46</b>	<b>49,750.12</b>	<b>37,637.89</b>
Rental Value of owned land	23,875.29	15,849.68	49,450.49	33,211.37	41,340.93	30,087.23
Rent paid for leased in land	645.37	896.52	-	50.76	-	-
Land revenue, cesses & taxes	0.42	12.01	-	24.99	265.84	6.71
Depreciation on implements & farm buildings	320.45	285.89	471.59	936.78	915.05	738.03
Interest on fixed capital	2,762.67	4,156.66	2,175.33	4,960.56	7,228.30	6,805.92
<b>Total I+II</b>	<b>83,491.53</b>	<b>70,673.49</b>	<b>1,06,047.00</b>	<b>86,125.78</b>	<b>1,70,931.00</b>	<b>1,57,651.00</b>
<b>III (a) Yield and value</b>						
1) Yield per hectare (Quintals)	19.63	20.82	716.80	497.72	1,073.38	961.29
2) Value of the main- product per hectare (Rs.)	81,715.41	1,05,652.50	1,64,662.60	1,37,538.10	2,37,520.00	2,37,244.40
3) Value of the by-product per hectare (Rs.)	2.37	1,487.71	172.38	6,415.66	10,476.03	3,922.98
<b>III (b) Material and Labour Inputs Per Hectare</b>						
1) Seeds (Kgs)	1.84	1.88	899.00	2,270.00	1,950.00	1,874.00
2) Fertilisers (Kgs. of Nutrients)	268.79	217.99	148.51	192.69	643.98	458.50
3) Manure (Quintals)	6.14	29.87	9.82	8.04	14.83	33.98
4) Human Labour (Man-hours)	806.58	1,062.27	1,295.17	1,195.63	1,832.07	1,965.60
5) Animal Labour (Pair-hours)	51.08	26.07	6.34	10.85	51.62	17.07
Source :Reports of the Commission for Agricultural Costs and Prices 2016-17, Department of Agriculture & Cooperation, Ministry of Agriculture & Farmers Welfare, G.O.I, New Delhi.						

8.04 (a) CROPWISE VALUE OF FERTILISERS AS INPUT AND GROSS VALUE OF OUTPUT WITH PERCENTAGE SHARE - 2007-08				
Sec. Code	Industry	Input - ferts. (Rs. Lakh)	Gross output value (Rs. Lakh)	Share of fertiliser to gross value of output (%)
(1)	(2)	(3)	(4)	(5) = (4/3)
1	Paddy	889039	19277837	4.6
2	Wheat	615898	10927720	5.6
3	Jowar	56322	750681	7.5
4	Bajra	41287	758528	5.4
5	Maize	115221	1314983	8.8
6	Gram	47221	1393830	3.4
7	Pulses	118227	5910087	2.0
8	Sugarcane	231417	3749834	6.2
9	Groundnut	75075	2128496	3.5
10	Coconut	24613	715895	3.4
11	Other Oilseeds	258174	4489337	5.8
12	Jute	12073	194216	6.2
13	Cotton	225132	2956167	7.6
14	Tea	10147	375849	2.7
15	Coffee	-	274404	-
16	Rubber	31441	708073	4.4
17	Tobacco	29377	256270	11.5
18	Fruits	75347	6668637	1.1
19	Vegetables	110399	8621443	1.3
20	Other crops	539520	11079275	4.9
Source: Adapted from <i>Input-Output Transactions Table - 2007-08</i> , Central Statistical Organisation, Ministry of Statistics and Programme Implementation, Government of India.				
8.04 (b) CROPWISE VALUE OF FERTILISER AS INPUT WITH ITS PERCENTAGE SHARE TO TOTAL AGRICULTURAL CROPS - 2007-08				
Sec. Code	Industry	Input - ferts. (Rs. Lakh)	Share of the cost of fertiliser as input to total agricultural crops (%)	
1	Paddy	889039	25.4	
2	Wheat	615898	17.6	
3	Jowar	56322	1.6	
4	Bajra	41287	1.2	
5	Maize	115221	3.3	
6	Gram	47221	1.3	
7	Pulses	118227	3.4	
	<b>Total Foodgrains</b>	<b>1883215</b>	<b>53.7</b>	
8	Sugarcane	231417	6.6	
9	Groundnut	75075	2.1	
10	Coconut	24613	0.7	
11	Other Oilseeds	258174	7.4	
12	Jute	12073	0.3	
13	Cotton	225132	6.4	
14	Tea	10147	0.3	
15	Coffee	-	-	
16	Rubber	31441	0.9	
17	Tobacco	29377	0.8	
18	Fruits	75347	2.1	
19	Vegetables	110399	3.1	
20	Other crops	539520	15.4	
	<b>Total Agricultural Crops</b>	<b>3505930</b>	<b>100.0</b>	
Source: Adapted from <i>Input-Output Transactions Table - 2007-08</i> , Central Statistical Organisation, Ministry of Statistics and Programme Implementation, Government of India.				

**9.00 AGRICULTURAL CREDIT**

9.01 AGENCY-WISE GROUND LEVEL CREDIT FLOW FOR AGRICULTURE AND ALLIED ACTIVITIES - 2007-08 to 2015-16									
(Rs. in crore)									
Agency	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16 (P)
Cooperative Banks	48,258	45,966	63,497	78,121	87,963	1,11,203	1,19,964	1,38,469	1,53,295
RRBs	25,312	26,765	35,217	44,293	54,450	63,681	82,653	1,02,483	1,19,261
Commercial Banks	1,81,088	2,28,951	2,85,800	3,45,877	3,68,616	4,32,491	5,27,506	6,04,376	6,04,668
Other Agencies	-	226	-	-	-	-	-	-	-
<b>Grand Total</b>	<b>2,54,658</b>	<b>3,01,908</b>	<b>3,84,514</b>	<b>4,68,291</b>	<b>5,11,029</b>	<b>6,07,375</b>	<b>7,30,123</b>	<b>8,45,328</b>	<b>8,77,224</b>
(P) = Provisional.									
1 Crore = 10 Million									
Source : 1. NABARD Annual Report 2015-16, NABARD.									
2. Indian Bank Association (for commercial banks ,as reported to NABARD).									

**9.02 STATE-WISE FLOW OF GROUND LEVEL CREDIT (GLC)  
FOR AGRICULTURE AND ALLIED ACITIVITIES  
2007-08 to 2011-12**

(Rs. Crore)

Sl. No.	Name of the State/UTs	2007-08	2008-09	2009-10	2010-11	2011-12 *
1	Chandigarh	2,800	4,552	11,170	8,387	-
2	Delhi	13,784	22,078	21,239	16,987	7
3	Haryana	13,442	14,915	20,248	26,685	9,512
4	Himachal Pradesh	1,474	1,714	2,200	2,488	729
5	Jammu & Kashmir	392	509	778	806	138
6	Punjab	24,146	27,187	30,266	34,700	15,588
7	Rajasthan	12,240	13,388	19,424	25,584	13,434
8	Arunachal Pradesh	21	30	38	76	4
9	Assam	653	1,008	1,144	1,741	309
10	Manipur	48	36	40	1,514	4
11	Meghalaya	41	97	76	121	32
12	Mizoram	44	38	26	92	44
13	Nagaland	41	13	42	60	22
14	Tripura	97	279	259	810	122
15	Sikkim	14	14	12	206	7
16	Bihar	3,136	4,498	5,440	9,106	5,269
17	Jharkhand	566	858	1,176	1,961	239
18	Odisha	4,390	5,403	8,410	10,456	5,484
19	West Bengal	9,723	11,627	13,239	16,696	3,670
20	A & N Islands	7	12	8	42	25
21	Madhya Pradesh	12,579	13,431	17,077	22,013	10,936
22	Chhattisgarh	1,927	1,940	5,762	5,511	1,892
23	Uttar Pradesh	17,784	21,166	26,701	32,402	13,573
24	Uttarakhand	1,530	1,758	2,540	2,859	1,276
25	Dadra & Nagar Haveli	3	7	2	11	-
26	Daman & Diu	12	5	3	10	-
27	Gujarat	13,695	14,049	18,126	23,464	7,757
28	Goa	267	132	269	2,214	24
29	Maharashtra	23,274	28,058	33,856	37,105	13,994
30	Andhra Pradesh	29,173	35,141	45,753	55,090	16,005
31	Karnataka	18,737	20,146	24,006	30,646	8,826
32	Kerala	16,876	23,823	29,337	38,495	6,210
33	Lakshadweep	2	1	1	1	-
34	Puducherry	330	384	555	850	130
35	Tamil Nadu	30,717	32,847	44,828	58,965	7,149
	Other States	-	-	-	-	-
	<b>Total</b>	<b>2,53,966</b>	<b>3,01,143</b>	<b>3,84,051</b>	<b>4,68,156</b>	<b>1,42,413</b>
	RIDF Contributed by CBs	691	765	463	136	
	Other Bonds					
	Private Sector CB					
	Other Agencies					
	Commercial Banks *					3,68,616
	<b>Grand Total</b>	<b>2,54,658</b>	<b>3,01,908</b>	<b>3,84,514</b>	<b>4,68,291</b>	<b>5,11,029</b>
	RIDF = Rural Infrastructure Development Fund					*= Breakup of commercial banks is not available
	Source: NABARD, Mumbai.					



<b>9.03 NATIONAL AGRICULTURAL INSURANCE SCHEME: TRENDS IN AREA, SUM INSURED, PREMIUM AND CLAIMS (Rabi 1999-2000 to Rabi 2014-2015)</b>								
Year	Season	Farmers Covered (Numbers)	Area (In Hectare)	Sum Insured (Rs. Lakhs)	Total Premium* (Rs. Lakhs)	Of which State + Gol Premium (Rs. Lakhs)	Claims Reported (Rs. Lakhs)	Farmers Benefitted (Numbers)
1999-2000	Rabi	5,79,940	7,80,569	35,641	542	166	769	55,288
2000-01	Kharif	84,09,374	132,19,829	6,90,338	20,674	4,740	1,22,248	36,35,252
	Rabi	20,91,733	31,11,423	1,60,268	2,779	824	5,949	5,26,697
	<b>Total</b>	<b>105,01,107</b>	<b>163,31,252</b>	<b>8,50,607</b>	<b>23,452</b>	<b>5,563</b>	<b>1,28,197</b>	<b>41,61,949</b>
2001-02	Kharif	86,96,587	128,87,710	7,50,246	26,162	4,762	49,364	17,41,906
	Rabi	19,55,431	31,45,873	1,49,751	3,015	778	6,466	4,53,325
	<b>Total</b>	<b>106,52,018</b>	<b>160,33,583</b>	<b>8,99,997</b>	<b>29,177</b>	<b>5,540</b>	<b>55,829</b>	<b>21,95,231</b>
2002-03	Kharif	97,68,711	155,32,349	9,43,169	32,547	4,486	1,82,439	42,97,155
	Rabi	23,26,811	40,37,824	1,83,755	3,850	673	18,855	9,26,408
	<b>Total</b>	<b>120,95,522</b>	<b>195,70,173</b>	<b>11,26,924</b>	<b>36,397</b>	<b>5,159</b>	<b>2,01,294</b>	<b>52,23,563</b>
2003-04	Kharif	79,70,830	123,55,514	8,11,413	28,333	2,445	65,268	17,12,270
	Rabi	44,21,287	64,68,663	3,04,949	6,406	624	49,710	20,98,125
	<b>Total</b>	<b>123,92,117</b>	<b>188,24,177</b>	<b>11,16,362</b>	<b>34,739</b>	<b>3,069</b>	<b>1,14,978</b>	<b>38,10,395</b>
2004-05	Kharif	126,87,104	242,73,394	13,17,062	45,894	2,009	1,03,829	26,74,743
	Rabi	35,31,045	53,43,244	3,77,421	7,585	412	16,059	7,72,779
	<b>Total</b>	<b>162,18,149</b>	<b>296,16,638</b>	<b>16,94,482</b>	<b>53,480</b>	<b>2,422</b>	<b>1,19,888</b>	<b>34,47,522</b>
2005-06	Kharif	126,73,833	205,31,038	13,51,910	44,995	2,044	1,08,645	26,87,605
	Rabi	40,48,524	72,18,417	5,07,166	10,482	523	33,830	9,80,748
	<b>Total</b>	<b>167,22,357</b>	<b>277,49,455</b>	<b>18,59,076</b>	<b>55,477</b>	<b>2,567</b>	<b>1,42,475</b>	<b>36,68,353</b>
2006-07	Kharif	129,34,060	196,72,280	14,75,936	46,729	2,655	1,77,622	31,31,511
	Rabi	49,77,980	76,32,882	6,54,221	14,288	1,138	51,597	13,91,554
	<b>Total</b>	<b>179,12,040</b>	<b>273,05,162</b>	<b>21,30,158</b>	<b>61,017</b>	<b>3,793</b>	<b>2,29,219</b>	<b>45,23,065</b>
2007-08	Kharif	133,98,822	207,54,747	17,00,796	52,432	2,666	91,536	15,91,863
	Rabi	50,44,016	73,87,156	7,46,664	15,871	1,800	81,018	15,78,668
	<b>Total</b>	<b>184,42,838</b>	<b>281,41,903</b>	<b>24,47,461</b>	<b>68,303</b>	<b>4,466</b>	<b>1,72,554</b>	<b>31,70,531</b>
2008-09	Kharif	129,92,272	176,36,187	15,66,607	51,194	3,372	2,37,780	42,18,975
	Rabi	62,10,648	88,57,836	11,14,871	29,572	7,240	1,50,976	19,79,705
	<b>Total</b>	<b>192,02,920</b>	<b>264,94,023</b>	<b>26,81,478</b>	<b>80,766</b>	<b>10,612</b>	<b>3,88,756</b>	<b>61,98,680</b>
2009-10	Kharif	182,53,072	257,69,817	27,61,671	86,285	5,713	4,53,745	79,70,699
	Rabi	56,81,148	78,99,761	11,00,750	29,170	7,496	58,013	10,43,877
	<b>Total</b>	<b>239,34,220</b>	<b>336,69,578</b>	<b>38,62,421</b>	<b>1,15,455</b>	<b>13,208</b>	<b>5,11,758</b>	<b>90,14,576</b>
2010-11	Kharif	126,82,242	171,08,888	23,71,107	72,179	4,541	1,64,144	22,52,829
	Rabi	49,67,878	69,38,628	11,01,056	29,817	9,418	65,794	11,38,465
	<b>Total</b>	<b>176,50,120</b>	<b>240,47,517</b>	<b>34,72,162</b>	<b>1,01,995</b>	<b>13,959</b>	<b>2,29,937</b>	<b>33,91,294</b>
2011-12	Kharif	115,54,561	157,76,489	23,48,710	71,435	5,231	1,66,542	18,44,727
	Rabi	52,39,299	76,09,278	11,28,394	25,768	6,320	54,320	12,87,183
	<b>Total</b>	<b>167,93,860</b>	<b>233,85,766</b>	<b>34,77,104</b>	<b>97,203</b>	<b>11,551</b>	<b>2,20,862</b>	<b>31,31,910</b>
2012-13	Kharif	106,49,354	156,93,701	27,19,906	87,874	10,891	2,78,579	19,09,592
	Rabi	61,41,677	86,91,157	15,70,873	44,770	17,579	2,05,255	25,43,953
	<b>Total</b>	<b>167,91,031</b>	<b>243,84,857</b>	<b>42,90,779</b>	<b>1,32,644</b>	<b>28,470</b>	<b>4,83,834</b>	<b>44,53,545</b>
2013-14	Kharif	97,46,595	142,30,707	28,92,425	97,772	15,640	3,10,041	27,85,487
	Rabi	39,73,984	64,72,310	4,61,453	29,756	9,355	1,04,361	9,96,182
	<b>Total</b>	<b>137,20,579</b>	<b>207,03,017</b>	<b>33,53,878</b>	<b>1,27,528</b>	<b>24,995</b>	<b>4,14,402</b>	<b>37,81,669</b>
2014-15	Kharif	96,83,572	115,45,892	24,38,783	84,466	6,007	2,91,841	43,35,503
	Rabi	69,22,782	89,68,424	20,89,204	53,683	17,942	1,35,844	15,45,940
	<b>Total</b>	<b>166,06,354</b>	<b>205,14,316</b>	<b>45,27,988</b>	<b>1,38,149</b>	<b>23,949</b>	<b>4,27,685</b>	<b>58,81,443</b>
Kharif seasons Total		<b>1721,00,989</b>	<b>2569,88,541</b>	<b>261,48,142</b>	<b>8,48,971</b>	<b>77,202</b>	<b>28,03,656</b>	<b>467,90,117</b>
Rabi seasons Total		<b>681,13,741</b>	<b>1005,63,161</b>	<b>124,80,296</b>	<b>3,07,351</b>	<b>82,286</b>	<b>10,39,539</b>	<b>193,18,921</b>
<b>GRAND TOTAL</b>		<b>2402,14,730</b>	<b>3575,51,702</b>	<b>386,28,437</b>	<b>11,56,322</b>	<b>1,59,488</b>	<b>38,43,195</b>	<b>661,09,038</b>
* = Total Premium = Farmers' premium + State Govt. & Gol premium.							1 Lakh = 100 thousand	
Source: Department of Agriculture, Cooperation & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India.								

9.04 WEATHER BASED CROP INSURANCE SCHEME (WBCIS): (Kharif 2010 to Rabi 2014-15)											
											(Rs. in lakh)
Year	Season	Farmers Insured (Numbers)	Area Insured (In Hectare)	Sum Insured	Farmers' Premium	GOI Premium (share)	State Govt. Premium (share)	Gross Premium	Claims Payable	Claims Paid	Farmers Benefitted (Numbers)
2010-11	Kharif	49,16,784	73,93,242	5,67,690	16,824	19,698	23,029	59,550	19,194	19,186	17,90,436
	Rabi	43,83,504	57,45,537	8,63,379	17,620	25,883	25,883	69,386	44,264	44,238	25,26,629
	<b>Total</b>	<b>93,00,288</b>	<b>131,38,779</b>	<b>14,31,069</b>	<b>34,443</b>	<b>45,582</b>	<b>48,912</b>	<b>1,28,937</b>	<b>63,458</b>	<b>63,424</b>	<b>43,17,065</b>
2011-12	Kharif	69,05,831	97,87,966	10,35,162	33,167	34,903	34,903	1,02,973	42,596	42,184	35,97,375
	Rabi	47,66,033	58,44,670	9,85,846	20,842	29,675	30,955	81,472	75,114	66,636	27,32,017
	<b>Total</b>	<b>116,71,864</b>	<b>156,32,636</b>	<b>20,21,008</b>	<b>54,009</b>	<b>64,578</b>	<b>65,858</b>	<b>1,84,445</b>	<b>1,17,709</b>	<b>1,08,820</b>	<b>63,29,392</b>
2012-13	Kharif	80,08,123	111,24,734	12,87,053	40,798	44,338	44,338	1,29,474	87,612	85,953	67,50,827
	Rabi	56,06,265	70,01,317	10,73,321	25,554	33,697	33,697	92,949	1,06,082	70,522	40,62,209
	<b>Total</b>	<b>136,14,388</b>	<b>181,26,051</b>	<b>23,60,374</b>	<b>66,353</b>	<b>78,035</b>	<b>78,035</b>	<b>2,22,423</b>	<b>1,93,694</b>	<b>1,56,475</b>	<b>108,13,036</b>
2013-14	Kharif	88,54,162	111,72,436	14,62,353	45,913	50,559	50,559	1,47,030	1,19,579	1,14,126	68,54,287
	Rabi	53,02,443	53,35,370	10,89,833	51,248	19,090	22,001	92,338	81,685	70,506	37,85,391
	<b>Total</b>	<b>141,56,605</b>	<b>165,07,806</b>	<b>25,52,186</b>	<b>97,160</b>	<b>69,648</b>	<b>72,559</b>	<b>2,39,368</b>	<b>2,01,264</b>	<b>1,84,632</b>	<b>106,39,678</b>
2014-15	Kharif	81,73,252	96,34,996	13,25,034	69,545	43,455	43,550	1,56,549	1,24,151	1,11,588	67,04,976
	Rabi(P)	30,78,605	47,50,655	4,52,298	24,310	15,731	15,797	55,837	71,056	63,646	27,96,983
	<b>Total</b>	<b>112,51,857</b>	<b>143,85,651</b>	<b>17,77,333</b>	<b>93,854</b>	<b>59,185</b>	<b>59,347</b>	<b>2,12,387</b>	<b>1,95,207</b>	<b>1,75,234</b>	<b>95,01,959</b>
<b>GRAND TOTAL</b>		<b>634,11,135</b>	<b>827,63,233</b>	<b>109,07,273</b>	<b>3,64,132</b>	<b>3,41,483</b>	<b>3,49,713</b>	<b>10,55,327</b>	<b>8,21,352</b>	<b>7,38,537</b>	<b>435,59,996</b>
Source: Department of Agriculture, Cooperation & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India.											
9.05 MODIFIED NATIONAL AGRICULTURAL INSURANCE SCHEME (MNAIS): (Rabi 2010-11 to Rabi 2014)											
											(Rs. in lakh)
Year	Season	Farmers Insured (Numbers)	Area Insured (In Hectare)	Sum Insured	Farmers' Premium	GOI Premium (share)	State Govt. Premium (share)	Gross Premium	Claims Payable	Claims Paid	Farmers Benefitted (Numbers)
2010-11	Rabi	358421	323734.24	69364.04	2375.51	1176.37	1180.2	4732.08	1614.88	1614.88	46879
	<b>Total</b>	<b>358421</b>	<b>323734.24</b>	<b>69364.04</b>	<b>2375.51</b>	<b>1176.37</b>	<b>1180.2</b>	<b>4732.08</b>	<b>1614.88</b>	<b>1614.88</b>	<b>46879</b>
2011-12	Kharif	458157	665653.8	134587.47	5012.29	3551.95	3613.66	12178.89	9609.97	9609.97	100201
	Rabi	754999	707381.12	201008.37	6781.63	4504.76	5233.88	16521.27	8428.11	8325.56	122820
	<b>Total</b>	<b>1213156</b>	<b>1373034.92</b>	<b>335595.84</b>	<b>11793.92</b>	<b>8056.7</b>	<b>8847.53</b>	<b>28700.15</b>	<b>18038.08</b>	<b>17935.53</b>	<b>223021</b>
2012-13	Kharif	2062445	2239316.33	489695.03	22033.62	17201.51	17200.51	56432.04	62344.62	62153.52	605637
	Rabi	949009	741753.02	207714.72	7500.89	5217.46	6211.87	18929.86	5361.55	5320.26	113335
	<b>Total</b>	<b>3011454</b>	<b>2981069.34</b>	<b>697409.75</b>	<b>29534.51</b>	<b>22418.97</b>	<b>23412.39</b>	<b>75361.9</b>	<b>67706.18</b>	<b>67473.78</b>	<b>718972</b>
2013-14	Kharif	2361334	2274451.46	582563.26	25504.09	19242.1	19273.58	64022.77	85468.73	81191.24	962600
	Rabi	2997404	3253404.75	640660.85	20824.57	10772.76	11831.67	43444.51	52757.48	51970.8	803094
	<b>Total</b>	<b>5358738</b>	<b>5527856.21</b>	<b>1223224.11</b>	<b>46328.66</b>	<b>30014.86</b>	<b>31105.25</b>	<b>107467.28</b>	<b>138226.21</b>	<b>133162.04</b>	<b>1765694</b>
2014-15	Kharif	5895294	7085433.17	969658.09	35196.66	28965.2	31364.64	95526.51	57063.57	54840.5	1472654
	Rabi(P)	3200079	3553047.69	911054.67	27350.95	11521.28	11522.19	50394.43	60103.92	55835.38	914486
	<b>Total</b>	<b>9095373</b>	<b>10638480.86</b>	<b>1880712.76</b>	<b>62547.61</b>	<b>40486.48</b>	<b>42886.83</b>	<b>145920.94</b>	<b>117167.49</b>	<b>110675.88</b>	<b>2387140</b>
<b>GRAND TOTAL</b>		<b>19037142</b>	<b>20844175.57</b>	<b>4206306.5</b>	<b>152580.21</b>	<b>102153.38</b>	<b>107432.19</b>	<b>362182.34</b>	<b>342752.84</b>	<b>330862.1</b>	<b>5141706</b>
Source: Department of Agriculture, Cooperation & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India.											

9.06 STATE-WISE NUMBER OF KISAN CREDIT CARDS ISSUED UPTO 31st MARCH 2015					(No.)
Sl. No.	States/UTs	Cooperative Banks	Regional Rural Banks	Commercial Banks	Total
1	Andhra Pradesh	28,95,397	15,82,084	36,89,954	81,67,435
2	Arunachal Pradesh #	450	3,294	10,448	14,192
3	Assam	27,263	4,56,677	5,90,325	10,74,265
4	Bihar	6,81,619	15,48,625	1423068	36,53,312
5	Gujarat	14,83,841	2,50,508	994490	27,28,839
6	Goa \$	1,117	-	4275	5,392
7	Haryana	13,20,725	2,08,679	571778	21,01,182
8	Himachal Pradesh	94,718	1,31,769	189050	4,15,537
9	Jammu & Kashmir	33,690	16,343	214872	2,64,905
10	Karnataka	23,75,383	8,40,059	912001	41,27,443
11	Kerala	7,87,724	1,59,671	301964	12,49,359
12	Madhya Pradesh	51,66,011	5,04,079	1488478	71,58,568
13	Maharashtra	48,69,885	3,53,084	2238521	74,61,490
14	Manipur #	484	5,588	19,887	25,959
15	Meghalaya #	25,798	16,865	59,138	1,01,801
16	Mizoram #	790	18,069	14,627	33,486
17	Nagaland #	2,364	1,096	32029	35,489
18	Odisha	44,40,063	5,73,556	703661	57,17,280
19	Punjab	9,96,147	1,16,613	747791	18,60,551
20	Rajasthan	39,26,861	5,28,884	1716205	61,71,950
21	Sikkim # \$	7,617	0	4101	11,718
22	Tamil Nadu	14,30,790	4,98,399	584878	25,14,067
23	Tripura #	1,13,154	1,13,313	79381	3,05,848
24	Uttar Pradesh	42,98,533	30,90,630	3832845	112,22,008
25	West Bengal	18,94,295	5,67,591	1032630	34,94,516
26	A & N Islands # \$	6,033	0	838	6,871
27	Chandigarh \$	0	0	1501	1,501
28	Chhattisgarh	19,35,533	2,57,904	198319	23,91,756
29	D & N Haveli @ \$	-	-	608	608
30	Daman & Diu # \$	-	-	49	49
31	Delhi # \$	311	-	4,034	4,345
32	Jharkhand	37,369	4,49,061	621491	11,07,921
33	Lakshadweep @ \$	-	-	706	706
34	Puducherry #	5,867	1,158	18497	25,522
35	Uttarakhand	3,67,072	49,027	222120	6,38,219
36	Other States	-	-	-	-
	State-wise breakup not available	-	-	-	-
	<b>Total</b>	<b>392,26,904</b>	<b>123,42,626</b>	<b>225,24,560</b>	<b>740,94,090</b>

Note: # = State Cooperative Bank functions as Central Financial Agency.  
 @ = No Cooperative Banks in these Uts.  
 \$ = No RRB in these States/ UTs.

Source: Department of Agriculture, Cooperation & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India.

**10.00 SEEDS, TRACTORS AND ELECTRICITY CONSUMPTION**

10.01 PRODUCTION / AVAILABILITY OF BREEDER, FOUNDATION AND PRODUCTION / AVAILABILITY OF CERTIFIED SEEDS							
(tonnes)							
Type of seeds	2005-06	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
Breeder seed	6,823	11,921	12,338	11,020	8,229	8,621	8,621
Foundation seed	74,800	1,80,640	2,22,681	1,61,700	1,74,307	1,57,616	1,49,542
Certified/ Quality seed	14,05,000	32,13,592	35,36,200	32,85,800	34,73,130	35,17,664	34,35,248
Source: <i>Annual Report- 2015-16</i> , Ministry of Agriculture & Farmers Welfare, GOI, New Delhi.							
10.02 PRODUCTION OF BREEDER SEEDS OF DIFFERENT CROPS 2008-09 to 2013-14							
(Quintals)							
Crops	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
Wheat	28,983	35,049	38,469	35,745	27,502	24,250	
Paddy	4,333	5,387	6,095	6,828	11,455	10,586	
Sorghum	375	221	167	158	375	305	
Maize	246	243	232	173	109	89	
Barley	3,078	3,053	2,900	1,906	698	1,820	
Pearl millet	36	8	28	32	67	28	
Small millet	18	24	42	47	109	116	
Pulse crops	13,585	13,155	15,360	16,656	14,430	12,128	
Fibre crops	114	110	71	85	121	55	
Forage crops	1,544	1,145	1,039	1,708	1,336	823	
Oilseed crops	21,852	29,417	34,015	41,446	33,235	22,398	
<b>Total</b>	<b>74,162</b>	<b>87,812</b>	<b>98,419</b>	<b>1,04,784</b>	<b>89,436</b>	<b>72,598</b>	
Source: Division of Crop Science, Indian Council of Agricultural Research, New Delhi.							

10.03 SALE OF TRACTORS, POWER TILLERS AND PUMPSETS ENERGISED - 2004-05 to 2014-15				
Year	Sale (Nos.)		Pumpset energised (No.)	
	Tractors	Power Tillers	During the year	Cummulative
2004-05	2,46,469	17,481	3,31,020	144,46,461
2005-06	2,91,680	22,303	3,97,343	148,43,804
2006-07	3,52,827	24,791	5,24,773	153,68,577
2007-08	3,46,501	26,135	3,06,096	156,74,673
2008-09	3,47,010	35,331	2,88,803	159,63,476
2009-10	4,40,230	43,464	2,30,045	161,93,521
2010-11	5,45,128	55,100	9,74,110	171,67,631
2011-12	5,35,210	60,000	10,10,505	181,78,136
2012-13	5,90,672	47,000	6,81,729	188,59,865
2013-14	6,96,828	56,000		
2014-15	5,51,463	46,000		
Source: 1. Ministry of Agriculture & Farmers Welfare, GOI, New Delhi. 2. <i>Agricultural Research Data Book 2015</i> , ICAR, New Delhi.				
10.04 CONSUMPTION OF ELECTRICITY FOR AGRICULTURAL PURPOSES -1990-91 to 2013-14				
Year	Consumption			Per centage share to Total
	Agricultural Purposes (Million KWh)	Total (Million KWh)		
1990-91	50,321	1,90,357		26.44
1995-96	85,732	2,77,029		30.95
2000-01	84,729	3,16,600		26.76
2001-02	81,673	3,22,459		25.33
2002-03	84,486	3,39,598		24.88
2003-04	87,089	3,60,937		24.13
2004-05	88,555	3,86,134		22.93
2005-06	90,292	4,11,887		21.92
2006-07	99,023	4,55,748		21.73
2007-08	1,04,182	5,01,977		20.75
2008-09	1,09,610	5,53,995		19.79
2009-10	1,20,209	6,12,645		19.62
2010-11	1,31,967	6,94,392		19.00
2011-12	1,40,960	7,85,194		17.95
2012-13	1,47,462	8,24,301		17.89
2013-14*	1,59,144	8,82,592		18.03
*Provisional KWh = Kilowatt hour. Source: <i>Agricultural Research Data Book 2015</i> , ICAR, New Delhi.				

10.05 STATE-WISE CONSUMPTION OF ELECTRICITY FOR AGRICULTURAL PURPOSE - 2011-12			
States/Zonewise	Consumption of Electricity		
	Agricultural Purposes (Million KWh)	Total (Million KWh)	% Share of Consumption for agricultural purposes
<b>Northern</b>	<b>44,400.95</b>	<b>1,93,678.70</b>	<b>22.93</b>
Haryana	9,471.67	27,614.00	34.30
Himachal Pradesh	70.41	6,843.82	1.03
Jammu & Kashmir	140.67	4,267.00	3.30
Punjab	10,248.62	33,888.38	30.24
Rajasthan	15,351.69	37,903.81	40.50
Uttar Pradesh	8,756.00	50,592.00	17.31
Uttarakhand	325.02	8,252.72	3.94
Chandigarh	1.27	1,301.48	0.10
Delhi	35.60	23,015.49	0.15
<b>Western</b>	<b>48,440.20</b>	<b>2,04,899.00</b>	<b>23.64</b>
Gujarat	13,492.34	57,654.44	23.40
Madhya Pradesh	8,018.04	28,540.78	28.09
Chhattisgarh	2,181.05	13,178.37	16.55
Maharashtra	24,725.14	96,642.38	25.58
Goa	21.63	2,973.03	0.73
Daman & Diu	-	1,771.00	-
Dadra & Nagar Haveli	2.00	4,139.00	0.05
<b>Southern</b>	<b>46,154.58</b>	<b>1,98,121.54</b>	<b>23.30</b>
Andhra Pradesh	19,076.05	70,421.00	27.09
Karnataka	15,965.68	47,455.84	33.64
Kerala	295.29	15,993.12	1.85
Tamil Nadu	10,761.00	61,896.54	17.39
Puducherry	56.56	2,321.50	2.44
Lakshadweep	-	33.54	-
<b>Eastern</b>	<b>1,891.58</b>	<b>69,305.50</b>	<b>2.73</b>
Bihar	348.37	6,183.92	5.63
Jharkhand	95.93	15,594.83	0.62
Odisha	151.45	13,054.18	1.16
West Bengal	1,295.83	33,903.33	3.82
A&N Islands	-	198.62	-
Sikkim	-	370.62	-
<b>North Eastern</b>	<b>73.10</b>	<b>6,928.51</b>	<b>1.06</b>
Assam	31.99	3,969.24	0.81
Manipur	0.83	324.83	0.26
Meghalaya	0.41	1,074.88	0.04
Nagaland	0.04	317.49	0.01
Tripura	39.74	553.97	7.17
Arunachal Pradesh	-	436.05	-
Mizoram	0.09	252.05	0.04
<b>Total (All-India)</b>	<b>1,40,960.42</b>	<b>6,72,933.25</b>	<b>20.95</b>

KWh = Kilowatt hour.

Source: Central Electricity Authority, New Delhi (Website: <http://www.cea.nic.in>).

## 11.00 GVA AND POPULATION

11.01 GROSS VALUE ADDED (GVA) BY ECONOMIC ACTIVITY AT CONSTANT (2011-12) PRICES					
(₹ crore)					
Economic Activity	2011-12	2012-13	2013-14	2014-15	2015-16
<b>I. Agriculture, forestry &amp; fishing</b>	<b>15,01,816</b>	<b>15,24,398</b>	<b>15,88,237</b>	<b>15,84,293</b>	<b>16,04,044</b>
1. Agriculture (Crops)	9,82,026	9,83,873	10,25,082	9,92,159	
<b>II. Industry</b>	<b>26,35,052</b>	<b>27,29,083</b>	<b>28,66,454</b>	<b>30,35,003</b>	<b>32,59,488</b>
1. Mining and quarrying	2,61,035	2,59,683	2,67,378	2,96,328	3,18,377
2. Manufacturing	14,09,986	14,95,268	15,79,721	16,67,069	18,21,926
3. Electricity, gas, water supply and other utility services	1,86,668	1,91,876	2,00,861	2,16,970	2,31,228
4. Construction	7,77,363	7,82,256	8,18,494	8,54,636	8,87,957
<b>III. Services</b>	<b>39,69,789</b>	<b>42,93,070</b>	<b>46,29,680</b>	<b>51,08,195</b>	<b>55,63,659</b>
1. Trade, repair, hotels and restaurant, transport, storage, communication and services related to broadcasting	14,13,116	15,49,608	16,69,844	18,33,998	19,98,292
2. Financial services, real estate, ownership of dwelling & professional services	15,30,691	16,75,592	18,44,070	20,39,460	22,48,845
3. Public administration, defence and other services	10,25,982	10,67,870	11,15,766	12,34,737	13,16,522
<b>Total GVA at basic prices (I+II+III)</b>	<b>81,06,659</b>	<b>85,46,551</b>	<b>90,84,369</b>	<b>97,27,490</b>	<b>104,27,191</b>
Note : The totals may not exactly tally due to rounding off.					
Source : <i>National Accounts Statistics</i> , Central Statistical Organisation, Ministry of Statistics & Programme Evaluation, Govt. of India.					

11.02 PERCENTAGE GROWTH IN GVA BY ECONOMIC ACTIVITY AT CONSTANT (2011-12) PRICES				
(Per cent)				
Economic Activity	2012-13	2013-14	2014-15	2015-16
<b>I. Agriculture, forestry and fishing</b>	<b>1.5</b>	<b>4.2</b>	<b>-0.2</b>	<b>1.2</b>
1. Agriculture (Crops)	0.2	4.2	-3.2	
<b>II. Industry</b>	<b>3.6</b>	<b>5.0</b>	<b>5.9</b>	<b>7.4</b>
1. Mining and quarrying	-0.5	3.0	10.8	7.4
2. Manufacturing	6.0	5.6	5.5	9.3
3. Electricity, gas, water supply and other utility services	2.8	4.7	8.0	6.6
4. Construction	0.6	4.6	4.4	3.9
<b>III. Services</b>	<b>8.1</b>	<b>7.8</b>	<b>10.3</b>	<b>8.9</b>
1. Trade, repair, hotels and restaurant, transport, storage, communication and services related to broadcasting	9.7	7.8	9.8	9.0
2. Financial services, real estate, ownership of dwelling & professional services	9.5	10.1	10.6	10.3
3. Public administration, defence and other services	4.1	4.5	10.7	6.6
<b>Total GVA at basic prices</b>	<b>5.4</b>	<b>6.3</b>	<b>7.1</b>	<b>7.2</b>
Source : <i>National Accounts Statistics</i> , Central Statistical Organisation, Ministry of Statistics & Programme Evaluation, Govt. of India.				



<b>11.03 (a) GROSS VALUE ADDED (GVA) BY ECONOMIC ACTIVITY</b>					
<b>(at current prices)</b>					
(₹ crore)					
Economic Activity	2011-12	2012-13	2013-14	2014-15	2015-16
<b>I. Agriculture, forestry &amp; fishing</b>	<b>15,01,816</b>	<b>16,80,797</b>	<b>19,02,452</b>	<b>19,95,251</b>	<b>20,93,081</b>
1. Agriculture (Crops)	9,82,026	10,90,587	12,32,116	12,52,412	
<b>II. Industry</b>	<b>26,35,052</b>	<b>29,22,523</b>	<b>31,98,200</b>	<b>34,42,679</b>	<b>36,49,847</b>
1. Mining and quarrying	2,61,035	2,85,780	2,95,978	3,04,300	3,18,672
2. Manufacturing	14,09,986	15,73,632	17,14,730	18,45,541	19,94,330
3. Electricity, gas, water supply and other utility services	1,86,668	2,15,538	2,55,812	2,88,935	3,20,186
4. Construction	7,77,363	8,47,573	9,31,680	10,03,903	10,16,659
<b>III. Services</b>	<b>39,69,789</b>	<b>46,06,703</b>	<b>52,80,162</b>	<b>60,34,480</b>	<b>65,36,482</b>
1. Trade, repair, hotels and restaurent, transport, storage, communication and services related to broadcasting	14,13,116	16,64,088	18,88,835	21,40,370	22,81,533
2. Financial services, real estate, ownership of dwelling & professional services	15,30,691	17,80,167	20,82,765	23,59,279	25,34,422
3. Public administration, defence and other services	10,25,982	11,62,448	13,08,562	15,34,831	17,20,527
<b>Total GVA at basic prices (I+II+III)</b>	<b>81,06,659</b>	<b>92,10,023</b>	<b>103,80,813</b>	<b>114,72,409</b>	<b>122,79,410</b>
Note : The totals may not exactly tally due to rounding off.					
Source : <i>National Accounts Statistics</i> , Central Statistical Organisation, Ministry of Statistics & Programme Evaluation, Govt. of India.					

<b>11.03 (b) SECTOR-WISE COMPOSITION OF GVA</b>					
<b>(at current prices)</b>					
(Per cent)					
Economic Activity	2011-12	2012-13	2013-14	2014-15	2015-16
<b>I. Agriculture, forestry &amp; fishing</b>	<b>18.5</b>	<b>18.2</b>	<b>18.3</b>	<b>17.4</b>	<b>17.0</b>
1. Agriculture (Crops)	12.1	11.8	11.9	10.9	-
<b>II. Industry</b>	<b>32.5</b>	<b>31.7</b>	<b>30.8</b>	<b>30.0</b>	<b>29.7</b>
1. Mining and quarrying	3.2	3.1	2.9	2.7	2.6
2. Manufacturing	17.4	17.1	16.5	16.1	16.2
3. Electricity, gas, water supply and other utility services	2.3	2.3	2.5	2.5	2.6
4. Construction	9.6	9.2	9.0	8.8	8.3
<b>III. Services</b>	<b>49.0</b>	<b>50.0</b>	<b>50.9</b>	<b>52.6</b>	<b>53.2</b>
1. Trade, repair, hotels and restaurent, transport, storage, communication and services related to broadcasting	17.4	18.1	18.2	18.7	18.6
2. Financial services, real estate, ownership of dwelling & professional services	18.9	19.3	20.1	20.6	20.6
3. Public administration, defence and other services	12.7	12.6	12.6	13.4	14.0
<b>Total GVA at basic prices (I+II+III)</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Source : <i>National Accounts Statistics</i> , Central Statistical Organisation, Ministry of Statistics & Programme Evaluation, Govt. of India.					

11.03 (c) GROSS NATIONAL INCOME AND NET NATIONAL INCOME						
Year	Gross national income (Rs. crore)		Net national income (Rs. crore)		Per capita net national income (Rs.)	
	Current prices	Constant prices	Current prices	Constant prices	Current prices	Constant prices
<b>2004-05 Series</b>						
1950-51	10360	292996	9829	269724	274	7513
1960-61	17870	434497	17062	411519	393	9482
1970-71	47354	640275	44550	596470	823	11025
1980-81	149987	866338	138565	795193	2041	11711
1990-91	578667	1470766	526017	1342031	6270	15996
2000-01	2154680	2535911	1947788	2291795	19115	22491
2005-06	3667253	3518348	3303532	3167455	29869	28639
2006-07	4261472	3841974	3842743	3456274	34249	30805
2007-08	4966578	4233768	4481882	3806140	39384	33446
2008-09	5597140	4390966	5031943	3922062	43604	33987
2009-10	6439827	4763090	5780028	4241183	49402	36249
2010-11	7702308	5227739	6942089	4657438	58534	39270
2011-12	8932892	5586683	8052996	4958849	66997	41255
<b>2011-12 Series (New series)</b>						
2011-12*	8659215	8659215	7742074	7742074	63460	63460
2012-13*	9834581	9118709	8774615	8109505	71050	65664
2013-14*	11132877	9717062	9934405	8615309	79412	68867
2014-15@	12340772	10427701	11007592	9235026	86879	72889
2015-16 (AE)	13409892	11214077	11961524	9934339	93231	77431
Notes: * Second revised estimates; @ First revised estimates; AE: Advance Estimates						
Source : Central Statistics Office.						
<b>11.03 (d) FOREIGN EXCHANGE RESERVES</b>						
Year	Reserves (US\$ million)		Year	Reserves (US\$ million)		
1950-51	2161		2010-11	304818		
1960-61	637		2011-12	294397		
1970-71	975		2012-13	292046		
1980-81	6823		2013-14	304223		
1990-91	5834		2014-15	320649		
1995-96	21687		2015-16			
2000-01	42281		April 2015	351869		
2001-02	54106		May 2015	352479		
2002-03	76100		June 2015	356001		
2003-04	112959		July 2015	353461		
2004-05	141514		August 2015	351438		
2005-06	151622		September 2015	350289		
2006-07	199179		October 2015	354177		
2007-08	309723		November 2015	350247		
2008-09	251985		December 2015	350381		
2009-10	279057					
Source : Reserve Bank of India. SDRs: Special Drawing Rights,						

11.04 (a) POPULATION (TOTAL AND RURAL) IN INDIA - 1901- 1941						
Census Year	Total population		Rural population			
	(in million)	Annual compound growth rate (%)	(in million)	% of rural population to total		
1901	238.4	-	212.5	25.9		
1911	252.1	0.56	226.2	25.9		
1921	251.3	(-) 0.03	223.2	28.1		
1931	279.0	1.04	245.5	33.5		
1941	318.7	1.33	274.5	44.2		
Source: Registrar General of India, New Delhi.						
11.04 (b) POPULATION AND AGRICULTURAL WORKERS IN INDIA - 1951- 2011						
Census Year	Total population		Rural population (in million)	Agricultural workers (in million)		
	(in million)	Annual compound growth rate (%)		Cultivators	Agricultural labourers	Total
1951	361.1	1.25	298.6 (82.7)	69.9 (71.9)	27.3 (28.1)	97.2
1961	439.2	1.96	360.3 (82.0)	99.6 (76.0)	31.5 (24.0)	131.1
1971	548.2	2.20	439.0 (80.1)	78.2 (62.2)	47.5 (37.8)	125.7
1981	683.3	2.22	523.9 (76.7)	92.5 (62.5)	55.5 (37.5)	148.0
1991	846.4	2.16	628.9 (74.3)	110.7 (59.7)	74.6 (40.3)	185.3
2001	1028.7	1.97	742.6 (72.2)	127.3 (54.4)	106.8 (45.6)	234.1
2011 (P)	1210.6	1.64	833.5 (68.8)	118.7 (45.1)	144.3 (54.9)	263.0
Note:1.Figures in parentheses under the column rural population are percentages to the total population. 2.Figures in parentheses under the columns cultivators and agricultural workers are percentages to the total workers. N.A. = Not available. (P) = Provisional						
Source: Registrar General of India, New Delhi.						
11.04 (c) POPULATION IN INDIA - 2002 to 2014						
Mid Year	Total population					
	(in million)	% increase over the previous year				
2002	1050.6	2.13				
2003	1068.2	1.68				
2004	1085.6	1.63				
2005	1102.8	1.58				
2006	1119.8	1.54				
2007	1136.6	1.49				
2008	1153.1	1.45				
2009	1169.4	1.41				
2010	1185.8	1.40				
2012	1213.4	0.96				
2013	1228.8	1.27				
2014(P)	1244.0	1.24				
(P) = Provisional						
Source : <i>Economic Survey 2015-16</i> , Govt. of India.						

<b>11.04 (d) ALL-INDIA PERCENTAGE OF POPULATION BELOW POVERTY LINE (Tendulkar Methodology)</b>						
	Rural		Urban		Combined	
2004-05	41.8		25.7		37.2	
2011-12	25.7		13.7		21.9	
Source: <i>Annual Report 2014-15</i> , NITI Aayog, Government of India.						
<b>11.04 (e) PROJECTED GROWTH OF POPULATION AND THE LABOUR FORCE (% per annum)</b>						
	2002-07		2007-12		2012-2017	
Population	1.54		1.37		1.22	
Labour force	2.31		1.96		1.62	
Source: LEM Division, Planning Commission (Now, NITI Aayog), New Delhi.						
<b>11.05 NUMBER OF DISTRICTS, TOWNS AND VILLAGES (2011 Census)</b>						
State/Union Territory	Districts		Towns		Villages	
	2001	2011	2001	2011	2001	2011
Andhra Pradesh	23	23	210	353	28,123	27,800
Andaman & Nicobar Islands	2	3	3	5	547	555
Arunachal Pradesh	13	16	17	27	4,065	5,589
Assam	23	n.a.	125	n.a.	26,312	n.a.
Bihar	37	38	130	199	45,098	44,874
Chhattisgarh	16	18	97	182	20,308	20,126
Chandigarh	1	n.a.	1	n.a.	24	n.a.
Dadra & Nagar Haveli	1	n.a.	2	n.a.	70	n.a.
Daman & Diu	2	n.a.	2	n.a.	23	n.a.
Delhi	9	n.a.	62	n.a.	165	n.a.
Goa	2	n.a.	44	n.a.	359	n.a.
Gujarat	25	26	242	348	18,539	18,225
Haryana	19	21	106	154	6,955	6,841
Himachal Pradesh	12	12	57	59	20,118	20,690
Jammu & Kashmir	14	n.a.	75	n.a.	6,652	n.a.
Jharkhand	18	n.a.	152	n.a.	32,615	n.a.
Karnataka	27	30	270	347	29,406	29,340
Kerala	14	14	159	520	1,364	1,018
Lakshadweep	1	n.a.	3	n.a.	24	n.a.
Madhya Pradesh	45	50	394	476	55,393	54,903
Maharashtra	35	35	378	535	43,711	43,663
Manipur	9	n.a.	33	n.a.	2,391	n.a.
Meghalaya	7	7	16	22	6,026	6,839
Mizoram	8	8	22	23	817	830
Nagaland	8	11	9	26	1,317	1,428
Odisha	30	30	138	223	51,349	51,313
Puducherry	4	n.a.	6	n.a.	92	n.a.
Punjab	17	n.a.	157	n.a.	12,673	n.a.
Rajasthan	32	33	222	297	41,353	44,672
Sikkim	4	n.a.	9	n.a.	452	n.a.
Tamil Nadu	30	32	832	1,097	16,317	15,979
Tripura	4	n.a.	23	n.a.	870	n.a.
Uttar Pradesh	70	71	704	915	1,07,452	1,06,704
Uttarakhand	13	13	86	116	16,826	16,793
West Bengal	18	19	378	909	40,782	40,203
<b>All India</b>	<b>593</b>	<b>640</b>	<b>5,161</b>	<b>7,935</b>	<b>6,38,588</b>	<b>6,40,867</b>
Source: Census of India 2011, Govt. of India						

11.06 RANK OF STATES/UNION TERRITORIES IN TOTAL POPULATION AND RURAL AND URBAN POPULATION - 2011							
Rank in total population	States / Union Territory	Total population ( <sup>'000</sup> )	% share to All-India total	Rural population		Urban population ( <sup>'000</sup> )	Density of population (per sq. km)
				In <sup>'000</sup>	% share to state total		
1	Uttar Pradesh	1,99,812	16.51	1,55,317	77.73	44,495	828
2	Maharashtra	1,12,374	9.28	61,556	54.78	50,818	365
3	Bihar	1,04,099	8.60	92,341	88.71	11,758	1,102
4	West Bengal	91,276	7.54	62,183	68.13	29,093	1,029
5	Andhra Pradesh	84,581	6.99	56,362	66.64	28,219	308
6	Madhya Pradesh	72,627	6.00	52,557	72.37	20,069	236
7	Tamil Nadu	72,147	5.96	37,230	51.60	34,917	555
8	Rajasthan	68,548	5.66	51,500	75.13	17,048	201
9	Karnataka	61,095	5.05	37,469	61.33	23,626	319
10	Gujarat	60,440	4.99	34,695	57.40	25,745	308
11	Odisha	41,974	3.47	34,971	83.31	7,004	269
12	Kerala	33,406	2.76	17,471	52.30	15,935	859
13	Jharkhand	32,988	2.73	25,055	75.95	7,933	414
14	Assam	31,206	2.58	26,807	85.90	4,399	397
15	Punjab	27,743	2.29	17,344	62.52	10,399	550
16	Chhattisgarh	25,545	2.11	19,608	76.76	5,937	189
17	Haryana	25,351	2.09	16,509	65.12	8,842	573
18	NCT of Delhi	16,788	1.39	419	2.50	16,369	11,297
19	Jammu & Kashmir	12,541	1.04	9,108	72.62	3,433	124
20	Uttarakhand	10,086	0.83	7,037	69.77	3,049	189
21	Himachal Pradesh	6,865	0.57	6,176	89.97	689	123
22	Tripura	3,674	0.30	2,712	73.83	961	350
23	Meghalaya	2,967	0.25	2,371	79.93	595	132
24	Manipur (a)	2,570	0.21	1,736	67.55	834	122
25	Nagaland	1,979	0.16	1,408	71.14	571	119
26	Goa	1,459	0.12	552	37.83	907	394
27	Arunachal Pradesh	1,384	0.11	1,066	77.06	317	17
28	Puducherry	1,248	0.10	395	31.67	853	2,598
29	Mizoram	1,097	0.09	525	47.89	572	52
30	Chandigarh	1,055	0.09	29	2.75	1,026	9,252
31	Sikkim	611	0.05	457	74.85	154	86
32	A&N Islands	381	0.03	237	62.30	143	46
33	Dadra & Nagar Haveli	344	0.03	183	53.28	161	698
34	Daman & Diu	243	0.02	60	24.83	183	2,169
35	Lakshadweep	64	0.01	14	21.93	50	2,013
	<b>All India (a)</b>	<b>12,10,570</b>	<b>100.00</b>	<b>8,33,463</b>	<b>68.85</b>	<b>3,77,106</b>	<b>382</b>

(a) = India and Manipur figures include estimated population for those of the three sub-divisions, viz., Mao Maram, Paomata and Purul Senapati district of Manipur as census results of 2011 in these three sub-divisions were cancelled due to technical and administrative reasons.

Source : Census of India 2011.

11.07 CLASSIFICATION OF WORKERS ACCORDING TO 2001 CENSUS						
State/ Union Territory	Cultivators	Agricultural labourers	Other workers	Total number of workers	As % of total number of workers	
					Cultivators	Agricultural labourers
Andhra Pradesh	7,860	13,832	13,202	34,894	22.5	39.6
Arunachal Pradesh	279	19	185	483	57.8	3.9
Assam	3,731	1264	4,544	9,539	39.1	13.3
Bihar	8,194	13,418	6,363	27,975	29.3	48.0
Chhattisgarh	4,311	3,091	2,278	9,680	44.5	31.9
Goa	50	36	437	523	9.6	6.8
Gujarat	5,803	5,162	10,291	21,256	27.3	24.3
Haryana	3,018	1279	4,080	8,377	36.0	15.3
Himachal Pradesh	1,955	94	943	2,992	65.3	3.1
Jammu & Kashmir	1,592	246	1,916	3,754	42.4	6.6
Jharkhand	3,890	2851	3,368	10,109	38.5	28.2
Karnataka	6,884	6,227	10,424	23,535	29.2	26.5
Kerala	724	1,621	7,939	10,284	7.0	15.8
Madhya Pradesh	11,038	7,401	7,355	25,794	42.8	28.7
Maharashtra	11,813	10,815	18,545	41,173	28.7	26.3
Manipur	380	113	452	945	40.2	12.0
Meghalaya	467	172	331	970	48.1	17.7
Mizoram	256	27	184	467	54.9	5.7
Nagaland	549	31	268	848	64.7	3.6
Odisha \$	4,248	4,999	5,029	14,276	29.8	35.0
Punjab	2,065	1,490	5,572	9,127	22.6	16.3
Rajasthan	13,140	2,524	8,103	23,767	55.3	10.6
Sikkim	131	17	115	263	70.5	6.5
Tamil Nadu	5,116	8,638	14,124	27,878	18.4	31.0
Tripura	313	276	571	1,160	27.0	23.8
Uttar Pradesh	22,168	13,401	18,415	53,984	41.1	24.8
Uttarakhand	1,570	260	1,304	3,134	50.1	8.3
West Bengal	5,654	7,363	16,465	29,482	19.2	25.0
A & N Islands	21	5	110	136	15.8	3.8
Chandigarh	2	0.6	337	340	0.6	0.2
Dadra & Nagar Haveli	39	15	60	114	34.6	12.9
Daman & Diu	4	1	68	73	5.5	1.8
Delhi	37	16	4,492	4,545	0.8	0.3
Lakshadweep	0.03	0.01	15	15	0.2	0.1
Puducherry	11	72	260	343	3.2	21.0
<b>All India @</b>	<b>1,27,313</b>	<b>1,06,775</b>	<b>1,68,143</b>	<b>4,02,235</b>	<b>31.7</b>	<b>26.5</b>

Note: Totals may not exactly tally due to roundoff.  
 @ = Excludes Manipur                      \$ = from November 2011 (Formerly Orissa).  
 Source : Census of India 2001, Government of India

11.08 (a) NUMBER AND PERCENTAGE OF POPULATION BELOW POVERTY LINE BY STATES							
2004-05 (Tendulkar Methodology)							
S. No.	States / UTs	Rural		Urban		Combined	
		% of persons	No. of persons (in lakhs)	% of persons	No. of persons (in lakhs)	% of persons	No. of persons (in lakhs)
1	Andhra Pradesh	32.3	180.0	23.4	55.0	29.6	235.1
2	Arunachal Pradesh	33.6	3.2	23.5	0.6	31.4	3.8
3	Assam	36.4	89.4	21.8	8.3	34.4	97.7
4	Bihar	55.7	451.0	43.7	42.8	54.4	493.8
5	Chhattisgarh	55.1	97.8	28.4	13.7	49.4	111.5
6	Delhi	15.6	1.1	12.9	18.3	13.0	19.3
7	Goa	28.1	1.8	22.2	1.7	24.9	3.4
8	Gujarat	39.1	128.5	20.1	42.9	31.6	171.4
9	Haryana	24.8	38.8	22.4	15.9	24.1	54.6
10	Himachal Pradesh	25.0	14.3	4.6	0.3	22.9	14.6
11	Jammu & Kashmir	14.1	11.6	10.4	2.9	13.1	14.5
12	Jharkhand	51.6	116.2	23.8	16.0	45.3	132.1
13	Karnataka	37.5	134.7	25.9	51.8	33.3	186.5
14	Kerala	20.2	42.2	18.4	19.8	19.6	62.0
15	Madhya Pradesh	53.6	254.4	35.1	61.3	48.6	315.7
16	Maharashtra	47.9	277.8	25.6	114.6	38.2	392.4
17	Manipur	39.3	6.7	34.5	2.3	37.9	9.0
18	Meghalaya	14.0	2.9	24.7	1.2	16.1	4.1
19	Mizoram	23.0	1.1	7.9	0.4	15.4	1.5
20	Nagaland	10.0	1.5	4.3	0.2	8.8	1.7
21	Odisha	60.8	198.8	37.6	22.8	57.2	221.6
22	Puducherry	22.9	0.8	9.9	0.7	14.2	1.5
23	Punjab	22.1	36.7	18.7	16.9	20.9	53.6
24	Rajasthan	35.8	166.4	29.7	43.5	34.4	209.8
25	Sikkim	31.8	1.5	25.9	0.2	30.9	1.7
26	Tamil Nadu	37.5	134.4	19.7	59.7	29.4	194.1
27	Tripura	44.5	11.9	22.5	1.5	40.0	13.4
28	Uttar Pradesh	42.7	600.5	34.1	130.1	40.9	730.7
29	Uttarakhand	35.1	23.1	26.2	6.6	32.7	29.7
30	West Bengal	38.2	227.5	24.4	60.8	34.2	288.3
31	A & N Islands	4.1	0.1	0.8	-	3.0	0.1
32	Chandigarh	34.7	0.2	10.1	0.9	11.6	1.1
33	Dadra & Nagar Haveli	63.6	1.1	17.8	0.1	49.3	1.3
34	Daman & Diu	2.6	-	14.4	0.1	8.8	0.2
35	Lakshadweep	0.4	-	10.5	-	6.4	-
<b>All India</b>		<b>41.8</b>	<b>3,263.0</b>	<b>25.7</b>	<b>808.0</b>	<b>37.2</b>	<b>4,071.0</b>

Source: 1. *Annual Report 2013-14* of Planning Commission (Now, NITI Aayog), Government of India.  
2. All-India total, Source: *Annual Report 2014-15*, NITI Aayog, Govt. of India.



11.08 (b) NUMBER AND PERCENTAGE OF POPULATION BELOW POVERTY LINE BY STATES							
2011-12 (Tendulkar Methodology)							
S. No.	States / UTs	Rural		Urban		Combined	
		% of persons	No. of persons (in lakhs)	% of persons	No. of persons (in lakhs)	% of persons	No. of persons (in lakhs)
1	Andhra Pradesh	10.96	61.80	5.81	16.98	9.20	78.78
2	Arunachal Pradesh	38.93	4.25	20.33	0.66	34.67	4.91
3	Assam	33.89	92.06	20.49	9.21	31.98	101.27
4	Bihar	34.06	320.40	31.23	37.75	33.74	358.15
5	Chhattisgarh	44.61	88.90	24.75	15.22	39.93	104.11
6	Delhi	12.92	0.50	9.84	16.46	9.91	16.96
7	Goa	6.81	0.37	4.09	0.38	5.09	0.75
8	Gujarat	21.54	75.35	10.14	26.88	16.63	102.23
9	Haryana	11.64	19.42	10.28	9.41	11.16	28.83
10	Himachal Pradesh	8.48	5.29	4.33	0.30	8.06	5.59
11	Jammu & Kashmir	11.54	10.73	7.20	2.53	10.35	13.27
12	Jharkhand	40.84	104.09	24.83	20.24	36.96	124.33
13	Karnataka	24.53	92.80	15.25	36.96	20.91	129.76
14	Kerala	9.14	15.48	4.97	8.46	7.05	23.95
15	Madhya Pradesh	35.74	190.95	21.00	43.10	31.65	234.06
16	Maharashtra	24.22	150.56	9.12	47.36	17.35	197.92
17	Manipur	38.80	7.45	32.59	2.78	36.89	10.22
18	Meghalaya	12.53	3.04	9.26	0.57	11.87	3.61
19	Mizoram	35.43	1.91	6.36	0.37	20.40	2.27
20	Nagaland	19.93	2.76	16.48	1.00	18.88	3.76
21	Odisha	35.69	126.14	17.29	12.39	32.59	138.53
22	Punjab	7.66	13.35	9.24	9.82	8.26	23.18
23	Rajasthan	16.05	84.19	10.69	18.73	14.71	102.92
24	Sikkim	9.85	0.45	3.66	0.06	8.19	0.51
25	Tamil Nadu	15.83	59.23	6.54	23.40	11.28	82.63
26	Tripura	16.53	4.49	7.42	0.75	14.05	5.24
27	Uttarakhand	11.62	8.25	10.48	3.35	11.26	11.60
28	Uttar Pradesh	30.40	479.35	26.06	118.84	29.43	598.19
29	West Bengal	22.52	141.14	14.66	43.83	19.98	184.98
30	Puducherry	17.06	0.69	6.30	0.55	9.69	1.24
31	A & N Islands	1.57	0.04	-	-	1.00	0.04
32	Chandigarh	1.64	-	22.31	2.34	21.81	2.35
33	Dadra & Nagar Haveli	62.59	1.15	15.38	0.28	39.31	1.43
34	Daman & Diu	-	-	12.62	0.26	9.86	0.26
35	Lakshadweep	-	-	3.44	0.02	2.77	0.02
<b>All India</b>		<b>25.70</b>	<b>2,165.00</b>	<b>13.70</b>	<b>528.00</b>	<b>21.92</b>	<b>2,693.00</b>

Source: 1. *Annual Report 2013-14* of Planning Commission (Now, NITI Aayog), Government of India.  
2. All-India total, Source: *Annual Report 2014-15*, NITI Aayog, Govt. of India.

11.09 MINIMUM RATES OF WAGES FOR DIFFERENT CATEGORY OF FARM WORKERS IN DIFFERENT STATES / UTs UNDER THE MINIMUM WAGES ACT, 1948							
(₹ Per Day)							
S. No.	Appropriate Governments	Category	Minimum wages for agricultural workers with V.D.A.	S. No.	Appropriate Governments	Category	Minimum wages for agricultural workers with V.D.A.
1	2	3	4	1	2	3	4
1.	<b>Central Sphere</b>	<b>Unskilled</b>	<b>204.00-226.00</b>	16.	Karnataka	-	288.66
		<b>Semi-skilled</b>	<b>209.00-247.00</b>	17.	Kerala	For Light Work	150.00
		<b>Skilled / clerical</b>	<b>227.00-269.00</b>			For Hard Work	200.00
		<b>Highly skilled</b>	<b>247.00-298.00</b>	18.	Lakshadweep	Unskilled	255.20
						Semi-skilled	280.20
						Skilled	305.20
						Highly skilled	330.20
				19.	Madhya Pradesh	Unskilled	186.53
	<b>States / Union Territories</b>			20.	Maharashtra		191.01
1.	Andhra Pradesh	Lowest	221.25	21.	Manipur	Unskilled	122.10
		Highest	309.34			Semi-skilled	129.97
2.	A & N Islands	Unskilled	269.00-280.00			Skilled	132.60
		Semi-skilled	281.00-289.00	22.	Meghalaya	Unskilled	160.00
		Skilled	294.00-311.00			Semi-skilled	170.00
		Highly skilled	315.00-333.00			Skilled	180.00
3.	Arunachal Pradesh	Unskilled	150-170			Highly skilled	200.00
		Skilled	170 - 190	23.	Mizoram	Unskilled	220.00
4.	Assam	Unskilled	177.84			Semi-skilled	250.00
		Semi-skilled	205.20			Skilled - II	310.00
		Skilled	284.55			Skilled - I	380.00
5.	Bihar	-	186.00-257.88	24.	Nagaland	Unskilled	115.00
6.	Chandigarh	Unskilled	306.19			Semi-skilled	125.00
		Semi-skilled	312.00-316.00			Skilled	135.00
		Skilled	324.00-332.15	25.	Odisha	Unskilled	150.00
		Highly skilled	348	26.	Puducherry	Puducherry & Karaikal	70.00 & 80.00
7.	Chhattisgarh	Unskilled	148.96			Yanam	55.00
8.	Dadra & Nagar Haveli	Unskilled	220.80			Mahe	120.00
		Semi-skilled	227.30	27.	Punjab	Unskilled	273.95
		Skilled	233.80	28.	Rajasthan	Unskilled	189.00
9.	Delhi	Unskilled	348.00			Semi-skilled	199.00
		Semi-skilled	385.00			Skilled	209.00
		Skilled	423.00			Highly skilled	259.00
10.	Goa	Unskilled	225-267	29.	Tamil Nadu	For (6 Hours)	146.00
11.	Gujarat	-	150.00	30.	Tripura	Adult	250.00
12.	Haryana	Unskilled	223.56			Young	174.00
		Semi-skilled	228.56-233.56	31.	Uttar Pradesh	Unskilled	161.00
		Skilled	238.56-243.56	32.	Uttarakhand	Unskilled	200.00
		Highly skilled	248.56	33.	West Bengal	Unskilled	216.00
13.	Himachal Pradesh	Unskilled	170.00			Semi-skilled	238.00
14.	Jammu & Kashmir	Unskilled	110.00			Skilled	261.00
		Semi-skilled	150.00				
		Skilled	200.00				
		Supervisor	175.00				
15.	Jharkhand	Tractor driver and pump operator	255.91				
		Chowkidar	200.43				
		All other Agril. operations	187.43				
VDA = Variable Dearness Allowance.							
Source : Agricultural Statistics at a Glance 2015, Ministry of Agriculture & Farmers Welfare, Govt. of India, New Delhi.							

## 12.00 FIVE YEAR PLANS

12.01 PLAN-WISE TREND OF GROWTH OF TOTAL GDP AND AGRICULTURE GDP \*  
(AT 1993-94 PRICES)

(% per annum)

Plan	Average growth rate		Compound growth rate		Targetted average annual growth rate Agri.
	GDP	Agri-GDP	GDP	Agri-GDP	
Fifth Plan (1974-79)	4.9	3.6	4.8	3.4	3.3
Sixth Plan (1980-85)	5.7	5.7	5.6	5.6	3.8
Seventh Plan (1985-90)	6.0	3.1	5.9	3.0	2.5
Two Annual Plans (1990-92)	3.5	1.3	3.4	1.2	-
Eighth Plan (1992-97)	6.7	4.7	7.0	4.7	3.1
Ninth Plan (1997-2002)	5.5	2.1	5.5	2.0	3.9
Tenth Plan (2002-07) **	7.6	2.3	7.6	2.1	4.0

\* = Including Allied Sectors

\*\* = At 1999-2000 prices.

Source: *Agricultural Statistics at a Glance 2008*, Directorate of E & S, Ministry of Agriculture, GOI, N. Delhi.

## 12.02 PUBLIC SECTOR PLAN OUTLAY IN AGRICULTURE AND ALLIED ACTIVITIES

(Rs. in crores)

Plans	Total Plan outlay	Agriculture and allied sectors	%age of agriculture & allied sectors to total
I Plan (1951-56)	2,378	354	14.9
II Plan (1956-61)	4,500	501	11.3
III Plan (1961-66)	8,577	1,089	12.7
Annual Plans (1966-69)	6,625	1,107	16.7
IV Plan (1969-74)	15,779	2,320	14.7
V Plan (1974-79)	39,426	4,865	12.3
Annual Plan (1979-80)	12,177	1,997	16.4
VI Plan (1980-85)	97,500	5,695	5.8
VII Plan (1985-90)	180,000	10,525	5.9
Annual Plan (1990-91)	58,369	3,405	5.8
Annual Plan (1991-92)	64,751	3,851	6.0
VIII Plan (1992-97)	434,100	22,467	5.2
IX Plan (1997-2002)	859,200	37,546	4.4
X Plan (2002-07)	1,525,639	58,933	3.9
XI Plan (2007-12)	3,644,718	136,381	3.7
XII Plan (2012-17)	7,669,807	363,273	4.7

Source: 1. Five Year Plan Documents.

2. *Agricultural Statistics at a Glance 2013*, Directorate of E & S, Ministry of Agriculture, GOI, N. Delhi.

12.03 DISAGGREGATED PUBLIC SECTOR OUTLAYS / EXPENDITURE UNDER AGRICULTURE AND ALLIED ACTIVITIES - 2010-11 to 2015-16											
(₹crore)											
Programme	2010-11#		2011-12#		2012-13#		2013-14#		2014-15#		2015-16#
	BE	AE	BE	AE	BE	AE	BE	AE	BE	RE	BE
Crop Husbandry	7084	9813	7891	8066	9034	8660	9876	9185	4432	3857	4339
Horticulture	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Soil & Water Conservation	16	14	15	15	16	15	19	16	18	17	18
Animal Husbandry	855	715	950	724	1063	888	975	925	172	151	130
Dairy Development	76	85	223	196	353	524	525	502	411	365	482
Fisheries	242	291	270	304	299	297	317	316	423	302	411
Forestry & Wildlife	796	929	786	914	907	806	1041	884	379	318	275
Plantation	331	474	415	595	446	501	458	468	370	347	360
Food Storage & Warehousing	498	502	644	703	787	764	801	1222	727	1169	1090
Agriculture, Research & Education	2070	2522	2492	2573	2898	2461	3113	2451	3354	2211	3321
Agricultural Financial Institutions	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Cooperation	82	103	222	124	125	104	121	112	125	99	112
Other Agricultural Programmes	258	268	836	1980	1764	2008	1535	1707	1120	1364	1120
<b>Total Agriculture and Allied Programmes</b>	<b>12308</b>	<b>15716</b>	<b>14744</b>	<b>16194</b>	<b>17692</b>	<b>17030</b>	<b>18781</b>	<b>17788</b>	<b>11531</b>	<b>10199</b>	<b>11657</b>
AE = Actual Expenditure BE = Budget Estimate RE = Revised Estimates. # = For Centre only, as figures for States & UTs are not available in sub-head-wise. Note : Totals may not tally due to rounding off of the figures. Source: <i>Agricultural Statistics at a Glance 2015</i> , Directorate of E & S, Ministry of Agriculture, GOI, N. Delhi.											

## 12.04 COMPARISON OF STATES OUTLAY AND EXPENDITURE FOR ELEVENTH AND TWELFTH PLAN

(₹ in crore at current prices)

States	Eleventh Plan Outlay		Eleventh Plan Expenditure		Twelfth Plan Outlay	
	Agriculture and Allied Sector	% of Total Plan	Agriculture and Allied Sector	% of Total Plan	Agriculture and Allied Sector	% of Total Plan
Andhra Pradesh	3,487.44	2.4	9,510.46	6.0	17,138	5.0
Arunachal Pradesh	752.00	9.5	617.71	5.7	1,114	5.3
Assam	877.86	2.1	2,335.56	7.8	3,272	5.9
Bihar	3,672.73	4.8	4,805.33	6.3	15,613	6.0
Chhattisgarh	4,613.00	8.6	5,637.00	12.7	8,284	6.9
Goa	211.76	2.5	325.39	3.6	1,046	3.9
Gujarat	9,092.94	0.7	8,879.80	6.9	19,712	7.8
Haryana	1,638.82	4.7	2,733.02	5.7	6,288	5.4
Himachal Pradesh	1,470.08	10.7	1,642.82	12.1	2,174	9.7
J & K	1,818.21	7.0	892.98	3.5	2,843	9.7
Jharkhand	3,130.53	7.8	2,319.85	5.9	4,157	3.8
Karnataka	8,426.85	8.3	10,484.40	7.7	19,824	8.9
Kerala	2,649.11	7.8	2,931.54	7.6	8,831	11.5
Madhya Pradesh	3,408.18	4.8	6,057.09	7.3	17,076	8.5
Maharashtra	9,507.64	5.9	10,636.40	7.3	19,325	7.03
Manipur	386.55	4.7	234.04	3.2	643	3.1
Meghalaya	735.52	8.0	845.20	9.8	2,114	10.7
Mizoram	536.31	9.6	387.86	7.1	346	2.8
Odisha	1,230.29	3.8	3,580.37	8.2	8,387	7.4
Nagaland	434.31	8.3	725.08	11.3	1,795	13.8
Punjab	1,309.13	4.5	1,410.77	4.0	1,524	2.9
Rajasthan	2,919.07	4.1	5,990.67	6.2	7,255	5.6
Sikkim	260.43	6.9	228.27	6.4	469	4.1
Tamil Nadu	7,831.57	9.2	8,170.01	8.8	20,680	10.0
Tripura	798.51	9.0	858.79	11.3	980	6.8
Uttar Pradesh	19,146.37	10.6	14,164.80	7.8	24,354	8.5
Uttarakhand	2,478.50	8.4	2,079.25	10.0	2,673	5.9
West Bengal	1,846.50	2.9	3,339.26	5.1	8,583	5.5
<b>Total</b>	<b>94,670.21</b>	<b>3.6</b>	<b>111,823.72</b>	<b>7.2</b>	<b>226,500</b>	<b>7.1</b>

Source: www.planningcommissionarchive.nic.in

12.05 PLAN-WISE IRRIGATION POTENTIAL CREATED AND UTILISED							
(in million hectares)							
Plan		Potential created			Potential utilised		
		Major & Medium	Minor	Total	Major & Medium	Minor	Total
Upto 1951 (Pre-plan)	Cumulative	9.70	12.90	22.60	9.70	12.90	22.60
I Plan (1951-56)	During	2.50	1.16	3.66	1.28	1.16	2.44
	Cumulative	12.20	14.06	26.26	10.98	14.06	25.04
II Plan (1956-61)	During	2.13	0.69	2.82	2.07	0.69	2.76
	Cumulative	14.33	14.75	29.08	13.05	14.75	27.80
III Plan (1961-66)	During	2.24	2.25	4.49	2.12	2.25	4.37
	Cumulative	16.57	17.00	33.57	15.17	17.00	32.17
Annual plans (1966-69)	During	1.53	2.00	3.53	1.58	2.00	3.58
	Cumulative	18.10	19.00	37.10	16.75	19.00	35.75
IV Plan (1969-74)	During	2.60	4.50	7.10	1.64	4.50	6.14
	Cumulative	20.70	23.50	44.20	18.39	23.50	41.89
V Plan (1974-78)	During	4.02	3.80	7.82	2.77	3.80	6.57
	Cumulative	24.72	27.30	52.02	21.16	27.30	48.46
Annual plans (1979-80)	During	1.89	2.70	4.59	1.48	2.70	4.18
	Cumulative	26.61	30.00	56.61	22.64	30.00	52.64
VI Plan (1980-85)	During	1.09	7.52	8.61	0.93	5.25	6.18
	Cumulative	27.70	37.52	65.22	23.57	35.25	58.82
VII Plan (1985-90)	During	2.22	9.09	11.31	1.90	7.87	9.77
	Cumulative	29.92	46.61	76.53	25.47	43.12	68.59
Annual plans (1990-92)	During	0.82	3.74	4.56	0.84	3.42	4.26
	Cumulative	30.74	50.35	81.09	26.31	46.54	72.85
VIII Plan (1992-97)	During	2.21	2.96	5.17	2.13	2.23	4.36
	Cumulative	32.95	53.31	86.26	28.44	48.77	77.21
IX Plan (1997-2002)	During	4.10	3.59	7.69	2.57	1.22	3.79
	Cumulative	37.05	56.90	93.95	31.01	49.99	81.00
X Plan (2002-2007)	During	4.59	3.52	8.82	2.73	2.82	6.23
	Cumulative	41.64	60.42	102.77	33.74	52.81	87.23
XI Plan (2007-2012) *	During	5.77	4.70	10.47	1.27	1.44	2.71
	Cumulative	47.41	65.12	113.24	35.01	54.25	89.94
*= Anticipated.		Source: www.planningcommissionarchive.nic.in					

**CONVERSION FACTORS AND GLOSSARY**

<b>1. CONVERSION RATIOS BETWEEN AGRICULTURAL RAW MATERIAL AND PROCESSED PRODUCT</b>	
<b>Raw materials</b>	<b>Processed products</b>
<b>Rice</b>	
Rice (cleaned) production	2/3 of paddy production
<b>Cotton</b>	
Cotton lint production	1/3 of kapas production
Cotton seed production	2/3 of kapas production
	2 times of cotton lint production
1 Candy	355 kgs or 782.42 lbs.
<b>Jute</b>	
100 yards of hessian	54 lb. of raw jute
4,148 yards of hessian	1 ton of raw jute
	5.55 bales of raw jute (of 180 kg each)
1 tonne of sacking	1.11 tonnes of raw jute
	6.17 bales of raw jute (of 180 kg each)
1 tonne of hessian, sacking, etc.	1.05 tonnes of raw jute
	5.85 bales of raw jute (of 180 kg each)
<b>Groundnut</b>	
Kernel to nuts in shell	70 per cent
Oil to nuts in shell	28 " "
Oil to kernels crushed	40 " "
Cake to kernels crushed	60 " "
<b>Sesamum</b>	
Oil to seeds crushed	40 " "
Cake to seeds crushed	60 " "
<b>Rapeseed and mustard</b>	
Oil to seeds crushed	33 " "
Cake to seeds crushed	67 " "
<b>Linseed</b>	
Oil to seeds crushed	33 " "
Cake to seeds crushed	67 " "
<b>Castor seed</b>	
Oil to seeds crushed	37 " "
Cake to seeds crushed	63 " "
<b>Cotton seed</b>	
Oil to seeds crushed	14 to 18 per cent
Cake to seeds crushed	82 to 86 " "
<b>Coconut</b>	
Copra to nuts	One tonne of copra = 6,773 nuts
Oil to copra crushed	62 per cent
Cake to copra crushed	38 " "

(Continued)

<b>1. CONVERSION RATIOS BETWEEN AGRICULTURAL RAW MATERIAL AND PROCESSED PRODUCT (Concluded)</b>	
<b>Raw materials</b>	<b>Processed products</b>
<b>Niger seed</b>	
Oil to seeds crushed	28 per cent
Cake to seeds crushed	72 " "
<b>Kardi seed</b>	
Oil to seeds crushed	40 " "
Cake to seeds crushed	60 " "
<b>Mahua seed</b>	
Oil to seeds crushed	36 " "
Cake to seeds crushed	64 " "
<b>Neem seed</b>	
Oil to kernels crushed	45 to 50 per cent
Cake to kernels crushed	50 to 55 " "
<b>Soyabean seed</b>	
Oil to soyabean seed crushed	18 per cent
Meal to soyabean seed crushed	73 " "
Hull from soyabean seed crushed	8 " "
Wastage from soyabean seed crushed	1 " "
<b>Sugar</b>	
Gur from cane crushed	10 per cent
Crystal sugar from gur refined (gur refineries)	62.4 " "
Crystal sugar from cane crushed (cane factories)	9.97 " "
Khandsari sugar from gur refined	37.5 " "
Molasses from cane crushed	3.5 " "
Cane thrash* from cane harvested	10.0 " "
<b>Lac</b>	
Seed lac	66.0 per cent of stick lac
Shell lac	57.4 per cent of stick lac or 87 per cent of seed lac
<b>Cashew nuts</b>	
Cashew kernels	25 per cent of cashew nuts
<b>Butter and ghee</b>	
Butter from mixed milk	6.9 per cent
Ghee from mixed milk	5.5 " "
<p>* This consists of leaves and a portion of the top of the stalk which are removed from the cane stalk while harvesting and before sending the cane for milling.</p> <p>Source: <i>Indian Agriculture in Brief, 26th Edition</i>, Directorate of Economics and Statistics, Ministry of Agriculture, New Delhi.</p>	



2. GLOSSARY OF ENGLISH AND HINDI NAMES OF IMPORTANT CROPS		
Crop/ Group of Crops	English	Hindi
<b>Cereals</b>	Bara (Bulrush or spiked millet)	Bajra
	Barley	Jau
	Cholam (Great Millet)	Jowar
	Maize	Makka
	Ragi	Mundua
	Paddy (Rice)	Dhan (Chawal)
	Wheat	Gehun
<b>Pulses and Beans</b>	Black gram	Urad
	Chickpea (Bengal gram)	Chana
	Chicking vetch	Khesari
	Cluster Bean	Guar
	Cowpea	Lobia
	Green Gram	Mung
	Horsegram	Kulthi
	Lentil	Masur
	Peas	Matar
	Red gram (Pigion pea)	Tur/Arhar
Soybean	Soyabean	
<b>Sugar Crop/ Fruits</b>	Sugarcane	Ganna
	Apple	Seb
	Apricot	Khoobani
	Cashewnut	Kaju
	Grape	Angur
	Guvava	Amrood
	Jackfruit	Katahal
	Lemon	Nimbu
	Lime	Bara Nimbu
	Litchi	Litchi
	Mango	Aam
	Orange Mandar	Santara, Narangi
	Papaya	Papeeta
	Pear	Naspati
	Pineapple	Ananas
	Banana	Kela
	Pomegranate	Anaar
Sweet Orange	Malta, Mosambi	

(Continued)

2. GLOSSARY OF ENGLISH AND HINDI NAMES OF IMPORTANT CROPS (Concluded)		
Crop/ Group of Crops	English	Hindi
<b>Vegetables</b>	Ash gourd	Petha
	Beet	Chukandar
	Bitter gourd	Karela
	Bottle gourd	Lauki
	Brinjal	Baingan
	Cabbage	Band gobi
	Carrot	Gajar
	Cauliflower	Phul gobi
	Cowpea	Lobia
	Cucumber	Kheera
	French bean	Faras bean
	Lady's finger	Bhindi
	Little gourd	Kundur
	Musk melon	Kharbooza
	Onion	Piyaz
	Potato	Aaloo
	Pumpkin	Sitaphal, Lal Kaddu, Kumbhra
	Radish	Muli
Round gourd of India	Tinda	
Tomato	Tamatar	
Turnip	Shalgam	
Water melon	Tarbooz	
<b>Drugs and Narcotics</b>	Betal Leave	Paan
	Betalnut(arecanut)	Supari
	Indian hemp	Bhang
	Opium	Afeem
	Tobacco	Tambaku
<b>Condiments and Spices</b>	Black pepper	Kalimirch
	Cardamom	Chhoti ilaichi
	Chillies	Lalmirch
Source: <i>Agricultural Statistics at a Glance 2013</i> , Ministry of Agriculture & Farmers Welfare, Govt. of India, New Delhi.		

**PART III**

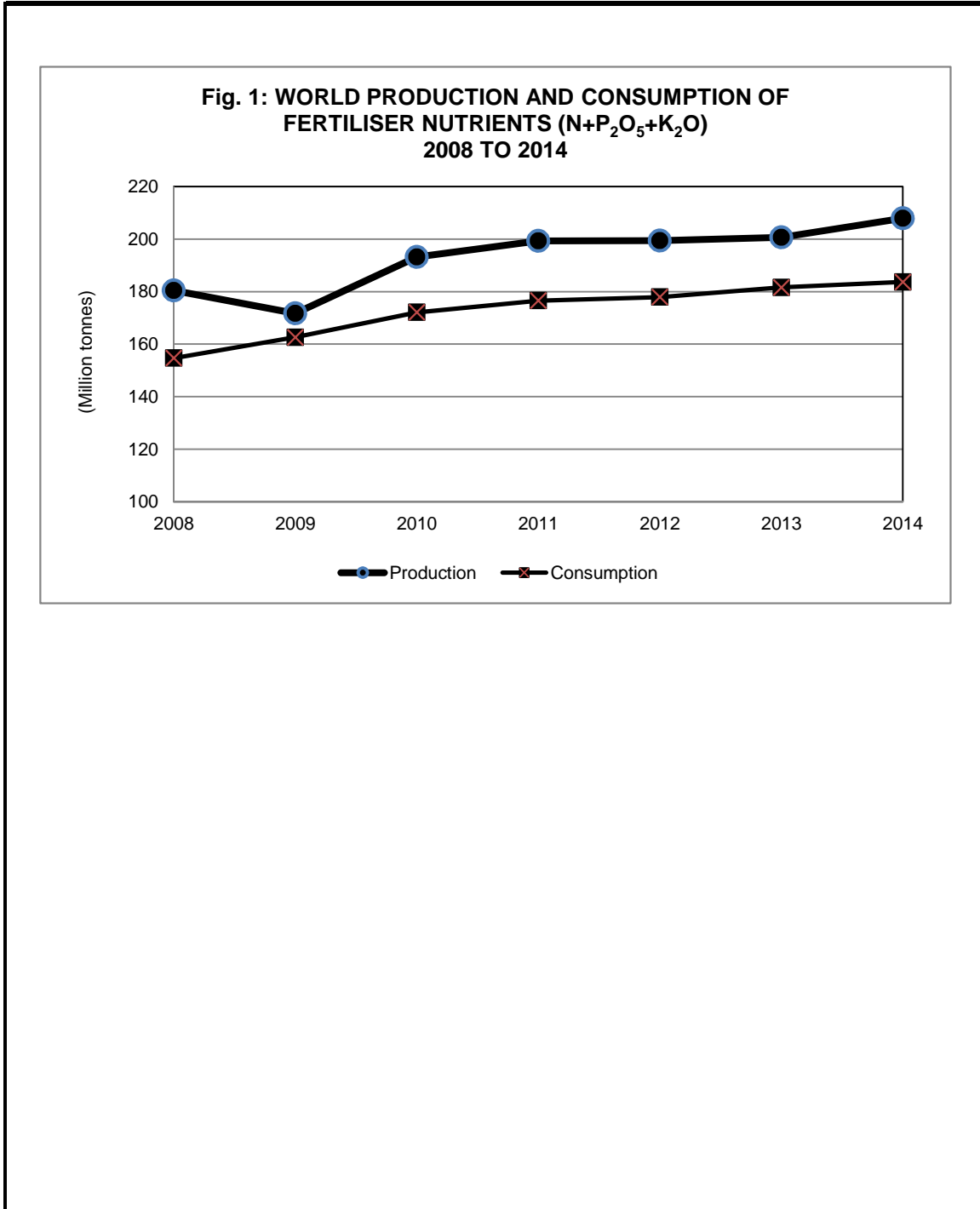
**WORLD FERTILISER AND  
AGRICULTURAL STATISTICS**

**PART III**

**SECTION 1  
FERTILISER**

**1.00 CAPACITY, PRODUCTION, CONSUMPTION, IMPORT AND EXPORT OF FERTILISERS**

<b>1.01 CAPACITY OF N, P<sub>2</sub>O<sub>5</sub> AND K<sub>2</sub>O IN VARIOUS REGIONS - 2014</b>			
('000 tonnes nutrient)			
Region	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O
<b>Africa</b>	<b>7,221</b>	<b>8,318</b>	<b>-</b>
<b>America</b>	<b>24,181</b>	<b>12,466</b>	<b>21,336</b>
North America	14,235	9,641	19,213
Latin America & the Caribbean	9,945	2,825	2,123
<b>Asia</b>	<b>104,871</b>	<b>27,805</b>	<b>10,034</b>
West Asia	14,440	4,244	3,960
South Asia	17,696	2,169	-
East Asia	72,734	21,392	6,074
<b>Europe</b>	<b>39,014</b>	<b>5,900</b>	<b>20,809</b>
West Europe	9,917	565	5,619
Central Europe	6,505	704	-
East Europe & Central Asia	22,593	4,631	15,190
<b>Oceania</b>	<b>1,833</b>	<b>600</b>	<b>-</b>
<b>World Total</b>	<b>177,121</b>	<b>55,089</b>	<b>52,179</b>
<p>Note:1. N Capacity - Capacity of Ammonia expressed as N.            2. P<sub>2</sub>O<sub>5</sub> Capacity - Capacity of Phosphoric acid expressed as P<sub>2</sub>O<sub>5</sub>.            Source: <i>World Fertilizer Trends and Outlook to 2019</i>, FAO, Rome.</p>			

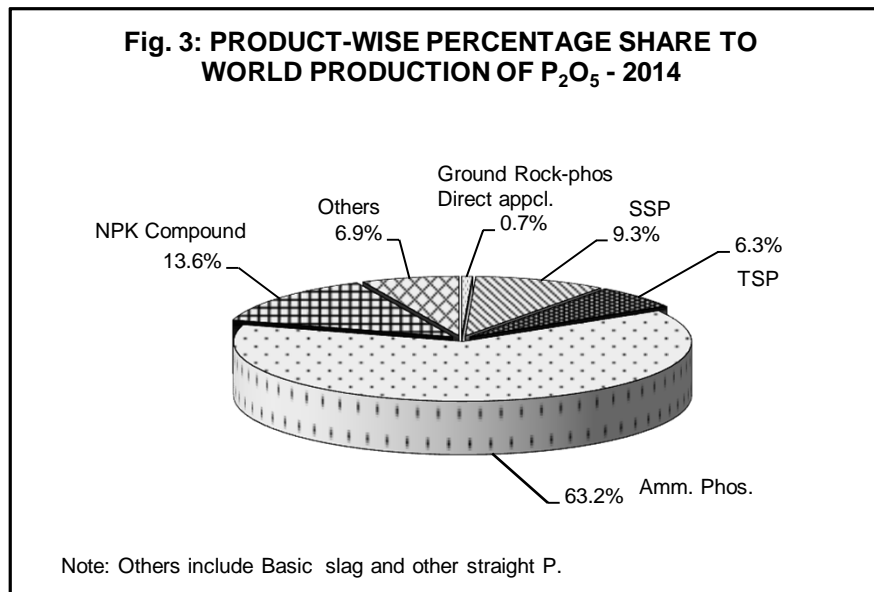
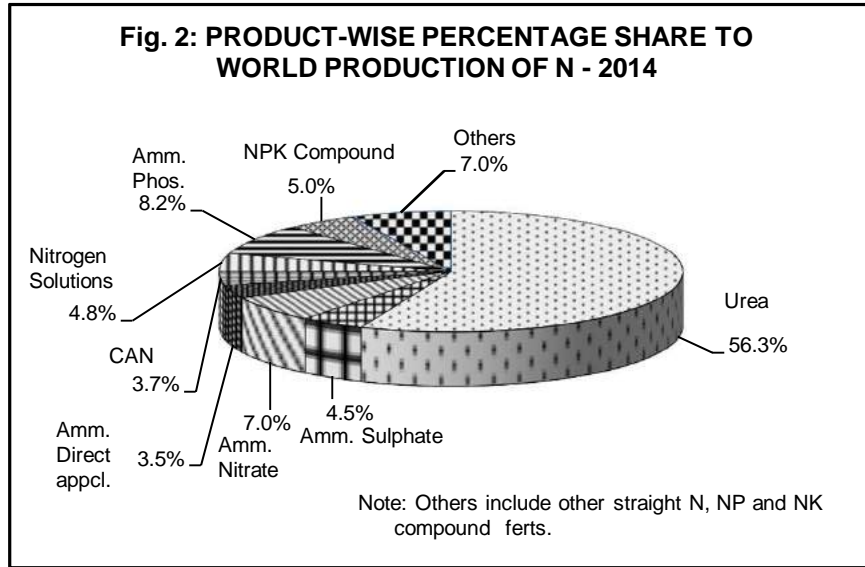


1.02 WORLD PRODUCTION AND CONSUMPTION OF FERTILISER NUTRIENTS										
2010 to 2014										
Fertiliser nutrient	Quantity ('000 tonnes)					% variation over previous year				
	2010	2011	2012	2013	2014	2010	2011	2012	2013	2014
<b>Production</b>										
Nitrogen (N)	104,102	105,983	107,965	109,341	113,310	7.1	1.8	1.9	1.3	3.6
Phosphate (P <sub>2</sub> O <sub>5</sub> )	49,822	53,237	52,553	52,321	53,300	14.5	6.9	-1.3	-0.4	1.9
Potash (K <sub>2</sub> O)	39,301	40,147	38,949	38,979	41,372	26.7	2.2	-3.0	0.1	6.1
<b>Total (N+P<sub>2</sub>O<sub>5</sub>+K<sub>2</sub>O)</b>	<b>193,225</b>	<b>199,367</b>	<b>199,468</b>	<b>200,641</b>	<b>207,982</b>	<b>12.5</b>	<b>3.2</b>	<b>0.1</b>	<b>0.6</b>	<b>3.7</b>
Source: www.fao.org										
Fertiliser nutrient	Quantity ('000 tonnes)					% variation over previous year				
	2010	2011	2012	2013	2014	2010	2011	2012	2013	2014
<b>Consumption</b>										
Nitrogen (N)	104,080	106,781	107,423	109,185	109,707	2.5	2.6	0.6	1.6	0.5
Phosphate (P <sub>2</sub> O <sub>5</sub> )	40,569	41,546	41,515	41,268	41,364	8.2	2.4	-0.1	-0.6	0.2
Potash (K <sub>2</sub> O)	27,483	28,243	28,980	31,128	32,611	16.4	2.8	2.6	7.4	4.8
<b>Total (N+P<sub>2</sub>O<sub>5</sub>+K<sub>2</sub>O)</b>	<b>172,131</b>	<b>176,570</b>	<b>177,918</b>	<b>181,581</b>	<b>183,682</b>	<b>5.8</b>	<b>2.6</b>	<b>0.8</b>	<b>2.1</b>	<b>1.2</b>
Source: www.fertilizer.org										

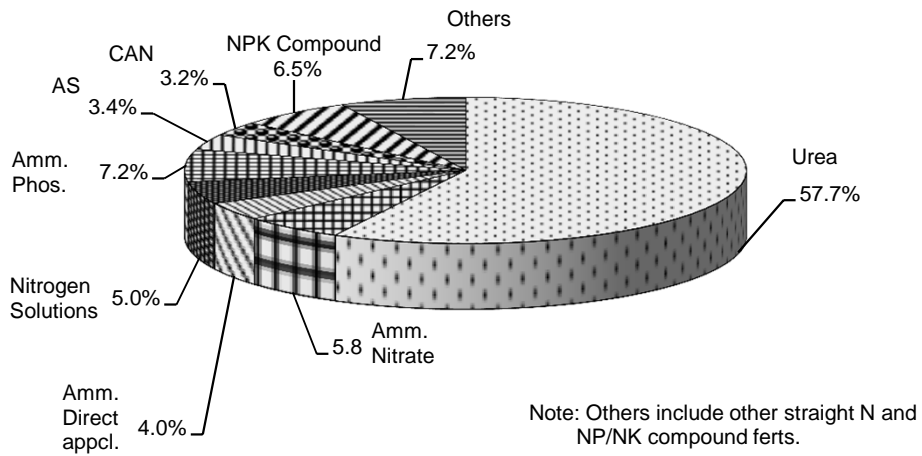
III-8

1.03 WORLD SUPPLY / DEMAND AND POTENTIAL BALANCE OF N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O - 2015 to 2019					
('000 tonnes)					
Fertiliser	2015	2016	2017	2018	2019
< ----- (Forecasts) ----- >					
<b>I. Nitrogen</b>					
i. Supply (ammonia as N)	153,766	159,490	164,724	168,056	171,433
ii. Demand (Total)	143,711	147,191	150,288	153,259	156,056
- Demand for fertiliser	112,539	113,955	115,498	116,905	118,222
- Non-fertiliser demand	31,173	33,236	34,788	36,355	37,833
iii. Potential balance(i-ii)	10,055	12,299	14,437	14,797	15,377
<b>II. Phosphate</b>					
i. Supply (H <sub>3</sub> PO <sub>4</sub> ) (as P <sub>2</sub> O <sub>5</sub> )	46,009	47,297	48,484	50,052	51,148
ii. Total P <sub>2</sub> O <sub>5</sub> demand <sup>1</sup>	48,680	49,631	50,823	51,949	52,942
a. P <sub>2</sub> O <sub>5</sub> demand for fertiliser	42,113	42,865	43,785	44,652	45,527
b. P <sub>2</sub> O <sub>5</sub> demand (H <sub>3</sub> PO <sub>4</sub> based) <sup>2</sup>	44,345	45,222	46,309	47,339	48,234
iii. Potential balance (H <sub>3</sub> PO <sub>4</sub> (as P <sub>2</sub> O <sub>5</sub> ) (i- ii b)	1,664	2,075	2,175	2,713	2,913
<b>III. Potash</b>					
i. Supply	44,028	45,428	47,512	49,917	51,835
ii. Demand (Total)	35,919	36,863	37,810	38,752	39,678
- Demand for fertiliser	31,973	32,802	33,629	34,452	35,257
- Non-fertiliser demand	3,946	4,061	4,181	4,300	4,421
iii. Potential balance(i-ii)	8,109	8,565	9,702	11,165	12,157
Note: H <sub>3</sub> PO <sub>4</sub> = Phosphoric acid.					
<sup>1</sup> = Total P <sub>2</sub> O <sub>5</sub> demand (H <sub>3</sub> PO <sub>4</sub> based fertiliser + industrial, and non H <sub>3</sub> PO <sub>4</sub> fertiliser);					
<sup>2</sup> = Total H <sub>3</sub> PO <sub>4</sub> demand (fertiliser + industrial) expressed as phosphate.					
Source: <i>World fertilizer trends and outlook to 2019</i> , FAO, Rome.					

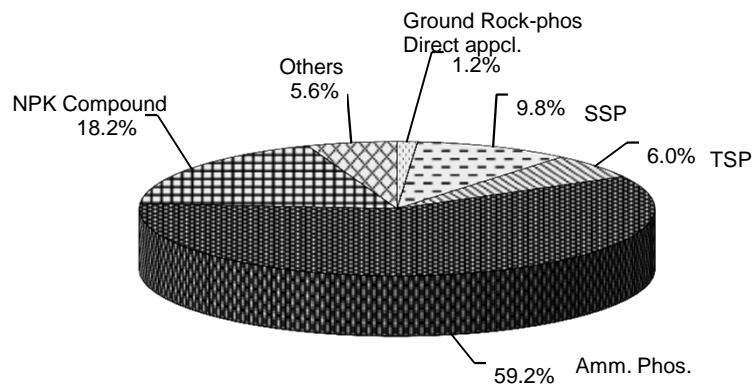




**Fig. 4: PRODUCT-WISE PERCENTAGE SHARE TO WORLD CONSUMPTION OF N - 2014**



**Fig. 5: PRODUCT-WISE PERCENTAGE SHARE TO WORLD CONSUMPTION OF P<sub>2</sub>O<sub>5</sub> - 2014**



Note: Others include Basic slag, other straight P and NP compound ferts.

1.04 RANKING OF MAJOR PRODUCING COUNTRIES—NITROGEN					
1991, 2000 to 2014					
('000 tonnes N)					
Year	World production	Rank / Country			
		I	II	III	IV
1991	<b>70,847.6</b>	China 15,029.0	USSR 12,102.0	USA 11,304.1	India 7,301.5 (10.3)
2000	<b>86,623.5</b>	China 22,175.0	India 10,942.8 (12.6)	USA 8,351.6	Russian Fedn. 5,451.9
2001	<b>87,264.5</b>	China 22,427.0	India 10,689.5 (12.2)	USA 10,201.8	Russian Fedn. 5,502.8
2002	<b>85,347.8</b>	China 23,600.0	India 10,507.6 (12.3)	USA 9,386.5	Russian Fedn. 5,968.0
2003	<b>87,459.3</b>	China 25,700.0	India 10,556.8 (12.1)	USA 8,583.7	Russian Fedn. 5,995.0
2004	<b>94,823.0</b>	China 27,600.0	India 11,304.9 (11.9)	USA 8,969.9	Russian Fedn. 6,591.0
2005	<b>96,201.8</b>	China 26,600.0	India 11,332.9 (11.8)	USA 8,317.5	Russian Fedn. 6,725.0
2006	<b>95,475.7</b>	China 27,300.0	India 11,524.9 (12.1)	USA 8,168.6	Russian Fedn. 6,830.0
2007	<b>100,188.5</b>	China 30,800.0	India 10,902.8 (10.9)	USA 8,516.3	Russian Fedn. 7,203.0
2008	<b>99,189.4</b>	China 30,800.0	India 10,900.2 (11.0)	USA 8,063.1	Russian Fedn. 6,890.0
2009	<b>97,195.5</b>	China 30,500.0	India 11,924.0 (12.3)	USA 7,632.8	Russian Fedn. 5,463.7
2010	<b>104,101.9</b>	China 33,300.0	India 12,178.6 (11.7)	USA 8,233.9	Russian Fedn. 7,583.7
2011	<b>105,982.8</b>	China 33,700.0	India 12,288.3 (11.6)	USA 8,590.3	Russian Fedn. 7,776.5
2012	<b>107,965.1</b>	China 35,100.0	India 12,237.3 (11.3)	USA 8,391.9	Russian Fedn. 7,706.2
2013	<b>109,341.0</b>	China 36,000.0	India 12,408.6 (11.3)	USA 8,897.9	Russian Fedn. 7,980.1
2014	<b>113,310.4</b>	China 39,400.0	India 12,433.7 (11.0)	USA 9,132.7	Russian Fedn. 7,876.3
( ) = India's share in the world production of N (percentage).					

III-12

1.05 RANKING OF MAJOR PRODUCING COUNTRIES — PHOSPHATE*					
1991, 2000 to 2014					
('000 tonnes P <sub>2</sub> O <sub>5</sub> )					
Year	World production	Rank / Country			
		I	II	III	IV
1991	<b>38,775.2</b>	USA 8,350.0	USSR 7,686.0	China 4,555.0	India 2,588.8 (6.7)
2000	<b>32,200.9</b>	USA 7,337.0	China 6,759.0	India 3,750.2 (11.6)	Russian Fedn. 2,319.8
2001	<b>33,986.1</b>	USA 7,730.7	China 7,393.0	India 3,854.3 (11.3)	Russian Fedn. 2,369.2
2002	<b>36,846.7</b>	USA 10,400.0	China 8,417.4	India 3,921.3 (10.6)	Russian Fedn. 2,513.0
2003	<b>39,077.8</b>	USA 10,500.0	China 9,965.5	India 3,633.4 (9.3)	Russian Fedn. 2,593.0
2004	<b>41,197.5</b>	China 10,800.0	USA 10,700.0	India 4,047.8 (9.8)	Russian Fedn. 2,802.0
2005	<b>42,140.5</b>	USA 11,400.0	China 10,900.0	India 4,216.1 (10.0)	Russian Fedn. 2,766.0
2006	<b>41,473.6</b>	China 12,000.0	USA 10,700.0	India 4,450.2 (10.7)	Russian Fedn. 2,766.0
2007	<b>43,988.0</b>	China 14,100.0	USA 11,000.0	India 3,731.8 (8.5)	Russian Fedn. 2,807.0
2008	<b>46,153.4</b>	China 14,500.0	USA 14,200.0	India 3,437.3 (7.4)	Russian Fedn. 2,571.0
2009	<b>43,499.7</b>	China 14,800.0	USA 12,900.0	India 4,390.3 (10.1)	Brazil 1,796.8
2010	<b>49,821.8</b>	China 15,600.0	USA 13,200.0	India 4,385.7 (8.8)	Russian Fedn. 2,576.7
2011	<b>53,237.3</b>	China 18,600.0	USA 13,400.0	India 4,370.3 (8.2)	Russian Fedn. 2,343.4
2012	<b>52,553.3</b>	China 17,800.0	USA 13,700.0	India 3,827.0 (7.3)	Morocco 2,398.7
2013	<b>52,320.7</b>	China 17,700.0	USA 13,700.0	India 3,986.4 (7.6)	Brazil 2,125.7
2014	<b>53,299.9</b>	China 19,600.0	USA 12,300.0	India 4,136.1 (7.8)	Morocco 2,257.9

( ) = India's share in the world production of P<sub>2</sub>O<sub>5</sub> (percentage).  
 \* = Includes ground rockphosphate for direct application.

1.06 RANKING OF MAJOR CONSUMING COUNTRIES—NITROGEN					
1991, 2000 to 2014					
('000 tonnes N)					
Year	World consumption	Rank / Country			
		I	II	III	IV
1991	<b>75,417.0</b>	China 19,629.0	USA 10,385.1	India 8,046.3 (10.7)	France 2,569.0
2000	<b>82,069.7</b>	China 22,720.0	India 10,920.2 (13.3)	USA 10,466.9	France 2,316.5
2001	<b>82,788.7</b>	China 22,694.0	India 11,310.2 (13.7)	USA 10,894.7	France 2,392.3
2002	<b>86,059.3</b>	China 26,006.0	USA 10,969.8	India 10,474.1 (12.2)	Pakistan 2,349.2
2003	<b>87,506.5</b>	China 25,078.0	USA 11,818.7	India 11,077.0 (12.7)	Pakistan 2,527.0
2004	<b>90,409.9</b>	China 26,964.0	India 11,713.9 (13.0)	USA 11,190.8	Pakistan 2,785.0
2005	<b>92,927.1</b>	China 29,761.3	India 12,723.3 (13.7)	USA 10,926.0	Pakistan 2,926.6
2006	<b>96,920.4</b>	China 31,810.0	India 13,772.9 (14.2)	USA 11,966.1	Pakistan 2,649.7
2007	<b>100,124.3</b>	China 32,460.9	India 14,419.1 (14.4)	USA 11,395.5	Pakistan 2,925.3
2008	<b>97,619.0</b>	China 32,522.1	India 15,090.5 (15.5)	USA 10,397.7	Pakistan 3,035.0
2009	<b>101,552.8</b>	China 32,699.9	India 15,580.0 (15.3)	USA 11,116.9	Pakistan 3,476.3
2010	<b>104,079.6</b>	China 32,212.9	India 16,558.2 (15.9)	USA 11,737.0	Pakistan 3,142.7
2011	<b>106,781.2</b>	China 32,806.2	India 17,300.3 (16.2)	USA 12,231.4	Brazil 3,366.0
2012	<b>107,422.8</b>	China 33,045.9	India 16,820.9 (15.7)	USA 12,187.9	Brazil 3,435.0
2013	<b>109,185.2</b>	China 33,000.0	India 16,750.1 (15.3)	USA 12,287.0	Brazil 3,705.5
2014	<b>109,707.4</b>	China 32,868.6	India 16,949.6 (15.4)	USA 11,821.0	Brazil 3,872.0

( ) = India's share in the world consumption of N (percentage).

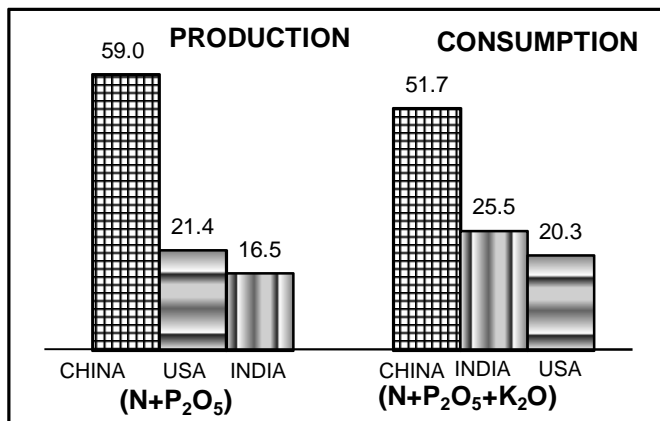
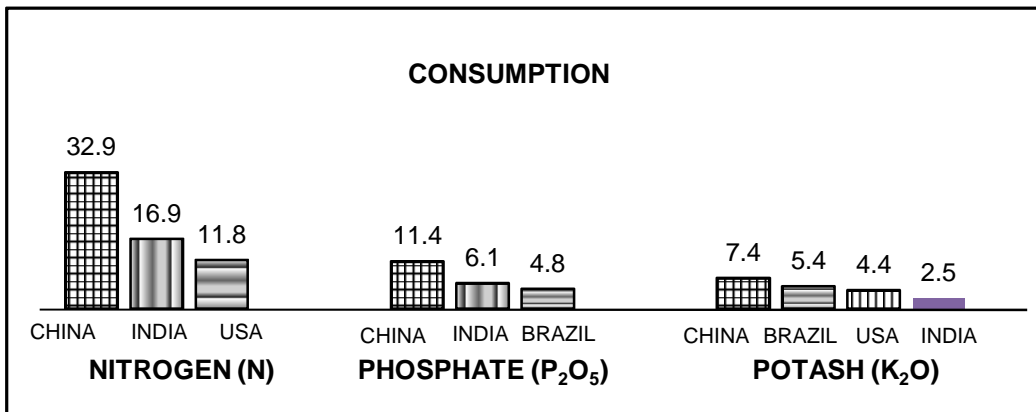
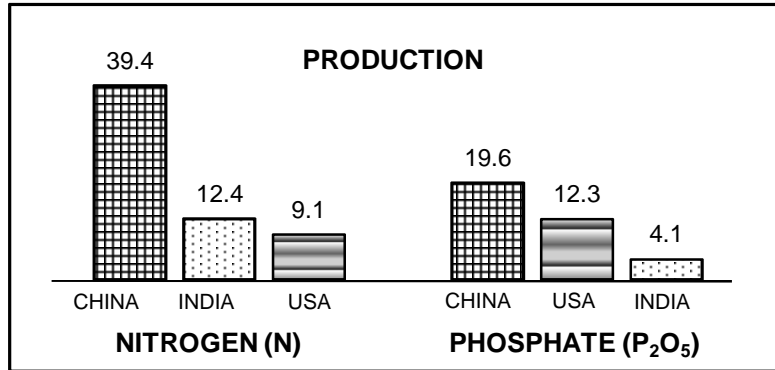
1.07 RANKING OF MAJOR CONSUMING COUNTRIES—PHOSPHATE					
1991, 2000 to 2014					
Year	World consumption	Rank / Country			
		I	II	III	IV
1991	<b>35,158.1</b>	China 7,198.0	USA 3,826.4	India 3,321.2 (9.4)	Brazil 1,279.6
2000	<b>32,812.3</b>	China 8,664.0	India 4,214.6 (12.8)	USA 3,862.1	Brazil 2,544.2
2001	<b>33,344.2</b>	China 8,926.0	India 4,382.4 (13.1)	USA 4,200.3	Brazil 2,508.8
2002	<b>33,733.5</b>	China 9,906.0	India 4,018.8 (11.9)	USA 3,892.3	Brazil 2,681.0
2003	<b>34,922.2</b>	China 9,827.0	USA 4,376.6	India 4,124.3 (11.8)	Brazil 3,410.0
2004	<b>37,475.3</b>	China 10,657.0	India 4,623.8 (12.3)	USA 4,207.1	Brazil 3,875.5
2005	<b>37,254.7</b>	China 11,407.0	India 5,203.7 (14.0)	USA 4,063.3	Brazil 2,889.0
2006	<b>38,791.7</b>	China 11,958.0	India 5,543.3 (14.3)	USA 4,147.9	Brazil 3,149.0
2007	<b>38,534.1</b>	China 11,569.8	India 5,514.7 (14.3)	USA 3,840.6	Brazil 3,659.0
2008	<b>33,917.8</b>	China 10,500.0	India 6,506.2 (19.2)	Brazil 3,196.0	USA 2,845.0
2009	<b>37,477.0</b>	China 11,000.0	India 7,274.0 (19.4)	USA 3,718.8	Brazil 3,342.0
2010	<b>40,568.6</b>	China 12,100.0	India 8,049.7 (19.8)	USA 3,890.2	Brazil 3,384.0
2011	<b>41,545.7</b>	China 12,300.0	India 7,914.3 (19.0)	USA 3,945.6	Brazil 3,859.5
2012	<b>41,515.0</b>	China 12,400.0	India 6,653.4 (16.0)	Brazil 4,325.4	USA 4,288.6
2013	<b>41,267.8</b>	China 11,480.0	India 5,633.5 (13.7)	Brazil 4,641.0	USA 4,337.0
2014	<b>41,363.9</b>	China 11,400.0	India 6,098.9 (14.7)	Brazil 4,752.1	USA 4,061.0

( ) = India's share in the world consumption of P<sub>2</sub>O<sub>5</sub> (percentage).

1.08 RANKING OF MAJOR CONSUMING COUNTRIES—POTASH						
1991, 2000 to 2014						
('000 tonnes K <sub>2</sub> O)						
Year	World consumption	Rank / Country				
		I	II	III	IV	V
1991	<b>23,596.0</b>	USA 4,573.8	China 2,298.0	France 1,741.0	India 1,360.6 (5.8)	Brazil 1,276.4
2000	<b>22,095.1</b>	USA 4,468.9	China 3,364.0	Brazil 2,759.9	India 1,567.5 (7.1)	France 1,033.5
2001	<b>22,855.1</b>	USA 4,519.2	China 3,936.0	Brazil 2,851.4	India 1,667.1 (7.3)	France 1,014.5
2002	<b>23,397.5</b>	USA 4,491.0	China 4,342.0	Brazil 3,014.5	India 1,601.2 (6.8)	France 960.1
2003	<b>26,148.3</b>	USA 5,007.8	China 4,663.0	Brazil 4,290.6	India 1,597.9 (6.1)	France 932.0
2004	<b>27,704.6</b>	China 5,456.0	USA 4,692.8	Brazil 4,304.1	India 2,060.7 (7.4)	Malaysia 943.0
2005	<b>26,067.8</b>	China 5,500.0	USA 4,284.0	Brazil 3,526.3	India 2,413.3 (9.3)	Malaysia 906.8
2006	<b>27,210.2</b>	China 5,600.0	USA 4,656.9	Brazil 3,460.0	India 2,334.8 (8.6)	Malaysia 1,005.1
2007	<b>29,072.4</b>	China 6,480.0	USA 4,219.0	Brazil 4,175.0	India 2,636.3 (9.1)	Malaysia 1,054.6
2008	<b>23,152.2</b>	China 4,685.0	Brazil 3,689.0	India 3,312.6 (14.3)	USA 2,803.0	Indonesia 953.0
2009	<b>23,600.8</b>	China 4,300.0	USA 4,044.3	India 3,632.4 (15.4)	Brazil 3,149.0	Indonesia 801.0
2010	<b>27,482.7</b>	China 5,200.0	USA 4,165.1	Brazil 3,894.0	India 3,514.3 (12.8)	Indonesia 1,250.0
2011	<b>28,242.6</b>	China 5,700.0	Brazil 4,431.0	USA 4,185.8	India 2,575.5 (9.1)	Indonesia 1,401.0
2012	<b>28,980.2</b>	China 6,000.0	Brazil 4,844.0	USA 4,384.8	India 2,061.8 (7.1)	Indonesia 1,490.0
2013	<b>31,127.7</b>	China 6,800.0	Brazil 5,094.1	USA 4,806.0	India 2,098.9 (6.7)	Indonesia 1,620.0
2014	<b>32,611.1</b>	China 7,385.0	Brazil 5,394.9	USA 4,418.0	India 2,532.9 (7.8)	Indonesia 1,764.5

( ) = India's share in the world consumption of K<sub>2</sub>O (percentage).

**Fig. 6 RANK OF INDIA IN WORLD PRODUCTION & CONSUMPTION OF FERTILISER NUTRIENTS 2014 (Million tonnes)**



**INDIA'S RANK IN WORLD**

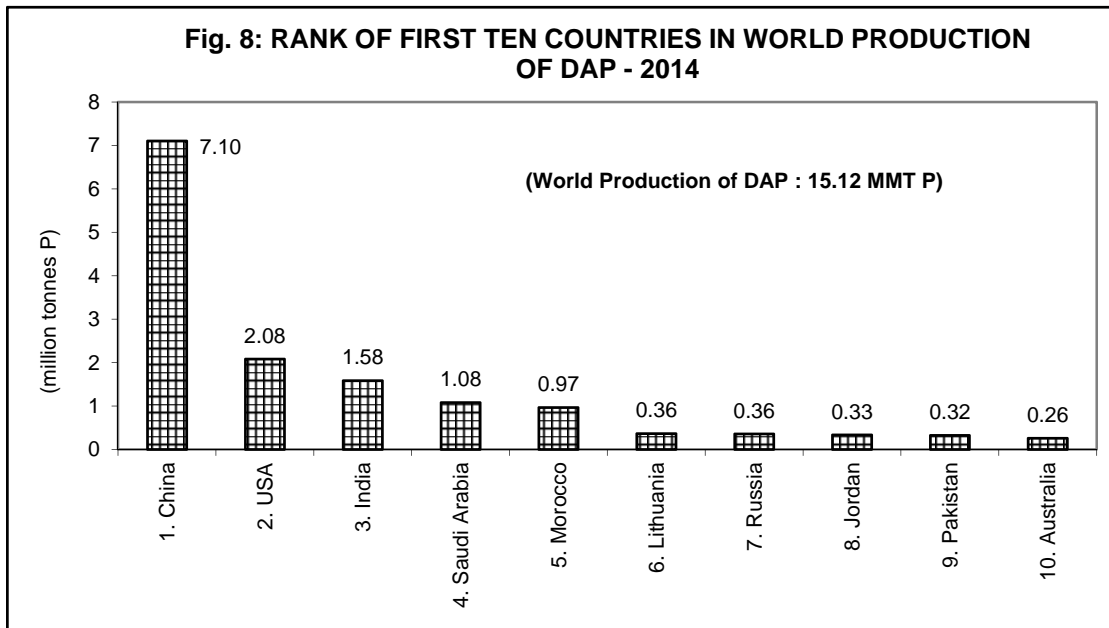
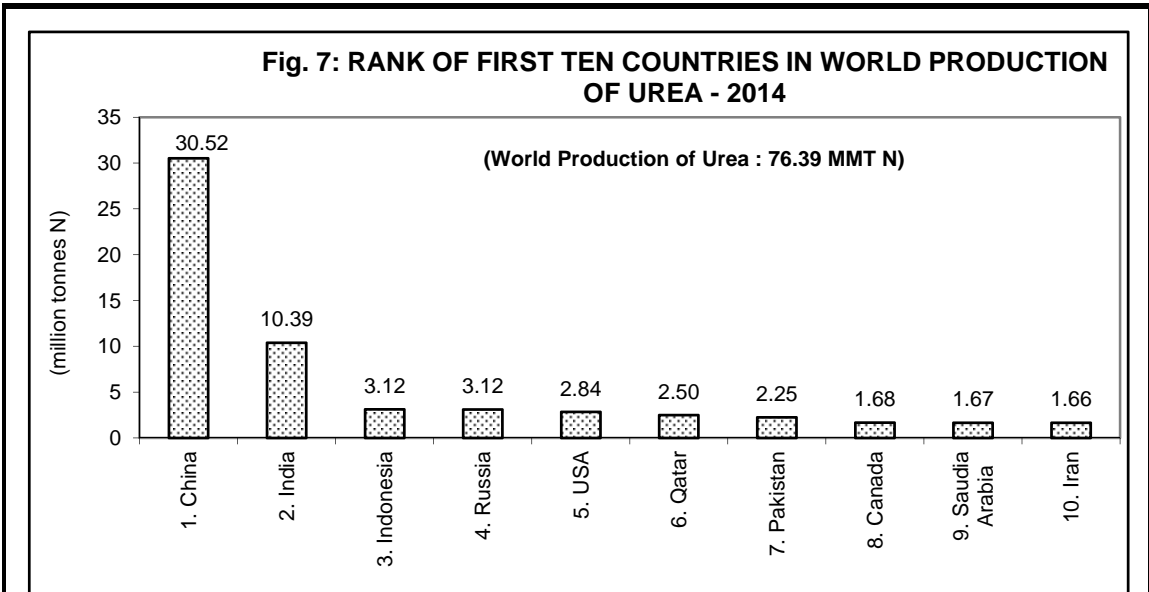
NUTRIENT	PRODU- CTION	CONSU- PTION
N	II	II
P <sub>2</sub> O <sub>5</sub>	III	II
K <sub>2</sub> O	*	IV
TOTAL	III	II

\* = India is solely dependent on imports of K<sub>2</sub>O.

Note: P<sub>2</sub>O<sub>5</sub> includes ground rockphosphate.



1.09 NUTRIENT-WISE FERTILISER CONSUMPTION IN SELECTED COUNTRIES								
2013 and 2014								
('000 tonnes)								
Continent/Country	2013				2014			
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total
<b>Africa</b>								
Egypt	1,103.9	189.4	62.4	1,355.7	1,122.3	196.9	63.0	1,382.2
Morocco	224.0	219.0	35.0	478.0	220.0	228.0	20.0	468.0
South Africa	416.5	186.0	122.0	724.5	437.0	195.0	127.0	759.0
<b>America</b>								
<b>North America</b>								
Canada	2,457.4	887.0	379.3	3,723.7	2,551.0	937.0	393.0	3,881.0
USA	12,287.0	4,337.0	4,806.0	21,430.0	11,821.0	4,061.0	4,418.0	20,300.0
<b>Latin America and the Caribbean</b>								
Brazil	3,705.5	4,641.0	5,094.1	13,440.6	3,872.0	4,752.1	5,394.9	14,019.0
Chile	193.9	129.5	101.0	424.4	193.3	129.0	100.6	422.9
Mexico **	1,290.2	306.9	212.5	1,809.6	1,361.6	383.2	176.7	1,921.5
<b>Asia</b>								
Bangladesh **	1,111.7	500.5	342.6	1,954.8	1,230.3	564.9	346.2	2,141.3
China, Main	33,000.0	11,480.0	6,800.0	51,280.0	32,868.6	11,400.0	7,385.0	51,653.6
India*	16,750.1	5,633.5	2,098.9	24,482.4	16,949.6	6,098.9	2,532.9	25,581.4
Indonesia	2,820.0	962.7	1,620.0	5,402.7	2,981.2	973.7	1,764.5	5,719.4
Japan	368.0	350.0	319.8	1,037.8	310.0	322.7	277.9	910.6
Rep. of Korea	270.0	90.0	112.0	472.0	267.0	89.0	111.0	467.0
Malaysia	600.0	320.0	1,290.0	2,210.0	634.2	347.9	1,397.2	2,379.3
Nepal **	78.3	34.4	2.4	115.1	96.7	41.9	3.7	142.4
Pakistan	3,239.6	875.5	19.9	4,135.0	3,139.3	936.1	29.5	4,104.9
Sri Lanka	179.9	68.2	79.4	327.5	185.2	66.9	81.0	333.1
Thailand	1,454.1	512.5	579.2	2,545.8	1,293.2	430.4	579.0	2,302.6
Turkey	1,584.4	622.8	105.7	2,312.9	1,492.8	570.2	117.2	2,180.2
Vietnam **	1,606.5	598.8	623.2	2,828.5	1,393.0	592.3	561.5	2,546.8
<b>Europe</b>								
Belarus **	534.8	207.9	682.5	1,425.2	456.1	153.3	609.3	1,218.7
Denmark	187.0	14.0	53.0	254.0	192.0	14.0	53.0	259.0
France	2,178.0	459.0	448.0	3,085.0	2,162.8	416.5	456.2	3,035.5
Germany	1,675.0	285.0	457.1	2,417.1	1,822.9	301.3	459.9	2,584.1
Netherlands	194.6	13.8	23.0	231.4	181.0	14.0	24.0	219.0
Poland	1,098.0	341.0	496.0	1,935.0	1,004.0	304.0	485.0	1,793.0
Russian Fedn. **	1,166.0	438.0	256.5	1,860.4	1,194.5	466.0	273.8	1,934.3
Spain	1,037.0	427.4	355.5	1,819.9	1,016.0	403.0	365.0	1,784.0
UK	1,059.0	201.0	283.0	1,543.0	1,047.0	200.0	272.0	1,519.0
Ukraine **	1,040.9	235.8	212.8	1,489.5	1,019.7	240.6	208.8	1,469.0
<b>Oceania</b>								
Australia	1,315.1	816.0	215.0	2,346.1	1,407.4	908.6	233.0	2,549.0
New Zealand	405.0	357.0	138.0	900.0	429.0	355.0	134.0	918.0
<b>World</b>	<b>109,185.2</b>	<b>41,267.8</b>	<b>31,127.7</b>	<b>181,580.7</b>	<b>109,707.4</b>	<b>41,363.9</b>	<b>32,611.1</b>	<b>183,682.4</b>
* = Figures of India relate to 2013-14 and 2014-15.								
** = Source: www.fao.org								
Source: www.fertilizer.org								



MMT = Million Metric Tonnes

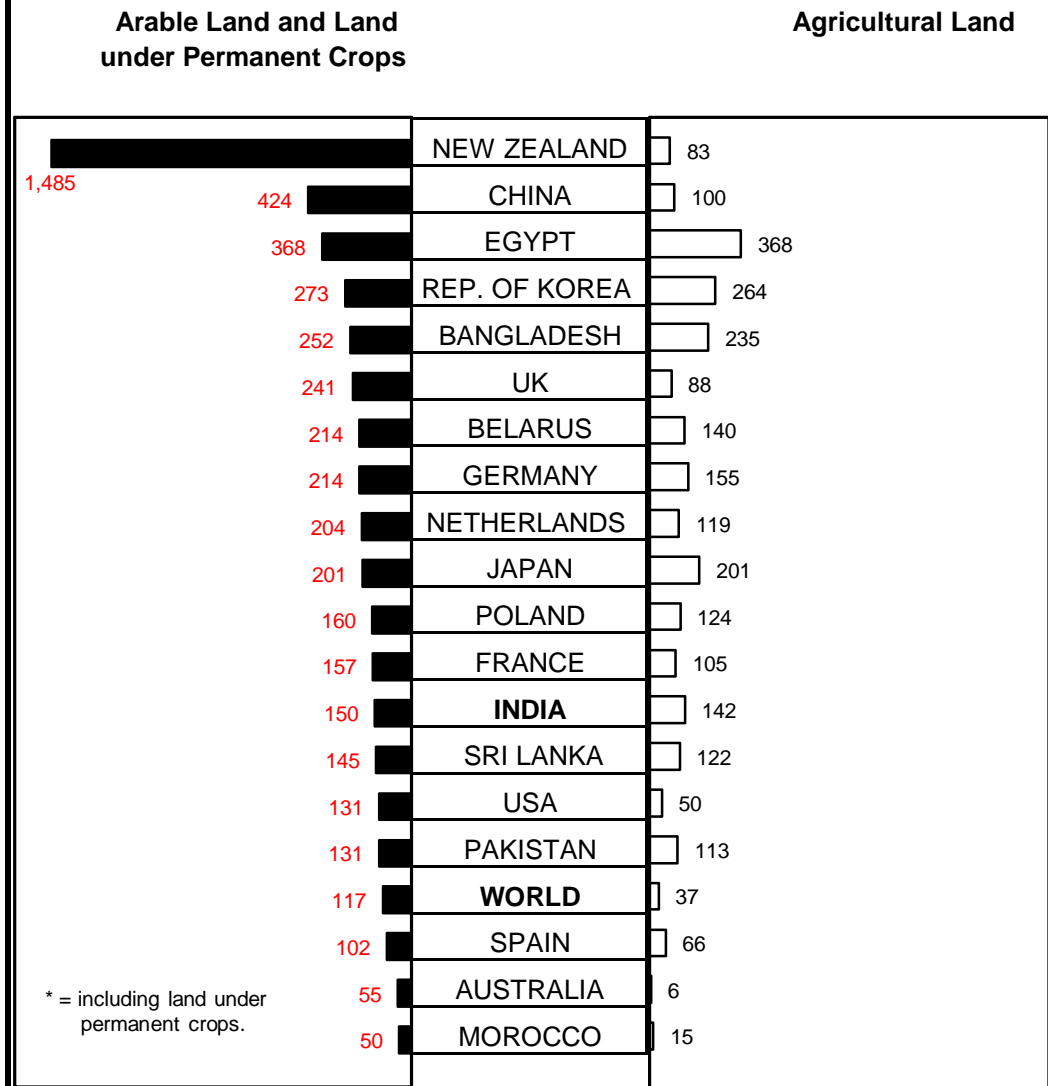
1.10 FERTILISER CONSUMPTION PER HECTARE OF AGRICULTURAL LAND * IN SELECTED COUNTRIES								
2013 and 2014								
Continent/Country	2013				2014			
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total
<b>Africa</b>								
Egypt	293.5	50.4	16.6	360.5	298.4	52.4	16.8	367.5
Morocco	7.4	7.2	1.2	15.7	7.2	7.5	0.7	15.4
South Africa	4.3	1.9	1.3	7.5	4.5	2.0	1.3	7.8
<b>America</b>								
<b>North America</b>								
Canada	37.7	13.6	5.8	57.1	39.1	14.4	6.0	59.5
USA	30.3	10.7	11.9	52.9	29.2	10.0	10.9	50.1
<b>Latin America and the Caribbean</b>								
Brazil	13.3	16.6	18.3	48.2	13.9	17.0	19.3	50.3
Chile	12.3	8.2	6.4	26.9	12.2	8.2	6.4	26.8
Mexico	12.1	2.9	2.0	17.0	12.8	3.6	1.7	18.0
<b>Asia</b>								
Bangladesh	122.1	54.9	37.6	214.6	135.1	62.0	38.0	235.1
China, Main	64.1	22.3	13.2	99.7	63.9	22.2	14.4	100.4
India	92.9 (86.2)	31.2 (29.0)	11.6 (10.8)	135.8 (125.9)	94.0 (87.2)	33.8 (31.4)	14.0 (13.0)	141.9 (131.6)
Indonesia	49.5	16.9	28.4	94.8	52.3	17.1	31.0	100.3
Japan	81.1	77.1	70.5	228.7	68.3	71.1	61.3	200.7
Rep. of Korea	152.7	50.9	63.3	266.9	151.0	50.3	62.8	264.0
Malaysia	76.5	40.8	164.6	281.9	80.9	44.4	178.2	303.5
Nepal	19.0	8.3	0.6	27.9	23.5	10.2	0.9	34.6
Pakistan	89.3	24.1	0.5	114.0	86.5	25.8	0.8	113.1
Sri Lanka	65.7	24.9	29.0	119.5	67.6	24.4	29.6	121.6
Thailand	65.8	23.2	26.2	115.1	58.5	19.5	26.2	104.1
Turkey	41.2	16.2	2.8	60.2	38.9	14.8	3.1	56.7
Vietnam	147.7	55.1	57.3	260.1	128.1	54.5	51.6	234.2
<b>Europe</b>								
Belarus	61.3	23.8	78.2	163.3	52.3	17.6	69.8	139.7
Denmark	71.7	5.4	20.3	97.4	73.6	5.4	20.3	99.3
France	75.7	16.0	15.6	107.2	75.2	14.5	15.9	105.5
Germany	100.3	17.1	27.4	144.8	109.2	18.0	27.5	154.8
Netherlands	105.3	7.5	12.4	125.2	98.0	7.6	13.0	118.5
Poland	76.2	23.7	34.4	134.3	69.7	21.1	33.7	124.4
Russian Fedn.	5.4	2.0	1.2	8.6	5.5	2.1	1.3	8.9
Spain	38.5	15.9	13.2	67.5	37.7	15.0	13.5	66.2
UK	61.4	11.7	16.4	89.4	60.7	11.6	15.8	88.1
Ukraine	25.2	5.7	5.2	36.1	24.7	5.8	5.1	35.6
<b>Oceania</b>								
Australia	3.3	2.1	0.5	5.9	3.5	2.3	0.6	6.4
New Zealand	36.5	32.1	12.4	81.0	38.6	32.0	12.1	82.7
<b>World</b>	<b>22.2</b>	<b>8.4</b>	<b>6.3</b>	<b>36.8</b>	<b>22.3</b>	<b>8.4</b>	<b>6.6</b>	<b>37.3</b>

\* = Data pertain to Agricultural Land is for the year 2013.  
 ( ) = Fertiliser consumption per hectare of gross cropped area. Data for gross cropped area pertain to 2012-13.

1.11 FERTILISER CONSUMPTION PER HECTARE OF ARABLE LAND AND LAND UNDER PERMANENT CROPS* IN SELECTED COUNTRIES - 2013 and 2014								
Continent/Country	2013				2014			
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total
<b>Africa</b>								
Egypt	293.5	50.4	16.6	360.5	298.4	52.4	16.8	367.5
Morocco	23.8	23.3	3.7	50.8	23.4	24.3	2.1	49.8
South Africa	32.3	14.4	9.4	56.1	33.8	15.1	9.8	58.8
<b>America</b>								
<b>North America</b>								
Canada	48.5	17.5	7.5	73.5	50.4	18.5	7.8	76.6
USA	79.6	28.1	31.1	138.8	76.5	26.3	28.6	131.4
<b>Latin America and the Caribbean</b>								
Brazil	44.7	56.0	61.5	162.3	46.8	57.4	65.1	169.3
Chile	109.8	73.3	57.2	240.3	109.5	73.0	57.0	239.5
Mexico	50.3	12.0	8.3	70.5	53.0	14.9	6.9	74.9
<b>Asia</b>								
Bangladesh	130.7	58.8	40.3	229.8	144.6	66.4	40.7	251.7
China, Main	271.1	94.3	55.9	421.3	270.0	93.7	60.7	424.4
India	98.5 (86.2)	33.1 (29.0)	12.3 (10.8)	144.0 (125.9)	99.7 (87.2)	35.9 (31.4)	14.9 (13.0)	150.5 (131.6)
Indonesia	61.3	20.9	35.2	117.5	64.8	21.2	38.4	124.3
Japan	81.1	77.1	70.5	228.7	68.3	71.1	61.3	200.7
Rep. of Korea	157.8	52.6	65.5	275.9	156.0	52.0	64.9	272.9
Malaysia	79.4	42.4	170.8	292.6	84.0	46.1	185.0	315.0
Nepal	33.7	14.8	1.0	49.5	41.6	18.0	1.6	61.2
Pakistan	103.6	28.0	0.6	132.2	100.4	29.9	0.9	131.2
Sri Lanka	78.2	29.7	34.5	142.4	80.5	29.1	35.2	144.8
Thailand	68.2	24.0	27.2	119.5	60.7	20.2	27.2	108.1
Turkey	66.6	26.2	4.4	97.2	62.7	24.0	4.9	91.6
Vietnam	157.0	58.5	60.9	276.4	136.1	57.9	54.9	248.9
<b>Europe</b>								
Belarus	93.9	36.5	119.9	250.3	80.1	26.9	107.0	214.1
Denmark	77.5	5.8	22.0	105.2	79.5	5.8	22.0	107.3
France	112.8	23.8	23.2	159.8	112.0	21.6	23.6	157.3
Germany	138.7	23.6	37.9	200.2	151.0	25.0	38.1	214.0
Netherlands	181.1	12.8	21.4	215.4	168.5	13.0	22.3	203.8
Poland	98.0	30.4	44.3	172.7	89.6	27.1	43.3	160.0
Russian Fedn.	9.4	3.5	2.1	15.0	9.6	3.8	2.2	15.6
Spain	59.1	24.4	20.3	103.8	57.9	23.0	20.8	101.7
UK	167.8	31.9	44.8	244.5	165.9	31.7	43.1	240.7
Ukraine	31.1	7.1	6.4	44.6	30.5	7.2	6.2	44.0
<b>Oceania</b>								
Australia	28.2	17.5	4.6	50.3	30.2	19.5	5.0	54.7
New Zealand	655.3	577.7	223.3	1,456.3	694.2	574.4	216.8	1,485.4
<b>World</b>	<b>69.3</b>	<b>26.2</b>	<b>19.8</b>	<b>115.3</b>	<b>69.6</b>	<b>26.3</b>	<b>20.7</b>	<b>116.6</b>

( ) = Fertiliser consumption per hectare of gross cropped area. Data for gross cropped area pertain to 2012-13.  
\* = Data pertain to Arable Land and Land Under Permanent Crops is for the year 2013.

**Fig. 9: CONSUMPTION OF PLANT NUTRIENTS PER HECTARE OF ARABLE LAND\* AND AGRICULTURAL LAND IN SELECTED COUNTRIES (Kg.) - 2014**



1.12 CONSUMPTION RATIO OF N AND P <sub>2</sub> O <sub>5</sub> IN RELATION TO K <sub>2</sub> O AND N IN RELATION TO P <sub>2</sub> O <sub>5</sub> IN SELECTED COUNTRIES - 2013 and 2014										
Continent/Country	N : P <sub>2</sub> O <sub>5</sub> : K <sub>2</sub> O						N : P <sub>2</sub> O <sub>5</sub>			
	2013			2014			2013		2014	
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	N	P <sub>2</sub> O <sub>5</sub>	N	P <sub>2</sub> O <sub>5</sub>
<b>Africa</b>										
Egypt	17.7	3.0	1	17.8	3.1	1	5.8	1	5.7	1
Morocco	6.4	6.3	1	11.0	11.4	1	1.0	1	1.0	1
South Africa	3.4	1.5	1	3.4	1.5	1	2.2	1	2.2	1
<b>America</b>										
<b>North America</b>										
Canada	6.5	2.3	1	6.5	2.4	1	2.8	1	2.7	1
USA	2.6	0.9	1	2.7	0.9	1	2.8	1	2.9	1
<b>Latin America and the Caribbean</b>										
Brazil	0.7	0.9	1	0.7	0.9	1	0.8	1	0.8	1
Chile	1.9	1.3	1	1.9	1.3	1	1.5	1	1.5	1
Mexico	6.1	1.4	1	7.7	2.2	1	4.2	1	3.6	1
<b>Asia</b>										
Bangladesh	3.2	1.5	1	3.6	1.6	1	2.2	1	2.2	1
China, Main	4.9	1.7	1	4.5	1.5	1	2.9	1	2.9	1
India*	8.0	2.7	1	6.7	2.4	1	3.0	1	2.8	1
Indonesia	1.7	0.6	1	1.7	0.6	1	2.9	1	3.1	1
Japan	1.2	1.1	1	1.1	1.2	1	1.1	1	1.0	1
Rep. of Korea	2.4	0.8	1	2.4	0.8	1	3.0	1	3.0	1
Malaysia	0.5	0.2	1	0.5	0.2	1	1.9	1	1.8	1
Nepal	32.2	14.1	1	25.8	11.2	1	2.3	1	2.3	1
Pakistan	162.8	44.0	1	106.4	31.7	1	3.7	1	3.4	1
Sri Lanka	2.3	0.9	1	2.3	0.8	1	2.6	1	2.8	1
Thailand	2.5	0.9	1	2.2	0.7	1	2.8	1	3.0	1
Turkey	15.0	5.9	1	12.7	4.9	1	2.5	1	2.6	1
Vietnam	2.6	1.0	1	2.5	1.1	1	2.7	1	2.4	1
<b>Europe</b>										
Belarus	0.8	0.3	1	0.7	0.3	1	2.6	1	3.0	1
Denmark	3.5	0.3	1	3.6	0.3	1	13.4	1	13.7	1
France	4.9	1.0	1	4.7	0.9	1	4.7	1	5.2	1
Germany	3.7	0.6	1	4.0	0.7	1	5.9	1	6.1	1
Netherlands	8.5	0.6	1	7.5	0.6	1	14.1	1	12.9	1
Poland	2.2	0.7	1	2.1	0.6	1	3.2	1	3.3	1
Russian Fedn.	4.5	1.7	1	4.4	1.7	1	2.7	1	2.6	1
Spain	2.9	1.2	1	2.8	1.1	1	2.4	1	2.5	1
UK	3.7	0.7	1	3.8	0.7	1	5.3	1	5.2	1
Ukraine	4.9	1.1	1	4.9	1.2	1	4.4	1	4.2	1
<b>Oceania</b>										
Australia	6.1	3.8	1	6.0	3.9	1	1.6	1	1.5	1
New Zealand	2.9	2.6	1	3.2	2.6	1	1.1	1	1.2	1
<b>World</b>	<b>3.5</b>	<b>1.3</b>	<b>1</b>	<b>3.4</b>	<b>1.3</b>	<b>1</b>	<b>2.6</b>	<b>1</b>	<b>2.7</b>	<b>1</b>

\*= Figures of India relate to 2013-14 and 2014-15.

1.13 FERTILISER CONSUMPTION PER CAPITA, PER HECTARE AND YIELD OF PRINCIPAL CROPS IN SELECTED COUNTRIES - 2014 (Provisional)							
Continent/Country	Fertiliser Consumption (N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O)			Yield per hectare <sup>1</sup>			
	Per hectare of		Per Capita of Agricultural Population <sup>2</sup>	Paddy	Wheat	Maize	Potato
	Agricultural Land *	Arable Land & Land Under Permanent Crops *					
<b>Africa</b>							
Egypt	367.5	367.5	61.4	9530	6512	7733	26966
Morocco	15.4	49.8	57.6	7511	1713	709	32952
South Africa	7.8	58.8	159.4	2617	3619	4540	34454
<b>America</b>							
<b>North America</b>							
Canada	59.5	76.6	6269.8	-	3095	9365	33030
USA	50.1	131.4	4025.4	8487	2944	10733	47151
<b>Latin America and the Caribbean</b>							
Brazil	50.3	169.3	685.2	5201	2209	5176	27941
Chile	26.8	239.5	187.0	6022	5329	10102	21675
Mexico	18.0	74.9	96.1	5712	5194	3296	27339
<b>Asia</b>							
Bangladesh	235.1	251.7	32.0	4419	3176	6659	19031
China, Main	100.4	424.4	62.2	6749	5048	5998	17022
India	141.9	150.5 (131.6)	43.0	3622	3030	2752	22922
Indonesia	100.3	124.3	64.3	5135	-	4954	17296
Japan	200.7	200.7	360.3	6698	4009	2714	30650
Rep. of Korea	264.0	272.9	226.0	6913	3260	5178	27502
Malaysia	303.5	315.0	715.6	3835	-	8899	-
Nepal	34.6	61.2	5.0	3394	2496	2458	13696
Pakistan	113.1	131.2	55.0	2423	2824	4155	21662
Sri Lanka	121.6	144.8	36.8	3838	-	3591	15354
Thailand	104.1	108.1	82.1	3011	1137	4245	16142
Turkey	56.7	91.6	153.2	7486	2429	9075	32120
Vietnam	234.2	248.9	45.7	5754	-	4414	14095
<b>Europe</b>							
Belarus	139.7	214.1	1491.7	-	3941	5355	20393
Denmark	99.3	107.3	1890.5	-	7461	7218	43119
France	105.5	157.3	2496.3	4994	7357	10033	47944
Germany	154.8	214.0	2094.1	-	8630	10684	47415
Netherlands	118.5	203.8	551.6	-	9170	13742	45660
Poland	124.4	160.0	324.8	-	4972	6588	27766
Russian Fedn.	8.9	15.6	172.5	5362	2498	4359	14990
Spain	66.2	101.7	913.0	7851	2981	11238	32554
UK	88.1	240.7	1674.8	-	8585	-	30093
Ukraine	35.6	44.0	292.8	4988	4012	6159	17645
<b>Oceania</b>							
Australia	6.4	54.7	2933.3	10920	2006	7500	39697
New Zealand	82.7	1485.4	2732.1	-	8627	10989	47741
<b>World</b>	<b>37.3</b>	<b>116.6</b>	<b>70.1</b>	<b>4539</b>	<b>3289</b>	<b>5664</b>	<b>20051</b>

Note: <sup>1</sup> Yield figures have been rounded. <sup>2</sup> Based on agricultural population 2011.  
 ( ) = Fertiliser consumption per hectare of gross cropped area. Data for gross cropped area pertain to 2012-13.  
 \* = Data pertain to Agricultural Land and Arable Land and Land under Permanent Crops is for the year 2013.

1.14 IMPORT AND EXPORT OF N, P <sub>2</sub> O <sub>5</sub> & K <sub>2</sub> O IN SELECTED COUNTRIES - 2014								
Continent/Country	Import				Export			
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total
('000 tonnes)								
<b>Africa</b>								
Egypt	0.3	0.3	53.1	53.7	669.0	110.9	0.9	780.8
Libya	2.9	7.4	0.6	10.8	70.5	-	0.1	70.6
Morocco	155.0	7.2	82.4	244.6	494.9	2,038.1	-	2,533.0
South Africa	494.9	107.8	291.1	893.8	78.2	40.7	18.2	137.1
Tunisia	19.8	1.1	2.3	23.2	103.4	493.4	7.2	604.0
<b>America</b>								
<b>North America</b>								
Canada	835.3	583.2	27.9	1,446.4	1,505.8	4.9	10,370.2	11,880.9
USA	9,127.6	1,297.0	6,440.3	16,864.9	1,615.5	2,428.8	180.5	4,224.8
<b>Latin America and the Caribbean</b>								
Brazil	3,555.3	3,024.6	5,291.6	11,871.5	144.6	179.9	16.0	340.5
Chile	287.5	154.2	30.3	472.0	139.5	0.8	1,089.0	1,229.3
Mexico	975.0	281.3	180.3	1,436.6	103.4	400.7	3.6	507.7
Trinidad & Tobago	0.6	0.8	1.0	2.4	207.2	-	-	207.2
Venezuela	94.2	106.7	131.2	332.1	283.4	0.1	-	283.5
<b>Asia</b>								
Bangladesh	881.4	454.4	229.2	1,565.0	-	-	-	-
Bahrain	0.2	0.2	1.4	1.7	321.1	-	-	321.1
China	221.9	295.0	5,027.7	5,544.6	8,662.0	4,436.4	272.4	13,370.8
India*	4,813.0	1,902.9	2,588.0	9,304.0	n.a.	n.a.	n.a.	n.a.
Indonesia	400.7	613.6	1,804.4	2,818.7	578.0	40.5	-	618.5
Iran	1.5	146.1	32.2	179.8	300.0	6.3	-	306.3
Israel	45.4	4.3	2.5	52.2	22.0	423.0	1,987.7	2,432.7
Japan	163.8	126.1	391.8	681.7	135.9	3.3	3.5	142.7
Jordan	22.8	4.8	4.5	32.1	140.1	303.9	1,276.0	1,720.0
Rep. of Korea	360.5	68.8	357.0	786.3	221.8	148.8	45.1	415.7
Kuwait	0.8	0.8	3.3	4.9	419.5	-	-	419.5
Malaysia	536.2	298.1	1,056.4	1,890.7	487.8	36.0	55.9	579.7
Oman	8.3	2.2	7.7	18.2	973.4	-	-	973.4
Pakistan	504.4	468.3	21.2	993.9	-	-	-	-
Philippines	643.6	127.9	165.2	936.7	-	-	4.9	4.9
Qatar	-	-	1.8	1.8	2,342.3	-	-	2,342.3
S. Arabia	9.0	23.0	12.0	44.0	1,914.9	990.8	-	2,905.7
Sri Lanka	227.4	45.4	36.0	308.8	-	-	-	-
Thailand	1,480.5	489.9	608.0	2,578.4	49.3	38.0	21.0	108.3
Turkey	1,391.8	288.1	137.4	1,817.3	65.5	74.8	7.7	148.0
UAE	3.3	3.3	12.3	18.9	884.8	3.9	3.9	892.6
Vietnam	555.8	519.5	631.1	1,706.4	230.9	150.6	69.6	451.1
<b>Europe</b>								
Belarus	37.9	69.6	1.4	108.9	358.2	89.7	5,774.3	6,222.2
France	2,097.6	461.6	705.9	3,265.1	245.0	40.1	42.5	327.6
Germany	1,257.1	304.9	247.3	1,809.3	830.4	65.4	1,330.4	2,226.2
Italy	568.0	207.9	263.7	1,039.6	140.6	79.9	49.1	269.6
Lithuania	200.6	87.9	95.9	384.4	894.7	383.1	39.9	1,317.7
Netherlands	520.5	248.3	788.4	1,557.2	2,202.5	414.5	463.7	3,080.7
Poland	406.6	166.4	628.6	1,201.6	632.8	139.5	81.3	853.6
Romania	180.1	137.1	54.6	371.8	442.2	32.1	21.3	495.6
Russian Fedn.	14.4	7.0	29.4	50.8	5,741.6	2,289.1	691.1	8,721.8
Spain	833.9	334.4	298.8	1,467.1	196.6	55.9	549.8	802.3
Ukraine	362.9	174.4	230.2	767.5	948.4	24.6	15.1	988.1
United Kingdom	980.8	250.7	223.6	1,455.1	55.3	14.4	351.0	420.7
<b>Oceania</b>								
Australia	1,198.5	701.5	224.2	2,124.2	81.9	176.1	1.5	259.5
New Zealand	340.8	156.5	176.0	673.3	0.6	0.3	0.2	1.1
<b>World</b>	<b>45,305.9</b>	<b>18,042.8</b>	<b>33,827.5</b>	<b>97,176.2</b>	<b>40,489.8</b>	<b>17,689.4</b>	<b>26,247.3</b>	<b>84,426.5</b>

\* = Figures of India relate to 2014-15.

Note: Totals (N+P<sub>2</sub>O<sub>5</sub>+K<sub>2</sub>O) may not tally due to rounding of figures.

N.A. = Not available.

Source : www.fao.org.



## 2.00 PRICES OF FERTILISERS

2.01(a) RANGE OF FOB PRICES — UREA, DAP and MOP — SOURCE-WISE — 2008 to 2016							
(US\$/tonne product bulk)							
Year/ Period	Urea		DAP			MOP	
	CIS	Middle East	US Gulf	N. Africa	China	Vancouver	CIS
	Min.-Max.	Min.-Max.	Min.-Max.	Min.-Max.	Min.-Max.	Min.-Max.	Min.-Max.
<b>2008</b>							
Jan./March	310-400	380-410	675-1156	690-1110		280-500	300-535
April/June	380-650	404-740	1140-1230	1110-1225		405-625	425-900
July/Sept.	630-830	665-865	960-1220	900-1230		500-945	500-1030
Oct./Dec.	200-600	241-520	390-1015	870-1190		780-965	925-1060
<b>2009</b>							
Jan./March	205-286	245-310	320-371	367-430		705-965	715-1020
April/June	225-260	260-300	270-343	280-410		700-720	695-735
July/Sept.	228-265	254-270	288-325	300-336		470-715	482-715
Oct./Dec.	224-270	254-315	280-380	300-360		450-490	340-488
<b>2010</b>							
Jan./March	252-300	285-330	390-510	390-502	440-520	330-365	310-360
April/June	210-258	228-285	430-470	440-475	450-465	330-365	330-360
July/Sept.	235-340	248-330	430-575	448-572	453-532	330-365	325-345
Oct./Dec.	323-380	330-390	565-600	560-603	520-600	330-400	325-405
<b>2011</b>							
Jan./March	300-380	325-400	585-625	574-655	n.a.	365-435	370-440
April/June	300-515	331-525	600-645	610-690	580-615	395-510	395-510
July/Sept.	440-512	495-530	630-660	665-710	610-655	470-510	445-525
Oct./Dec.	295-500	375-530	580-635	595-705	650-665	470-510	445-515
<b>2012</b>							
Jan./March	325-445	375-480	495-540	518-645	n.a.	480-510	460-505
April/June	355-535	410-530	494-575	520-603	550-585	460-510	450-490
July/Sept.	360-426	380-415	545-570	543-597	550-575	450-490	440-490
Oct./Dec.	360-412	400-415	490-550	517-590	550	440-475	435-470
<b>2013</b>							
Jan./March	363-445	395-450	455-516	470-540	544-562	400-460	395-455
April/June	298-375	315-365	460-513	490-530	480-540	400-435	390-410
July/Sept.	265-330	280-320	380-465	400-505	365-480	360-435	310-410
Oct./Dec.	277-335	280-330	340-385	370-435	360-395	275-345	255-380
<b>2014</b>							
Jan./March	290-370	310-402	403-500	390-550	375-490	265-325	240-325
April/June	280-311	275-320	435-500	460-540	400-460	280-325	255-335
July/Sept.	285-340	290-362	460-511	505-540	425-485	280-340	265-335
Oct./Dec.	295-327	300-345	442-470	490-540	450-475	280-340	265-335
<b>2015</b>							
Jan./March	245-325	300-328	470-487	475-535	462-478	300-340	265-330
April/June	245-298	295-328	455-475	480-517	462-480	305-340	265-335
July/Sept.	238-290	255-310	460-475	495-510	443-470	265-340	265-335
Oct./Dec.	228-261	230-260	400-455	445-500	395-445	255-300	250-320
<b>2016</b>							
Jan./March	165-232	195-229	360-405	355-452	335-398	208-290	205-320
April/June	183-208	203-225	343-360	341-370	330-345	197-270	192-286
July/Sept.	165-194	193-201	335-345	340-355	325-331	192-235	192-278

2.01 (b) MAXIMUM AND MINIMUM FOB PRICES OF UREA, DAP and MOP — 2000 to 2016						
(US \$/tonne product bulk)						
Year	Urea		DAP		MOP	
	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
2000	70 (Jan.)	140 (July)	140 (April)	183 (Sept.)	87 (March)	129 (Jan.)
2001	69 (May)	147 (Jan.)	131 (June)	173 (March)	87 (Jan.)	129 (Jan.)
2002	81 (April)	120 (Nov.)	143 (April)	178 (Sept.)	87 (Jan.)	129 (Jan.)
2003	98 (Jan.)	175 (Dec.)	147 (Jan.)	212 (Dec.)	87 (Jan.)	129 (Jan.)
2004	112 (Feb.)	275 (Oct.)	200 (May)	265 (Nov.)	80 (Feb.)	160 (May)
2005	168 (Feb.)	290 (May)	220 (April)	270 (Nov.)	122 (Jan.)	195 (Dec.)
2006	190 (July)	270 (Dec.)	250 (Jan.)	276 (Sept.)	145 (Jan.)	195 (Jan.)
2007	240 (Aug.)	410 (Dec.)	269 (Jan.)	610 (Dec.)	150 (Jan.)	400 (Dec.)
2008	200 (Dec.)	865 (Aug.)	390 (Dec.)	1230 (Aug.)	280 (Jan.)	1060 (Oct.)
2009	205 (Jan.)	315 (Dec.)	270 (May)	430 (Jan.)	340 (Dec.)	1020 (Jan.)
2010	210 (May)	390 (Dec.)	390 (Jan.)	603 (Nov.)	310 (Feb.)	405 (Dec.)
2011	295 (Dec.)	525 (Jun.)	574 (Jan.)	710 (Aug.)	365 (Jan.)	525 (Aug.)
2012	325 (Jan.)	535 (May)	490 (Dec.)	645 (Jan.)	435 (Nov.)	510 (Jan.)
2013	265 (Sept.)	450 (Feb.)	340 (Nov.)	540 (Jan.)	255 (Dec.)	460 (Jan.)
2014	275 (May)	402 (Jan.)	375 (Jan.)	550 (Feb.)	240 (Jan.)	340 (July)
2015	228 (Dec.)	328 (Feb.)	395 (Dec.)	535 (Jan.)	250 (Dec.)	340 (Jan.)
2016 (Jan.-Sept.)	165 (Jan.)	232 (Jan.)	325 (Aug.)	452 (Jan.)	192 (June)	320 (Jan.)

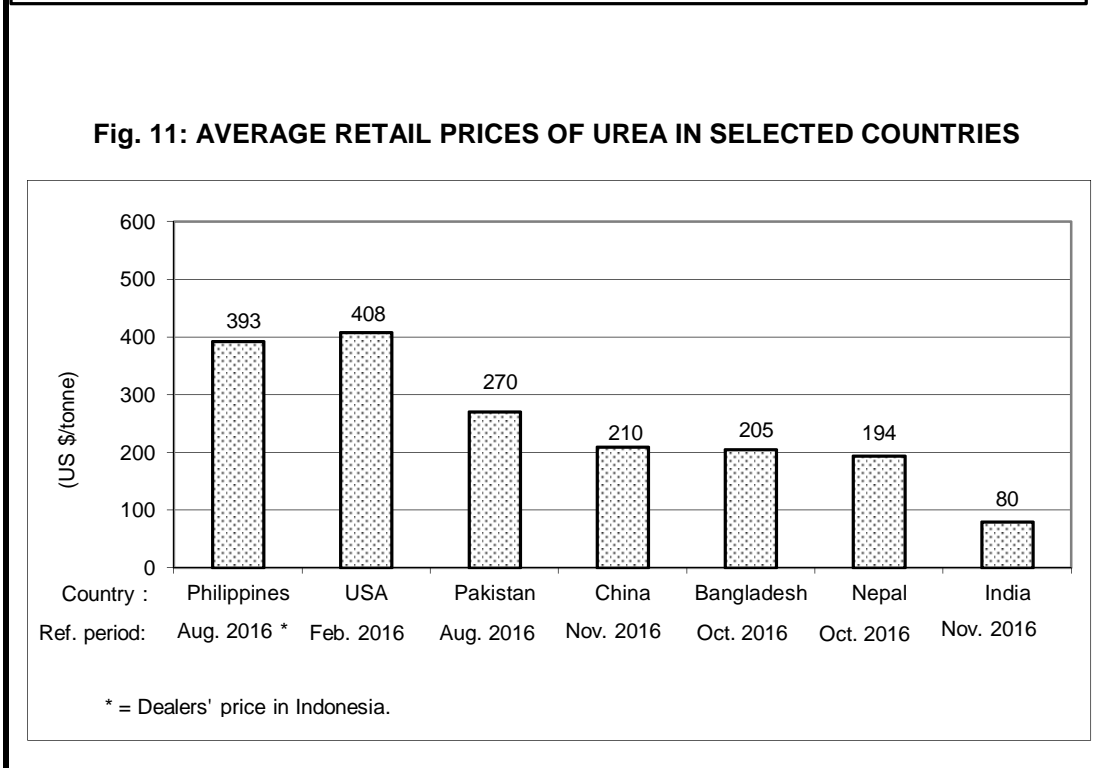
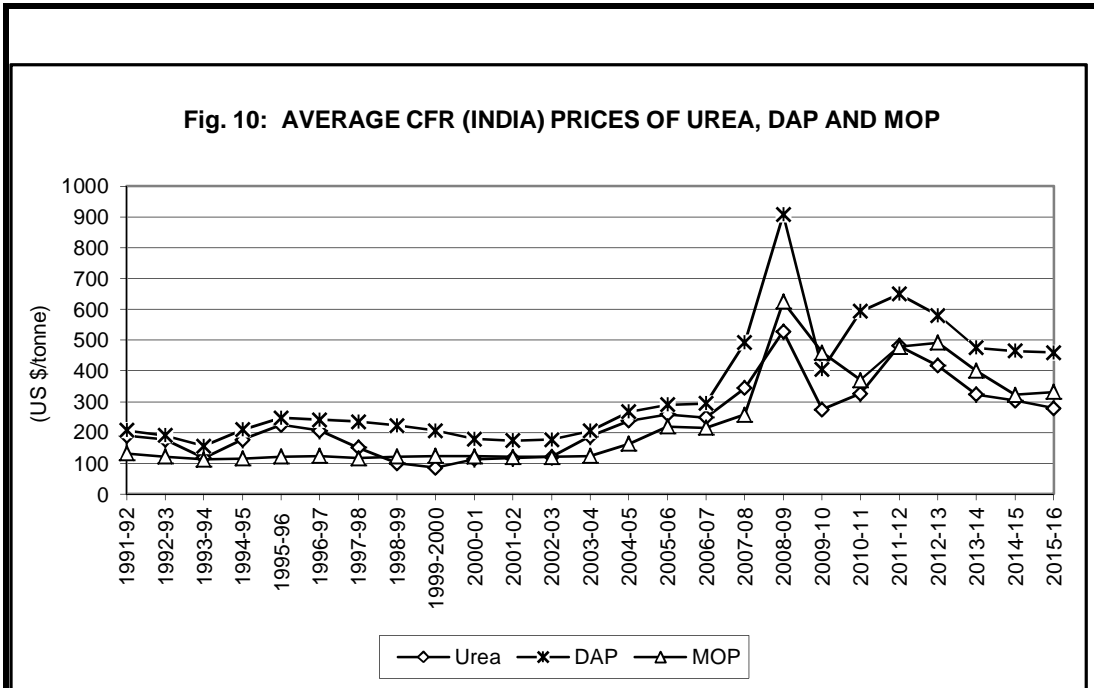
Note: The months specified above are those when maximum and minimum prices first occurred during the calendar year taking various sources together.

Source : Compiled in FAI.

2.02 OCEAN FREIGHT TO INDIA – UREA AND DAP					
2008 to 2016					
(US \$/tonne)					
Year / Period	Urea			DAP	
	Black Sea	China	M. East	US Gulf	Jordan
	Min.-Max.	Min.-Max.	Min.-Max.	Min.-Max.	Min.-Max.
<b>2008</b>					
Jan./March	58-67		30-35	92-101	42-49
April/June	70-85		30-40	100-125	51-60
July/Sept.	30-70		25-60	65-110	30-47
Oct./Dec.	16-32		8-22	25-36	13-18
<b>2009</b>					
Jan./March	16-40		8-14	25-50	11-23
April/June	35-43		10-20	33-51	17-21
July/Sept.	35-40		17-21	48-61	19-29
Oct./Dec.	38-42		15-18	52-68	27-32
<b>2010</b>					
Jan./March	38-60		15-20	66-71	31-34
April/June	38-50		20-28	63-72	30-35
July/Sept.	30-37		18-21	56-65	28-32
Oct./Dec.	34-37		19-21	50-65	27-31
<b>2011</b>					
Jan./March	34-35		19-21	50-56	25-29
April/June	35-37		19-21	50-55	25-29
July/Sept.	35-37		19-21	50-54	23-27
Oct./Dec.	40-42		19-23	53-60	25-28
<b>2012</b>					
Jan./March	40-42		19-20	41-51	22-24
April/June	35-42		15-19	43-50	20-24
July/Sept.	31-33		15-18	43-50	23-25
Oct./Dec.	27-32		15-18	39-44	22-25
<b>2013</b>					
Jan./March	27-29		15-18	40-45	21-25
April/June	25-29		13-18	40-46	20-24
July/Sept.	25-28		13-15	42-46	19-23
Oct./Dec.	25-38		13-15	42-49	19-25
<b>2014</b>					
Jan./March	35-38		13-15	44-49	24-25
April/June	35-38		13-15	40-46	24-25
July/Sept.		13-14	13-15	35-44	17-25
Oct./Dec.		13-15	13-15	38-44	18-21
<b>2015</b>					
Jan./March		9-14	10-15	26-37	13-20
April/June		9-10	8-10	26-30	13-14
July/Sept.		9-10	8-10	26-30	13-15
Oct./Dec.		9-10	7-10	26-30	14-15
<b>2016</b>					
Jan./March		9-10	7-8	19-30	5-15
April/June		7-10	6-8	19-23	5-10
July/Sept.		7-8	6-10	22-23	7-10

2.03 AVERAGE CFR (India) PRICES OF UREA, DAP and MOP 1970-71 to 2015-16			
(US \$/tonne)			
Year	Urea <sup>1</sup>	DAP	MOP
1970-71	78	79	52
1971-72	61	76	41
1972-73	65	102	41
1973-74	91	135	58
1974-75	273	282	92
1975-76	274	319	97
1976-77	124	161	78
1977-78	144	175	83
1978-79	157	165	86
1979-80	185	214	107
1980-81	240	276	151
1981-82	232	246	139
1982-83	141	199	69
1983-84	125	217	72
1984-85	169	193	81
1985-86	149	175	84
1986-87	97	184	71
1987-88	123	-	93
1988-89	135	244	127
1989-90	-	222	133
1990-91	-	198	128
1991-92	189	207	132
1992-93	177	190	122
1993-94	118	156	113 (105-121)
1994-95	177	209	116 (110-121)
1995-96	225	248	122 (110-134)
1996-97	206	241	124 (118-130)
1997-98	151	235	117
1998-99	100	223	122
1999-2000	86	206	123.9
2000-01	131	179	122.5
2001-02	117	174	120.9
2002-03	121	177 (165-188)	120.9
2003-04	187	205.5 (205-206)	124.4
2004-05	238 (182-299)	267 (250-283)	163 (124-202)
2005-06	} JV - 155 Direct - 259	290	220
2006-07	} JV - 169 Direct - 249	294	215
2007-08	} JV - 180 Direct - 344	492	258
2008-09	} JV - 233 Direct - 528	907	625
2009-10	} JV - 170 Direct - 275	404	460
2010-11	} JV - 167 Direct - 327.38	593 <sup>2</sup>	370
2011-12	} JV - 215.19 Direct - 481.74	650 <sup>2</sup>	478
2012-13	} JV - 227.63 Direct - 417.40	580 <sup>2</sup>	492
2013-14	} JV - 172.41 Direct - 322.66	475 <sup>2</sup>	375-424
2014-15 (P)	} JV - 179.66 Direct - 303.94	465 <sup>2</sup>	322
2015-16 (P)	} JV - 145.83 Direct - 279.02	459 <sup>2</sup>	332

1 = Weighted average price. 2 = Average FOB price + Ocean freight from published documents.  
CFR = Cost & Freight. ( ) = Range of minimum and maximum prices. (P) = Provisional.



2.04 FERTILISER AND FOOD PRICE INDICES - 2008 to 2015 (2002-2004 = 100)								
Item	2008	2009	2010	2011	2012	2013	2014	2015
<b>Fertiliser price index<sup>1</sup></b>								
Urea	362	184	208	297	291	238	229	195
DAP	537	176	263	328	281	232	246	243
MOP	573	543	297	388	401	325	254	256
<b>Food price index<sup>2</sup></b>								
Cereals	232	170	179	241	236	219	192	162
Dairy	223	149	207	230	194	243	224	160
Meat	161	141	158	183	182	184	198	168
Vegetable Oils	227	153	197	255	224	193	181	147
Sugar	182	257	302	369	306	251	241	191
<b>Food</b>	<b>201</b>	<b>160</b>	<b>188</b>	<b>230</b>	<b>213</b>	<b>210</b>	<b>202</b>	<b>164</b>
Source:								
1 = Calculated from average FOB prices quoted in various Fertiliser Trade Journals.								
2 = World Food Situation: <i>Food Price Index November 2016</i> , FAO, Rome,								

**PART III**

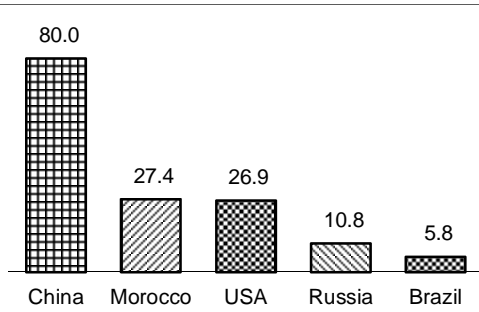
**SECTION 2**

**FEEDSTOCK/RAW MATERIALS  
AND INTERMEDIATES**

**Fig. 1: PRODUCTION OF ROCK PHOSPHATE, SULPHUR, AMMONIA AND PHOSPHORIC ACID BY THE MAJOR PRODUCING COUNTRIES - 2014**

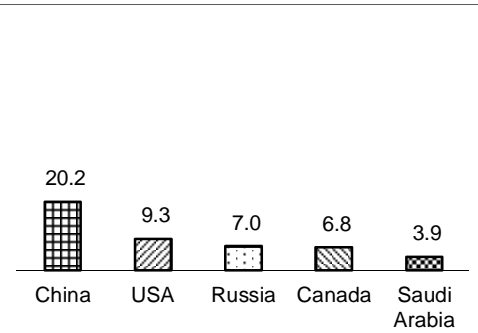
**ROCK PHOSPHATE (MMT product)**

World Total - 197.1



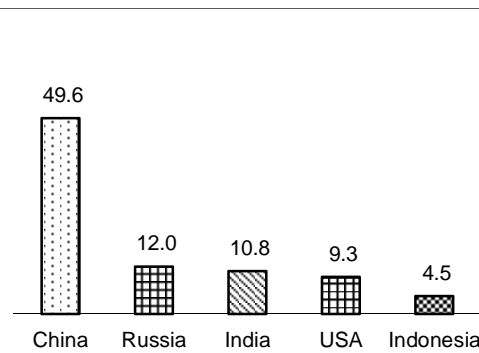
**SULPHUR (MMT S/S-equivalent) \***

World Total - 85.2



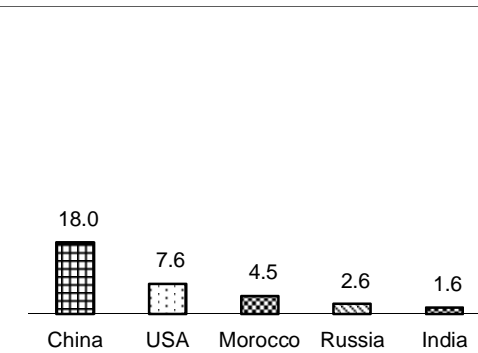
**AMMONIA (MMT N)**

World Total - 141.6



**PHOSPHORIC ACID (MMT P<sub>2</sub>O<sub>5</sub>)**

World Total - 43.2

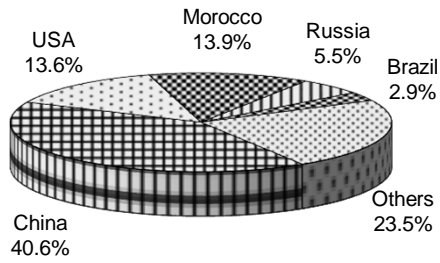


Note: 1) MMT = Million Metric Tonnes.  
 2) \* = data pertain to 2013.

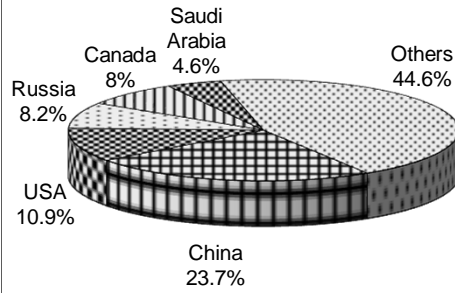


**Fig. 2: PERCENTAGE SHARE OF MAJOR PRODUCING COUNTRIES TO WORLD PRODUCTION OF ROCK PHOSPHATE, SULPHUR, AMMONIA AND PHOSPHORIC ACID - 2014**

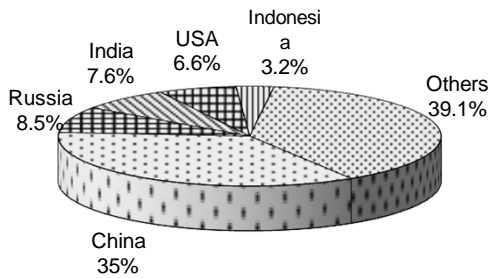
**ROCK PHOSPHATE**



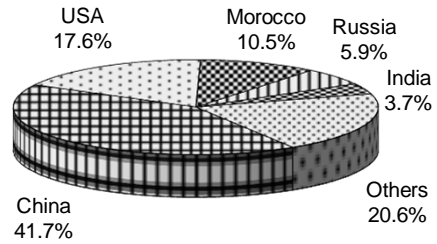
**SULPHUR \***



**AMMONIA**

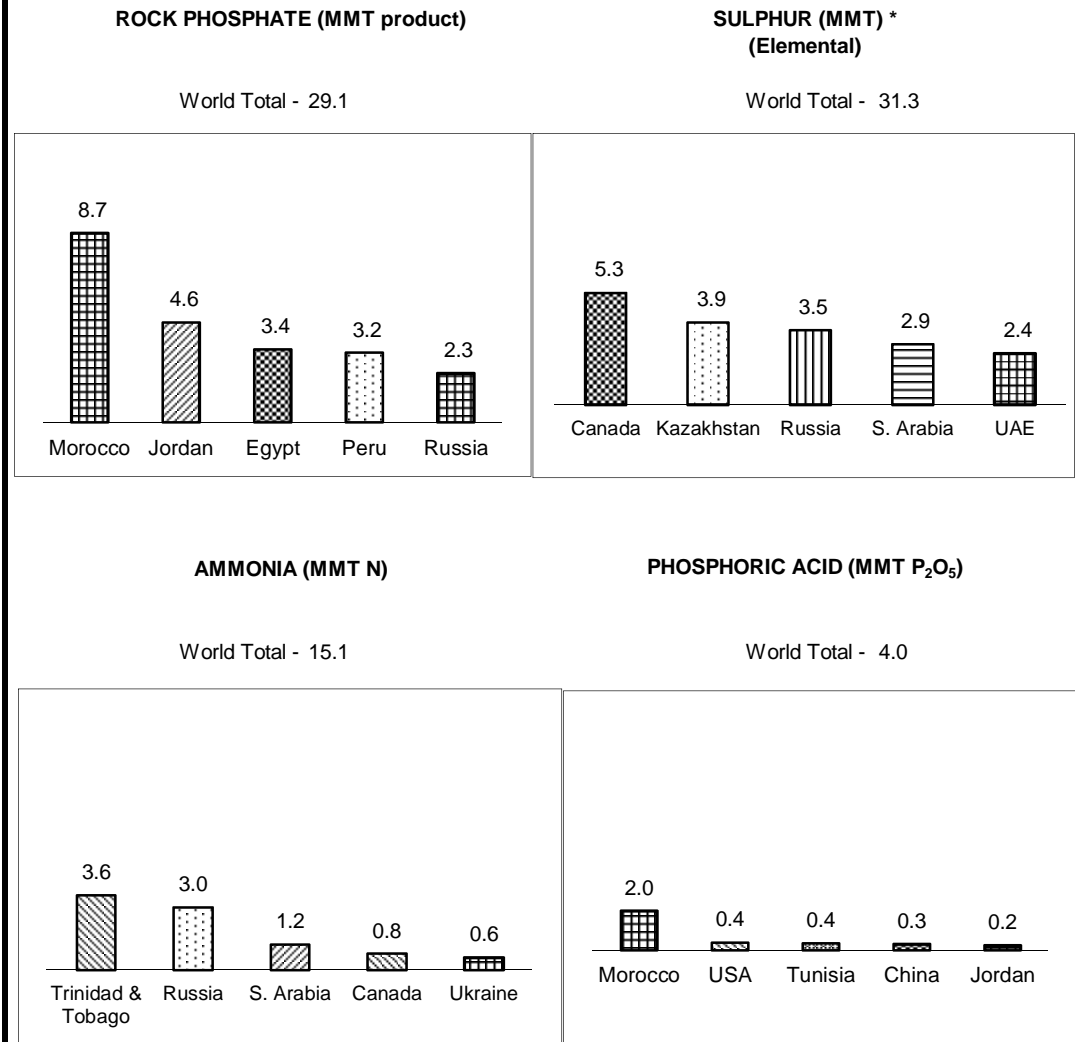


**PHOSPHORIC ACID**



Note : \* = data pertain to 2013.

**Fig. 3: EXPORT OF ROCK PHOSPHATE, SULPHUR, AMMONIA AND PHOSPHORIC ACID BY THE MAJOR EXPORTING COUNTRIES - 2014**

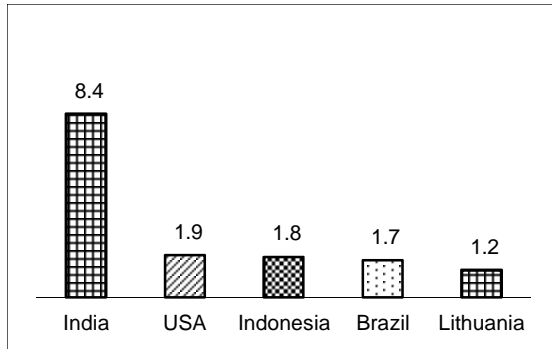


Note: 1) MMT = Million Metric Tonnes.  
2) \* = data pertain to 2013.

**Fig. 4: IMPORT OF ROCK PHOSPHATE, SULPHUR, AMMONIA AND PHOSPHORIC ACID BY THE MAJOR IMPORTING COUNTRIES - 2014**

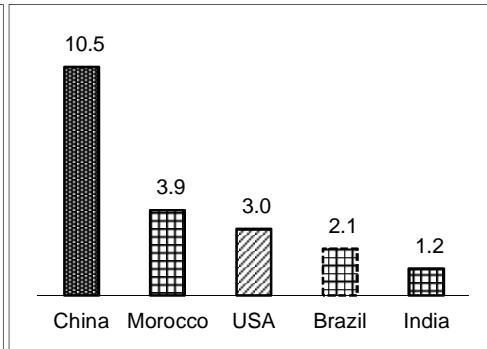
**ROCK PHOSPHATE (MMT product)**

World Total - 29.1



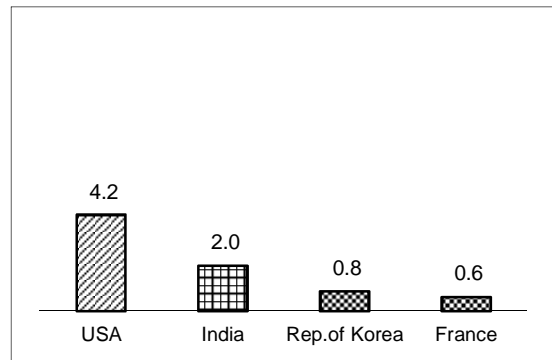
**SULPHUR (MMT) \*  
(Elemental)**

World Total - 31.3



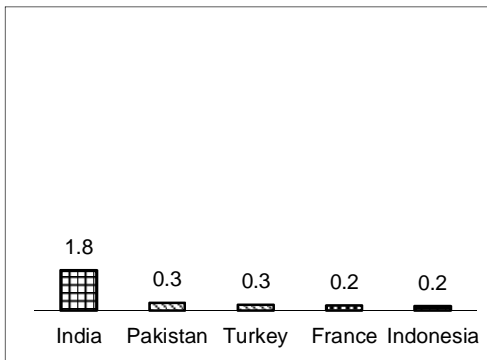
**AMMONIA (MMT N)**

World Total - 15.1



**PHOSPHORIC ACID (MMT P<sub>2</sub>O<sub>5</sub>)**

World Total - 4.0



Note: 1) MMT = Million Metric Tonnes.  
2) \* = data pertain to 2013.

## 1.00 PRICES OF FEEDSTOCKS/RAW MATERIALS/ INTERMEDIATES

1.01 RANGE OF FOB PRICES — AMMONIA, PHOSPHORIC ACID, ROCK PHOSPHATE AND SULPHUR — SOURCEWISE 2008 to 2016						
(US \$/tonne)						
Year Period	Anhydrous ammonia (as NH <sub>3</sub> )		Phosphoric acid (as P <sub>2</sub> O <sub>5</sub> )	Rock phosphate (70% BPL)	Sulphur (dry bulk)	
	M. East	CIS	US Gulf	Casablanca*	Vancouver	M. East
	Min.-Max.	Min.-Max.	Min.-Max.	Min.-Max.	Min.-Max.	Min.-Max.
<b>2008</b>						
Jan./March	308-530	380-565	470-510	175-205	130-428	375-666
April/June	410-550	425-540	1185	350-400	130-650	375-806
July/Sept.	440-923	540-900	1185-1885	350-450	620-840	360-820
Oct./Dec.	123-923	240-860	1885	320-450	40-840	40-380
<b>2009</b>						
Jan./March	120-289	200-285		250-290**	40-200	35-50
April/June	195-300	185-270			40-50	38-50
July/Sept.	182-300	182-290		95-105\$	28-32	26-43
Oct./Dec.	244-305	275-296		95-105	25-45	26-85
<b>2010</b>						
Jan./March	275-380	275-390		109-110	80-98	65-210
April/June	280-376	290-390	670-680#	120-130	80-140	47-170
July/Sept.	280-420	300-415	670-680	113-130	53-59	55-160
Oct./Dec.	348-430	390-415	670-680	113-140	59-150	150-177
<b>2011</b>						
Jan./March	375-480	425-500	690-920	150-160	180-220	155-210
April/June	470-519	490-510	870-880	165-205	200-225	205-240
July/Sept.	470-575	490-650	940-950	165-205	200-245	195-225
Oct./Dec.	460-589	470-650	970-980	165-210	225-245	180-225
<b>2012</b>						
Jan./March	250-460	350-452	850-980	167-210	190-198	165-197
April/June	370-644	450-600	740-860	152-195	198-205	145-200
July/Sept.	575-705	595-650	775	140-195	180-210	145-203
Oct./Dec.	660-705	600-650	745-775	140-165	160-210	144-203
<b>2013</b>						
Jan./March	530-694	525-600	660-745	120-160	150	130-165
April/June	470-560	440-515	630-660	110-155	155-160	85-155
July/Sept.	405-510	400-450	605-630	105-150	45-95	55-100
Oct./Dec.	430-447	385-450	499	85-145	55-120	60-128
<b>2014</b>						
Jan./March	435-482	412-500	499-570	85-120	115-185	60-200
April/June	410-513	450-500	570-605	90-130	115-185	117-180
July/Sept.	425-600	445-590	605-655	90-130	140-170	132-175
Oct./Dec.	549-640	460-610	655	90-132	130-170	119-165
<b>2015</b>						
Jan./March	405-560	400-460	655-695	110-132	135-180	138-182
April/June	380-430	380-410	695	110-140	127-150	117-165
July/Sept.	380-435	380-405	695	110-140	110-154	106-165
Oct./Dec.	360-480	270-405	600-695	110-140	100-128	96-135
<b>2016</b>						
Jan./March	300-385	260-280	600	95-140	75-117	75-128
April/June	310-355	250-290	600	95-125	75-89	60-86
July/Sept.	145-335	170-260		95-125	69-85	57-80

\* = 70% BPL

# = June 2010.

\$ = Sept. 2009.

\*\* = January 2009.

1.02 CFR (INDIA) PRICES OF AMMONIA AND PHOSPHORIC ACID 2007-08 to 2016-17				
Period	Ammonia			Phosphoric acid (US \$/tonne)
	Range		Weighted average	
	Min.	Max.		
<b>2007-08</b>				
April/June2007	293.25	362.50	334.44	566.25
July/Sept.2007	244.90	317.00	289.96	566.25
Oct./Dec.2007	253.15	361.00	288.57	566.25
Jan./March2008	338.54	541.50	431.16	566.25
<b>2008-09</b>				
April/June2008	413.09	530.63	461.48	1595-1985
July/Sept.2008	483.05	705.31	593.70	1985-2310
Oct./Dec.2008	189.45	785.25	633.03	1920.00
Jan./March2009	169.11	228.70	206.78	650-1100
<b>2009-10</b>				
April/June2009	262.49	295.92	276.00	490-630
July/Sept.2009	203.57	273.21	237.02	490-630
Oct./Dec.2009	284.25	329.31	304.63	501-532.50
Jan./March2010	302.96	371.03	332.54	501-775
<b>2010-11</b>				
April/June2010	354.71	401.57	381.78	710.55-769.74
July/Sept.2010	305.37	344.21	323.47	775.83-778.15
Oct./Dec.2010	374.18	431.08	409.90	779.40-779.69
Jan./March2011	383.15	448.28	408.68	779.69-829.68
<b>2011-12</b>				
April/June2011	485	605		980
July/Sept.2011	513	660		1050
Oct./Dec.2011	520	715		1080
Jan./March2012	288	625		960-1080
<b>2012-13</b>				
April/June2012	386	710		850-960
July/Sept.2012	592	780		885
Oct./Dec.2012	695	825		855-885
Jan./March2013	583	780		770-855
<b>2013-14 (P)</b>				
April/June2013	550	650		740-770
July/Sept.2013	450	600		715-750
Oct./Dec.2013	464	549		499-609
Jan./March2014	475	560		609-680
<b>2014-15</b>				
April/June2014	475	570		680-715
July/Sept.2014	485	580		715-765
Oct./Dec.2014	547	688		765
Jan./March2015	430	600		765-805
<b>2015-16</b>				
April/June2015	405	500		805-810
July/Sept.2015	410	502		805-810
Oct./Dec.2015	405	530		715-810
Jan./March2016	340	440		715
<b>2016-17 (P)</b>				
April/June2016	340	405		600-715
July/Sept.2016	180	380		600-610

(P) = Provisional.

1.03 AVERAGE CFR (India) PRICES OF ROCK PHOSPHATE AND SULPHUR		
1995 to 2016		
(US \$/tonne)		
Year	Rock Phosphate (73-75% BPL)	Sulphur
1995	N.A.	65-96
1996	68	47-72
1997	68	47-67
1998	68	35-48
1999	68	35-68
2000	68	35-60
2001	51-68	27-41
2002	51-60	34-79
2003	51-60	71-100
2004	56-62	82-97
2005	60-62	85-106
2006	60-62	64-89
2007	60-118	77-530
2008	165-430	55-855
2009	150-240	37-105
2010	165	84-227
2011	170-240	171-244
2012	197-240	174-236
2013	128-187	80-170
2014	128-150	147-227
2015	143-150	120-199
2016 (Jan./Sept.)	115-145	79-140

1.04 MONTH-WISE FOB PRICES OF NAPHTHA AND F.OIL						
2005-06 to 2010-11						
(US\$/MT AG)						
Month	2005-06		2006-07		2007-08	
	Naphtha	F. Oil	Naphtha	F. Oil	Naphtha	F. Oil
April	440.9	238.7	572.7	338.8	643.8	327.0
May	394.5	240.1	577.7	337.7	671.6	331.1
June	408.6	250.4	593.2	315.9	644.1	344.5
July	431.3	256.5	622.4	328.9	660.1	372.1
August	504.6	276.8	587.4	309.5	627.7	364.7
September	530.9	309.0	507.1	267.1	669.6	383.4
October	493.3	293.6	496.4	270.3	722.2	432.8
November	450.3	269.5	510.3	259.5	809.2	488.9
December	460.1	259.6	532.4	265.2	806.4	452.7
January	498.2	282.1	492.1	255.0	810.8	456.2
February	502.0	311.0	548.3	282.6	833.2	459.2
March	526.1	324.3	604.9	295.6	858.5	487.5
<b>Average</b>	<b>470.1</b>	<b>276.0</b>	<b>553.7</b>	<b>293.8</b>	<b>729.8</b>	<b>408.4</b>
	2008-09		2009-10		2010-11	
	Naphtha	F. Oil	Naphtha	F. Oil	Naphtha	F. Oil
April	905.8	526.5	432.2	280.5	728.2	479.6
May	1000.8	587.5	477.4	337.7	675.6	445.3
June	1080.9	620.5	573.0	392.1	638.3	427.2
July	1093.6	699.9	548.8	392.0	607.9	433.5
August	937.6	649.3	615.2	428.0	639.1	442.6
September	799.9	570.4	579.6	415.9	655.9	435.6
October	453.3	381.6	605.1	433.8	734.7	465.0
November	252.6	225.5	664.0	458.5	767.7	483.8
December	261.1	211.1	672.9	454.0	827.2	499.1
January	360.5	243.1	695.9	470.8	840.3	523.9
February	386.3	245.8	658.2	449.9	865.5	596.9
March	397.6	234.8	705.2	456.3	950.0	630.6
<b>Average</b>	<b>660.8</b>	<b>433.0</b>	<b>602.3</b>	<b>414.1</b>	<b>744.2</b>	<b>488.6</b>

AG = Arab Gulf.  
Source : PPAC Ready Reckoner, Petroleum Planning & Analysis Cell, Ministry of Petroleum & Natural Gas,  
Govt. of India.

1.05 GAS PRICES IN SELECTED COUNTRIES - 1984 to 2015						
Year	LNG Japan cif	Natural gas				Crude oil OECD countries (cif)
		Average German Import Price	UK index	US Henry Hub	Canada Alberta	
1984	5.10	4.00	–	–	–	5.00
1985	5.23	4.25	–	–	–	4.75
1986	4.10	3.93	–	–	–	2.57
1987	3.35	2.55	–	–	–	3.09
1988	3.34	2.22	–	–	–	2.56
1989	3.28	2.00	–	1.70	–	3.01
1990	3.64	2.78	–	1.64	1.05	3.82
1991	3.99	3.23	–	1.49	0.89	3.33
1992	3.62	2.70	–	1.77	0.98	3.19
1993	3.52	2.51	–	2.12	1.69	2.82
1994	3.18	2.35	–	1.92	1.45	2.70
1995	3.46	2.43	–	1.69	0.89	2.96
1996	3.66	2.50	1.87	2.76	1.12	3.54
1997	3.91	2.66	1.96	2.53	1.36	3.29
1998	3.05	2.33	1.86	2.08	1.42	2.16
1999	3.14	1.86	1.58	2.27	2.00	2.98
2000	4.72	2.91	2.71	4.23	3.75	4.83
2001	4.64	3.67	3.17	4.07	3.61	4.08
2002	4.27	3.21	2.37	3.33	2.57	4.17
2003	4.77	4.06	3.33	5.63	4.83	4.89
2004	5.18	4.30	4.46	5.85	5.03	6.27
2005	6.05	5.83	7.38	8.79	7.25	8.74
2006	7.14	7.87	7.87	6.76	5.83	10.66
2007	7.73	7.99	6.01	6.95	6.17	11.95
2008	12.55	11.60	10.79	8.85	7.99	16.76
2009	9.06	8.53	4.85	3.89	3.38	10.41
2010	10.91	8.03	6.56	4.39	3.69	13.47
2011	14.73	10.49	9.04	4.01	3.47	18.56
2012	16.75	10.93	9.46	2.76	2.27	18.82
2013	16.17	10.72	10.64	3.71	2.93	18.25
2014	16.33	9.11	8.25	4.35	3.87	16.80
2015	10.31	6.61	6.53	2.60	2.01	8.77

Note: Btu = British thermal units; cif = cost+insurance+freight (average prices).  
Source: BP Statistical Review of World Energy, June 2016.



## 1.06 COAL PRICES AT VARIOUS SOURCES - 1990 to 2015

(US dollars per tonne)

Year	Northwest Europe marker price	US Central Appalachian coal spot price index	Japan coking coal import (cif price)	Japan steam coal import (cif price)	Asian marker price
1990	43.48	31.59	60.54	50.81	–
1991	42.80	29.01	60.45	50.30	–
1992	38.53	28.53	57.82	48.45	–
1993	33.68	29.85	55.26	45.71	–
1994	37.18	31.72	51.77	43.66	–
1995	44.50	27.01	54.47	47.58	–
1996	41.25	29.86	56.68	49.54	–
1997	38.92	29.76	55.51	45.53	–
1998	32.00	31.00	50.76	40.51	29.48
1999	28.79	31.29	42.83	35.74	27.82
2000	35.99	29.90	39.69	34.58	31.76
2001	39.03	50.15	41.33	37.96	36.89
2002	31.65	33.20	42.01	36.90	30.41
2003	43.60	38.52	41.57	34.74	36.53
2004	72.08	64.90	60.96	51.34	72.42
2005	60.54	70.12	89.33	62.91	61.84
2006	64.11	62.96	93.46	63.04	56.47
2007	88.79	51.16	88.24	69.86	84.57
2008	147.67	118.79	179.03	122.81	148.06
2009	70.66	68.08	167.82	110.11	78.81
2010	92.50	71.63	158.95	105.19	105.43
2011	121.52	87.38	229.12	136.21	125.74
2012	92.50	72.06	191.46	133.61	105.50
2013	81.69	71.39	140.45	111.16	90.90
2014	75.38	69.00	114.41	97.65	77.89
2015	56.64	53.59	93.85	79.47	63.52

Note: CAPP = Central Appalachian; cif = cost+insurance+freight (average prices); fob = free on board.  
Source: BP Statistical Review of World Energy, June 2016.

## 1.07 SPOT CRUDE OIL PRICES AT VARIOUS SOURCES - 1975 to 2015

Year	(US dollars per barrel)			
	Dubai <sup>1</sup>	Brent <sup>2</sup>	Nigerian Forcados	West Texas Intermediate <sup>3</sup>
1975	10.70	–	–	–
1976	11.63	12.80	12.87	12.23
1977	12.38	13.92	14.21	14.22
1978	13.03	14.02	13.65	14.55
1979	29.75	31.61	29.25	25.08
1980	35.69	36.83	36.98	37.96
1981	34.32	35.93	36.18	36.08
1982	31.80	32.97	33.29	33.65
1983	28.78	29.55	29.54	30.30
1984	28.06	28.78	28.14	29.39
1985	27.53	27.56	27.75	27.98
1986	13.10	14.43	14.46	15.10
1987	16.95	18.44	18.39	19.18
1988	13.27	14.92	15.00	15.97
1989	15.62	18.23	18.30	19.68
1990	20.45	23.73	23.85	24.50
1991	16.63	20.00	20.11	21.54
1992	17.17	19.32	19.61	20.57
1993	14.93	16.97	17.41	18.45
1994	14.74	15.82	16.25	17.21
1995	16.10	17.02	17.26	18.42
1996	18.52	20.67	21.16	22.16
1997	18.23	19.09	19.33	20.61
1998	12.21	12.72	12.62	14.39
1999	17.25	17.97	18.00	19.31
2000	26.20	28.50	28.42	30.37
2001	22.81	24.44	24.23	25.93
2002	23.74	25.02	25.04	26.16
2003	26.78	28.83	28.66	31.07
2004	33.64	38.27	38.13	41.49
2005	49.35	54.52	55.69	56.59
2006	61.50	65.14	67.07	66.02
2007	68.19	72.39	74.48	72.20
2008	94.34	97.26	101.43	100.06
2009	61.39	61.67	63.35	61.92
2010	78.06	79.50	81.05	79.45
2011	106.18	111.26	113.65	95.04
2012	109.08	111.67	114.21	94.13
2013	105.47	108.66	111.95	97.99
2014	97.07	98.95	101.35	93.28
2015	51.20	52.39	54.41	48.71

Note : 1) 1980-1985 Arabian Light, 1986-2015 Dubai dated.  
2) 1980-1983 Forties, 1984-2015 Brent dated.  
3) 1980-1983 posted WTI prices, 1984-2015 Spot WTI (Cushing) prices.  
Source: BP Statistical Review of World Energy, June 2016.

**2.00 CRUDE OIL RESERVES, ENERGY CONSUMPTION  
AND BIOFUEL PRODUCTION**

2.01 CRUDE OIL RESERVES IN SELECTED COUNTRIES								
(Billion barrels)								
Country	1991	2001	2010	2011	2012	2013	2014	2015
Algeria	9.2	11.3	12.2	12.2	12.2	12.2	12.2	12.2
Angola	1.4	6.5	13.5	10.5	12.7	12.7	12.7	12.7
Australia	3.2	5.0	3.8	3.9	3.9	4.0	4.0	4.0
Brazil	4.8	8.5	14.2	15.0	15.3	15.6	16.2	13.0
Canada	40.1	180.9	175.2	174.6	174.3	172.9	172.2	172.2
China	15.5	15.4	14.8	17.3	18.1	18.5	18.5	18.5
India	6.1	5.5	5.8	5.7	5.7	5.7	5.7	5.7
Indonesia	5.9	5.1	4.2	3.7	3.7	3.7	3.6	3.6
Iran	92.9	99.1	151.2	154.6	157.0	157.8	157.8	157.8
Iraq	100.0	115.0	115.0	143.1	150.0	150.0	143.1	143.1
Kuwait	96.5	96.5	101.5	101.5	101.5	101.5	101.5	101.5
Libya	22.8	36.0	47.1	48.0	48.5	48.4	48.4	48.4
Malaysia	3.7	4.5	5.9	3.7	3.7	3.8	3.6	3.6
Mexico	50.9	18.8	11.7	11.4	11.4	11.1	10.8	10.8
Nigeria	20.0	31.5	37.2	37.2	37.1	37.1	37.1	37.1
Russian Fedn.	N.A.	73.0	86.6	87.1	92.1	105.0	103.2	102.4
Saudi Arabia	260.9	262.7	264.5	265.4	265.9	265.9	267.0	266.6
UAE	98.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8
USA	32.1	30.4	30.9	35.0	44.2	48.5	55.0	55.0
Venezuela	62.6	77.7	296.5	297.6	297.6	298.3	300.0	300.9
<b>World</b>	<b>1,032.7</b>	<b>1,267.4</b>	<b>1,622.1</b>	<b>1,654.1</b>	<b>1,687.3</b>	<b>1,701.0</b>	<b>1,700.0</b>	<b>1,697.6</b>

Source: BP Statistical Review of World Energy, June 2016.

<b>2.02 PRIMARY COMMERCIAL ENERGY CONSUMPTION IN SELECTED COUNTRIES - 2015</b>								
Country	Oil (mmt)	Gas (mtoe)	Oil & Gas (mtoe)	Coal (mtoe)	Nuclear energy (mtoe)	Hydro electricity (mtoe)	Others* (mtoe)	Primary Energy (mtoe)
Brazil	137.3	36.8	174.1	17.4	3.3	81.7	16.3	292.8
% share	(46.9)	(12.6)	(59.5)	(5.9)	(1.1)	(27.9)	(5.6)	(100.0)
Canada	100.3	92.2	192.5	19.8	23.6	86.7	7.3	329.9
% share	(30.4)	(27.9)	(58.4)	(6.0)	(7.2)	(26.3)	(2.2)	(100.0)
China	559.7	177.6	737.3	1,920.4	38.6	254.9	62.7	3,014.0
% share	(18.6)	(5.9)	(24.5)	(63.7)	(1.3)	(8.5)	(2.1)	(100.0)
France	76.1	35.1	111.2	8.7	99.0	12.2	7.9	239.0
% share	(31.8)	(14.7)	(46.5)	(3.6)	(41.4)	(5.1)	(3.3)	(100.0)
Germany	110.2	67.2	177.4	78.3	20.7	4.4	40.0	320.6
% share	(34.4)	(20.9)	(55.3)	(24.4)	(6.4)	(1.4)	(12.5)	(100.0)
India	195.5	45.5	241.0	407.2	8.6	28.1	15.5	700.5
% share	(27.9)	(6.5)	(34.4)	(58.1)	(1.2)	(4.0)	(2.2)	(100.0)
Iran	88.9	172.1	261.0	1.2	0.8	4.1	0.1	267.2
% share	(33.3)	(64.4)	(97.7)	(0.4)	(0.3)	(1.5)	(-)	(100.0)
Japan	189.6	102.1	291.7	119.4	1.0	21.9	14.5	448.5
% share	(42.3)	(22.8)	(65.0)	(26.6)	-	(4.9)	(3.2)	(100.0)
Russian Fedn.	143.0	352.3	495.3	88.7	44.2	38.5	0.1	666.8
% share	(21.4)	(52.8)	(74.3)	(13.3)	(6.6)	(5.8)	(0.01)	(100.0)
S. Arabia	168.1	95.8	263.9	0.1	-	-	-	264.0
% share	(63.7)	(36.3)	(100.0)	(-)	(-)	(-)	(-)	(100.0)
UK	71.6	61.4	133.0	23.4	15.9	1.4	17.4	191.2
% share	(37.5)	(32.1)	(69.6)	(12.2)	(8.3)	(0.8)	(9.1)	(100.0)
USA	851.6	713.6	1,565.2	396.3	189.9	57.4	71.7	2,280.6
% share	(37.3)	(31.3)	(68.6)	(17.4)	(8.3)	(2.5)	(3.1)	(100.0)
<b>World</b>	<b>4,331.3</b>	<b>3,135.2</b>	<b>7,466.5</b>	<b>3,839.9</b>	<b>583.1</b>	<b>892.9</b>	<b>364.9</b>	<b>13,147.3</b>
<b>% share</b>	<b>(32.9)</b>	<b>(23.8)</b>	<b>(56.8)</b>	<b>(29.2)</b>	<b>(4.4)</b>	<b>(6.8)</b>	<b>(2.8)</b>	<b>(100.0)</b>
mmt = million metric tonnes.			* = Renewable energy.					
mtoe = million tonnes oil equivalent.			( ) = Figures in bracket indicate % share to total primary energy.					
Source: <i>BP Statistical Review of World Energy</i> , June 2016.								

2.03 BIOFUEL PRODUCTION IN SELECTED COUNTRIES			
1990, 2000 and 2014			
(000 kt of oil equivalent)			
Continent / Country	1990	2000	2014
<b>Africa</b>			
Egypt	44	57	58
Kenya	43	49	54
Morocco	3	4	2
Senegal	2	5	5
South Africa	69	138	135
Tunisia		6	6
Uganda	1	4	11
Zimbabwe	12	14	8
<b>America</b>			
<b>North &amp; Central America</b>			
Canada		12	225
USA	659	1,583	29,835
<b>South America</b>			
Argentina	74	40	49,086
Brazil	1,033	1,148	2,238
Colombia	67	60	9,285
Chile	1	-	-
Cuba	150	87	29
Mexico	161	204	219
Peru	8	10	259
Uruguay	2	1	302
Venezuela	14	16	28
<b>Asia</b>			
Bangladesh	172	206	235
China Mainland	118	174	266
India	304	510	2,505
Indonesia	59	42	510
Iran	4	13	1
Japan	6	9	8
Korea Rep. of	1	7	8,904
Malaysia	3	3	230
Myanmar	3	26	27
Nepal	11	17	21
Pakistan	49	180	255
Philippines	55	52	2,975
Sri Lanka	1	2	1
Thailand	115	194	13,727
Turkey	15	58	236
Vietnam	12	29	23
(Continued)			

<b>2.03 BIOFUEL PRODUCTION IN SELECTED COUNTRIES (Concluded)</b>			
<b>1990, 2000 and 2014</b>			
(000 kt of oil equivalent)			
Continent / Country	1990	2000	2014
<b>Europe</b>			
Austria		30	2,476
Belarus		6	1,042
Belgium		4	8,506
Bulgaria		1	516
Czech Republic	162	1,817	5,382
Denmark	12	28	2,102
Finland	16	77	7,773
France	211	8,109	53,997
Greece			3,369
Germany	24	30	77,610
Hungary			3,843
Ireland		5	1,871
Italy		5	21,619
Lithuania	7	10	2,431
Netherlands	6	12	10,350
Norway	1	1	1
Poland	-	1	7,194
Portugal	34	29	8,629
Romania		16	330
Slovakia			3,056
Slovenia			514
Spain	37	2,183	22,769
Sweden	216	143	5,563
U.K.	2	52	4,306
<b>Oceania</b>			
Australia	169	225	1,908
Fiji Islands	8	9	4
New Zealand	25	40	70
<b>World Total</b>	<b>3,987</b>	<b>18,110</b>	<b>381,064</b>
* = Population - Estimated and Projection for 2014			
Source: 1. www.fao.org			
2. <i>FAO Statistical Pocketbook</i> , World Food and Agriculture 2015, FAO, Rome.			

**PART III**

**SECTION 3**  
**AGRICULTURAL AND**  
**ALLIED STATISTICS**

## 1.00 LAND USE PATTERN AND IRRIGATION

1.01 LAND USE AND IRRIGATION - CONTINENT-WISE 2000 and 2013 (Provisional)						
(Area in '000 hectares)						
Continent	2000			2013		
	Arable land and land under permanent crops	Irrigated area	% Irrigated area to arable land and land under permanent crops	Arable land and land under permanent crops	Irrigated area	% Irrigated area to arable land and land under permanent crops
(1)	(2)	(3)	(4)=(3/2)	(5)	(6)	(7)=(6/5)
<b>Africa</b>	<b>230,453</b>	<b>13,191</b>	<b>5.72</b>	<b>267,956</b>	<b>15,044</b>	<b>5.61</b>
Eastern Africa	54,889	2,387	4.35	76,996	2,566	3.33
Middle Africa	24,927	160	0.64	29,105	173	0.59
Northern Africa	44,630	8,029	17.99	46,151	9,281	20.11
Southern Africa	15,893	1,559	9.81	14,438	1,733	12.00
Western Africa	90,114	1,055	1.17	101,267	1,292	1.28
<b>Americas</b>	<b>391,083</b>	<b>47,230</b>	<b>12.08</b>	<b>397,484</b>	<b>51,567</b>	<b>12.97</b>
Northern America	230,250	28,145	12.22	205,091	27,210	13.27
Central America	33,105	6,832	20.64	33,324	7,310	21.94
Caribbean	7,139	1,256	17.59	6,602	1,048	15.88
South America	120,589	10,998	9.12	152,468	15,999	10.49
<b>Asia</b>	<b>561,012</b>	<b>198,146</b>	<b>35.32</b>	<b>568,454</b>	<b>229,374</b>	<b>40.35</b>
Central Asia	39,429	9,919	25.16	38,647	10,041	25.98
Eastern Asia	140,451	59,266	42.20	131,924	73,933	56.04
Southern Asia	239,171	95,511	39.93	239,128	107,442	44.93
South-Eastern Asia	95,176	18,949	19.91	114,516	22,791	19.90
Western Asia	46,785	14,501	31.00	44,239	15,166	34.28
<b>Europe</b>	<b>304,250</b>	<b>26,715</b>	<b>8.78</b>	<b>292,457</b>	<b>25,880</b>	<b>8.85</b>
Eastern Europe	205,866	11,688	5.68	198,290	10,458	5.27
Northern Europe	19,990	1,062	5.31	19,807	900	4.54
Southern Europe	43,100	10,182	23.62	39,155	10,571	27.00
Western Europe	35,294	3,783	10.72	35,205	3,951	11.22
<b>Oceania</b>	<b>50,637</b>	<b>2,682</b>	<b>5.30</b>	<b>48,912</b>	<b>3,261</b>	<b>6.67</b>
Australia and New Zealand	49,150	2,669	5.43	47,229	3,246	6.87
Melanesia	1,291	12	0.93	1,505	14	0.93
Micronesia	80	0.1	0.13	77	0.3	0.39
Polynesia	116	1	0.86	101	1	0.99
<b>World</b>	<b>1,537,435</b>	<b>287,965</b>	<b>18.73</b>	<b>1,575,263</b>	<b>325,126</b>	<b>20.64</b>

Source: FAO, Rome.



1.02 AREA AND NUMBER OF AGRICULTURAL HOLDINGS IN SELECTED COUNTRIES				
Continent/Country	Year (Latest available)	Number (‘000)	Area (‘000 hectares)	Average size (hectares)
<b>Africa</b>				
Ethiopia	2001/02	10759	11047	1.0
Libya	2001	177	1810	10.2
Morocco	1997	1496	8732	5.8
Senegal	1998-99	437	1878	4.3
Tanzania	1994/95	3872	10764	2.8
Togo	1996	430	842	2.0
Uganda	1991	1705	3683	2.2
<b>North and Central America</b>				
Canada	2001	247	67504	273.4
Mexico	1991	4438	183839	41.4
USA	2002	2129	379712	178.4
<b>South America</b>				
Argentina	2002	296	172106	582.4
Brazil	1996	4860	353611	72.8
Chile	1997	317	26502	83.7
Peru	1994	1756	35382	20.1
Uruguay	2000	57	16420	287.6
<b>Asia</b>				
India	2010/11	138348	159592	1.2
Iran	1993	3603	15459	4.3
Japan	2000	3120	3734	1.2
Korea Rep.	2000	1769	1857	1.0
Myanmar	1993	2925	6887	2.4
Nepal	2002	3364	2654	0.8
Pakistan	2000	6620	20438	3.1
Philippines	2002	4501	9190	2.0
Thailand	2003	5793	18314	3.2
Turkey	2001	3077	18435	6.0
<b>Europe</b>				
Austria	2010	154	2997	19.5
Belgium	2002	57	1393	24.4
Denmark	2010	41	2648	64.6
Finland	2010	64	2292	35.9
France	2010	515	27090	52.6
Ireland	2000	142	4443	31.3
Italy	2010	1630	12885	7.9
Luxembourg	2001	3	138	46.0
Netherlands	2010	72	1873	26.0
Norway	2010	47	1006	21.6
Portugal	2007	305	3668	12.0
Spain	2007	989	23753	24.0
Switzerland	1990	108	1283	11.9
<b>Oceania</b>				
Australia	2001	141	455723	3232.1
Fiji	1991	95	591	6.2
New Zealand	2002	70	15640	223.4

Source : 1. FAO, Rome.

2. Eurostat Press Office, <http://ec.europa.eu/eurostat>

**1.03 LAND USE AND IRRIGATION IN SELECTED COUNTRIES**  
**2013 (Provisional)**

('000 hectares)

Continent/ Country	Total area	Land area	Agricultural Land	Arable land	Land under permanent crops	Arable land and land under permanent crops	Non-arable and permanent meadows and pastures	Irrigated area *	Irrigated area to arable land and land under permanent crops (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)= (5+6)	(8)= (3-7)	(9)	(10)=(9/7)
<b>Africa</b>									
Algeria	238,174	238,174	41,432	7,496	939	8,435	229,739	1,250	14.82
Egypt	100,145	99,545	3,761	2,738	1,023	3,761	95,784	3,700	98.38
Kenya	58,037	56,914	27,630	5,800	530	6,330	50,584	151	2.38
Libya	175,954	175,954	15,335	1,720	335	2,055	173,899	470	22.87
Morocco	44,655	44,630	30,401	8,045	1,356	9,401	35,229	1,530	16.27
Nigeria	92,377	91,077	70,800	34,000	6,500	40,500	50,577	293	0.72
Senegal	19,671	19,253	8,918	3,250	68	3,318	15,935	120	3.62
South Africa	121,909	121,309	96,841	12,500	413	12,913	108,396	1,670	12.93
Togo	5,679	5,439	3,820	2,650	170	2,820	2,619	7	0.25
Tunisia	16,361	15,536	9,943	2,853	2,276	5,129	10,407	476	9.28
Uganda	24,155	20,052	14,415	6,900	2,200	9,100	10,952	11	0.12
Zambia	75,261	74,339	23,736	3,700	36	3,736	70,603	156	4.18
Zimbabwe	39,076	38,685	16,200	4,000	100	4,100	34,585	174	4.24
<b>N.C. America</b>									
Canada	998,467	909,351	65,251	45,915	4,736	50,651	858,700	1,110	2.19
USA	983,151	914,742	405,437	151,837	2,600	154,437	760,305	26,100	16.90
<b>South America</b>									
Argentina	278,040	273,669	149,199	39,699	1,000	40,699	232,970	2,360	5.80
Brazil	851,577	835,814	278,808	76,008	6,800	82,808	753,006	5,400	6.52
Chile	75,610	74,353	15,781	1,309	457	1,766	72,587	1,110	62.85
Cuba	10,988	10,645	6,342	3,156	421	3,577	7,068	560	15.66
Mexico	196,438	194,395	106,705	22,975	2,693	25,668	168,727	6,500	25.32
Peru	128,522	128,000	24,334	4,155	1,379	5,534	122,466	2,600	46.98
Uruguay	17,622	17,502	14,363	2,324	39	2,363	15,139	238	10.07
Venezuela (Bolovarian Rep. of)	91,205	88,205	21,600	2,700	700	3,400	84,805	1,055	31.03
<b>Asia</b>									
Afghanistan	65,286	65,286	37,910	7,785	125	7,910	57,376	3,208	40.56
Bangladesh	14,846	13,017	9,108	7,678	830	8,508	4,509	5,500	64.65
Bhutan	3,839	3,812	520	100	12	113	3,699	32	28.42
China, Mainland	956,291	938,821	514,553	105,720	16,000	121,720	817,101	68,765	56.49
India	328,726	297,319	180,280	157,000	13,000	170,000	127,319	67,000	39.41
Indonesia	191,093	181,157	57,000	23,500	22,500	46,000	135,157	6,722	14.61
Iran	174,515	162,855	46,161	14,878	1,806	16,684	146,171	9,600	57.54
Iraq	43,524	43,432	9,230	5,000	230	5,230	38,202	3,525	67.40
Israel	2,207	2,164	520	286	95	380	1,784	225	59.16

(Continued)

**1.03 LAND USE AND IRRIGATION IN SELECTED COUNTRIES (Continued)**  
**2013 (Provisional)**

('000 hectares)

Continent/ Country	Total area	Land area	Agricultural Land	Arable land	Land under permanent crops	Arable land and land under permanent crops	Non-arable and permanent meadows and pastures	Irrigated area *	Irrigated area to arable land and land under permanent crops(%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)= (5+6)	(8)= (3-7)	(9)	(10)=(9/7)
Japan	37,796	36,456	4,537	4,237	300	4,537	31,919	2,465	54.33
Jordan	8,932	8,878	1,057	231	84	315	8,563	96	30.64
Kazakhstan	272,490	269,970	216,994	29,395	132	29,526	240,444	2,066	7.00
Korea Rep	10,027	9,747	1,769	1,496	215	1,711	8,036	777	45.43
Kyrgyzstan	19,995	19,180	10,586	1,276	75	1,351	17,829	1,023	75.76
Laos	23,680	23,080	2,335	1,489	169	1,658	21,422	310	18.70
Malaysia	33,080	32,855	7,839	954	6,600	7,554	25,301	380	5.03
Myanmar	67,659	65,308	12,587	10,772	1,509	12,281	53,027	2,295	18.69
Nepal	14,718	14,335	4,121	2,114	212	2,326	12,009	1,332	57.26
Oman	30,950	30,950	1,469	38	31	69	30,882	59	86.13
Pakistan	79,610	77,088	36,280	30,470	810	31,280	45,808	20,200	64.58
Philippines	30,000	29,817	12,440	5,590	5,350	10,940	18,877	1,679	15.35
Saudi Arabia	214,969	214,969	173,295	3,068	227	3,295	211,674	1,620	49.17
Sri Lanka	6,561	6,271	2,740	1,300	1,000	2,300	3,971	570	24.78
Syria	18,518	18,363	13,921	4,662	1,071	5,733	12,630	1,310	22.85
Thailand	51,312	51,089	22,110	16,810	4,500	21,310	29,779	6,415	30.10
Turkey	78,356	76,963	38,423	20,574	3,232	23,806	53,157	5,215	21.91
Turkmenistan	48,810	46,993	33,838	1,940	60	2,000	44,993	1,995	99.75
Viet Nam	33,097	31,007	10,874	6,410	3,822	10,232	20,775	4,600	44.96
<b>Europe</b>									
Austria	8,388	8,253	3,154	1,354	65	1,419	6,834	120	8.45
Belarus	20,760	20,291	8,726	5,573	120	5,693	14,598	114	2.00
Bulgaria	11,100	10,856	4,995	3,479	135	3,614	7,242	102	2.82
Denmark	4,309	4,243	2,609	2,408	6	2,414	1,829	435	18.02
Finland	33,842	30,389	2,259	2,224	3	2,228	28,162	102	4.57
France	54,909	54,756	28,774	18,306	997	19,302	35,454	2,600	13.47
Germany	35,717	34,854	16,697	11,876	200	12,076	22,778	650	5.38
Hungary	9,303	9,053	5,340	4,403	178	4,581	4,472	187	4.09
Italy	30,134	29,414	13,630	6,827	2,260	9,087	20,327	3,950	43.47
Netherlands	4,150	3,367	1,848	1,038	36	1,075	2,293	499	46.44
Norway	38,518	36,525	987	806	5	811	35,714	90	11.09
Poland	31,268	30,621	14,410	10,792	412	11,204	19,417	97	0.87
Portugal	9,222	9,160	3,642	1,116	709	1,825	7,335	551	30.21

(Continued)

**1.03 LAND USE AND IRRIGATION IN SELECTED COUNTRIES (Concluded)**  
**2013 (Provisional)**

('000 hectares)

Continent/ Country	Total area	Land area	Agricultural Land	Arable land	Land under permanent crops	Arable land and land under permanent crops	Non-arable and permanent meadows and pastures	Irrigated area *	Irrigated area to arable land and land under permanent crops(%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)= (5+6)	(8)= (3-7)	(9)	(10)=(9/7)
Romania	23,839	23,003	13,905	8,746	442	9,188	13,815	3,149	34.27
Russian Fed	1,709,825	1,637,687	216,840	122,240	1,600	123,840	1,513,847	4,300	3.47
Spain	50,594	50,021	26,942	12,570	4,969	17,539	32,482	3,923	22.37
Sweden	44,742	40,734	3,048	2,596	9	2,605	38,129	164	6.30
Switzerland	4,129	3,952	1,526	404	25	428	3,523	63	14.71
UK	24,361	24,193	17,250	6,265	45	6,310	17,883	99	1.57
Ukraine	60,355	57,932	41,275	32,526	894	33,419	24,513	2,169	6.49
<b>Oceania</b>									
Australia	774,122	768,230	396,615	46,219	392	46,611	721,619	2,546	5.46
New Zealand	26,771	26,331	11,106	547	71	618	25,713	700	113.27
<b>WORLD</b>	<b>13,466,592</b>	<b>13,009,337</b>	<b>4,928,929</b>	<b>1,407,843</b>	<b>164,661</b>	<b>1,575,263</b>	<b>11,434,074</b>	<b>325,126</b>	<b>20.64</b>

\* = Area equipped for irrigation.

Note :1. Land area = Total area excluding area under inland water bodies such as major rivers, lakes etc.

2. Arable land = Land under temporary crops (double-cropped areas are counted only once), temporary meadows for mowing or pasture, land under market or kitchen gardens and land temporarily fallow (less than 5 years). The abandoned land resulting from shifting cultivation is not included in this category.

3. Land under permanent crops = Land cultivated with crops that occupy the land for long periods and need not be replanted after each harvest, such as cocoa, coffee and rubber, this category includes land under flowering shrubs, fruit trees, nut trees and vines but excludes land under trees grown for wood or timber.

4. All other land = Any other land not specifically listed e.g. permanent meadows and pastures, forests and woodland, built-on areas, roads, barren land etc.

Source : FAO, Rome.

1.04 PATTERN OF LAND UTILISATION AND FERTILISER CONSUMPTION IN SELECTED COUNTRIES 2013 (Provisional)								
Sl. No.	Country	Total geographical area (`000 Ha)	Arable land and land under permanent crops (`000 Ha)	Arable land (`000 Ha)	Land under permanent crops (`000 Ha)	Area under (`000 Ha)		Irrigated area (`000 Ha)
						Paddy *	Wheat *	
< ----- '000 hectares ----- >								
1	Argentina	278,040	40,699	39,699	1,000	233	3,452	2,360
2	Australia	774,122	46,611	46,219	392	114	12,979	2,546
3	Bangladesh	14,846	8,508	7,678	830	11,770	416	5,500
4	Belarus	20,760	5,693	5,573	120	-	686	114
5	Brazil	851,577	82,808	76,008	6,800	2,353	2,087	5,400
6	Canada	998,467	50,651	45,915	4,736	-	10,442	1,110
7	China, Mainland	956,291	121,720	105,720	16,000	30,312	24,117	68,765
8	Egypt	100,145	3,761	2,738	1,023	597	1,419	3,700
9	France	54,909	19,302	18,306	997	20	5,323	2,600
10	Germany	35,717	12,076	11,876	200	-	3,128	650
11	India	328,726	170,000	157,000	13,000	43,950	29,650	67,000
12	Indonesia	191,093	46,000	23,500	22,500	13,835	-	6,722
13	Japan	37,796	4,537	4,237	300	1,599	210	2,465
14	Korea Rep.	10,027	1,711	1,496	215	833	7	777
15	Mexico	196,438	25,668	22,975	2,693	33	634	6,500
16	Nepal	14,718	2,326	2,114	212	1,421	754	1,332
17	Pakistan	79,610	31,280	30,470	810	2,789	8,687	20,200
18	Philippines	30,000	10,940	5,590	5,350	4,746	-	1,679
19	Russian Fed.	1,709,825	123,840	122,240	1,600	189	23,371	4,300
20	Sri Lanka	6,561	2,300	1,300	1,000	1,188	-	570
21	Thailand	51,312	21,310	16,810	4,500	11,684	1	6,415
22	Ukraine	60,355	33,419	32,526	894	24	6,566	2,169
23	UK	24,361	6,310	6,265	45	-	1,615	99
24	USA	983,151	154,437	151,837	2,600	999	18,274	26,100
	<b>World</b>	<b>13,466,592</b>	<b>1,575,263</b>	<b>1,407,843</b>	<b>164,661</b>	<b>164,093</b>	<b>218,423</b>	<b>325,126</b>

\* = For area under Paddy and Wheat for 2014, please refer to tab 2.02 and 2.03.

(Continued)

1.04 PATTERN OF LAND UTILISATION AND FERTILISER CONSUMPTION IN SELECTED COUNTRIES (Concluded) 2013 (Provisional)							
Sl. No.	Country	Share to Arable land and land under permanent crops					Fertiliser consumption (N+P+K) per hectare of arable land and land under permanent crops
		Arable land	Land under permanent crops	Paddy	Wheat	Irrigation	
<----- per cent ----->							(kg.)
1	Argentina	97.54	2.46	0.57	8.48	5.80	35.1
2	Australia	99.16	0.84	0.24	27.85	5.46	50.3
3	Bangladesh	90.24	9.76	138.34	4.89	64.65	229.8
4	Belarus	97.89	2.11	-	12.06	2.00	250.3
5	Brazil	91.79	8.21	2.84	2.52	6.52	162.3
6	Canada	90.65	9.35	-	20.61	2.19	73.5
7	China, Mainland	86.86	13.14	24.90	19.81	56.49	421.3
8	Egypt	72.80	27.20	15.88	37.72	98.38	360.5
9	France	94.84	5.16	0.11	27.58	13.47	159.8
10	Germany	98.34	1.66	-	25.90	5.38	200.2
11	India	92.35	7.65	25.85	17.44	39.41	144.0 (125.9)
12	Indonesia	51.09	48.91	30.08	-	14.61	117.5
13	Japan	93.39	6.61	35.24	4.63	54.33	228.7
14	Korea Rep.	87.42	12.58	48.66	0.43	45.43	275.9
15	Mexico	89.51	10.49	0.13	2.47	25.32	70.5
16	Nepal	90.87	9.13	61.06	32.42	57.26	49.5
17	Pakistan	97.41	2.59	8.92	27.77	64.58	132.2
18	Philippines	51.10	48.90	43.38	-	15.35	76.8
19	Russian Fed.	98.71	1.29	0.15	18.87	3.47	15.0
20	Sri Lanka	56.52	43.48	51.66	-	24.78	142.4
21	Thailand	78.88	21.12	54.83	0.01	30.10	119.5
22	Ukraine	97.33	2.67	0.07	19.65	6.49	44.6
23	UK	99.29	0.71	-	25.59	1.57	244.5
24	USA	98.32	1.68	0.65	11.83	16.90	138.8
	<b>World</b>	<b>89.37</b>	<b>10.45</b>	<b>10.42</b>	<b>13.87</b>	<b>20.64</b>	<b>115.3</b>

( ) = Fertiliser consumption per hectare of gross cropped area.  
Source: [www.fao.org](http://www.fao.org).

## 2.00 AREA, PRODUCTION AND YIELD OF PRINCIPAL CROPS

2.01 AREA, PRODUCTION AND YIELD PER HECTARE OF CEREALS AND PULSES IN MAJOR PRODUCING COUNTRIES 2013 and 2014 (Provisional)						
Country	Area ('000 hectares)					
	2013			2014		
	Cereals	Pulses	Total	Cereals	Pulses	Total
<b>Africa</b>						
Egypt	3,315	86	3,401	3,078	83	3,161
Morocco	5,400	407	5,807	4,769	386	5,156
Nigeria	15,874	3,733	19,607	16,207	3,841	20,048
South Africa	3,993	65	4,058	3,998	65	4,063
<b>America</b>						
<b>N. &amp; C. America</b>						
Canada	15,938	2,555	18,493	13,981	2,870	16,850
USA	59,473	1,100	60,573	57,996	1,236	59,232
<b>South America</b>						
Argentina	10,962	246	11,208	12,186	351	12,536
Brazil	20,906	2,838	23,744	21,851	3,209	25,060
Chile	579	36	615	568	29	596
Mexico	9,806	1,911	11,718	10,198	1,835	12,033
<b>Asia</b>						
Bangladesh	12,451	282	12,733	12,499	266	12,766
China, Mainland	93,845	2,892	96,736	94,694	2,906	97,600
India	99,190	28,170	127,360	98,618	30,532	129,150
Indonesia	17,657	184	17,841	17,634	187	17,821
Israel	82	7	89	81	5	85
Japan	1,931	42	1,973	1,908	42	1,950
Korea, Dem. Rep.	1,307	360	1,667	1,283	367	1,650
Korea, Rep. of	897	16	913	884	15	899
Malaysia	681	-	681	699	-	699
Nepal	3,339	297	3,636	3,480	292	3,773
Pakistan	13,390	1,415	14,805	13,870	1,432	15,302
Philippines	7,310	82	7,392	7,351	82	7,433
Sri Lanka	1,262	20	1,282	955	21	976
Thailand	13,062	244	13,306	12,194	239	12,433
Turkey	11,507	892	12,399	11,553	795	12,348
<b>Europe</b>						
Belarus	2,405	157	2,562	2,428	181	2,610
Belgium	336	1	337	335	1	337
Denmark	1,444	7	1,451	1,451	8	1,459
France	9,534	217	9,751	9,633	231	9,864
Germany	6,526	76	6,602	6,461	87	6,548
Italy	3,460	83	3,543	3,393	82	3,474
Netherlands	203	3	206	187	3	190
Poland	7,479	171	7,650	7,485	237	7,722
Portugal	302	28	330	305	27	332
Russian Fedn.	40,344	1,777	42,121	42,221	1,599	43,821
Spain	6,183	315	6,497	6,259	328	6,587
Sweden	973	13	986	1,023	15	1,038
Ukraine	15,550	256	15,805	14,401	225	14,626
United Kingdom	3,029	147	3,176	3,180	146	3,325
<b>Oceania</b>						
Australia	17,871	1,918	19,789	17,973	2,181	20,154
New Zealand	136	8	144	137	8	145
<b>World</b>	<b>719,161</b>	<b>82,548</b>	<b>801,709</b>	<b>720,669</b>	<b>85,627</b>	<b>806,297</b>

(Continued)

2.01 AREA, PRODUCTION AND YIELD PER HECTARE OF CEREALS AND PULSES IN MAJOR PRODUCING COUNTRIES 2013 and 2014 (Provisional) (Continued)						
Country	Production ('000 tonnes)					
	2013			2014		
	Cereals	Pulses	Total	Cereals	Pulses	Total
<b>Africa</b>						
Egypt	24,122	268	24,390	22,047	274	22,321
Morocco	9,874	298	10,172	6,936	322	7,258
Nigeria	19,626	4,695	24,320	25,830	2,200	28,030
South Africa	14,873	72	14,945	17,275	74	17,349
<b>America</b>						
<b>N.C. America</b>						
Canada	66,405	6,509	72,914	51,301	5,828	57,129
USA	436,554	2,241	438,795	442,933	2,403	445,335
<b>South America</b>						
Argentina	51,793	222	52,014	55,506	334	55,841
Brazil	100,902	2,904	103,805	101,398	3,306	104,704
Chile	4,004	63	4,067	3,479	37	3,515
Mexico	33,210	1,658	34,868	36,527	1,607	38,134
<b>Asia</b>						
Bangladesh	54,253	268	54,521	55,070	261	55,331
China, Mainland	552,692	4,476	557,168	557,407	4,503	561,910
India	293,940	18,311	312,251	293,993	19,980	313,973
Indonesia	89,792	206	89,998	89,855	211	90,066
Israel	310	27	337	359	14	373
Japan	11,787	85	11,871	11,603	99	11,701
Korea, Dem. Rep.	5,233	310	5,543	5,525	316	5,841
Korea, Rep. of	5,810	19	5,829	5,852	19	5,872
Malaysia	2,690	-	2,690	2,732	-	2,732
Nepal	8,580	314	8,894	9,563	310	9,873
Pakistan	36,450	1,042	37,491	38,106	1,032	39,138
Philippines	25,817	68	25,885	26,739	68	26,807
Sri Lanka	4,837	25	4,863	3,629	27	3,657
Thailand	42,040	220	42,260	37,837	221	38,058
Turkey	37,475	1,257	38,732	32,708	1,097	33,805
<b>Europe</b>						
Belarus	7,233	367	7,600	9,034	530	9,564
Belgium	3,097	5	3,102	3,198	4	3,202
Denmark	9,120	25	9,144	9,583	33	9,616
France	67,496	789	68,285	72,839	842	73,681
Germany	47,757	229	47,986	52,010	292	52,302
Italy	18,215	145	18,360	19,368	144	19,512
Netherlands	1,756	10	1,765	1,701	10	1,711
Poland	28,455	376	28,831	31,945	544	32,489
Portugal	1,240	23	1,263	1,355	23	1,378
Russian Fedn.	90,382	2,137	92,520	103,154	2,316	105,470
Spain	25,234	409	25,643	20,361	356	20,717
Sweden	4,985	42	5,027	5,778	47	5,826
Ukraine	62,686	372	63,058	63,377	481	63,858
United Kingdom	20,084	496	20,580	24,505	541	25,046
<b>Oceania</b>						
Australia	35,598	2,704	38,302	38,412	3,070	41,483
New Zealand	1,107	26	1,133	1,104	24	1,128
<b>World</b>	<b>2,765,851</b>	<b>77,670</b>	<b>2,843,521</b>	<b>2,817,330</b>	<b>77,599</b>	<b>2,894,929</b>
Note : Production and yield of cereals include paddy and other cereals						(Continued)



2.01 AREA, PRODUCTION AND YIELD PER HECTARE OF CEREALS AND PULSES IN MAJOR PRODUCING COUNTRIES 2013 and 2014 (Provisional) (Concluded)						
Country	Yield (Kg/hectare)					
	2013			2014		
	Cereals	Pulses	Total	Cereals	Pulses	Total
<b>Africa</b>						
Egypt	7,276	3,123	7,171	7,162	3,308	7,061
Morocco	1,828	733	1,752	1,454	832	1,408
Nigeria	1,236	1,258	1,240	1,594	573	1,398
South Africa	3,725	1,114	3,683	4,320	1,149	4,270
<b>America</b>						
<b>N.C. America</b>						
Canada	4,167	2,548	3,943	3,670	2,031	3,390
USA	7,340	2,038	7,244	7,637	1,943	7,519
<b>South America</b>						
Argentina	4,725	903	4,641	4,555	954	4,454
Brazil	4,826	1,023	4,372	4,641	1,030	4,178
Chile	6,913	1,771	6,614	6,128	1,269	5,894
Mexico	3,387	867	2,976	3,582	876	3,169
<b>Asia</b>						
Bangladesh	4,357	950	4,282	4,406	979	4,334
China, Mainland	5,889	1,548	5,760	5,886	1,550	5,757
India	2,963	650	2,452	2,981	654	2,431
Indonesia	5,085	1,118	5,044	5,096	1,130	5,054
Israel	3,793	3,793	3,793	4,448	3,018	4,373
Japan	6,105	2,013	6,018	6,080	2,350	6,000
Korea, Dem. Rep.	4,006	861	3,326	4,308	861	3,541
Korea, Rep. of	6,480	1,166	6,386	6,619	1,331	6,534
Malaysia	3,948	--	3,948	3,906	--	3,905
Nepal	2,570	1,056	2,446	2,748	1,062	2,617
Pakistan	2,722	736	2,532	2,747	721	2,558
Philippines	3,532	825	3,502	3,637	831	3,606
Sri Lanka	3,834	1,272	3,794	3,801	1,298	3,748
Thailand	3,219	902	3,176	3,103	928	3,061
Turkey	3,257	1,410	3,124	2,831	1,381	2,738
<b>Europe</b>						
Belarus	3,008	2,338	2,967	3,721	2,923	3,665
Belgium	9,213	4,224	9,197	9,539	3,206	9,513
Denmark	6,315	3,405	6,301	6,605	3,952	6,590
France	7,079	3,638	7,003	7,561	3,653	7,470
Germany	7,318	3,019	7,269	8,050	3,335	7,987
Italy	5,265	1,757	5,183	5,709	1,763	5,616
Netherlands	8,630	3,441	8,559	9,074	3,510	8,988
Poland	3,804	2,200	3,769	4,268	2,297	4,208
Portugal	4,111	829	3,833	4,438	835	4,146
Russian Fedn.	2,240	1,203	2,197	2,443	1,448	2,407
Spain	4,081	1,301	3,947	3,253	1,086	3,145
Sweden	5,123	3,229	5,099	5,650	3,136	5,613
Ukraine	4,031	1,453	3,990	4,401	2,137	4,366
United Kingdom	6,630	3,374	6,479	7,707	3,717	7,533
<b>Oceania</b>						
Australia	1,992	1,410	1,936	2,137	1,408	2,058
New Zealand	8,131	3,157	7,845	8,054	3,075	7,787
<b>World</b>	<b>3,846</b>	<b>941</b>	<b>3,547</b>	<b>3,909</b>	<b>906</b>	<b>3,590</b>
Note : Production and yield of cereals include paddy and other cereals						
Source : Compiled from the data presented in www.fao.org.						

2.02 AREA, PRODUCTION AND YIELD PER HECTARE OF PADDY IN MAJOR PRODUCING COUNTRIES 1970 to 2014 (Provisional)										
Country	A/P/Y	1970	1980	1990	2000	2010	2011	2012	2013	2014
Bangladesh	A	9,913	10,309	10,435	10,801	11,529	11,528	11,423	11,770	11,820
	P	16,715	20,821	26,778	37,628	50,061	50,627	50,497	51,500	52,231
	Y	1,686	2,020	2,566	3,484	4,342	4,392	4,421	4,376	4,419
Brazil	A	4,979	6,243	3,947	3,655	2,722	2,753	2,413	2,353	2,341
	P	7,553	9,776	7,421	11,090	11,236	13,477	11,550	11,783	12,176
	Y	1,517	1,566	1,880	3,034	4,127	4,896	4,786	5,007	5,201
China, Mainland	A	32,326	33,845	33,065	29,962	29,873	30,057	30,297	30,312	30,600
	P	109,990	139,910	189,331	187,908	195,761	201,001	204,285	203,612	206,507
	Y	3,403	4,134	5,726	6,272	6,553	6,687	6,743	6,717	6,749
Egypt	A	480	408	436	659	460	593	620	597	630
	P	2,604	2,382	3,167	6,000	4,330	5,675	5,911	5,724	6,000
	Y	5,425	5,833	7,266	9,103	9,422	9,567	9,530	9,587	9,530
India*	A	37,592	40,152	42,687	44,712	42,862	43,970	42,410	43,950	43,400
	P	63,338	80,312	111,517	127,465	143,963	157,900	157,800	159,200	157,200
	Y	1,685	2,000	2,613	2,851	3,359	3,591	3,721	3,622	3,622
Indonesia	A	8,135	9,005	10,502	11,793	13,254	13,201	13,446	13,835	13,797
	P	19,331	29,652	45,179	51,898	66,469	65,741	69,056	71,280	70,847
	Y	2,376	3,293	4,302	4,401	5,015	4,980	5,136	5,152	5,135
Italy	A	173	176	214	220	248	247	247	216	220
	P	819	968	1,291	1,230	1,516	1,490	1,583	1,433	1,386
	Y	4,733	5,496	6,028	5,581	6,122	6,045	6,420	6,634	6,315
Japan	A	2,927	2,377	2,074	1,770	1,628	1,576	1,581	1,599	1,575
	P	16,493	12,189	13,124	11,863	10,604	10,500	10,654	10,758	10,549
	Y	5,635	5,128	6,328	6,702	6,514	6,662	6,739	6,728	6,698
Korea, Demo Rep. of	A	530	650	600	535	570	571	563	547	500
	P	2,328	2,646	1,800	1,690	2,426	2,479	2,861	2,901	2,626
	Y	4,392	4,071	3,000	3,159	4,256	4,342	5,082	5,304	5,252
Myanmar	A	4,809	4,801	4,760	6,302	8,012	7,567	8,150	6,872	6,790
	P	8,162	13,317	13,972	21,324	32,580	29,010	28,080	26,372	26,423
	Y	1,697	2,774	2,935	3,383	4,067	3,834	3,445	3,837	3,892
Pakistan	A	1,503	1,933	2,113	2,377	2,365	2,571	2,309	2,789	2,891
	P	3,298	4,685	4,891	7,204	7,235	9,194	5,536	6,798	7,005
	Y	2,194	2,424	2,315	3,031	3,059	3,576	2,398	2,437	2,423
Philippines	A	3,195	3,459	3,319	4,038	4,354	4,537	4,690	4,746	4,740
	P	5,578	7,646	9,885	12,389	15,772	16,684	18,032	18,439	18,968
	Y	1,746	2,211	2,979	3,068	3,622	3,678	3,845	3,885	4,002
Spain	A	64	68	90	117	122	122	114	113	110
	P	382	433	571	827	928	928	881	852	864
	Y	5,949	6,333	6,321	7,066	7,594	7,580	7,756	7,522	7,851
Thailand	A	6,854	9,200	8,792	9,891	11,932	11,650	12,279	11,684	10,835
	P	13,850	17,368	17,193	25,844	34,409	36,128	37,469	36,762	32,620
	Y	2,021	1,888	1,956	2,613	2,884	3,101	3,052	3,146	3,011
Russian Fedrn.	A	-	-	-	168	201	207	192	189	196
	P	-	-	-	586	1,061	1,056	1,052	935	1,049
	Y	3,943	3,621	3,122	3,495	5,280	5,094	5,490	4,947	5,362
U.S.A.	A	734	1,340	1,142	1,230	1,463	1,059	1,084	999	1,181
	P	3,801	6,629	7,080	8,658	11,027	8,389	9,051	8,613	10,026
	Y	5,176	4,946	6,198	7,040	7,538	7,921	8,349	8,624	8,487
Vietnam	A	4,724	5,600	6,043	7,666	7,489	7,655	7,753	7,903	7,816
	P	10,173	11,647	19,225	32,530	40,006	42,398	43,662	44,040	44,974
	Y	2,153	2,080	3,182	4,243	5,342	5,538	5,632	5,573	5,754
<b>World</b>	<b>A</b>	<b>132,873</b>	<b>144,412</b>	<b>146,960</b>	<b>154,060</b>	<b>161,189</b>	<b>162,800</b>	<b>162,937</b>	<b>164,093</b>	<b>163,247</b>
	<b>P</b>	<b>316,346</b>	<b>396,871</b>	<b>518,569</b>	<b>599,355</b>	<b>701,999</b>	<b>726,122</b>	<b>734,906</b>	<b>738,089</b>	<b>740,956</b>
	<b>Y</b>	<b>2,381</b>	<b>2,748</b>	<b>3,529</b>	<b>3,890</b>	<b>4,355</b>	<b>4,460</b>	<b>4,510</b>	<b>4,498</b>	<b>4,539</b>

\* Please refer part II for production and yield figures of rice in respect of India.  
Note : Rice(cleaned ) production = 2/3rd of paddy production.  
Source: 1. Various issues of "FAO Production Year Book", FAO, Rome.  
2. Compiled from the data presented in www.fao.org.

A=Area in '000 hectares  
P=Production in '000 tonnes  
Y=Yield in kg/hectare

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<b>2.03 AREA, PRODUCTION AND YIELD PER HECTARE OF WHEAT IN MAJOR PRODUCING COUNTRIES 1970 to 2014 (Provisional)</b>										
Country	A/P/Y	1970	1980	1990	2000	2010	2011	2012	2013	2014
Argentina	A	3,701	5,113	5,817	6,476	4,373	4,494	3,019	3,452	4,957
	P	4,920	7,975	11,037	16,147	15,876	14,501	8,025	9,188	13,930
	Y	1,329	1,560	1,897	2,493	3,630	3,226	2,658	2,662	2,810
Australia	A	6,478	11,283	9,218	12,141	13,507	13,400	13,902	12,979	12,613
	P	7,890	10,856	15,066	22,108	22,138	27,410	29,905	22,856	25,303
	Y	1,218	962	1,634	1,821	1,639	2,046	2,151	1,761	2,006
Bangladesh	A	120	433	592	832	376	374	358	416	410
	P	105	823	890	1,840	901	972	995	1,255	1,302
	Y	874	1,899	1,503	2,210	2,396	2,601	2,779	3,014	3,176
Canada	A	5,052	11,208	14,098	10,855	8,269	8,544	9,497	10,442	9,462
	P	9,024	19,292	32,098	26,536	23,167	25,261	27,205	37,530	29,281
	Y	1,786	1,721	2,277	2,445	2,802	2,957	2,865	3,594	3,095
China, Mainland	A	25,433	29,190	30,753	26,653	24,256	24,270	24,139	24,117	25,000
	P	29,185	55,210	98,229	99,636	115,181	117,410	120,580	121,926	126,208
	Y	1,148	1,891	3,194	3,738	4,749	4,838	4,995	5,056	5,048
Egypt	A	551	557	821	1,035	1,288	1,285	1,336	1,419	1,425
	P	1,519	1,736	4,268	6,564	7,177	8,407	8,795	9,460	9,280
	Y	2,756	3,118	5,197	6,342	5,574	6,543	6,582	6,668	6,512
France	A	3,696	4,590	5,147	5,248	5,931	5,825	5,303	5,323	5,297
	P	12,649	23,781	33,346	37,353	38,207	35,994	40,301	38,614	38,967
	Y	3,422	5,181	6,479	7,117	6,442	6,179	7,599	7,254	7,357
India	A	16,626	22,172	23,502	27,486	28,457	29,069	29,860	29,650	31,188
	P	20,093	31,830	49,850	76,369	80,804	86,874	94,880	93,510	94,483
	Y	1,209	1,436	2,121	2,779	2,839	2,989	3,178	3,154	3,030
Iraq	A	1,400	1,374	1,181	1,200	1,383	1,437	1,266	1,811	1,655
	P	1,236	976	1,196	384	2,749	2,809	3,062	4,178	3,800
	Y	883	710	1,013	320	1,987	1,955	2,418	2,307	2,296
Italy	A	4,138	3,408	2,773	2,323	1,830	1,733	1,880	1,902	1,874
	P	9,689	9,156	8,109	7,464	6,850	6,642	7,767	7,312	7,142
	Y	2,341	2,687	2,924	3,213	3,742	3,833	4,132	3,844	3,811
Pakistan	A	6,229	6,924	7,845	8,463	9,132	8,901	8,650	8,687	9,199
	P	7,294	10,857	14,316	21,079	23,311	25,214	23,473	24,211	25,979
	Y	1,171	1,568	1,825	2,491	2,553	2,833	2,714	2,787	2,824
Romania	A	2,321	2,244	2,253	1,928	2,153	1,946	1,992	2,097	2,108
	P	3,356	6,264	7,289	4,456	5,812	7,132	5,298	7,296	7,585
	Y	1,446	2,791	3,235	2,311	2,700	3,665	2,659	3,479	3,598
Russian Fedrn.	A	-	-	-	21,346	21,640	24,836	21,278	23,371	23,908
	P	-	-	-	34,455	41,508	56,240	37,720	52,091	59,711
	Y	1,616	1,474	2,046	1,614	1,918	2,265	1,773	2,229	2,498
Spain	A	3,757	2,699	2,007	2,353	1,948	1,995	1,759	2,122	2,171
	P	4,062	6,040	4,774	7,294	5,941	6,877	4,650	7,603	6,471
	Y	1,081	2,238	2,379	3,100	3,050	3,448	2,644	3,583	2,981
Syrian Arab Republic	A	1,341	1,449	1,341	1,679	1,599	1,521	1,603	1,374	1,288
	P	625	2,226	2,070	3,105	3,083	3,858	3,609	3,182	2,024
	Y	466	1,536	1,544	1,850	1,928	2,537	2,252	2,316	1,572
Turkey	A	8,616	8,956	9,432	9,400	8,103	8,096	7,530	7,750	7,821
	P	10,081	16,554	20,022	21,009	19,674	21,800	20,100	22,050	19,000
	Y	1,170	1,848	2,123	2,235	2,428	2,693	2,670	2,845	2,429
U.K.	A	1,010	1,441	2,013	2,086	1,939	1,969	1,992	1,615	1,936
	P	4,237	8,470	14,033	16,704	14,878	15,257	13,261	11,921	16,621
	Y	4,194	5,878	6,971	8,008	7,673	7,749	6,657	7,381	8,585
U.S.A.	A	17,629	28,784	27,965	21,474	19,271	18,496	19,798	18,274	18,818
	P	36,784	64,800	74,294	60,639	60,062	54,413	61,677	57,967	55,395
	Y	2,087	2,251	2,657	2,824	3,117	2,942	3,115	3,172	2,944
World	A	207,979	237,252	231,263	215,437	216,965	220,196	217,631	218,423	221,616
	P	310,741	440,188	592,311	585,691	649,325	699,389	671,482	711,407	728,967
	Y	1,494	1,855	2,561	2,719	2,993	3,176	3,085	3,257	3,289

A=Area in '000 hectares      P=Production in '000 tonnes      Y=Yield in kg/hectare

Source: 1. Various issues of "FAO Production Year Book", FAO, Rome.  
2. Compiled from the data presented in www.fao.org.

<b>2.04 AREA, PRODUCTION AND YIELD PER HECTARE OF MAIZE IN MAJOR PRODUCING COUNTRIES</b>										
<b>1970 to 2014 (Provisional)</b>										
Country	A/P/Y	1970	1980	1990	2000	2010	2011	2012	2013	2014
Argentina	A	4,017	2,490	1,560	3,089	2,903	3,748	3,748	4,864	5,000
	P	9,360	6,400	5,400	16,781	22,677	23,800	23,800	32,119	33,000
	Y	2,330	2,570	3,461	5,433	7,812	6,350	6,350	6,604	6,600
Brazil	A	9,858	11,451	11,394	11,615	12,679	13,219	14,198	15,280	15,432
	P	14,216	20,372	21,348	31,879	55,364	55,660	71,073	80,273	79,878
	Y	1,442	1,779	1,874	2,745	4,367	4,211	5,006	5,254	5,176
Canada	A	499	1,022	1,030	1,107	1,203	1,202	1,418	1,480	1,227
	P	2,634	5,753	7,066	6,954	11,715	10,689	13,060	14,194	11,487
	Y	5,275	5,628	6,860	6,284	9,739	8,895	9,211	9,588	9,365
China, Mainland	A	15,816	20,332	21,401	23,056	32,500	33,542	34,949	36,318	35,954
	P	33,030	62,600	96,819	106,000	177,425	192,781	208,130	218,489	215,646
	Y	2,088	3,079	4,524	4,597	5,459	5,748	5,955	6,016	5,998
Egypt	A	633	800	830	843	969	888	1,041	1,030	750
	P	2,397	3,231	4,799	6,474	7,041	6,876	8,094	7,957	5,800
	Y	3,784	4,037	5,780	7,680	7,270	7,741	7,772	7,722	7,733
France	A	1,469	1,754	1,562	1,765	1,582	1,596	1,719	1,840	1,848
	P	7,491	9,323	9,401	16,018	13,975	15,913	15,614	15,031	18,542
	Y	5,099	5,317	6,019	9,077	8,831	9,973	9,085	8,170	10,033
Hungary	A	1,206	1,253	1,082	1,193	1,079	1,230	1,190	1,243	1,191
	P	4,072	6,673	4,500	4,984	6,985	7,992	4,742	6,756	9,315
	Y	3,376	5,324	4,158	4,179	6,475	6,498	3,985	5,437	7,818
India	A	5,852	6,005	5,904	6,611	8,553	8,780	8,710	9,430	8,600
	P	7,486	6,957	8,962	12,043	21,726	21,760	22,260	23,290	23,670
	Y	1,279	1,159	1,518	1,822	2,540	2,478	2,556	2,470	2,752
Indonesia	A	2,939	2,735	3,158	3,500	4,132	3,861	3,958	3,822	3,837
	P	2,825	3,991	6,734	9,677	18,328	17,629	19,387	18,512	19,008
	Y	961	1,459	2,132	2,765	4,436	4,565	4,899	4,844	4,954
Italy	A	1,026	942	768	1,064	927	995	981	908	870
	P	4,754	6,377	5,864	10,138	8,496	9,753	8,195	7,900	9,240
	Y	4,634	6,771	7,638	9,528	9,167	9,803	8,358	8,699	10,621
Mexico	A	7,440	6,776	7,339	7,131	7,148	6,069	6,924	7,096	7,060
	P	8,879	12,374	14,635	17,557	23,302	17,635	22,069	22,664	23,273
	Y	1,194	1,826	1,994	2,462	3,260	2,906	3,187	3,194	3,296
Pakistan	A	640	769	845	944	974	1,083	1,060	1,168	1,130
	P	717	970	1,185	1,643	3,707	4,271	4,220	4,944	4,695
	Y	1,121	1,262	1,401	1,741	3,805	3,943	3,983	4,231	4,155
Philippines	A	2,428	3,239	3,820	2,510	2,499	2,545	2,594	2,564	2,611
	P	2,012	3,110	4,854	4,511	6,377	6,971	7,407	7,377	7,771
	Y	829	960	1,271	1,797	2,552	2,740	2,856	2,878	2,976
Romania	A	3,084	3,288	2,467	3,049	2,094	2,587	2,722	2,516	2,504
	P	6,536	10,563	6,810	4,898	9,042	11,718	5,953	11,305	11,989
	Y	2,119	3,213	2,761	1,606	4,318	4,529	2,187	4,494	4,787
Turkey	A	646	583	515	555	594	589	623	659	656
	P	1,040	1,240	2,100	2,300	4,310	4,200	4,600	5,900	5,950
	Y	1,610	2,127	4,080	4,144	7,261	7,131	7,388	8,950	9,075
Ukraine	A	-	-	-	1,279	2,648	3,544	4,372	4,827	4,627
	P	-	-	-	3,848	11,953	22,838	20,961	30,950	28,497
	Y	2,802	2,730	3,884	3,009	4,515	6,445	4,795	6,412	6,159
U.S.A.	A	23,212	29,526	27,095	29,316	32,960	33,990	35,359	35,478	33,644
	P	105,471	168,647	201,532	251,852	316,165	313,949	273,820	353,699	361,091
	Y	4,544	5,712	7,438	8,591	9,592	9,237	7,744	9,970	10,733
<b>World</b>	<b>A</b>	<b>113,076</b>	<b>125,776</b>	<b>131,038</b>	<b>137,005</b>	<b>164,030</b>	<b>172,257</b>	<b>179,219</b>	<b>186,021</b>	<b>183,320</b>
	<b>P</b>	<b>265,831</b>	<b>396,623</b>	<b>483,373</b>	<b>592,479</b>	<b>851,271</b>	<b>887,855</b>	<b>877,924</b>	<b>1,017,751</b>	<b>1,038,281</b>
	<b>Y</b>	<b>2,351</b>	<b>3,153</b>	<b>3,689</b>	<b>4,325</b>	<b>5,190</b>	<b>5,154</b>	<b>4,899</b>	<b>5,471</b>	<b>5,664</b>

A=Area in '000 hectares P=Production in '000 tonnes Y=Yield in kg/hectare

Source: 1. Various issues of "FAO Production Year Book", FAO, Rome.  
2. Compiled from the data presented in www.fao.org.

2.05 YIELD PER HECTARE OF DIFFERENT CORPS IN SELECTED COUNTRIES - 2013 and 2014 (Provisional)								
Country	(Kg / hectare)							
	Rice, Paddy		Wheat		Maize		Cereals (Total)	
	2013	2014	2013	2014	2013	2014	2013	2014
Algeria	1,778	1,778	1,910	1,475	3,365	2,617	1,813	1,369
Argentina	6,719	6,504	2,662	2,810	6,604	6,600	4,725	4,555
Australia	10,218	10,920	1,761	2,006	6,444	7,500	1,992	2,137
Austria	-	-	5,374	5,922	8,118	10,792	6,066	7,246
Bangladesh	4,376	4,419	3,014	3,176	6,624	6,659	4,357	4,406
Belarus	-	-	3,061	3,941	5,566	5,355	3,008	3,721
Belgium	-	-	8,935	9,413	11,150	10,502	9,213	9,539
Brazil	5,007	5,201	2,749	2,209	5,254	5,176	4,826	4,641
Bulgaria	5,495	4,904	4,189	4,217	6,394	7,682	4,561	4,861
Canada	-	-	3,594	3,095	9,588	9,365	4,167	3,670
Chile	6,205	6,022	5,814	5,329	10,632	10,102	6,913	6,128
China, Mainland	6,717	6,749	5,056	5,048	6,016	5,998	5,889	5,886
Cuba	3,400	3,360	-	-	2,392	2,298	2,904	2,787
Denmark	-	-	7,295	7,461	5,914	7,218	6,315	6,605
Egypt	9,587	9,530	6,668	6,512	7,722	7,733	7,276	7,162
France	4,039	4,994	7,254	7,357	8,170	10,033	7,079	7,561
Germany	-	-	7,998	8,630	8,828	10,684	7,318	8,050
India*	3,622	3,622	3,154	3,030	2,470	2,752	2,963	2,981
Indonesia	5,152	5,135	-	-	4,844	4,954	5,085	5,096
Iran	4,336	4,407	1,454	1,462	6,386	6,582	1,846	1,963
Israel	-	-	2,372	2,050	22,556	34,098	3,793	4,448
Italy	6,634	6,315	3,844	3,811	8,699	10,621	5,265	5,709
Japan	6,728	6,698	3,862	4,009	2,727	2,714	6,105	6,080
Korea, Dem Rep	5,304	5,252	1,500	1,324	3,799	4,632	4,006	4,308
Korea, Republic of	6,764	6,913	2,585	3,260	5,059	5,178	6,480	6,619
Mexico	5,425	5,712	5,293	5,194	3,194	3,296	3,387	3,582
Morocco	7,543	7,511	2,164	1,713	663	709	1,828	1,454
Myanmar	3,837	3,892	1,860	1,896	3,681	4,246	3,632	3,707
Nepal	3,171	3,394	2,290	2,496	2,353	2,458	2,570	2,748
Netherlands	-	-	8,741	9,170	11,945	13,742	8,630	9,074
New Zealand	-	-	9,106	8,627	10,821	10,989	8,131	8,054
Pakistan	2,437	2,423	2,787	2,824	4,231	4,155	2,722	2,747
Peru	7,713	7,551	1,498	1,522	3,278	3,160	4,112	4,007
Philippines	3,885	4,002	-	-	2,878	2,976	3,532	3,637
Poland	-	-	4,437	4,972	6,576	6,588	3,804	4,268
Portugal	5,394	5,708	1,729	1,707	8,306	8,437	4,111	4,438
Russian Fedn.	4,947	5,362	2,229	2,498	5,011	4,359	2,240	2,443
Senegal	4,018	4,142	-	-	1,443	1,221	1,123	1,110
South Africa	2,609	2,617	3,614	3,619	3,842	4,540	3,725	4,320
Spain	7,522	7,851	3,583	2,981	11,326	11,238	4,081	3,253
Sri Lanka	3,890	3,838	-	-	3,087	3,591	3,834	3,801
Syrian Arab Republic	-	-	2,316	1,572	3,647	2,725	1,576	1,063
Thailand	3,146	3,011	1,250	1,137	4,224	4,245	3,219	3,103
Tunisia	-	-	1,890	2,149	-	-	1,691	1,833
Turkey	8,138	7,486	2,845	2,429	8,950	9,075	3,257	2,831
Ukraine	5,994	4,988	3,393	4,012	6,412	6,159	4,031	4,401
UK	-	-	7,381	8,585	-	-	6,630	7,707
USA	8,624	8,487	3,172	2,944	9,970	10,733	7,340	7,637
Venezuela (Bolovarian Rep. of)	5,044	5,111	2,982	2,982	3,833	3,873	4,007	4,074
<b>World Total</b>	<b>4,498</b>	<b>4,539</b>	<b>3,257</b>	<b>3,289</b>	<b>5,471</b>	<b>5,664</b>	<b>3,846</b>	<b>3,909</b>

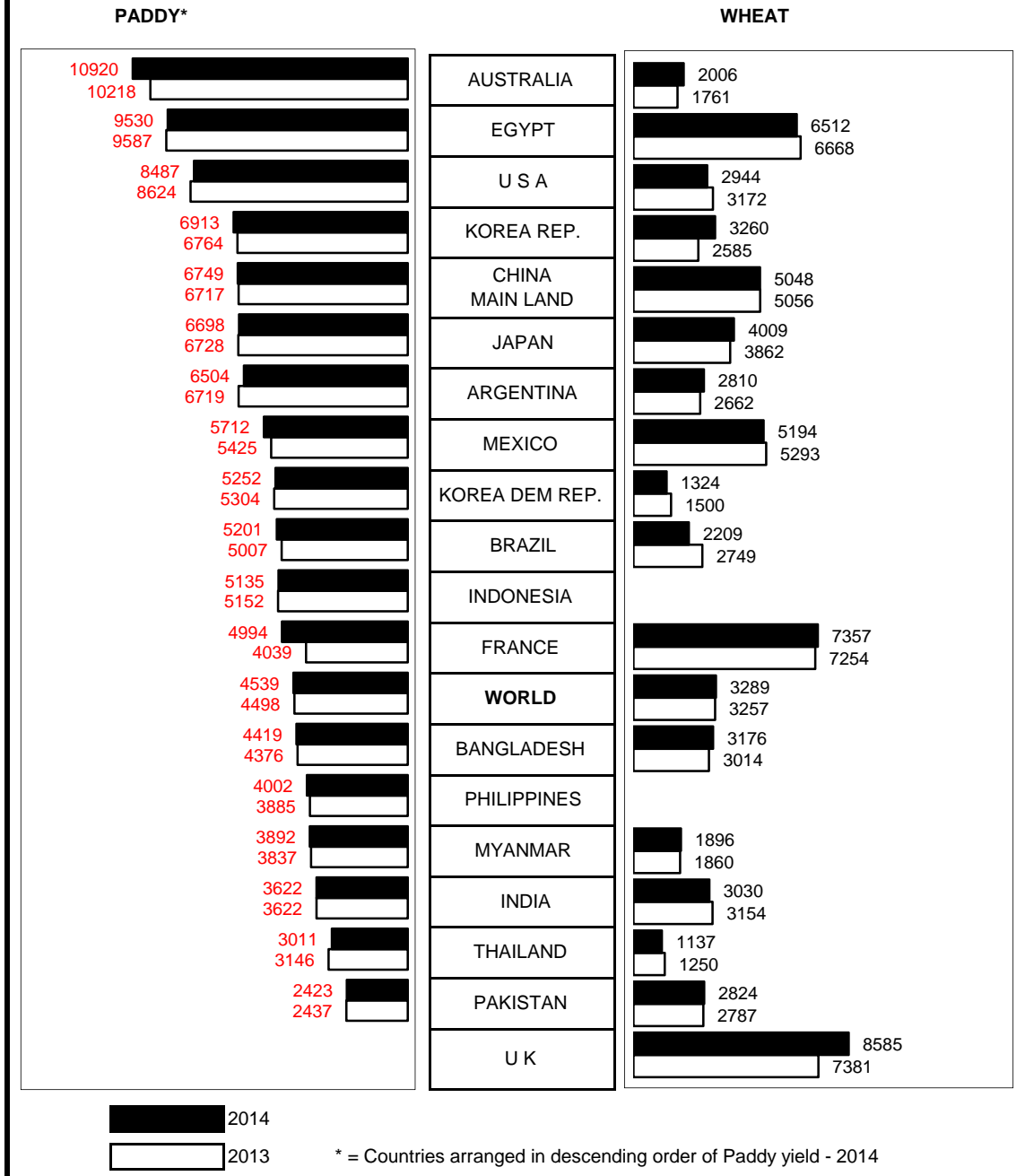
\* = Please refer Part II for production and yield figures of rice in respect of India.  
Note : Data pertain to the calendar year in which the entire harvest or the bulk of it took place.

(Continued)

2.05 YIELD PER HECTARE OF DIFFERENT CORPS IN SELECTED COUNTRIES - 2013 and 2014 (Provisional) (Concluded (Kg.)							
Country	Pulses (Total)		Potato		Soybeans		Coffee (Green)
	2013	2014	2013	2014	2013	2014	2013
Algeria	1,126	1,034	30,322	29,925	-	-	-
Argentina	903	954	28,777	29,514	2,539	2,774	-
Australia	1,410	1,408	38,543	39,697	2,234	2,162	-
Austria	2,325	2,577	28,630	35,075	1,970	2,696	-
Bangladesh	950	979	19,379	19,031	1,585	1,667	-
Belarus	2,338	2,923	19,354	20,393	-	-	-
Belgium	4,224	3,206	45,464	54,000	-	-	-
Brazil	1,023	1,030	27,752	27,941	2,929	2,866	1,422
Bulgaria	1,395	1,361	14,608	12,999	1,798	2,413	-
Canada	2,548	2,031	32,512	33,030	2,881	2,706	-
Chile	1,771	1,269	23,377	21,675	-	-	-
China, Mainland	1,548	1,550	17,088	17,022	1,760	1,813	2,355
Cuba	1,084	1,015	21,595	20,759	-	-	319
Denmark	3,405	3,952	41,573	43,119	-	-	-
Egypt	3,123	3,308	26,628	26,966	3,477	2,778	-
France	3,638	3,653	43,269	47,944	2,565	2,998	-
Germany	3,019	3,335	39,826	47,415	2,000	2,000	-
India	650	654	22,761	22,922	979	965	846
Indonesia	1,118	1,130	16,018	17,296	1,416	1,551	563
Iran	647	652	28,995	29,560	2,447	2,436	-
Israel	3,793	3,018	29,526	35,768	-	-	-
Italy	1,757	1,763	25,248	26,083	3,391	4,007	-
Japan	2,013	2,350	30,213	30,650	1,552	1,761	-
Korea, Dem Rep	861	861	12,528	12,189	1,167	1,167	-
Korea, Republic of	1,166	1,331	26,520	27,502	1,925	1,866	-
Mexico	867	876	26,775	27,339	1,520	1,884	331
Morocco	733	832	36,357	32,952	1,000	977	-
Myanmar	1,285	1,325	15,003	15,064	1,048	1,037	660
Nepal	1,056	1,062	13,641	13,696	1,172	1,189	209
Netherlands	3,441	3,510	42,208	45,660	-	-	-
New Zealand	3,157	3,075	46,667	47,741	-	-	-
Pakistan	736	721	21,802	21,662	722	750	-
Peru	1,182	1,225	14,413	14,794	1,790	1,810	641
Philippines	825	831	14,920	15,142	3,523	2,500	673
Poland	2,200	2,297	21,062	27,766	-	-	-
Portugal	829	835	18,224	19,640	-	-	-
Russian Fedn.	1,203	1,448	14,464	14,990	1,364	1,355	-
Senegal	331	419	20,000	21,200	-	-	-
South Africa	1,114	1,149	34,121	34,454	1,518	1,885	-
Spain	1,301	1,086	30,937	32,554	2,800	3,375	-
Sri Lanka	1,271	1,298	15,321	15,354	1,696	1,090	637
Syrian Arab Republic	1,038	770	19,685	18,060	2,500	2,296	-
Thailand	902	928	15,001	16,142	6,250	6,250	980
Tunisia	1,083	941	15,543	14,695	-	-	-
Turkey	1,410	1,381	31,576	32,120	4,161	4,371	-
Ukraine	1,453	2,137	15,966	17,645	2,054	2,165	-
UK	3,374	3,717	40,899	30,093	-	-	-
USA	2,038	1,943	46,358	47,151	2,962	3,213	1,075
Venezuela (Bolovarian Rep. of)	874	780	19,785	19,197	1,131	1,000	374
<b>World Total</b>	<b>941</b>	<b>906</b>	<b>19,524</b>	<b>20,051</b>	<b>2,491</b>	<b>2,620</b>	<b>880</b>

Note : Data pertain to the calendar year in which the entire harvest or the bulk of it took place.  
Source : Compiled from the data presented in www.fao.org.

**Fig. 1: YIELD OF PADDY & WHEAT IN  
SELECTED COUNTRIES (kg/ha)  
2014 and 2013 (Provisional)**



2.06 RANK OF FIRST FIVE COUNTRIES IN WORLD PRODUCTION OF MAJOR CROPS - 2014 (Provisional)								
Rank	Country	Quantity (million te)	Rank	Country	Quantity (million te)	Rank	Country	Quantity (million te)
<b>Total Cereals</b>			<b>Wheat</b>			<b>Rice,Paddy</b>		
1	China Mainland	557.41	1	China Mainland	126.21	1	China Mainland	206.51
2	USA	442.93	2	India	94.48	2	India	157.20
3	India	293.99	3	Russian Federation	59.71	3	Indonesia	70.85
4	Russian Federation	103.15	4	USA	55.40	4	Bangladesh	52.23
5	Brazil	101.40	5	France	38.97	5	Viet Nam	44.97
<b>Pulses,Total</b>			<b>Groundnuts,with shell</b>			<b>Rapeseed</b>		
1	India	19.98	1	China Mainland	15.71	1	Canada	15.56
2	Canada	5.83	2	India	6.56	2	China Mainland	11.60
3	Myanmar	4.99	3	Nigeria	3.41	3	India	7.88
4	China Mainland	4.50	4	USA	2.36	4	Germany	6.25
5	Brazil	3.31	5	Sudan	1.88	5	France	5.52
<b>Vegetables &amp; Melons *</b>			<b>Fruit excl. Melons *</b>			<b>Potatoes</b>		
1	China Mainland	580.70	1	China Mainland	151.84	1	China Mainland	96.09
2	India	121.02	2	India	82.63	2	India	46.40
3	USA	34.28	3	Brazil	37.77	3	Russian Fed.	31.50
4	Turkey	28.28	4	USA	26.99	4	Ukraine	23.69
5	Iran	23.65	5	Spain	17.70	5	USA	20.06
<b>Onions, dry *</b>			<b>Sugarcane</b>			<b>Tea *</b>		
1	China Mainland	22.30	1	Brazil	737.16	1	China Mainland	1.92
2	India	19.30	2	India	352.14	2	India	1.21
3	USA	3.16	3	China Mainland	125.61	3	Kenya	0.43
4	Iran	2.38	4	Thailand	103.70	4	Sri Lanka	0.34
5	Russian Fed.	1.98	5	Pakistan	67.46	5	Viet Nam	0.21
<b>Jute &amp; Jute-like Fibres *</b>			<b>Seed cotton</b>			<b>Tobacco, unmanufactured *</b>		
1	India	2.05	1	India	19.00	1	China Mainland	3.15
2	Bangladesh	1.39	2	China Mainland	18.43	2	Brazil	0.85
3	China Mainland	0.06	3	USA	9.30	3	India	0.83
4	Russian Fed.	0.05	4	Pakistan	6.35	4	USA	0.35
5	Uzbekistan	0.02	5	Brazil	4.29	5	Indonesia	0.26

\* = Data pertaining to 2013.  
Source: FAO, Rome.





2.08 PRODUCER PRICES OF RICE/PADDY AND WHEAT IN SELECTED COUNTRIES 2014		
Country	Producer Prices (US \$/tonne)	
	Rice, Paddy	Wheat
<b>Africa</b>		
Egypt	307.52 *	376.69 *
Morocco		296.53
South Africa		281.03
<b>America</b>		
<b>North America</b>		
Canada		191.14
USA	309.00	220.00
<b>Latin America and the Caribbean</b>		
Argentina	260.67	197.42
Brazil	346.31	245.51 ***
Chile	143.72 *	356.24 *
Mexico	298.77	255.53
<b>Asia</b>		
China Mainland	457.89	376.99
India	222.40 # (315.37) #	237.12 (232.93)
Indonesia	876.27 **	914.96 **
Israel		360.95
Japan	1918.04	294.33
Malaysia	366.86	
Philippines	452.18	
Thailand	240.63	
Turkey	825.96	337.96
<b>Europe</b>		
Belarus		205.23
Belgium		219.04
Denmark		221.28
France	434.84	219.05
Germany		211.82
Italy	716.91	378.44
Netherlands		210.01
Poland		217.25
Portugal	393.34	303.11
Russian Fedn.	339.46	182.06
Spain	376.46	278.66
Sweden		213.46
Ukraine	401.21	163.15
United Kingdom		257.00
<b>Oceania</b>		
Australia	306.92	285.25
New Zealand		361.00
# = Paddy common variety.	* = Data for 2013	
Source: FAO, Rome	** = Data fro 2012	
() = Producer price for 2015-16	*** = Data fro 2011	

2.09 WORLD FOOD MARKET OF SELECTED PRODUCTS									
(million tonnes)									
Item	Rice			Wheat			Coarse Grain		
	2014-15	2015-16 (Est.)	2016-17 (F'cast)	2014-15	2015-16 (Est.)	2016-17 (F'cast)	2014-15	2015-16 (Est.)	2016-17 (F'cast)
<b>Production</b>	<b>494.6</b>	<b>491.5</b>	<b>497.8</b>	<b>730.5</b>	<b>733.8</b>	<b>742.4</b>	<b>1,338.2</b>	<b>1,305.4</b>	<b>1,328.8</b>
<b>Trade</b>	<b>44.6</b>	<b>43.5</b>	<b>43.8</b>	<b>156.6</b>	<b>164.9</b>	<b>165.0</b>	<b>177.3</b>	<b>185.8</b>	<b>176.0</b>
<b>Total Utilisation</b>	<b>491.4</b>	<b>495.4</b>	<b>501.4</b>	<b>703.6</b>	<b>715.7</b>	<b>730.5</b>	<b>1,301.4</b>	<b>1,309.0</b>	<b>1,328.4</b>
Food	394.2	397.7	402.7	486.7	493.2	498.2	199.4	200.6	204.5
Feed				133.4	137.2	145.7	734.5	742.7	758.0
Other uses				83.5	85.3	86.5	367.5	365.7	365.9
<b>Ending stocks</b>	<b>174.7</b>	<b>170.7</b>	<b>169.6</b>	<b>211.2</b>	<b>225.8</b>	<b>234.2</b>	<b>268.6</b>	<b>259.0</b>	<b>256.1</b>
Item	Oilseeds			Sugar			Meat		
	2014-15	2015-16 (Est.)	2016-17 (F'cast)	2012-13	2013-14 (Est.)	2014-15 (F'cast)	2014	2015 (Est.)	2016 (F'cast)
<b>Production</b>	<b>549.0</b>	<b>534.1</b>	<b>556.9</b>	<b>182.3</b>	<b>180.6</b>	<b>181.0</b>	<b>315.4</b>	<b>319.2</b>	<b>319.8</b>
<b>Trade</b>				<b>54.7</b>	<b>55.4</b>	<b>55.3</b>	<b>30.7</b>	<b>29.8</b>	<b>31.1</b>
<b>Total Utilisation</b>				<b>176.1</b>	<b>176.9</b>	<b>179.8</b>			
Food									
Feed									
Other uses									
<b>Ending stocks</b>				<b>87.7</b>	<b>78.4</b>	<b>79.4</b>			
Item	Dairy (Milk Products)			Fish					
	2014	2015 (Est.)	2016 (F'cast)	2014	2015 (Est.)	2016 (F'cast)			
<b>Production</b>	<b>793.7</b>	<b>808.7</b>	<b>817.2</b>	<b>167.2</b>	<b>171.0</b>	<b>174.1</b>			
<b>Trade</b>	<b>72.0</b>	<b>72.1</b>	<b>72.3</b>	<b>148.3</b>	<b>134.1</b>	<b>140.0</b>			
<b>Total Utilisation</b>				<b>167.2</b>	<b>171.0</b>	<b>174.1</b>			
Food				146.3	149.4	152.8			
Feed				15.8	16.5	16.2			
Other uses				5.1	5.1	5.1			
<b>Ending stocks</b>									

Source : 1) Food Outlook May 2015, FAO Rome.  
2) Food Outlook October 2016, FAO Rome.

## 3.00 AGRICULTURAL SUBSIDIES

## 3.01 AGRICULTURAL SUBSIDIES (PRODUCER SUPPORT ESTIMATE) IN SELECTED COUNTRIES

(US \$ million)

Country	1990	1995	2000	2009	2010	2011	2012	2013	2014	2015 (P)
European Union	105,112	124,043	86,573	118,990	104,902	108,988	110,543	120,826	108,214	89,987
Japan	42,676	72,788	54,087	46,470	56,263	60,353	65,452	50,223	43,485	33,509
India*	3,812	3,621	5,661	25,244	27,676	29,807	27,681	26,337	30,871	32,359
USA	31,266	20,423	52,278	33,016	30,774	32,684	35,993	29,020	43,572	38,785
Turkey	7,626	7,322	8,520	17,025	22,022	19,437	17,138	15,208	14,681	11,569
Rep. of Korea	19,156	25,369	19,260	17,197	16,968	21,007	20,413	21,484	21,775	20,118
Canada	6,271	4,072	4,368	6,760	7,069	7,418	7,520	5,353	5,043	4,289
Switzerland	5,933	6,043	4,438	5,760	5,793	6,801	6,691	6,301	7,314	7,738
Mexico	-	-	-	-	6,371	6,783	6,738	6,666	6,626	5,164
Brazil	-	-	-	-	9,284	11,474	6,873	6,193	7,280	4,092
China (People's Republic of)	-	-	-	-	135,997	112,929	219,170	263,844	275,581	307,395
Indonesia	-	-	-	-	23,951	19,120	23,176	27,154	31,871	35,969
Russia	-	-	-	-	16,193	15,071	14,137	14,471	15,248	-

(P)= Provisional. \* = Includes subsidy on fertiliser and food for the financial year. Source: Expenditure Budget, Vol. I, Gol.

Note: **Producer Support Estimate (PSE)**: an indicator of the annual monetary value of gross transfers from consumers and taxpayers to agricultural producers, measured at the farm-gate level, arising from policy measures which support agriculture, regardless of their nature, objectives or impacts on farm production or income.

Source: 1) Agricultural support estimates (Edition 2016), OECD Agriculture Statistics.

2) Expenditure Budget, Vol. I, Govt. of India.

## 3.02 FARM SUBSIDIES PER CAPITA, PER HECTARE AND FERTILISER CONSUMPTION IN SELECTED COUNTRIES - 2014 (Provisional)

Country	Total farm Subsidies @ (US\$ million)	Population (million)	Arable land & land under permanent crops (million ha) #	Subsidy (US\$)		Fertiliser consumption (kg/ha) **
				Per capita	Per hectare of arable	
European Union	108,214	505	120.245	214.43	899.94	139.9
Japan	43,485	127	4.537	342.96	9584.50	200.7
India*	30,871	1295	170.000	23.83	181.59	150.5 (131.6)
United States	43,572	319	154.437	136.40	282.13	131.4
Turkey	14,681	78	23.806	189.38	616.71	91.6
Rep. of Korea	21,775	50	1.711	434.85	12726.32	272.9
Canada	5,043	36	50.651	141.71	99.57	76.6
Switzerland	7,314	8	0.428	890.67	17075.97	198.2
Mexico	6,626	125	25.668	52.85	258.15	74.9
Brazil	7,280	206	82.808	35.33	87.92	169.3
China (People's Republic of)	275,581	1369	121.720	201.24	2264.06	424.4
Indonesia	31,871	254	46.000	125.25	692.86	124.3
Russia	15,248	143	123.840	106.31	123.13	15.6

@ = PSE \* = Subsidy on food and fertilisers for the financial year. # = Data pertaining to 2013.

() = Kg./ha of gross cropped area. \*\* = Kg/ha of Arable land and land under permanent crops.

Source: 1. Agricultural support estimates (Edition 2016) in OECD Agriculture Statistics.

2. FAO, Rome.

3. Expenditure Budget, Vol. I, Govt. of India.

## 4.00 GDP PER CAPITA AND POPULATION

4.01 GDP PER CAPITA AND DIETARY ENERGY SUPPLY IN SELECTED COUNTRIES						
1990, 2000 and 2014						
Continent/Country	GDP per capita (US\$, PPP)			Dietary energy supply (Kcal/ pc/ day)		
	1990	2000	2014	1990	2000	2014
<b>Africa</b>	<b>3,315</b>	<b>3,421</b>	<b>4,575</b>	<b>2,320</b>	<b>2,402</b>	<b>2,581</b>
Egypt	6,024	7,812	10,734	3,176	3,378	3,550
Morocco	3,901	4,430	6,967	3,021	3,086	3,364
South Africa	10,364	9,927	12,454	2,814	2,878	3,155
<b>America</b>						
<b>North America</b>						
Canada	31,118	37,259	41,899			
USA	37,026	45,986	51,340			
<b>Latin America and the Caribbean</b>	<b>9,837</b>	<b>10,976</b>	<b>13,915</b>	<b>2,669</b>	<b>2,787</b>	<b>3,069</b>
Brazil	9,997	11,015	14,555	2,756	2,879	3,302
Chile	9,199	14,623	21,714	2,627	2,834	3,083
Mexico	12,479	14,704	16,291	2,986	3,035	3,089
<b>Asia</b>	<b>3,017</b>	<b>4,595</b>	<b>9,392</b>	<b>2,398</b>	<b>2,573</b>	<b>2,813</b>
Bangladesh	1,239	1,606	2,853	2,113	2,285	2,486
China, Main	1,623	3,780	11,778	2,475	2,802	3,156
India	1,777	2,548	5,244	2,279	2,370	2,469
Indonesia	4,295	5,552	9,254	2,370	2,442	2,776
Japan	29,548	32,193	35,614			
Rep. of Korea	12,087	20,757	32,708	2,970	3,087	3,480
Malaysia	10,159	15,695	22,589	2,689	2,858	3,042
Nepal	1,240	1,577	2,173	2,211	2,280	2,653
Pakistan	2,961	3,366	4,454	2,297	2,377	2,449
Sri Lanka	3,340	4,946	9,426	2,169	2,352	2,615
Thailand	6,369	8,939	13,932	2,237	2,580	2,847
Turkey	10,670	13,025	18,567	3,736	3,634	3,715
Vietnam	1,501	2,650	5,125	1,895	2,246	2,840
<b>Europe</b>						
Belarus	8,084	7,300	17,055			
Denmark	33,256	41,693	42,483			
France	29,476	34,774	37,217			
Germany	31,476	36,953	42,884			
Netherlands	32,534	41,771	45,021			
Poland	10,080	14,553	22,835			
Russian Fedn.	19,349	13,173	23,564			
Spain	24,126	30,647	31,683			
UK	26,424	32,543	36,932			
Ukraine	10,507	4,817	8,508			
<b>Oceania</b>	<b>2,269</b>	<b>2,536</b>	<b>3,110</b>	<b>2,454</b>	<b>2,436</b>	<b>2,542</b>
Australia	28,604	35,253	42,834			
New Zealand	23,424	27,422	33,020			
<b>World</b>	<b>8,832</b>	<b>10,241</b>	<b>13,915</b>	<b>2,597</b>	<b>2,717</b>	<b>2,903</b>

Source:: FAO Pocket Statistical Book World Food and Agriculture 2015, FAO, Rome.

4.02 POPULATION AND EMPLOYMENT IN AGRICULTURE IN SELECTED COUNTRIES 2000 and 2014						
Continent/Country	Population ('000)				Employment in agriculture (%)	
	Total		In Rural		2000	2014
	2000	2014 *	2000	2014 *		
<b>Africa</b>						
Algeria	31,184	38,934	12,714	11,927	21.1	10.8
Egypt	68,335	89,580	37,832	47,473	29.6	29.2
Kenya	31,066	44,864	25,062	34,070		61.1
Morocco	28,951	33,921	13,398	13,498	5.1	39.2
Senegal	9,861	14,673	5,883	8,235	45.6	33.7
South Africa	44,897	53,969	19,333	18,972	15.6	4.6
Tunisia	9,699	11,130	3,493	3,708		16.2
Uganda	23,758	37,783	21,343	32,721	68.7	65.6
Zimbabwe	12,500	15,246	8,283	9,854	60.0	
<b>America</b>						
<b>North &amp; Central America</b>						
Canada	30,702	35,588	6,300	6,519	3.3	2.4
USA	282,896	319,449	59,602	59,849	2.6	1.6
<b>South America</b>						
Argentina	37,057	42,980	4,007	3,510	0.7	0.6
Brazil	175,786	206,078	32,821	29,429	20.7	15.3
Chile	15,170	17,763	2,152	1,892	14.4	10.3
Cuba	11,117	11,379	2,749	2,593	27.1	19.7
Mexico	102,809	125,386	26,257	26,034	18.0	13.4
Peru	25,915	30,973	7,009	6,681	0.6	25.8
Uruguay	3,321	3,420	265	166	4.1	10.9
Venezuela	24,481	30,694	2,934	3,412	10.6	7.7
<b>Asia</b>						
Afghanistan	19,702	31,628	16,212	23,059		
Bangladesh	131,281	159,078	101,153	105,386	62.1	48.1
Bhutan	564	765	421	475	79.8	62.2
China Mainland	1,269,975	1,369,436	821,045	635,424	49.8	36.7
India	1,053,481	1,295,292	753,897	857,198	59.9	47.2
Indonesia	211,540	254,455	121,180	118,813	45.3	35.1
Iran	65,850	78,144	23,700	21,301	23.0	21.2
Iraq	23,575	35,273	7,498	10,653		23.4
Israel	6,014	7,939	529	620	2.2	1.7
Japan	125,715	126,795	26,842	8,864	5.1	3.7
Jordan	4,767	7,416	963	1,242	4.9	2.0
Kazakhstan	14,957	17,372	6,453	7,757	35.3	25.5
Korea Dem. Rep.	22,840	25,027	9,270	9,832		
Korea Rep. of	46,206	50,074	9,370	8,734	10.6	6.6
Malaysia	23,421	29,902	8,905	7,846	18.4	12.6
Myanmar	47,670	53,437	35,386	35,696	62.7	

(Continued)

4.02 POPULATION AND EMPLOYMENT IN AGRICULTURE IN SELECTED COUNTRIES (Concluded) 2000 and 2014						
Continent/Country	Population ('000)				Employment in agriculture (%)	
	Total		In Rural		2000	2014
	2000	2014 *	2000	2014 *		
<b>Asia (Concluded)</b>						
Nepal	23,740	28,175	20,070	22,991	65.7	
Pakistan	138,250	185,044	96,145	114,221	48.4	43.7
Philippines	77,932	99,139	40,414	55,566	37.1	32.2
Sri Lanka	18,784	20,619	15,371	17,517	34.0	39.4
Syria	16,354	18,772	7,867	9,398	32.9	14.3
Thailand	62,693	67,726	42,773	34,167	48.8	39.6
Turkey	63,240	77,524	22,275	20,559	36.0	23.6
Vietnam	80,286	92,423	61,172	62,053	65.3	47.4
Yemen	17,795	26,184	12,920	16,472		
<b>Europe</b>						
Austria	8,051	8,517	2,743	2,906	5.8	4.9
Belarus	9,952	9,500	2,997	2,208	21.2	10.5
Belgium	10,268	11,226	295	243	1.9	1.2
Bulgaria	8,001	7,201	2,488	1,891	13.1	6.4
Denmark	5,338	5,647	795	705	3.3	2.6
Finland	5,176	5,480	922	866	6.0	4.1
France	59,387	64,121	14,287	13,388	4.1	2.9
Germany	81,896	80,646	22,492	20,585	2.6	1.5
Italy	57,147	59,789	18,679	19,041	5.2	3.7
Netherlands	15,894	16,868	3,680	1,695	3.0	2.5
Norway	4,492	5,148	1,074	1,008	4.3	2.2
Poland	38,486	38,620	14,682	15,071	18.8	12.6
Portugal	10,279	10,402	4,700	3,936	12.5	10.5
Romania	22,128	19,652	10,522	9,869	42.8	29.0
Russian Fedn.	146,401	143,429	39,112	37,149	14.5	9.7
Spain	40,750	46,260	9,562	9,717	6.7	4.4
Sweden	8,872	9,703	1,417	1,381	2.4	2.0
U.K.	58,867	64,331	12,586	11,209	1.5	1.2
Ukraine	48,746	45,002	16,118	13,715	23.4	17.2
<b>Oceania</b>						
Australia	19,107	23,622	2,472	2,531	5.0	3.3
Fiji Islands	811	886	423	414		
New Zealand	3,858	4,495	553	626	8.7	6.6
<b>World Total</b>	<b>6,126,622</b>	<b>7,265,786</b>	<b>3,271,569</b>	<b>3,363,656</b>	<b>38.0</b>	<b>30.7</b>
* = Population - Estimated and Projection for 2014						
Source: 1. www.fao.org						
2. FAO <i>Statistical Pocketbook</i> , World Food and Agriculture 2015, FAO, Rome.						

4.03 AVERAGE ANNUAL GROWTH IN POPULATION AND DENSITY IN SELECTED COUNTRIES					
Continent/Country	Population		Continent/Country	Population	
	Average annual growth (%) 2000-2012	Density people per sq.km. 2012		Average annual growth (%) 2000-2012	Density people per sq.km. 2012
<b>Africa</b>					
Algeria	1.6	16	Nepal	1.4	192
Egypt, Arab Rep.	1.7	81	Pakistan	1.8	232
Kenya	2.7	76	Philippines	1.8	324
Morocco	1.0	73	Saudi Arabia	2.8	13
Senegal	2.8	71	Sri Lanka	0.5	324
South Africa	1.3	42	Syrian Arab Rep.	2.6	122
Togo	2.6	122	Thailand	0.6	131
Tunisia	1.0	69	Turkey	1.3	96
Uganda	3.4	182	Turkmenistan	1.2	11
Zambia	2.8	19	Vietnam	1.1	286
Zimbabwe	0.8	35			
<b>N.C. America</b>			<b>Europe</b>		
Canada	1.0	4	Austria	0.5	103
Mexico	1.3	62	Belarus	-0.5	47
USA	0.9	34	Belgium	0.7	368
<b>South America</b>			Bulgaria	-0.9	67
Argentina	0.9	15	Denmark	0.4	132
Brazil	1.1	23	Finland	0.4	18
Chile	1.0	23	France	0.6	120
Peru	1.2	23	Germany	0	235
Uruguay	0.2	19	Hungary	-0.2	110
Venezuela	1.7	34	Italy	0.6	207
<b>Asia</b>			Netherlands	0.4	497
Bangladesh	1.3	1188	Norway	0.9	16
India	1.4	416	Poland	0	127
Indonesia	1.4	136	Portugal	0.2	115
Iran	1.2	47	Romania	-0.4	93
Israel	1.9	365	Russian Fed	-0.2	9
Japan	0	350	Spain	1.1	93
Jordan	2.3	71	Sweden	0.6	23
Kazakhstan	1.0	6	Switzerland	0.9	200
Korea Rep.	0.5	515	UK	0.6	261
Kyrgyz Rep.	1.1	29	Ukraine	-0.6	79
Lao PDR	1.7	29			
Malaysia	1.8	89	<b>Oceania</b>		
			Australia	1.4	3
			New Zealand	1.2	17
			<b>WORLD</b>	<b>1.2</b>	<b>54</b>

Source: World Development Report 2014, The World Bank.



4.04 POPULATION BELOW POVERTY LINE IN SELECTED COUNTRIES					
	Population below national poverty line <sup>1</sup>		International poverty line <sup>2</sup>		
	Survey year	National %	Survey year	Population below \$1.25 a day (%)	Population below \$2 a day (%)
Algeria	-	-	1995	6.8	23.6
Argentina	-	-	2010	<2.0	<2.0
Bangladesh	2005	40.0	2010	43.3	76.5
Belarus	2009	5.4	2010	<2.0	<2.0
Brazil	2009	21.4	2009	6.1	10.8
Bulgaria	2001	12.8	2007	<2.0	<2.0
Chile	2009	15.1	2009	<2.0	2.7
China	-	-	2009	11.8	27.2
Egypt	2008	22.0	2008	<2.0	15.4
Ethiopia	2005	38.9	2011	30.7	66
Georgia	2007	23.6	2010	18.0	35.6
Hungary	-	-	2007	<2.0	<2.0
India	2005	27.5	2010	32.7	68.7
Indonesia	2010	13.3	2010	18.1	46.1
Jordan	2006	13.0	2010	<2.0	<2.0
Kazakhstan	2002	15.4	2009	<2.0	<2.0
Kenya	2005	45.9	2005	43.4	67.2
Lithuania	-	-	2008	<2.0	<2.0
Malaysia	2009	3.8	2009	<2.0	2.3
Mexico	2008	47.4	2010	<2.0	4.5
Morocco	2001	15.3	2007	2.5	14.0
Nepal	2004	30.9	2010	24.8	57.3
Nigeria	2004	54.7	2010	68.0	84.5
Pakistan	2006	22.3	2008	21.0	60.2
Peru	2009	34.8	2010	4.9	12.7
Philippines	2009	26.5	2009	18.4	41.5
Poland	2002	16.6	2010	<2.0	<2.0
Romania	2006	13.8	2010	<2.0	<2.0
Russian Fedn.	2006	11.1	2009	<2.0	<2.0
Senegal	2005	50.8	2011	29.6	55.2
South Africa	2005	23.0	2009	13.8	31.3
Sri Lanka	2007	15.2	2010	4.1	23.9
Thailand	2009	8.1	2010	<2.0	4.1
Tunisia	-	-	2010	<2.0	4.3
Turkey	2009	18.1	2010	<2.0	4.7
Uganda	2009	24.5	2009	38.0	64.7
Ukraine	2005	7.9	2010	<2.0	<2.0
Venezuela	2009	29.0	2006	6.6	12.9
Vietnam	2008	14.5	2008	16.9	43.4
Zambia	2006	59.3	2006	68.5	82.6

Source: 1 = *World Development Report 2012*, World Bank.  
2 = *World Development Report 2013*, World Bank.

**CONVERSION FACTORS AND EXCHANGE RATES**

1. CONVERSION FACTORS			
<b>AREA</b>		<b>WEIGHT</b>	
1 hectare	=	2.47100 acres	1 metric ton
	=	100 x 100 sq. metres	=
1 acre	=	0.40468 hectare	=
	=	4.840 sq. yd.	=
	=	43.660 ft.	=
	=	0.00156 sq. miles	1 long ton
1 sq. mile	=	640 acres	=
	=	259 hectares	=
	=	2.59 sq. kilometres	1 short ton
1 sq. kilometre	=	0.3861 sq. miles	=
			=
			1 kilogram
			=
			1 pound
			=
			1 mound
			=
			=
			<b>DISTANCE</b>
			1 mile
			=
			=
			1 kilometre
			=
			=
			1 metre
			=
			1 inch
			=
			=
			1 foot
			=
			=
			1 yard
			=
			=
2. CONVERSION TABLES			
To Convert			Multiply by
Atmospheres to lbs. per sq. inch			14.73
British thermal units to calories			0.252
Cubic centimetres to cubic inches			0.061103
Cubic feet to cubic metres			0.02832
Cubic feet to gallons			6.228
Cubic inches to litres			0.01639
Cubic metres to cubic yards			1.308
Foot lbs. per second to horse power			0.001818
Foot lbs. to kilogram metres			0.1383
U.S. Gallons to litres			3.785
Barrels to gallons			42.00
Grams to ounces			0.03527
Grams to lbs			0.002205
Horse power to watts			0.746

3. EXCHANGE RATE OF INDIAN RUPEE VIS-A-VIS US DOLLAR 1947-48 to 2016-17							
Year	Rs. per US \$		Year	Rs. per US \$			
1947-48 to			1988-89	14.48			
1948-49	3.31		1989-90	16.65			
1949-50	4.08		1990-91	17.94			
1950-51 to			1991-92	24.47			
1965-66	4.76		1992-93	30.65 (Market rate)			
1966-67	7.00		1993-94	31.37 (Market rate)			
1967-68 to			1994-95	31.40 (Market rate)			
1970-71	7.50		1995-96	33.45 (Market rate)			
1971-72	7.45		1996-97	35.50 (Market rate)			
1972-73	7.73		1997-98	37.17 (Market rate)			
1973-74	7.86		1998-99	42.07 (Market rate)			
1974-75	7.98		1999-2000	43.33 (Market rate)			
1975-76	8.65		2000-01	45.68 (Market rate)			
1976-77	8.94		2001-02	47.69 (Market rate)			
1977-78	8.56		2002-03	48.40 (Market rate)			
1978-79	8.21		2003-04	45.95 (Market rate)			
1979-80	8.08		2004-05	44.93 (Market rate)			
1980-81	7.91		2005-06	44.27 (Market rate)			
1981-82	8.97		2006-07	45.29 (Market rate)			
1982-83	9.67		2007-08	40.24 (Market rate)			
1983-84	10.34		2008-09	45.92 (Market rate)			
1984-85	11.89		2009-10	47.42 (Market rate)			
1985-86	12.24		2010-11	45.58 (Market rate)			
1986-87	12.78		2011-12	47.92 (Market rate)			
1987-88	12.97		2012-13	54.41 (Market rate)			
			2013-14	60.50 (Market rate)			
			2014-15	61.14 (Market rate)			
			2015-16	65.47 (Market rate)			
Month	1992-93		Market Rate				
	Official Rate	Market Rate	2012-13	2013-14	2014-15	2015-16	2016-17
April	25.89	30.93	51.80	54.38	60.36	62.75	66.47
May	25.89	30.34	54.47	55.01	59.31	63.80	66.91
June	25.89	30.24	56.03	58.40	59.73	63.86	67.30
July	25.89	30.25	55.49	59.78	60.06	63.64	67.21
August	25.89	30.09	55.56	63.34	60.90	65.07	66.94
September	25.89	30.06	54.61	63.75	60.86	66.22	66.74
October	25.89	30.05	53.02	61.62	61.34	65.06	66.75
November	25.89	30.08	54.78	62.63	61.70	66.12	
December	26.15	30.70	54.65	61.91	62.75	66.60	
January	26.20	30.88	54.32	62.08	62.23	67.25	
February	26.20	32.65	53.77	62.25	62.09	68.24	
March	-	31.53	54.51	61.01	62.45	67.02	

Note : 1. Exchange rates given here are annual/monthly averages.  
2. During March 1992 to February 1993, a dual exchange rate system was prevalent, in which the official rate was fixed by the RBI and the market rate was determined in the Inter-Bank market for the US dollar.

Source : 1. *Indian Petroleum and Natural Gas Statistics, 1989-90*, Ministry of Petroleum & Chemicals, New Delhi.  
2. *Economic Survey 2015-16*, Ministry of Finance, New Delhi.  
3. *Monthly Review of the Indian Economy*, CMIE.  
4. *RBI Reference Rate*.

4. EXCHANGE RATE OF RUPEE VIS-A-VIS SELECTED CURRENCIES OF THE WORLD												
(Rupees per unit of foreign currency)												
Year/ month	U S dollar	Pound sterling	Euro #	Yen	Canadian dollar	Indo- nesian rupiah	Brazilian real	Mexican pesos	Korean won	Pakistan rupee	Thailand baht	SDR
1	2	3	4	5	6	7	8	9	10	11	12	13
1980-81	7.909	18.504		0.037	6.720	0.012	0.137	0.343	0.011	0.805	0.388	10.178
1981-82	8.968	17.110		0.039	7.457	0.014	0.085	0.340	0.013	0.899	0.403	10.335
1982-83	9.666	16.136		0.039	7.810	0.014	0.046	0.152	0.013	0.792	0.422	10.563
1983-84	10.340	15.417		0.044	8.343	0.011	0.015	0.076	0.013	0.788	0.452	10.941
1984-85	11.889	14.867		0.049	9.007	0.011	0.005	0.061	0.015	0.830	0.485	11.933
1985-86	12.235	16.847		0.056	8.889	0.011	0.002	0.038	0.014	0.777	0.461	12.923
1986-87	12.778	19.072		0.080	9.309	0.009	0.874 *	0.018	0.015	0.764	0.494	15.447
1987-88	12.966	22.087		0.094	9.914	0.008	0.270	0.008	0.016	0.752	0.515	17.121
1988-89	14.482	25.596		0.113	11.960	0.009	1.292	0.006	0.021	0.791	0.575	19.262
1989-90	16.649	26.918		0.117	14.093	0.009	6.360	0.006	0.025	0.800	0.651	21.368
1990-91	17.943	33.193		0.128	15.479	0.010	0.203	0.006	0.025	0.827	0.710	24.843
1991-92	24.474	42.515		0.185	21.267	0.012	0.050	0.008	0.033	1.021	0.977	33.433
<b>(Official Rate)</b>												
Mar-92	25.890	44.677		0.194	21.709	0.013	0.015	0.009	0.034	1.050	1.015	35.347
<b>1992-93</b>												
April	25.890	45.461		0.194	21.800	0.013	0.012	0.009	0.033	1.049	1.021	35.485
May	25.890	46.838		0.198	21.586	0.013	0.010	0.009	0.033	1.056	1.014	35.931
June	25.890	47.788		0.204	21.651	0.013	0.008	0.009	0.033	1.085	1.020	36.551
July	25.890	49.721		0.206	21.764	0.013	0.007	0.009	0.033	1.119	1.025	37.385
August	25.890	50.384		0.205	21.734	0.013	0.006	0.009	0.033	1.035	1.027	37.709
September	25.890	47.567		0.211	21.161	0.013	0.005	0.009	0.034	1.035	1.028	37.695
October	25.890	42.862		0.214	20.805	0.013	0.004	0.009	0.033	1.054	1.026	37.162
November	25.890	39.535		0.209	20.413	0.013	0.003	0.008	0.033	1.021	1.019	35.910
December	26.154	40.578		0.211	20.574	0.013	0.002	0.008	0.033	1.028	1.026	36.329
January	26.199	40.141		0.210	20.500	0.013	0.002	8.435***	0.033	1.025	1.028	36.082
February	26.199	37.704		0.217	20.788	0.013	0.002	8.460	0.033	1.010	1.029	35.939
<b>(Market Rate)**</b>												
Mar. 93	31.526	45.952		0.270	25.279	0.015	0.001	10.151	0.040	1.198	1.242	43.521
1993-94	31.366	47.206		0.291	23.956	0.015	0.122	10.009	0.039	1.083	1.240	43.886
2000-01	45.684	67.552	41.483	0.414	30.383	0.005	24.153	4.788	0.039	0.820	1.100	59.546
2001-02	47.692	68.319	42.181	0.382	30.473	0.005	19.549	5.183	0.037	0.772	1.069	60.215
2002-03	48.395	74.819	48.090	0.397	31.253	0.005	15.489	4.806	0.040	0.819	1.132	64.126
2003-04	45.952	77.739	53.990	0.407	33.991	0.005	15.713	4.248	0.039	0.798	1.132	65.690
2004-05	44.932	82.864	56.555	0.418	35.205	0.005	15.707	3.964	0.041	0.763	1.121	66.928
2005-06	44.273	79.047	53.912	0.391	37.137	0.045	19.170	4.122	0.044	0.741	1.096	64.490
2006-07	45.285	85.727	58.111	0.388	39.765	0.005	21.044	4.113	0.048	0.748	1.236	67.254
2007-08	40.241	80.802	56.991	0.353	39.042	0.004	21.762	3.703	0.043	0.658	1.194	62.651
2008-09	45.917	78.449	65.135	0.462	40.875	0.004	23.606	3.867	0.038	0.613	1.349	71.277
2009-10	47.417	75.886	67.084	0.511	43.488	0.005	25.455	3.616	0.039	0.572	1.409	73.733
2010-11	45.577	70.885	60.218	0.533	44.840	0.005	26.431	3.663	0.040	0.534	1.466	69.723
2011-12	47.923	76.391	65.894	0.607	48.307	0.005	28.222	3.788	0.043	0.547	1.564	75.313
2012-13	54.410	85.971	70.069	0.658	54.347	0.006	27.078	4.171	0.049	0.572	1.768	83.026
2013-14	60.502	96.306	81.175	0.604	57.437	0.006	26.907	4.679	0.056	0.587	1.920	92.260
2014-15	61.144	98.573	77.521	0.558	53.780	0.005	24.840	4.457	0.058	0.609	1.882	90.796

(Continued)

4. EXCHANGE RATE OF RUPEE VIS-A-VIS SELECTED CURRENCIES OF THE WORLD (Concluded)												
(Rupees per unit of foreign currency)												
Year/ month	U S dollar	Pound sterling	Euro #	Yen	Canadian dollar	Indo- nesian rupiah	Brazilian real	Mexican pesos	Korean won	Pakistan rupee	Thailand baht	SDR
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>2015-16</b>												
April	62.753	93.908	67.793	0.525	50.890	0.005	20.598	4.133	0.058	0.617	1.934	86.884
May	63.800	98.821	71.214	0.528	52.387	0.005	20.914	4.180	0.058	0.627	1.906	89.630
June	63.861	99.362	71.587	0.516	51.642	0.005	20.459	4.120	0.057	0.628	1.893	89.708
July	63.635	99.077	70.029	0.516	49.382	0.005	19.575	3.991	0.056	0.626	1.852	88.849
August	65.072	101.487	72.515	0.529	49.493	0.005	18.501	3.929	0.055	0.636	1.835	91.276
September	66.218	101.603	74.391	0.551	49.912	0.005	16.941	3.931	0.056	0.635	1.842	93.080
October	65.058	99.756	73.063	0.542	49.766	0.005	16.806	3.934	0.057	0.622	1.824	91.503
November	66.117	100.619	71.092	0.540	49.806	0.005	17.442	3.969	0.057	0.627	1.846	91.359
December	66.596	99.935	72.457	0.547	48.593	0.005	17.133	3.895	0.057	0.636	1.849	92.266
<p>* = On February 28, 1986 the Cruzado, equal to 1000 Cruzeiros, was introduced. On January 15, 1989, the new Cruzado, equal to 1000 old Cruzados was introduced. Currency renamed Cruzeiro Real on 1.8.93, Real Cruzeiro 1 equals 1000 Cruzeiro</p> <p>** = Indicative rates announced by Foreign Exchange Dealers Associations of India (FEDA).</p> <p>*** = Peso revalued in January 1993. 1000 old Peso = 1 New Peso.</p> <p>@ = New currency Real was introduced in July '94, 2750 old Cruzeiro Real = 1 Real</p> <p># = Euro currency came in existence w.e.f January 1, 1999.</p> <p>Note: 1) Annual/ monthly averages. During March '92 to Feb. '93, a dual exchange rate system was prevalent, in which the official rate was fixed by the RBI and the market rate was determined in the inter-Bank market for the US dollar.</p> <p>2) The data for 2001-02 in respect of Deutsche Mark, French Franc and Italian Lira pertain to 11 months only as Germany, France and Italy accepted the Euro as their national currency w.e.f. March 1, 2002.</p> <p>3) Figures of US dollars, Pound sterling, Euro and Japanese yen from May 2012 onwards are RBI's reference rates.</p>												
<p>Source : 1. <i>Economic Survey - 2015-16</i>, Ministry of Finance, GOI, New Delhi.</p> <p>2. <i>RBI Reference Rate</i>.</p> <p>3. <a href="http://www.freecurrencyrates.com">www.freecurrencyrates.com</a></p>												