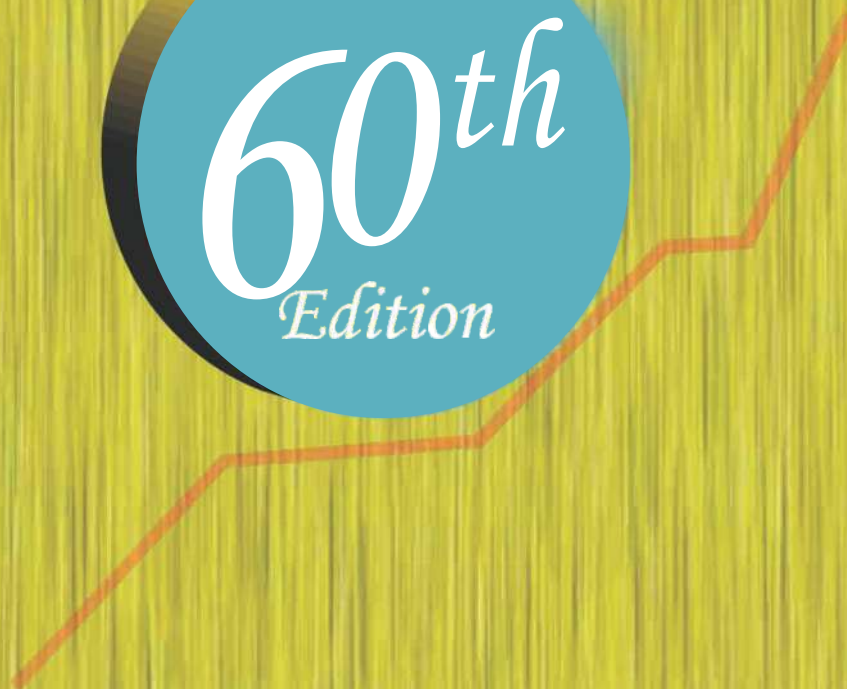


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P R E F A C E

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 60th 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.

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.



SATISH CHANDER
Director General

The Fertiliser Association of India

New Delhi
November 24, 2015

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FERTILISER STATISTICS – 2014-15

HIGHLIGHTS OF THE DEVELOPMENT IN FERTILISER AND AGRICULTURE SECTORS DURING 2014-15

FERTILISER POLICY

2015

- Cap/restriction to produce Neem Coated Urea removed (**Page 25**)
- Mandatory production of Neem Coated urea (**Page 25**)
- Pooling of gas in fertilizer (Urea) sector (**Page 26**)
- New urea policy 2015 (**Page 26**)
- NBS policy for P & K fertilisers for 2015-16 (**Page 27**)

INDIAN FERTILISER AND AGRICULTURAL STATISTICS – 2014-15

Number of Fertiliser Plants

- There are about 159 fertiliser plants in operation in the country. This is comprised of 30 urea, 19 DAP and NP/ NPK complex, 99 SSP, 10 Ammonium Sulphate and 1 Ammonium Chloride plants (**Page I-46**)

Capacity and Production of Fertilisers

- Total capacity of N increased marginally from 13.53 million tonnes as on 1st November 2014 to 13.55 million tonnes as on 1st November 2015. Similarly, the capacity of P₂O₅ increased from 6.33 million tonnes to 6.84 million tonnes during the period (**Page I-36**).
- The production of N increased marginally from 12.41 million tonnes during 2013-14 to 12.43 million tonnes during 2014-15. The production of P₂O₅ increased from 3.97 million tonnes during 2013-14 to 4.11 million tonnes during 2014-15 (**Page I-37**).
- Among the major fertiliser products, the production of urea was 22.59 million tonnes, DAP 3.45 million tonnes, NP/NPK complex fertilisers 7.83 million tonnes and SSP 4.17 million tonnes during 2014-15 (**Page I-48 to I-51**).

Import of Fertilisers

- Import of N, P₂O₅ and K₂O was 4.81, 1.90 and 2.59 million tonnes, respectively, in 2014-15. Among the major fertilisers, the import of Urea was 8.75 million tonnes during the period. The import of DAP, MAP, NP/NPKs and MOP was 3.85, 0.014, 0.29 and 4.20 million tonnes, respectively, during the period (**Page I-54**).

Sale Points

- Total number of fertiliser sale points was 305,209 as on 31.3.2015, 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 25.58 million tonnes in 2014-15 as against 24.48 million tonnes in the previous year. The consumption of N, P₂O₅ and K₂O was 16.95, 6.10 and 2.53 million tonnes, respectively, during 2014-15 (**Page I-81**).

- Among the major fertiliser products, the consumption of urea was 30.61 million tonnes, DAP 7.63 million tonnes, NP/NPK complex fertilisers 8.28 million tonnes, SSP 3.99 million tonnes and MOP (for direct application) 2.85 million tonnes during 2014-15 (**Page I-92 & 93**).
- NPK use ratio was 6.7:2.4:1 during 2014-15 as against 8.0:2.7:1 in 2013-14 (**Page I-106**).
- Per hectare consumption of total nutrients (N+P+K) was 131.6 kg. during 2014-15 as against 125.9 kg in the previous year (**Page I-110**). Per hectare consumption in 96 districts was more than 200 kg during 2014-15 (**Page I-155**). The first five high fertiliser consuming districts were Guntur, Kurnool and West Godavari districts in Andhra Pradesh; Jalgaon district in Maharashtra and Krishna district in Andhra Pradesh (**Page I-147**).

Retail Prices of Fertilisers

- The maximum retail price (MRP) of urea continues to remain at Rs. 5360 per tonnes w.e.f. 1st November 2012 (**Page I-164**). The MRP of phosphatic and potassic fertilisers are market driven w.e.f. 1st April 2010 under the Nutrient Based Subsidy policy.

Subsidy on Fertilisers

- Revised estimate of subsidy on all fertilisers during 2014-15 was Rs. 70967 crore (**Page I-180**).

Soil Testing and Fertiliser Quality Control Laboratories

- During 2013-14, total number of Soil Testing Laboratories was 1244, out of which 1048 were static and 196 mobile. Total analyzing capacity was 17.83 million (**Page I-197**).
- Total number of Fertiliser Quality Control Laboratories was 78 with an aggregate analyzing capacity of 168,536 during 2014-15 (**Page I-199**).

Raw Materials & Intermediates

- Total production of indigenous rock phosphate was 1.50 million tonnes during 2014-15 (**Page I-215**).
- Total despatches of indigenous rock phosphate was 0.62 million tonnes during 2014-15 (**Page I-216**).
- The import of rock phosphate and sulphur was 8.27 and 1.63 million tonnes, respectively, during 2014-15 (**Page I-217**).
- Indigenous capacity of Ammonia was 14.94 million tonnes and its production was 13.84 million tonnes during 2014-15 (**Page I-219 & I-220**).
- Import of Ammonia was 2.07 million tonnes in 2014-15 as against 1.96 million tonnes in the previous year (**Page I-221**).
- Indigenous capacity of Phosphoric acid was 2.11 million tonnes and production was 1.64 million tonnes during 2014-15 (**Page I-222 & I-223**).
- Import of Phosphoric acid was 1.80 million tonnes in 2014-15 as against 1.75 million tonnes in the previous year (**Page I-225**).

Prices of Feedstock

- Delivered prices of Naphtha ranged between Rs.42459 and Rs.66313 per tonne and F.oil Rs. 36800 and Rs.55591 per kilo litre during 2014-15 (**Page I-228**).
- Delivered prices of N. Gas per '000 SM³: (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-230 and 231**).

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, 24 received excess to normal rains during South-west monsoon of 2014. Total rainfall was 12% below the long term average value. About 55% 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 252.68 million tonnes during 2014-15 as against 265.04 million tonnes in the previous year. Production of rice, wheat, coarse cereals and pulses was 104.80, 88.94, 41.75 and 17.20 million tonnes, respectively, during 2014-15. Production of oilseeds and sugarcane was 26.68 and 359.33 million tonnes, respectively, during the period (**Page II-43 & II-44**).

GVA (GDP)

- Total GVA grew by 7.2% during 2014-15 as against 6.6 % in 2013-14 (**Page II-115**). Share of agriculture and allied sectors to total GVA was 17% during 2014-15 (**Page II-117**).

WORLD FERTILISER AND AGRICULTURAL STATISTICS**Production and Consumption of Fertilisers**

- World production of N, P₂O₅, and K₂O was 112.4, 43.5 and 34.1 million tonnes, respectively, during 2013. World consumption of N, P₂O₅ and K₂O was 110.5, 40.3 and 30 million tonnes, respectively, during the period (**Page III- 7**).
- Rank of India in world production (of N+P) was 3rd next to China and USA during 2013. Rank of India in world consumption (of N+P+K) was 2nd next to China during 2013 (**Page III-22**).
- Rank of India in world production and consumption of N was 2nd next to China during 2013. In P₂O₅ production, rank of India was 3rd next to China and USA. Rank of India in world consumption of P₂O₅ was 2nd, next to China. Rank of India in world consumption of K₂O was 4th, next to China, Brazil and USA (**Page III-22**).
- Consumption of total nutrients (N+P+K) per hectare of arable land and land under permanent crops in the world was 114.8 kg in 2013. It was 360 kg in Egypt, 433 kg in China, 276 kg in Korea Rep., 252 kg in Bangladesh, 131 kg in Pakistan and 144 kg (or 126 kg of GCA) in India during 2013 (**Page III-26**).

Prices of Fertilisers

- Average CFR (India) prices of urea, DAP and MOP was US\$ 304 per tonne, US\$ 465 per tonne and US\$ 322 per tonne, respectively, during 2014-15 (**Page III-34**).

Raw Materials & Intermediates

- World production of rock phosphate was 193.4 million tonnes in 2013. China, USA, Morocco, 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 -38**).

- World production of ammonia was 139.5 million tonnes N in 2013. China, Russia, India, USA, and Indonesia are the first five major producers of ammonia in the world. World production of phosphoric acid was 42.5 million tonnes P₂O₅ in 2013. China, USA, Morocco, Russia and India are the first five major producers of phosphoric acid in the world (**Page III -38**).
- CFR (India) prices of ammonia was US\$ 430-688 per tonne and phosphoric acid US\$ 680-805 per tonne during 2014-15. The CFR (India) prices of rock phosphate was US\$ 128-150 per tonne and sulphur US\$ 147-227 per tonne during 2014 (**Page III-43 & III-44**).

Production and yield of Principal Crops

- World production of foodgrains (cereals from paddy + pulses) was 2639.20 million tonnes (Mte) during 2012. Foodgrains production in China was 543.85 Mte, USA 359.29 Mte, India 309.99 Mte, Brazil 92.71 Mte and Indonesia 88.73 Mte during the period (**Page III-60**).
- Average yield per hectare of foodgrains (cereals from paddy + pulses) was 3360 kg in the world in 2012. Average yield of foodgrains in Egypt was 7172 kg, Rep. of Kora 6645 kg, USA 5846 kg, China 5690 kg, Indonesia 5027 kg., Brazil 4149 kg. and India 2515 kg. in 2012 (**Page III-61**).

Farm Subsidies

- The agricultural subsidy (Producer Support Estimate) in European Union was US\$ 106.90 billion during 2014. It was US\$ 44.26 billion in Japan, US\$ 41.46 billion in USA, US\$ 22.02 billion in Rep. of Korea and US\$ 31.85 billion in India (**Page III-72**).

* * * * *

**FERTILISER POLICY -
1944 to 2015
HIGHLIGHTS**

FERTILISER POLICY – 1944 TO 2015

(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 P₂O₅

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 P₂O₅ w.e.f. 17th 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_2O_5 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 8th 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 23rd May 1982.

1984: A/S and CAN brought under price control

A/S and CAN were brought under statutory price control w.e.f 21st August, 1984 and 7th 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, Deptment of Agriculture & Cooperation set up a "High powered Committee on Fertilizer Consumer prices" on 1st 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 14th 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 14th 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 14th August’91 to 31st 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 20th 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. 25th 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 25th August, 1992.

Decanalisation of Raw materials, Intermediates and DAP

The import of rock phosphate and sulphur was decanalised w.e.f 1st March'92. Import of ammonia and phosphoric acid was decanalised w.e.f 1st April'92. Import of DAP was decanalised w. e. f 17th 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 17th June,'93.

Ad hoc concession on SSP

Ad hoc 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 10th 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 1st 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 8th 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 1st 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 1st April, 2003 was to be implemented in three stages. Stage-I was applicable for one year i.e., up to the 31st March, 2004 and the second stage was for two years from the 1st April, 2004 to the 31st March, 2006. The policy for Stage-III commencing from the 1st 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 10th 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 8th March, 2007. The NPS Stage II scheduled to be expired by the 31st March, 2006 was extended upto 30th September, 2006. The NPS Stage III came into force from 1st October 2006 and will be effective upto 31st 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 1st 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 30th 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 1st 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. 18th 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 1st 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 1st July 2008.

Policy on P & K fertilisers

The government of India continued the Concession scheme on decontrolled P & K fertilisers w.e.f 1st 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 1st 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 19th August, 2008 and was made applicable from 1st 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 8th March, 2007 and 31st July, 2007 will be covered under the existing provision of NPS-III notified on 8th 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 4th 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 1st October, 2009. As per the revised policy, the government has decided to leave the selling price of SSP open w.e.f 1st 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 1st 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 1st 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 1st 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 1st 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 1st July, 2010. Per tonne NBS for complex fertiliser grade 16-16-16, indigenously produced and imported fixed at Rs, 11838 w.e.f 1st 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 29th 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 23rd 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 2nd 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 3rd 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 31st 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. 1st 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 2nd 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 30th September 2014. Consequently, naphtha based urea plants were shut down from 1st 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 7th 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 24th 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 25th 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 31st 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 25th May, 2015. The New Urea Policy – 2015 will be effective from 1st June 2015 to 31st 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 1st June, 2015 to 31st March, 2018.

Revised energy norms for three years (2015-16 to 2017-18): For the year 2015-16 (from 1st 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 17th 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 25th 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.

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PART I

**INDIAN FERTILISER
STATISTICS**

PART I

SECTION 1

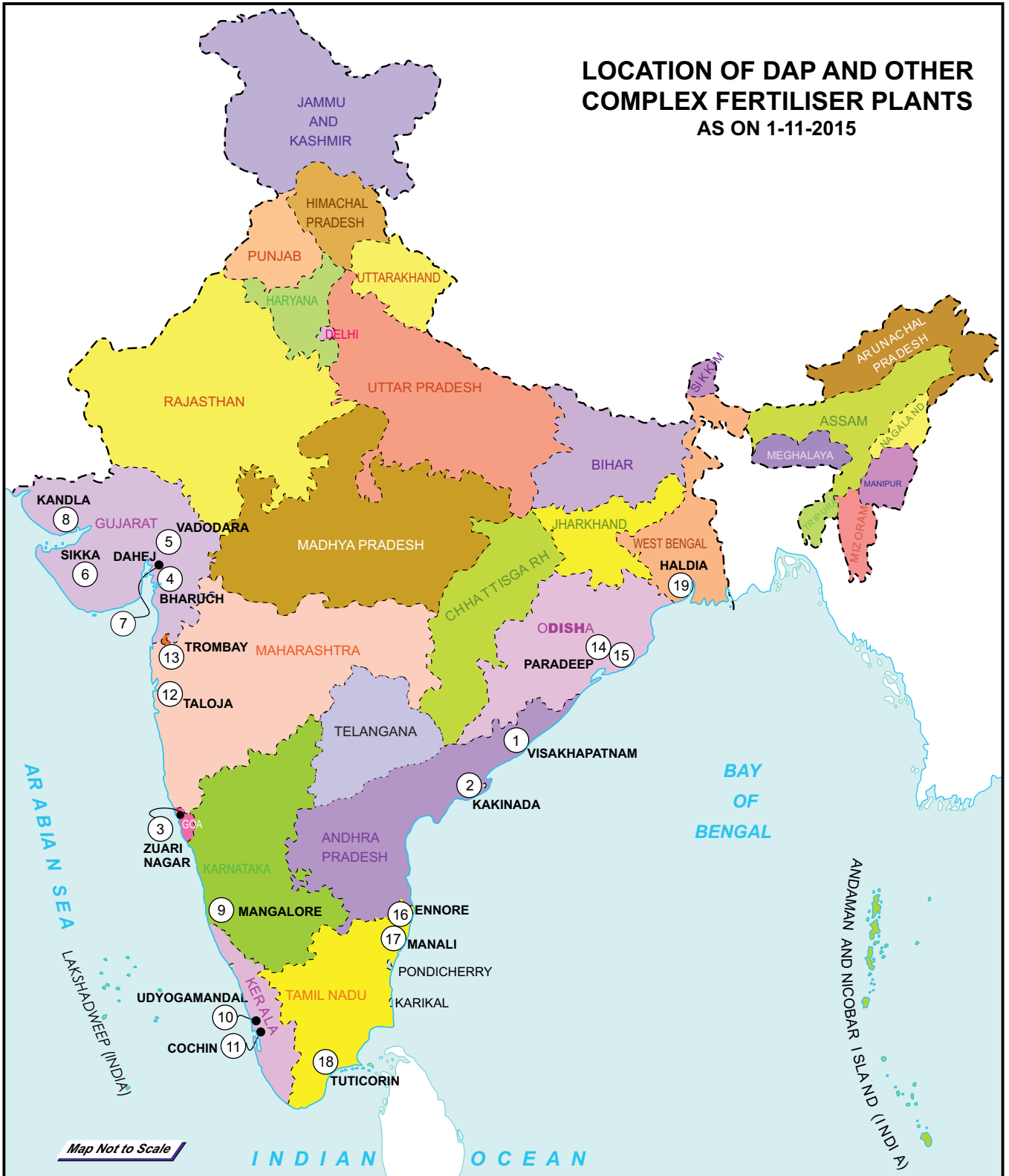
FERTILISERS

LOCATION OF STRAIGHT NITROGENOUS FERTILISER PLANTS (Urea, AS, CAN & ACI) AS ON 1-11-2015



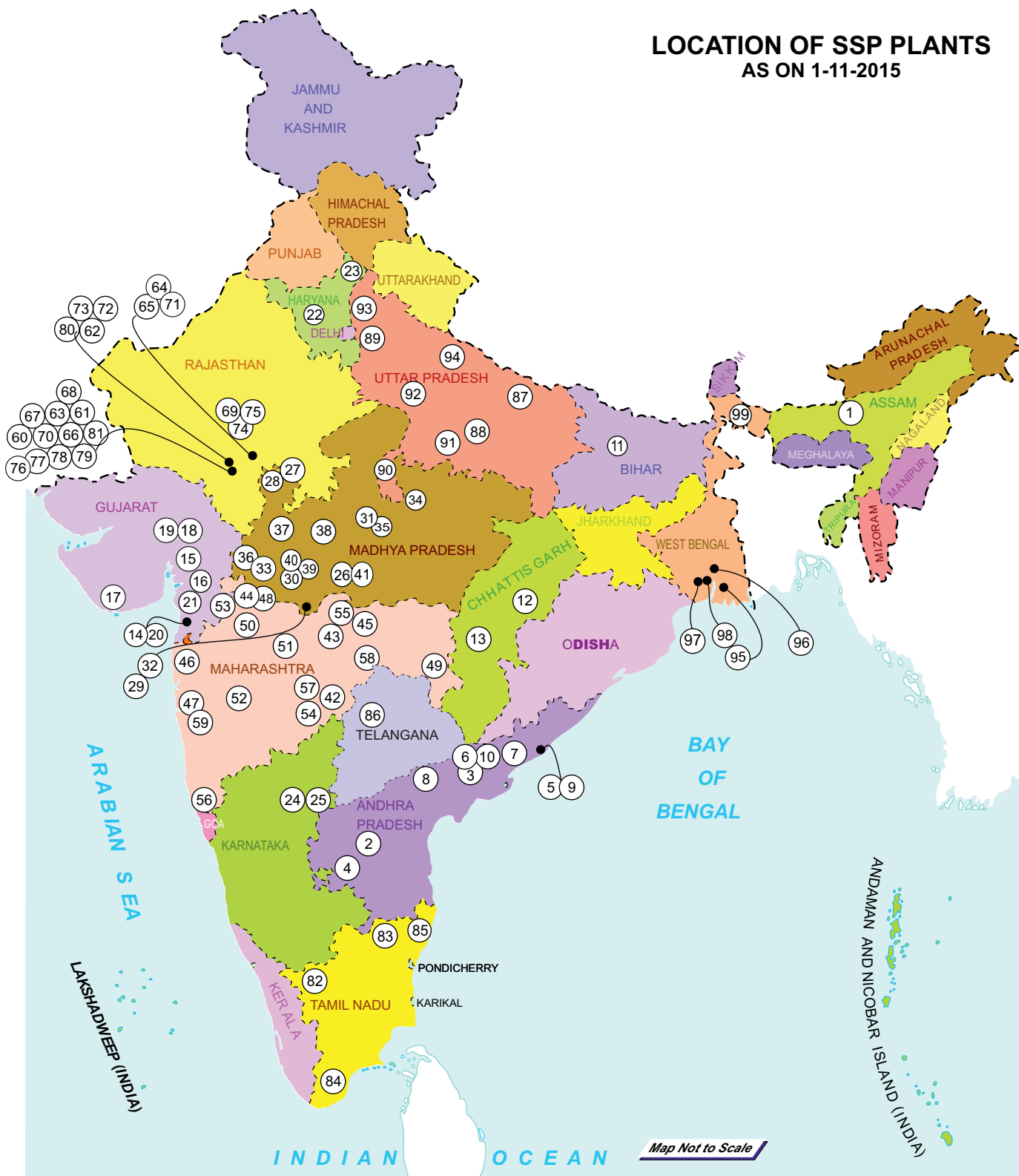
LIST OF STRAIGHT NITROGENOUS FERTILISER PLANTS (Urea, AS, CAN & ACI) (As on 1.11.2015)					
Sl. No.	State/Name of the plant and location	End Product	Sl. No.	State/Name of the plant and location	End Product
Andhra Pradesh			Madhya Pradesh & Chhattisgarh		
1	Nagarjuna Fertilizers & Chemicals Ltd., Kakinada	Urea	17	SAIL, Bhilai	AS
2	Rashtriya Ispat Nigam Ltd., Visakhapatnam	AS	18	NFL, Vijapur	Urea
Assam			Maharashtra		
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
Jharkhand			Odisha		
5	SAIL, Bokaro	AS	21	SAIL (Fert. Plant), Rourkela*	CAN
Goa			Punjab		
6	Zuari Agro Chemicals Ltd. (ZACL), Zuari Nagar	Urea	23	NFL, Nangal II	Urea
Gujarat			Rajasthan		
7	Hindustan Chemicals Co., Surat	AS	25	Chambal Fertilisers & Chemicals Ltd., Gadepan, Kota	Urea
8	Gujarat Narmada Valley Fertilizers & Chemicals Ltd. (GNVFC), Bharuch	Urea, CAN*	26	Shriram Fertilisers & Chemicals (SFC), Kota	Urea
9	Gujarat State Fertilizers & Chemicals Ltd. (GSFC), Vadodara	Urea, AS	Tamil Nadu		
10	GSFC-Polymer Unit, Vadodara	AS	27	Madras Fertilisers Ltd. (MFL), Manali	Urea
11	Indian Farmers Fertilisers Coop. Ltd. (IFFCO), Kalol	Urea	28	Southern Petrochemical Industries Corpn. Ltd. (SPIC), Tuticorin	Urea
12	Krishak Bharati Coop. Ltd. (KRIBHCO) (2 plants) Hazira	Urea	29	Tuticorin Alkali Chemicals and Fertilisers, Ltd., Tuticorin	ACI
Haryana			Uttar Pradesh		
13	National Fertilizers Ltd. (NFL), Panipat	Urea	30	Kanpur Fertilisers & Cement Ltd., Panki	Urea
Karnataka			West Bengal		
14	Mangalore Chemicals & Fertilizers Ltd. (MCFL), Mangalore	Urea	31	IFFCO, Aonla	Urea
Kerala			32	IFFCO, Phulpur	Urea
15	Fertilisers & Chemicals Travancore Ltd. (FACT), Udyogamandal	AS	33	Indo Gulf Fertilisers, Jagdishpur (A unit of: Aditya Birla Nuvo Ltd.)	Urea
16	FACT, Cochin - I*	Urea	34	KRIBHCO Shyam Ferts. Ltd., Shahjahanpur	Urea
			35	Tata Chemicals Ltd., Babrala	Urea
			36	IISCO, Burnpur-Kulti	AS
			37	SAIL, Durgapur	AS
* = Plant not in operation.					

LOCATION OF DAP AND OTHER COMPLEX FERTILISER PLANTS AS ON 1-11-2015



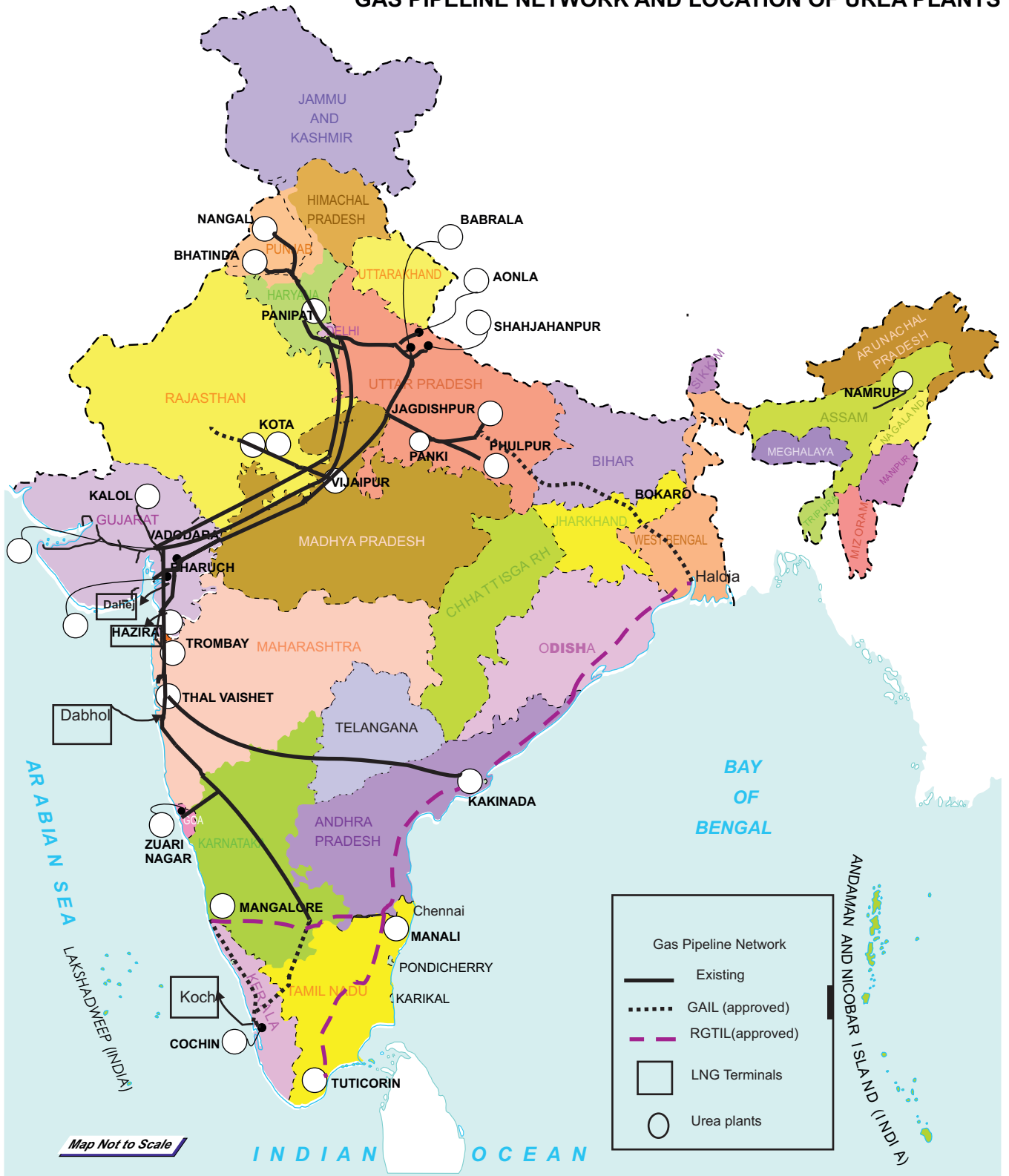
LIST OF DAP AND OTHER COMPLEX FERTILISER PLANTS (As on 1.11.2015)		
Sl. No.	State/Name of the plant and location	End Product
Andhra Pradesh		
1	Coromandel International Ltd., Visakhapatnam	DAP,APS/NPKs
2	Coromandel International Ltd., Kakinada	DAP, NP(APS)/NPKs
Goa		
3	Zuari Agro Chemicals Ltd. (ZACL), Zuari Nagar	DAP, NP(APS)/NPKs
Gujarat		
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
Karnataka		
9	Mangalore Chemicals & Fertilizers Ltd. (MCFL), Mangalore	DAP, NP(APS)/NPKs
Kerala		
10	Fertilisers & Chemicals Travancore Ltd. (FACT), Udyogamandal	APS
11	FACT, Cochin - II	APS
Maharashtra		
12	Deepak Fertilisers & Petro Chemicals Corpn. Ltd., Taloja	ANP
13	Rashtriya Chemicals & Fertilizers Ltd. (RCFL), Trombay (I & IV)	Nitrophosphate; ANP
Odisha		
14	IFFCO, Paradeep	DAP, NP/NPKs
15	Paradeep Phosphates Ltd., Paradeep	DAP, NP(APS)/NPKs
Tamil Nadu		
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)
West Bengal		
19	Tata Chemicals Ltd. (Phosphatic Division), Haldia	DAP, NP/NPKs

LOCATION OF SSP PLANTS AS ON 1-11-2015



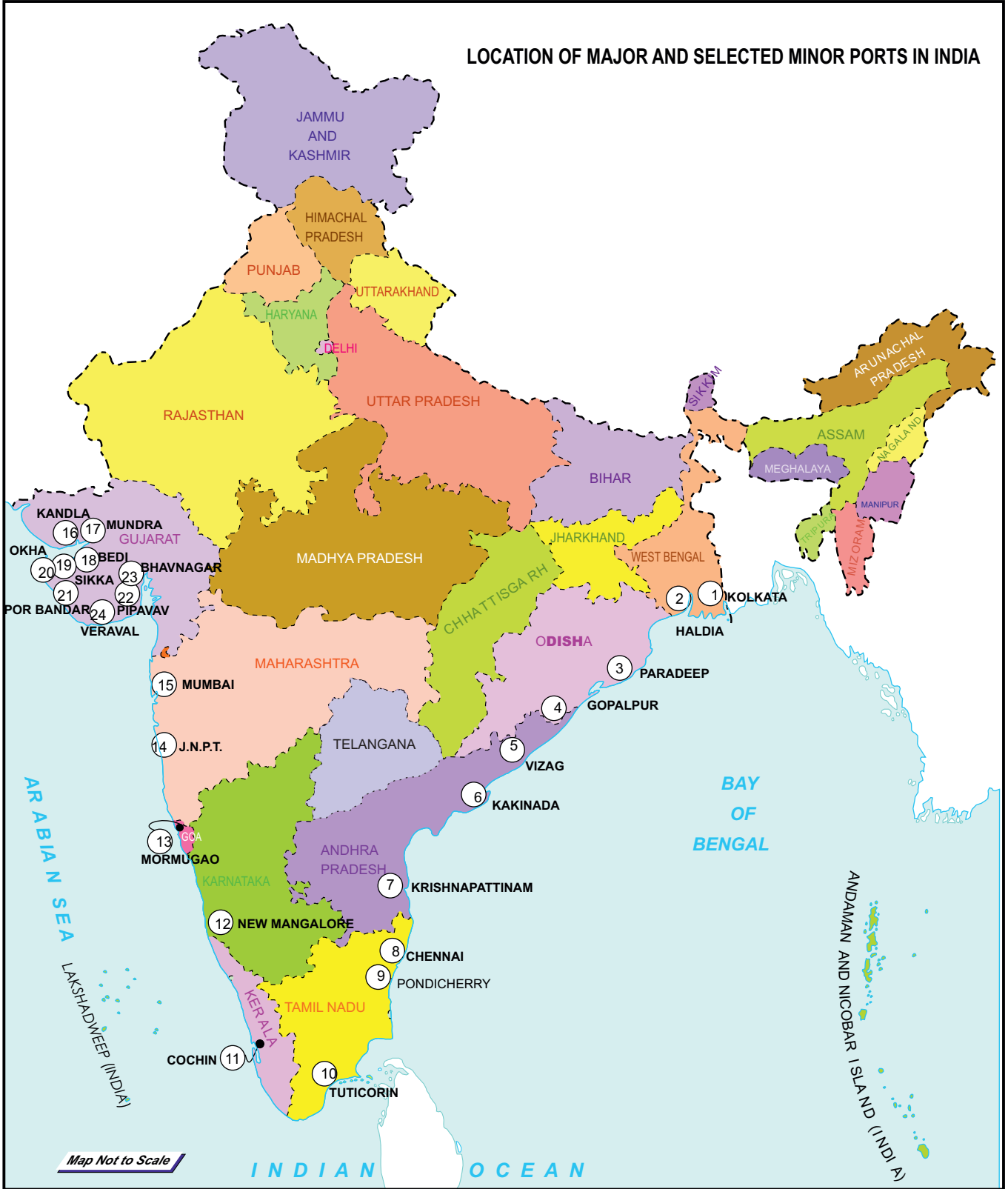
LIST OF SSP FERTILISER PLANTS (As on 1-11-2015)			
Sl. No.	State/Name of the plants and location	Sl. No.	State/Name of the plants and location
IN PRODUCTION			
Assam		Maharashtra (Concluded)	
1	Progressive Fertichem Pvt. Ltd, Topatoli, Kamrup	50	R C Fertilisers Pvt. Ltd., Lakhmapur, Nasik
Andhra Pradesh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

GAS PIPELINE NETWORK AND LOCATION OF UREA PLANTS



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

LOCATION OF MAJOR AND SELECTED MINOR PORTS IN INDIA



1.00 FERTILISER PRODUCTION CAPACITY
**1.01 (a) SECTOR-WISE CAPACITY AND PRODUCTION OF
N AND P₂O₅**

(Capacity: As on 1.11.2015)
(Production: 2014-15 April-March)
(Figures in '000 tonne nutrient)

Sector	N		P ₂ O ₅					
	Capacity	Production	Capacity			Production		
			NP/NPKs	SSP	Total	NP/NPKs	SSP	Total
Public	3533.6	3484.7	386.5	-	386.5	244.8	-	244.8
Private	6383.6	5522.7	3096.3	1640.4	4736.7	2021.9	668.0	2689.9
Cooperative	3637.7	3427.2	1712.8	-	1712.8	1175.5	-	1175.5
Total	13554.9	12434.6	5195.6	1640.4	6836.0	3442.2	668.0	4110.2

1.01 (b) SECTOR-WISE CAPACITY OF FERTILISER PRODUCTS

(Capacity: As on 1.11.2015)
(Figures in '000 tonne product)

Sector	Urea	Ammonium Sulphate (AS)	Calcium Ammonium Nitrate (CAN)	Ammonium Chloride (A.C.I.)	Complex Fertilisers (including DAP)	Single Super Phosphate (SSP)	Total product
Public	6894.4	429.5	-	-	2163.5	-	9487.4
Private	10165.9	240.6	142.5\$	105.0	8125.1	10252.2	29031.3
Cooperative	6437.1	-	-	-	4335.4	-	10772.5
Total	23497.4	670.1	142.5\$	105.0	14624.0*	10252.2	49291.2

* = Out of which DAP capacity is about 8024 thousand tonnes.

\$ = Idle capacity.

() = Figures in parentheses are saleable urea.

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 1.11.2015)	Production 2014-15	Capacity (As on 1.11.2015)		Production (2014-15)	
							N	P ₂ O ₅	N	P ₂ O ₅
I. IN PRODUCTION										
1. BVFCL:	Public									
(a) Namrup II (Assam)		N. Gas	Oct. 1976 Revamp: Nov. 2005	Urea	240.0	97.7	110.4	-	45.0	-
(b) Namrup III (Assam)		N. Gas	Oct. 1987 Revamp: March 2002	Urea	270.0	261.3	124.2	-	120.2	-
2. Coromandel International Limited (Formerly: CFL)	Private	Naphtha (Original)	1967 Expn.:1994	NP/NPKs 28-28-0	1300.0	400.0	312.0	312.0	212.6	221.6
(a) Vizag (Andhra Pradesh)		External NH ₃ (Current) Captive H ₃ PO ₄	2000	24-24-0-08 20-20-0-13 14-35-14 10-26-26						
(b) Kakinada (Andhra Pradesh)	Private	External NH ₃ External H ₃ PO ₄	Trial production—> Train I Dec.1987 Train II Feb. 1988 Expn. Train I & Train II April 2002	DAP 20-20-0-13 24-24-0-8 28-28-0 17-17-17 14-35-14 10-26-26 12-32-16						
(b) Ennore (Tamil Nadu)	Private	External NH ₃ Captive H ₃ PO ₄	March 1963 Expn. April'97 & April 2000	APS:16-20-0-13 20-20-0-13						
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 ¹	975.9	470.6	-	448.9	-
(ii) Unit II		N. Gas	October 1999 Debottle/revamp: April 2009	Urea	990.0 ¹	876.4	455.4	-	403.1	-
Total (Unit I +Unit II)				Urea	2013.0	1852.3	926.0	-	852.1	-
4. Hindustan Chemicals Co., Surat (Gujarat)	Private	External NH ₃	Dec.1982	A/S	2.6	1.8	0.5	-	0.4	-
5. Deepak Fertilisers & Petro Chemicals Corpn. Ltd., Taloja (Maharashtra)	Private	N. Gas External H ₃ PO ₄	March, 1992 Expn. April 2003	Ammonium Nitro Phosphate 24-24-0	229.5	39.0	55.1	55.1	9.4	9.4
6. Kanpur Fert. & Cement, Kanpur (Uttar Pradesh) (Formerly Duncans Ind. Ltd.)	Private	N. Gas	Dec. 1969 Revived prodn. May, 2013	Urea	722.0	641.5	332.1	-	295.1	-
¹ = 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 1.11.2015)	Production 2014-15	Capacity (As on 1.11.2015)		Production (2014-15)		
							N	P ₂ O ₅	N	P ₂ O ₅	
7. FACT:	Public										
(a) Udyogamandal (Kerala)		Naphtha Captive H ₃ PO ₄	June 1947	A/S (Closed:Oct.1990)							
			Stage I Dec.1960	APS :			}	76.1	29.7	51.7	26.9
			Stage II Nov.1962	20-20-0-13	148.5	134.5					
			Stage III Nov.1967	16-20-0-13							
			Stage IV Nov.1971	A/CI (Closed:							
			Stage V March 1991 (Caprolactum) Ammonia replacement: March 1998	A/S (By prod- uct from caprolactum)	225.0	120.4					
(b) Cochin I (Kerala)		Naphtha	April 1973	Urea	330.0 (Idle)	NIL	152 (Idle)	-	-	-	
(c) Cochin II (Kerala)		External NH ₃ Captive H ₃ PO ₄	December 1976	NP/NPKs: 20-20-0-13	485.0	468.4	97.0	97.0	93.7	93.7	
8. GNFC, Bharuch (Gujarat)	Private	N. Gas	1982 Expn. April 1991	Urea CAN (25%N) ANP (20-20-0)	636.9 142.5 142.5	704.1 Nil 206.0	}	357.1	28.5	365.1	41.2
9. GSFC :	Private										
(a) Vadodara (Gujarat)		N. Gas Captive H ₃ PO ₄	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	353.5 280.7 Nil 318.7	}	257.4	40.0	284.4	56.1
(b) Vadodara (Gujarat) (Polymer Unit)		External NH ₃	June 1981	A/S	10.0	9.0					
(c) Sikka I (Gujarat) (Train A & B)		External NH ₃ H ₃ PO ₄	Trial - Dec.1986 Commercial - June'87	DAP 10-26-26 12-32-16 20-20-0-13	326.0 1.3 14.2 57.3	314.6 1.3 14.2 57.3					
(d) Sikka II (Gujarat) (Train C)		External NH ₃ External H ₃ PO ₄	Trial - June 2002 Commercial - Oct. '02	DAP	396.0	(Included in Sikka I)					
Total (Sikka I & II) (Train A,B & C)				DAP 10-26-26 12-32-16 20-20-0-13	722.0 1.3 14.2 57.3	390.3 1.3 14.2 57.3	}	130.0	332.2	69.9	161.0

1-15

(Continued)

1.01 (c) CAPACITY AND PRODUCTION OF NITROGENOUS & COMPLEX FERTILISERS PLANT-WISE AND PRODUCT-WISE (Continued)										
Name of the plant/ location	Sector	Feedstock / Intermediate	Date of commissioning	Name of the product	End product		Nutrient			
					Capacity (As on 1.11.2015)	Production 2014-15	Capacity (As on 1.11.2015)		Production (2014-15)	
							N	P ₂ O ₅	N	P ₂ O ₅
10. Greenstar Ferts. Ltd., Tuticorin (Tamil Nadu)# (Formerly: SPIC)	Private	External NH ₃ Captive & External H ₃ PO ₄	Original: April 1977 (Train I) March 1983 (Train II) July 1988 (Retrofitting of Train I) October 2011#	DAP 20-20-0-13	347.0	228.2	115.5	211.0	80.1	144.0
					259.1	195.1				
11. Hindalco Industries Ltd., Dahej (Gujarat)	Private	External NH ₃ Captive H ₃ PO ₄	Sept. 2000	DAP NP/NPK (In lieu of DAP) 10-26-26 12-32-16	400.0	298.8	72.0	184.0	53.8	137.5
						Nil Nil				
12. IFFCO :	Cooperative									
(a) Kalol (Gujarat)		N.Gas	April 1975 Expn. Sept.1997	Urea	544.5	597.4	250.5	-	274.8	-
(b) Kandla (Gujarat)		External NH ₃ External H ₃ PO ₄	Nov. 1974/Jan. 1975 Expn. 1981 Expn. June 1999	NP/NPK : 10-26-26 12-32-16 DAP	2415.4	515.0	351.5	910.0	207.6	543.2
						775.0 350.0				
(c) Phulpur (Uttar Pradesh)										
(i) Unit I		N. Gas	March 1981 Debottle/revamp: 2008	Urea	697.9 ²	577.8	321.0	-	265.8	-
(ii) Unit II		N. Gas	Expn. Dec.1997 Debottle/revamp: 2008	Urea	999.9 ¹	883.9	460.0	-	406.6	-
Total (Unit I +Unit II)				Urea	1697.8	1461.7	781.0	-	672.4	-
(d) Aonla (Uttar Pradesh)										
(i) Unit I		N. Gas	Trial: May 1988 Commercial :July'88 Debottle/revamp: 2008	Urea	999.9 ¹	1046.4	459.9	-	481.3	-
(ii) Unit II		N. Gas	Expn. Nov. 1996 Debottle/revamp: 2008	Urea	999.9 ¹	1020.9	459.9	-	469.6	-
Total (Unit I +Unit II)				Urea	1999.8	2067.3	919.8	-	951.0	-
(e) Paradeep (Orissa) (Formerly: Oswal Chems. & Fert.)		External NH ₃ Captive H ₃ PO ₄	Original: April 2000 Sept. 2005	DAP 28-28-0 20-20-0-13 10-26-26 12-32-16	420.0	1500.0	325.2	802.8	297.9	632.3
						1054.9 Nil 421.3 103.2 112.2				

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

² = 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 1.11.2015)	Production 2014-15	Capacity (As on 1.11.2015)		Production (2014-15)	
							N	P ₂ O ₅	N	P ₂ O ₅
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 ¹	1021.4	508.5	-	469.9	-
14. KRIBHCO, Hazira (Gujarat)	Coop- erative	N. Gas	March 1986 Debottle/revamp: May 2012	Urea	2195.0 ³	2225.0	1009.7	-	1023.5	-
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 ⁵	1054.1	397.7	-	484.9	-
16. MFL, Manali (Tamil Nadu)	Public	Naphtha	Nov. 1971	Total Urea	486.8	328.9	254.3	142.8	163.9	12.6
		External H ₃ PO ₄	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	840.0					74.3 Nil Nil
17. MCFL, Mangalore (Karnataka)	Private	Naphtha	March 1976	Urea	379.5	250.6	222.2	109.2	146.4	70.5
		External NH ₃ and H ₃ PO ₄	Expn. Dec. 1986	DAP 20-20-0-13	260.0	140.6 29.2				
18. Nagarjuna Fertilizers & Chemicals Ltd., Kakinada (Andhra Pradesh)	Private	N. Gas	Trial :July 1992, Commercial : Aug. 1992 Debottle/revamp: Oct. 2009	Unit I	767.3 ⁴	349.3	353.0	-	160.7	-
			Expn.March'98 Debottle/revamp: Oct. 2009	Unit II	752.7 ⁴	583.0	346.2	-	268.2	-
		Total (Unit I +Unit II)				Urea	1520.0	932.3	699.2	-	428.9	-
19. NFL :	Public									
(a) Bhatinda (Punjab)		N. Gas	Oct. 1979	Urea	511.5	560.2	235.0	-	257.7	-
(b) Nangal (Punjab)		N. Gas	Nov.1978, Expn.:April 2001	Urea	478.5	478.5	220.1	-	220.1	-
(c) Panipat (Haryana)		N. Gas	September 1979	Urea	511.5	511.5	235.0	-	235.3	-
(d) Vijaipur (Madhya Pradesh)		N. Gas	Trial : Dec. 1987. Commercial :July 1988 Debottle/revamp: April 2012	Urea	999.9 ¹	951	460.0	-	437.5	-
			Expn. March 1997 Debottle/revamp: July 2012	Urea	1066.2 ¹	1137.6	490.4	-	523.3	-
Total (Unit I +Unit II)				Urea	2066.1	2088.6	950.4	-	960.8	-

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

⁵ = Reassessed capacity.

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

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

(Continued)

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1.01 (c) CAPACITY AND PRODUCTION OF NITROGENOUS & COMPLEX FERTILISERS PLANT-WISE AND PRODUCT-WISE (Continued)															
Name of the plant/ location	Sector	Feedstock / Intermediate	Date of commissioning	Name of the product	End product		Nutrient								
					Capacity (As on 1.11.2015)	Production 2014-15	Capacity		Production						
							(As on 1.11.2015)		(2014-15)						
							N	P ₂ O ₅	N	P ₂ O ₅					
20. Paradeep Phosphates Ltd., I & II, Paradeep (Odisha)	Private	External NH ₃ Captive & External H ₃ PO ₄	August 1986	DAP 15-15-15-09 10-26-26 12-32-16 20-20-0-13	720.0	573.7 23.2 82.8 30.0 373.5	130.0	331.0	193.3	373.2					
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 ⁵					2178.0	920.0	-	1001.9	-
(b) Trombay (I & IV) (Maharashtra)		N. Gas Captive H ₃ PO ₄	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) 15-15-15 Nitro Phosphate: 20-20-0 Ammonium Nitrate Phosphate :		420.0 270.0					396.8 260.5	117.0	117.0	111.6	111.6
(c) Trombay V (Maharashtra)		N. Gas	July 1982	Urea	330.0	423.5	152.0	-	194.8	-					
22. Rashtriya Ispat Nigam Ltd., Visakhapatnam (Andhra Pradesh) (Visakhapatnam Steel Plant)	Public	COG	July 1989	A/S	48.0	46.0e	9.9	-	9.5e	-					
23. SAIL :	Public														
(a) Bhilai (Chhattisgarh)		COG	January 1955 Expn. I — Dec.1959 Expn. II — June 1983	A/S	55.0	35.0	11.3	-	7.2	-					
(b) Bokaro (Jharkhand)		COG	October 1972 Expn. I — Nov. 1973 Expn. II — March 1977	A/S	36.3	24.3	7.5	-	5.0	-					
(c) Durgapur (West Bengal)		COG	April 1960	A/S	14.0	12.9	2.9	-	2.7	-					
(d) IISCO, Burnpur-Kulti (West Bengal)		COG	1947	A/S	23.0	9.3	4.7	-	1.9	-					
(e) Rourkela (Odisha)		COG	March 1967	A/S	28.2	8.1	5.8	-	1.7	-					
(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)	-	-	-					

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

e = Estimated.

(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 1.11.2015)	Production 2014-15	Capacity (As on 1.11.2015)		Production (2014-15)				
							N	P ₂ O ₅	N	P ₂ O ₅			
24. SFC, Kota (Rajasthan)	Private	N. Gas	Feb. 1969 Expn.—Dec. 1974	Urea	379.5	397.6	174.6	-	182.9	-			
25. SPIC, Tuticorin # (Tamil Nadu)	Private	Naphtha	June 1975	Urea	620.0	491.9	285.2	-	226.3	-			
26. Tata Chemicals Ltd.:	Private												
(a) Babrala (Uttar Pradesh)		N. Gas	Dec. 1994 Debottle/revamp: Nov. 2008	Urea	1155.0 ¹	1250.5	531.3	-	575.2	-			
(b) Haldia (Phosphatic Division) (West Bengal)		External NH ₃ Captive & External H ₃ PO ₄	January, 1985 Expn. January 1995	DAP: NPK : 10-26-26 12-32-16 20-20-0-13	} 660.0	82.7 391.0 104.9 80.5	} 118.8	303.6	82.7	189.3			
27. Tuticorin Alkali Chems. & Ferts. Ltd., Tuticorin (TN)	Private	External NH ₃	July 1982 Expn. Oct. 1999	A/Cl.		105.0			40.4	26.3	-	10.1	-
28. ZACL, Zuari Nagar (Goa)	Private	N. Gas External H ₃ PO ₄	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		} 330.0			363.4 Nil 78.3 364.2 40.4 158.6	} 335.5	244.2	251.8	195.4
Total (All plants)									Straight fertilisers			10896.1	1640.4*	10523.4	668.0*
					Complex fertilisers		2658.8	5195.6	1911.2			3442.2	
					Total		13554.9	6836.0	12434.6			4110.2	

¹ = 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.

NH₃ - Ammonia H₃PO₄ = Phosphoric acid

(Continued)

1.01 (c) CAPACITY AND PRODUCTION OF NITROGENOUS & COMPLEX FERTILISERS PLANT-WISE AND PRODUCT-WISE (Concluded)								
Name of the plant/ location	Sector	Feedstock	Date of commissioning	Product	Capacity ('000 tonnes)			
					Product	Nutrient		
						N	P ₂ O ₅	
II. UNDER IMPLEMENTATION								
A. New Plant (Green Field)								
1. Matix Ferts. & Chems., Panagarh (W. Bengal)	Private	CBM	2015-16	Urea	1270.5	584.0	-	
B. Expansion								
1. GSFC, Sikka (Gujarat) (Train D)	Private	External NH ₃ , External H ₃ PO ₄	2017	DAP/ NPK	495.0 561.0	145.2	373.6	
III. PLANNED								
1. GSFC, Dahej (Gujarat)	Private	By product from Caprolactum		Ammonium Sulphate	140.0 or 230.0	28.8 or 47.4	-	
					(based on technology selected)			
2. Ramagundam Fertilizers and Chemicals Ltd., Ramagundam (A.P.)	Public	N. Gas	2018-19	Urea	1270.5	584.4	-	
Note:								
1. The Government of India announced New Investment Policy-2012 (NIP-2012) on 2nd January 2013 in order to facilitate fresh investment in Urea sector. Implementation of the policy was kept on hold for making some amendments. Amendment to New Investment Policy-2012 was announced by the Government on the 7th October, 2014. GOI invited proposals to setup new urea plants on the basis of the amended policy. Approvals by GOI for new proposals are awaited.								
2. Production of N excludes nitrogen meant for non agricultural purposes.								
Abbreviations:								
GSFC — Gujarat State Fertilizers & Chemicals Ltd.			NH ₃ - Ammonia		H ₃ PO ₄ = Phosphoric acid			
MCFL — Mangalore Chemicals & Fertilizers 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
I. IN PRODUCTION							
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 ₂ O ₅)	100% upto 550 thousand tonnes P ₂ O ₅ by IFFCO
3. ICS, Senegal (Expn.)	Darou, Senegal	IFFCO, India; ICS-Senegal	250	Feb. 2002 re-structred in 2008 and 2014	Phosphoric acid		
4. Indo Jordan Chemicals Co.	Eshidiya, Jordan	JPMC, Jordan; The Arab Investment Co.; SPIC (No more in JV)	170	May 1997	Phosphoric acid	224 (P ₂ O ₅)	100%
5. Indo Maroc Phosphore S.A (IMACID)	Jorf Lasfer, Morocco	CFCL, India; TCL, India; OCP- Morocco	230	Oct.1999 Revamp - Sept. 2006	Phosphoric acid	430 (P ₂ O ₅)	100%
6. 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 ¹
7. Tunisian Indian Fertilizers (TIFERT) SA	Skhira, Tunisia	GSFC, India; CIL, India; GCT, Tunisia; CPG, Tunisia	300	June 2013	Phosphoric acid	360 (P ₂ O ₅)	100% by GSFC & CIL
8. Jordan India Fertilizer Co. (JIFCO)	Eshidiya, Jordan	IFFCO, India; JPMC, Jordan	851	May 2014	Phosphoric acid	475.5 (P ₂ O ₅)	70-100%
II. PLANNED / PROPOSED							
1. IFFCO Canada Enterprise Ltd., (ICEL)	Quebec, Canada	IFFCO, India; Investment Quebec La Coop Fedree Canada and Pacific Gaterway Energy	1200	2017	Urea	1270	
2. JV proposed by GOI	Chabahar Iran	RCFL, India; GNFC, India; (Iranian partner yet to be indentified)	903	40 months from zero date	Urea	1270	
3. Karnalyte Resources Inc.	Canada	GSFC 20%; Canadian Public and Promoters 80%	700	Under financial closure	Potash	625	56%
¹ = 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 ₂ O ₅		
			Capacity (As on 1.11.2015)	Production 2014-15 (April-March)	Capacity (As on 1.11.2015)	Production 2014-15 (April-March)	
IN PRODUCTION							
1 . Aarti Fertilizers, Vapi, Valsad (Guj) (A division of Aarti Industries Ltd)	Pvt.	March 2003	132.0	77.5	21.1	12.4	
2 . Adheeshaa Phosphate, Umarada, Udaipur (Raj)	Pvt.	September 2013	132.0	50.5	21.1	8.1	
3 . Agri Green Ferts & Chems Pvt. Ltd., Kadapa, (AP)	Pvt.	2005	30.0	13.3	4.8	2.1	
4 . Agro Phos. (India) Ltd, Dewas, (MP)	Pvt.	2004	45.0	38.4	7.2	6.1	
5 . The Andhra Sugars Ltd., Tanuku, W.Godavari (AP)	Pvt.	March 1961 Expn.I November 1988 Expn.II Febreuary 1989	66.0	31.1	10.6	5.0	
6 . Arawali Phosphate Ltd., Umra, Udaipur (Raj)	Pvt.	April 2000	40.0	20.2	6.4	3.2	
7 . Arihant Phosphate & Fertilizers Ltd., Nimbaheda, Chittorgarh (Raj)	Pvt.		66.0	25.1	10.6	4.0	
8 . Arihant Ferts. & Chems. India Ltd., Kanawati, Neemuch (MP)	Pvt.		66.0	47.2	10.6	7.6	
9 . Asian Fertilizers Ltd., Vill. Deokahia, Gorakhpur (UP)	Pvt.	Trial Prod. November 1993 Comm. Prod. April 1993	66.0	37.3	10.6	6.0	
10 . Balaji Fertilisers Pvt. Ltd., Nanded, (Mah)	Pvt.	May 2003	20.0	n.a.	3.2	n.a.	
11 . 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	59.0 25.7 41.4	19.2 7.2 21.1	9.4 4.1 6.6	
12 . BEC Fertilizers (Unit of Bhilai Engg. Corpn. Ltd) (a) Bilaspur , (Chhattisgarh) (b) Gunjkhedha, Wardha, (Mah.)	Pvt.	June 1985 July 2001	135.0 66.0	117.0 52.0	21.6 10.6	18.7 8.3	
13 . Bharat Agri Fert & Realty Ltd., Kharivali, Thane (Mah.) (Unit I Closed 1988)	Pvt.	January 1986 October 1990	132.0	38.3	21.1	6.1	
14 . Bhaskar Fertilisers (P) Ltd., Anantapur (AP)	Pvt.	2007	45.0	11.1	7.2	1.8	
15 . Bohra Industries Ltd., Umra, Udaipur (Raj)	Pvt.	April 2001	200.0	68.7	32.0	11.0	
16 . Chambal Fertilisers & Chemicals Ltd., Gadepan (Raj)	Pvt.	October 2012	180.0	138.3	28.8	22.1	
17 . Chemtech Fertilizers Ltd., Kazipalli, Medak (Telangana)	Pvt.	2001	33.0	10.5	5.3	1.7	
18 . Coimbatore Pioneer Fertilizers Ltd., Muthugoundanpudur Post, Via Sulur Coimbatore (TN)	Pvt.	February 1966	66.0	33.8	10.6	5.4	
19 . Coromandel International Ltd., Ranipet, N. Arcot (TN) (Formerly EID Parry)	Pvt.	1906 Exp. 1994	132.0	106.2	21.1	17.0	
(Continued)							

1.02(a) CAPACITY AND PRODUCTION OF SINGLE SUPERPHOSPHATE - PLANT-WISE (Continued)						
Name of the plant/location	Sector	Date of commissioning	End-product		P ₂ O ₅	
			Capacity (As on 1.11.2015)	Production 2014-15 (April-March)	Capacity (As on 1.11.2015)	Production 2014-15 (April-March)
20 . Coromandel International Ltd. (Formerly Liberty Phosphate Ltd.) (a) Madri, Udaipur (Raj)	Pvt.	Feburay 1977 Expn. I October 1978 Expn.II October 1982 Expn.III August 1995	264.0	143.2	42.2	22.9
(b) Nandesari, Vadodara (Guj)			100.0	73.8	16.0	11.8
(c) Jagpura, Kota (Raj)			132.0	72.8	21.1	11.7
(d) Pali, Raigad (Mah)			66.0	31.0	10.6	5.0
(e) Raebareli (UP)		2013	132.0	27.4	21.1	4.4
(f) Nimrani, Khargone (MP) (Formerly Liberty Urvarak Ltd.)			100.0	71.4	16.0	11.4
21 . Datta Agro Services Pvt. Ltd., Bhokari, Jalgaon (Mah)	Pvt.	September 2011	132.0	54.0	21.1	8.6
22 . Devyani Phosphate Pvt. Ltd., Udaipur, (Raj)	Pvt.	July 2009	60.0	n.a.	9.6	n.a.
23 . Dharamsi Morarji Chemical Co.Ltd., Khemli, Udaipur (Raj)	Pvt.	October 1953	66.0	nil	10.6	nil
24 . GDS Chemicals & Fert Pvt Ltd., Anakapalli, Visakhapatnam (AP)	Pvt.	November 2000	36.0	17.0	5.8	2.7
25 . Gayatri Spinners Ltd., Hamirgarh, Bhilwara (Raj)	Pvt.	June 1997	30.0	14.0	4.8	2.2
26 . Greenstar Fertilizers Ltd., Guindy (TN)	Pvt.	2013	115.0	33.2	18.4	5.3
27 . Indian Phosphate Ltd, Umrada, Udaipur, (Raj)	Pvt.	November 2005	130.0	50.6	20.8	8.1
28 . Indra Industries Ltd., Indore, Dhar (MP) (Formerly Swastik Ferts & Chems Ltd.)	Pvt.	July 1990	66.0	29.9	10.6	4.8
29 . The Jay Shree Chemicals & Fertilisers, Khardah, 24 Parganas (WB)	Pvt.	December 1961 I Expn.March 1973 II Expn.August 1984 November 1984	132.0	71.7	21.1	11.5
30 . Jagdamba Phosphate, Kota (Raj)	Pvt.	May 2013	132.0	19.2	21.1	3.1
31 . Jubilant Agri and Consumer Products Ltd., Bhartiagram, Gajraula (UP) (Formerly Vam Organic Chemicals Ltd.)	Pvt.	June 1986 Expn. Nov. 1996	165.0	86.7	26.4	13.9
32 . Jubilant Agri and Consumer Products Ltd., Singhpur, Kapasan, Chittorgarh (Raj)	Pvt.		264.0	64.8	42.2	10.4
33 . K.P.R. Fertilizers Ltd. (a) Biccavolu, E. Godavari (AP)	Pvt.	July 2007	90.0	25.6	14.4	4.1
(b) Halvarthi, Koppal (Karnataka)	Pvt.	September 2010	60.0	26.4	9.6	4.2
34 . KMN Chemicals & Fertilizers Ltd., Diwanganj, Raisen (MP)	Pvt.		60.0	n.a.	9.6	n.a.
35 . Kasturchand Fertilizers, Wadsa, Gadichiroli (Mah) (Erstwhile Jairam Phosphates Ltd.)	Pvt.	January 2000	66.0	n.a.	10.6	n.a.
36 . Kisan Phosphates Pvt. Ltd., Gawar, Hisar (Har)	Pvt.	2014	132.0	29.6	21.1	4.7

(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 ₂ O ₅		
			Capacity (As on 1.11.2015)	Production 2014-15 (April-March)	Capacity (As on 1.11.2015)	Production 2014-15 (April-March)	
37 . Khaitan Chemicals & Fertilizers Ltd., (a) Goramachhia, Jhansi (UP) (b) Malwan, Fatehpur (UP) (c) Dahej, Bharuch (Guj) (d) Rajnandgaon, Chhattisgarh (e) Nimrani, Khargone (MP) (f) Nimbahera, Chittorgarh (Raj)	Pvt.	October 1986 December 1988 2014 Pvt. Pvt. May 1987 Pvt.	132.0 115.0 181.5 66.0 400.0 198.0	40.4 40.1 25.0 27.1 130.5 59.1	21.1 18.4 29.0 10.6 64.0 31.7	6.5 6.4 4.0 4.3 20.9 9.4	
38 . Kothari Industrial Corporation Ltd., Ennore, (TN)	Pvt.		66.0	nil	10.6	nil	
39 . Krishna Industrial Corporation Ltd., Nidadavole, West Godavari (AP)	Pvt.	April 1964	45.0	14.7	7.2	2.4	
40 . Krishna Phoschem Ltd., Meghnagar, Jhabua (MP)	Pvt.	October 2012	120.0	86.1	19.2	13.8	
41 . Madhya Bharat Agro Products Ltd., Rajoa, Sagar (MP)	Pvt.		60.0	41.9	9.6	6.7	
42 . Madhya Bharat Phosphate Pvt. Ltd., Unit I, Diwanganj, Sanchi, Raisen (MP)	Pvt.		132.0	45.0	21.1	7.2	
43 . Madhya Bharat Phosphate Pvt. Ltd., Unit II, Meghnagar, Jhabua (MP)	Pvt.		165.0	85.0	26.4	13.6	
44 . Madan Madhav Fertilizers & Chems Pvt. Ltd., Fetehgarh (UP)	Pvt		24.0	14.2	3.8	2.3	
45 . Mangalam Phosphates Ltd., Hamirgarh, Bhilwara (Raj)	Pvt.		72.0	22.0	11.5	3.5	
46 . Mexican Agro Chemicals Ltd., Jaggakhedi, Mandsaur (MP) (Formerly Asha Phosphates Ltd.),	Pvt.	January 1999	60.0	n.a.	9.6	n.a.	
47 . Mukteswar Fertilizers Ltd., Narayankhedi, Ujjain (MP)			60.0	n.a.	9.6	n.a.	
48 . Narmada Agro Chemicals Pvt. Ltd., Mangrol, Junagadh (Guj)	Pvt.		15.0	2.5	2.4	0.4	
49 . Narmada Bio-chem Pvt Ltd., Kalyangadh, Ahmedabad (Guj)	Pvt	November 2011	132.0	61.3	21.1	9.8	
50 . Natraj Organics Ltd., Muzaffarnagar (UP)	Pvt.		60.0	n.a.	9.6	n.a.	
51 . NG Fertilizers & Chemicals Pvt. Ltd., Kodurupadu Village, Krishna Dist (AP)	Pvt.	March 2014	200.0	42.7	32.0	6.8	
52 . Nirma Ltd., Moraiya, Ahmedabad (Guj)	Pvt.	1995	100.0	41.6	16.0	6.7	
53 . Nitin Chemicals & Fertilizers Ltd., Rukri, Ambala, (Har)	Pvt.	April 2010	20.0	nil	3.2	nil	
54 . Ostwal Phoschem (India) Ltd., Hamirgarh, Bhilwara (Raj) (Formerly TEDCO Granite)	Pvt.	March 1996	132.0	75.1	21.1	12.0	
55 . The Phosphate Company Ltd., Rishra, Hoogly (WB)	Pvt.	1950 Expn.I Dec.1967 Expn.II June 1973	112.8	60.9	18.0	9.7	
56 . Patel Phoschem (P) Ltd., Umarda, Udaipur (Ra)	Pvt.	September 11, 2012	100.0	54.6	16.0	8.7	

(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 ₂ O ₅		
			Capacity (As on (1.11.2015))	Production 2014-15 (April-March)	Capacity (As on (1.11.2015))	Production 2014-15 (April-March)	
57 . Prathyusha Chems and Fertilisers Ltd., Parwada, Visakhapatnam (AP)	Pvt.	August 2000	100.0	31.4	16.0	5.0	
58 . Prem Sakhi Ferts. Ltd., Lakadwas, Udaipur (Ra	Pvt.		66.0	34.2	10.6	5.5	
59 . Progressive Fertichem Pvt. Ltd., Topatoli, Kamrup (Assam)	Pvt.	March 2010	45.0	23.9	7.2	3.8	
60 . Rajlaxmi Agrotech India Pvt. Ltd., Gundewadi, Jalna (Mah)	Pvt.	June 1996	60.0	48.5	9.6	7.8	
61 . R. C. Fertilisers Ltd., Lakhmapur, Nasik (Mah)	Pvt.		132.0	62.8	21.1	10.0	
62 . Rama Krishna Rasayan, Loni Kalbhor, Pune (Mah) (A division of Rama Phosphates Ltd.)	Pvt.	Mundhawa 1950 shifted site and recommissioned in June 1967, Expn. April 1986	132.0	121.8	21.1	19.5	
63 . RM Phosphate and Chems Pvt Ltd., Nardala, Dhule (Mah)	Pvt.	2013	264.0	49.2	42.2	7.9	
64 . Rama Phosphates Ltd., Indore (MP)	Pvt.	August 1987 Expn. August 1994	165.0	106.8	26.4	17.1	
65 . Rama Phosphates Ltd., Umra, Udaipur (Raj)	Pvt.	October 1996	181.0	106.2	29.0	17.0	
66 . Sadhana Phosphates & Chems Ltd., Gudli, Udaipur (Raj)	Pvt.	April 1998 Expan. October 1999	120.0	50.1	19.2	8.0	
67 . Sai Fertilizers Pvt. Ltd., Dewanmara, W. Midnapur (WB)	Pvt.		132.0	65.7	21.1	10.5	
68 . Shiva Global Agro Industries Ltd., Nanded (Mah) (Formerly Shiva Fertilizers Ltd.)	Pvt.	April 1994	120.0	72.5	19.2	11.6	
69 . Shri Bhavani Mishra Fertilizers Pvt. Ltd., Vazirabad, Nanded (Mah)	Pvt.		30.0	n.a.	4.8	n.a.	
70 . Shri Ganapati Fertilizers Ltd., Kapasan, Chittorgarh (Raj)	Pvt.	April 2000	99.0	35.0	15.8	5.6	
71 . Shri Gajraj Fertilizers Pvt. Ltd., Bhojar, Yavatmal (Mah)	Pvt.		28.0	n.a.	4.5	n.a.	
72 . Shree Pushkar Chems & Fertiliser Ltd., Lote Porshuram, Tal. Khed, Ratnagiri (Mah)	Pvt.	July 2011	100.0	46.4	16.0	7.4	
73 . Shree Datta Ferts & Chemicals Pvt Ltd., Amravati (Mah)	Pvt.		60.0	n.a.	9.6	n.a.	
74 . Shrikrishna Fertilizers Ltd., Muzaffarpur (Bihar)	Pvt.		30.0	n.a.	4.8	n.a.	
75 . Sona Phosphates Ltd., Sarigam, Valsad (Guj)	Pvt.	November 1999	15.0	n.a.	2.4	n.a.	
76 . Suman Phosphates and Chemicals Ltd., Indore (MP)	Pvt.	December 2009	330.0	10.9	52.8	1.7	
77 . Shurvi Colour Chem Ltd., Madri, Udaipur (Raj)	Pvt.	November 1987	12.0	4.7	1.9	0.8	
78 . Subhodaya Chemicals Ltd. Gauripatnam, W. Godavari (AP)	Pvt.	April 1997	42.9	14.9	6.9	2.4	

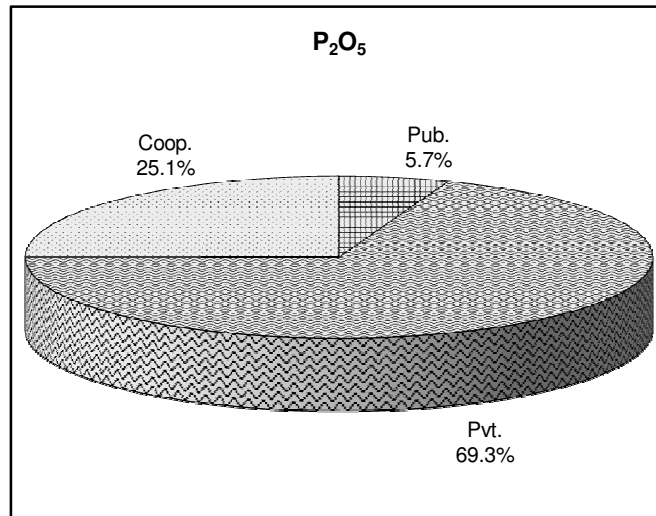
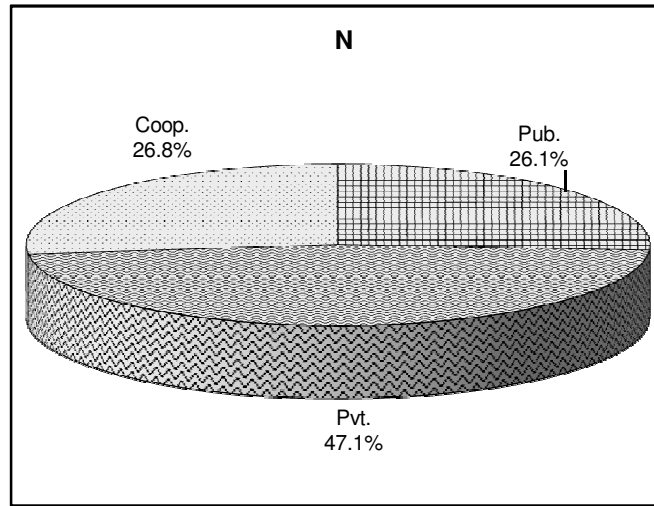
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1.02(a) CAPACITY AND PRODUCTION OF SINGLE SUPERPHOSPHATE - PLANT-WISE (Concluded)							
('000 tonnes)							
Name of the plant/location	Sector	Date of commissioning	End-product		P ₂ O ₅		
			Capacity (As on 1.11.2015)	Production 2014-15 (April-March)	Capacity (As on 1.11.2015)	Production 2014-15 (April-March)	
79 . T. J. Agro Fertilizers Pvt. Ltd., Navsari (Guj)	Pvt.	October 2003	22.0	20.1	3.5	3.2	
80 . Tata Chemicals Ltd., Haldia, Midnapur (WB) (Phosphatic Divn.)	Pvt.	January 1999	160.0	212.9	25.6	34.1	
81 . Teesta Agro Industries Ltd., Rajganj, Jalpaiguri (WB)	Pvt.	December 1991	165.0	64.6	26.4	10.3	
82 . Tungabhadra Fertilizers & Chemicals Ltd., Munirabad, Koppal (Kar)	Pvt.	1995	45.0	n.a.	7.2	n.a.	
83 . Varun Fertilizers Pvt Ltd., Dewas (MP)	Pvt.	2013	100.0	27.1	16.0	4.3	
84 . V.K. Phosphates Ltd., Bartara, Shahjahanpur (UP)	Pvt.		33.0	n.a.	5.3	n.a.	
85 . Zuari Fertilizers and Chemicals Ltd., Mahad, Dist. Raigad (Mah)	Pvt.	2015	216.0	10.1	34.6	1.6	
Total (99 Plants)**			10,252.2	4,174.8	1,640.4	668.0	
** = Includes companies having more than one plant.			n.a = not available				
Source: 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 P₂O₅ CAPACITY (As on November 1, 2015)					
Zone/State	Total SSP Plants			Total P ₂ O ₅ Capacity through SSP/NP/NPKs	Percent share of P ₂ O ₅ Capacity through SSP to total P ₂ O ₅ capacity
	No. of plants	SSP Capacity	Equivalent P ₂ O ₅ Capacity (approx.)		
East	7	776.8	124.3	1,561.7	8.0
Assam	1	45.0	7.2	7.2	100.0
Bihar	1	30.0	4.8	4.8	100.0
Odisha	-	-	-	1,133.8	-
West Bengal	5	701.8	112.3	415.9	27.0
North	10	879.0	140.6	140.6	100.0
Haryana	2	152.0	24.3	24.3	100.0
Uttar Pradesh	8	727.0	116.3	116.3	100.0
South	16	1,171.9	187.5	2,034.7	9.2
Andhra Pradesh	9	654.9	104.8	1,302.3	8.0
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
West	66	7,424.5	1,187.9	3,098.9	38.3
Gujarat	8	697.5	111.6	1,606.3	6.9
Madhya Pradesh	16	1,974.0	315.8	315.8	100.0
Chhattisgarh	2	201.0	32.2	32.2	100.0
Maharashtra	18	1,876.0	300.2	472.3	63.6
Rajasthan	22	2,676.0	428.2	428.2	100.0
Goa	-	-	-	244.2	-
All India	99	10,252.2	1,640.4	6,836.0	24.0

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

Fig. 1: SECTOR-WISE SHARE OF CAPACITY OF N AND P₂O₅
(As on November 1, 2015)

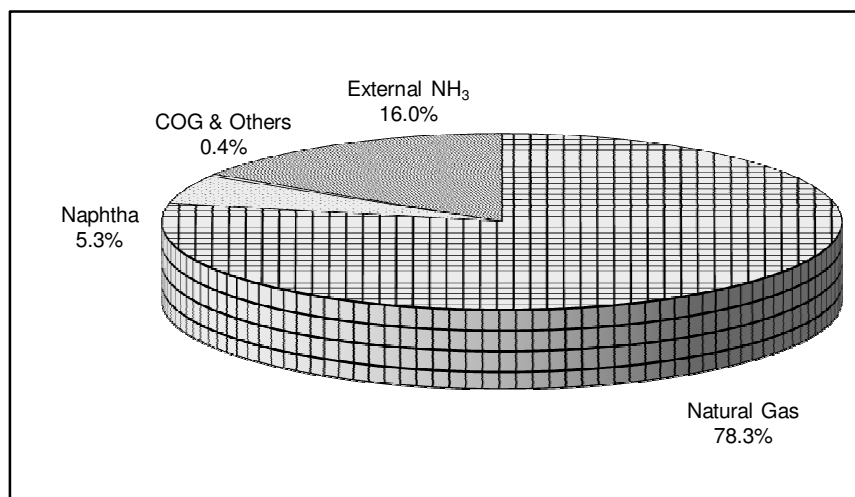


1.03 (a) CAPACITY OF NITROGEN (N) - FEEDSTOCK-WISE
(As on November 1, 2015)

Category	Natural gas	Naphtha	('000 tonnes of nutrient N per annum)		
			Coke/ Coke/ oven gas & others*	Ammonia (External supply)	Total
Plants in operation	10,614.4 (78.3)	714.1 (5.3)	51.2 (0.4)	2,175.2 (16.0)	13,554.9 (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, 2015)



1.03 (b) CAPACITY OF UREA - FEEDSTOCK-WISE
(As on November 1, 2015)

Category	('000 tonnes)			
	N. Gas	Naphtha	F.Oil	Total
Plants in operation	22011.1 (93.7)	1486.3 (6.3)	-	23497.4 (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, 2015)												
('000 tonnes)												
Zone/State	AS	CAN	Urea	ACI	Complex fertilisers					SSP	Total	
					DAP	APS	Nitro Phosphate	NP/NPKs	Total complex ferts. (other than DAP)		N	P ₂ O ₅
East Zone	101.5	-	510.0	-	2,880.0	-	-	420.0	420.0	776.8	829.5	1,561.7
Assam	-	-	510.0	-	-	-	-	-	-	45.0	234.6	7.2
Bihar	-	-	-	-	-	-	-	-	-	30.0	-	4.8
Jharkhand	36.3	-	-	-	-	-	-	-	-	-	7.5	-
Odisha	28.2	-	-	-	2,220.0	-	-	420.0	420.0	-	461.0	1,133.8
West Bengal	37.0	-	-	-	660.0	-	-	-	-	701.8	126.4	415.9
North Zone	-	-	9,046.2	-	-	-	-	-	-	879.0	4,160.5	140.6
Haryana	-	-	511.5	-	-	-	-	-	-	152.0	235.0	24.3
Punjab	-	-	990.0	-	-	-	-	-	-	-	455.1	-
Uttar Pradesh	-	-	7,544.7	-	-	-	-	-	-	727.0	3,470.4	116.3
South Zone	273.0	-	3,006.3	105.0	2,492.0	1,232.6	-	2,140.0	3,372.6	1,171.9	2,492.2	2,034.7
Andhra Pradesh	48.0	-	1,520.0	-	1,925.0	-	-	1,300.0	1,300.0	654.9	1,367.6	1,302.3
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
West Zone	295.6	142.5	10,934.9	-	2,652.0	200.0	1,062.0	1,545.4	2,807.4	7,424.5	6,072.7	3,099.0
Gujarat	240.6	142.5	3,747.0	-	2,322.0	200.0	142.5	1,215.4	1,557.9	697.5	2,430.8	1,606.3
Madhya Pradesh	-	-	2,066.1	-	-	-	-	-	-	1,974.0	950.4	315.8
Chhattisgarh	55.0	-	-	-	-	-	-	-	-	201.0	11.3	32.2
Maharashtra	-	-	2,330.0	-	-	-	919.5	-	919.5	1,876.0	1,244.1	472.3
Rajasthan	-	-	2,392.5	-	-	-	-	-	-	2,676.0	1,100.6	428.2
Goa	-	-	399.3	-	330.0	-	-	330.0	330.0	-	335.5	244.2
All India	670.1	142.5	23,497.4	105.0	8,024.0	1,432.6	1,062.0	4,105.4	6,600.0	10,252.2	13,554.9	6,836.0
Share to Capacity (%)												
N	1.0	0.3	79.7	0.2	10.7	2.1	1.6	4.4	8.1	-	100.0	
P₂O₅	-	-	-	-	54.0	4.2	3.1	14.7	22.0	24.0		100.0

1.05 CAPACITY AND ESTIMATED INVESTMENT IN THE FERTILISER INDUSTRY						
Year/Period	Capacity during the period*		Estimated investment during the period			
	('000 tonnes)		(Rs. crore)			
	N	P ₂ O ₅	Public	Coop.	Private	Total
I. In Production						
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)

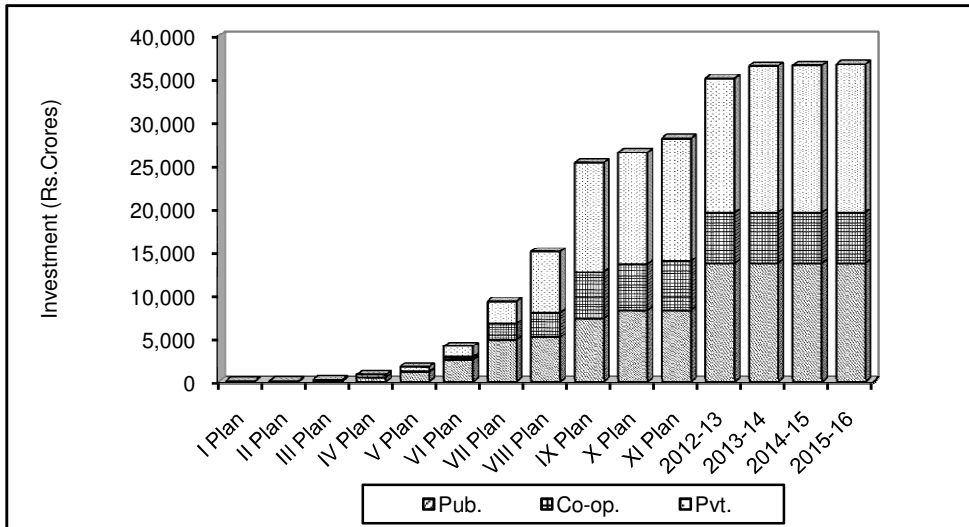
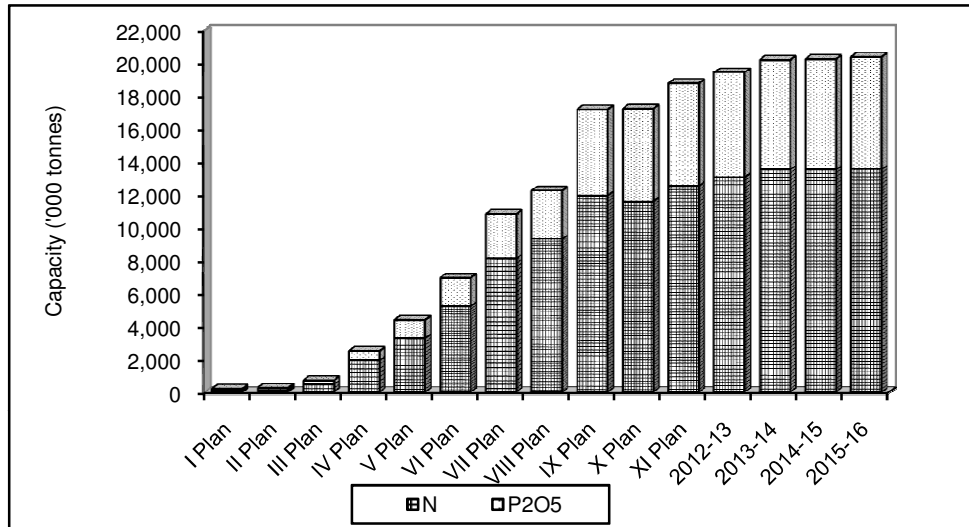
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1.05 CAPACITY AND ESTIMATED INVESTMENT IN THE FERTILISER INDUSTRY (Concluded)						
Year/Period	Capacity during the period*		Estimated investment during the period (Rs. crore)			
	('000 tonnes)		Sector			
	N	P ₂ O ₅	Public	Coop.	Private	Total
1995-96	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	22	103	-	-	140.0	140.0
(As on 1.11.2015)	(13,555)	(6,836)	(13,697.3)	(5,828.3)	(17,161.8)	(36,687.4)

* = 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 ₂ O ₅) ACCORDING TO RAW MATERIALS (As on November 1, 2015)					
('000 tonnes of P ₂ O ₅ per annum)					
Category/ type of fertilisers	Raw Materials				
	Sulphuric acid*	Smelter gases	Nitric acid	Phosphoric acid (External supply)	Total
Factories in production					
1. SSP	1640.4	--	--	--	1640.4
2. NP/NPK fertilisers	1777.3	184.0	154.3	3080.0	5195.6
			52.8 @		52.8 @
I. Total	3417.7	184.0	154.3	3080.0	6836.0
	(50.0)	(2.7)	(2.3)	(45.0)	(100.0)
* = Captive + purchased sulphuric acid.					
@ = Also use phosphoric acid as a source of P ₂ O ₅ . 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 ₂ O ₅ 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 2015									
('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% ¹ N	Nitro phos- phate 20-20-0	@ 18-46-0	16-20-0 20-20-0 ²
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 ²
6.	October 1, 1990	1,063.5	-	14,695.0	156.8	800.0	360.0a	2,653.0	51.5 148.5 ²
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 ²
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 ²
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 ²
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 ²
11.	October 1, 1995	886.5	-	16,341.0	132.0	942.5	360.0a 372.0c	2,653.0	95.0 633.2 ²
12.	October 1, 1996	886.5	-	17,067.0	132.0	942.5	361.0a 372.0c	2,653.0	95.0 633.2 ²
13.	October 1, 1997	923.6	-	18,254.2	132.0	942.5	361.0a 372.0c	2,823.0	170.0 633.2 ²
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 ²
17.	October 1, 2001	764.5	-	20,750.5	171.0	942.5	361.0a 372.0c	6,101.0	170.0 1033.5 ²
18.	October 1, 2002	764.5	-	19,791.3	171.0	942.5	503.5a 229.5c	6,998.6	170.0 1053.5 ²
19.	October 1, 2003	764.5	-	19,791.3	105.0	462.5	503.5a 300.0c	6,998.6	170.0 1053.5 ²
20.	November 1, 2004	764.5	-	19,746.3	105.0	462.5	503.5a 300.0c	6,827.0	170.0 1292.5 ²
21.	November 1, 2005	616.5	-	19,986.3	105.0	142.5	503.5a 300.0c	6,827.0	170.0 1292.5 ²
22.	November 1, 2006	616.5	-	19,986.3	105.0	142.5	503.5a 300.0c	6,987.0	150.0 1497.6 ²
23.	November 1, 2007	616.5	-	19,986.3	105.0	142.5	503.5a 300.0c	7,032.0	150.0 1477.6 ²
24.	November 1, 2008	616.5	-	20,829.4	105.0	142.5	503.5a 300.0c	7,032.0	150.0 1477.6 ²
25.	November 1, 2009	616.5	-	21,646.5	105.0	142.5	503.5a 229.5c	7,047.0	300.0 1597.6 ²
26.	November 1, 2010	616.5	-	21,646.5	105.0	142.5	503.5a 229.5c	7,022.0	300.0 1572.6 ²
27.	November 1, 2011	616.5	-	21,646.5	105.0	142.5	412.5a 229.5c	6,997.0	300.0 1598.1 ²
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 229.5c	8,024.0	300.0 1132.6

@ = 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 2015									
('000 tonnes)									
Sl. No.	Capacity as on	NP/NPK Fertilisers			Phosphatic fertilisers			Total	
		19-19-19/ 28-28-0 14-35-14 ^s	17-17-17/ 14-28-14	10-26-26/ 12-32-16 15-15-15 ^d	Pelofos 18% P ₂ O ₅	SSP 16% P ₂ O ₅	TSP 46% P ₂ O ₅	N	P ₂ O ₅
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 ^s	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 ^s	1,005.0	800.0 300.0 ^d	-	5,219.8	27.0b	8,146.8	2,751.4
7.	October 1, 1991	251.0 96.5 ^s	1,005.0	800.0 300.0 ^d	-	5,107.5	27.0b	8,211.0	2,770.5
8.	October 1, 1992	251.0 96.5 ^s	1,005.0	800.0 300.0 ^d	-	5,017.6	27.0b	8,509.9	2,813.7
9.	October 1, 1993	401.0 96.5 ^s	540.0	800.0 300.0 ^d	-	5,083.6	27.0b	8,509.9	2,824.4
10.	October 1, 1994	401.0 96.5 ^s	540.0	800.0 300.0 ^d	-	5,217.4	-	8,844.0	2,833.6
11.	October 1, 1995	401.0 96.5 ^s	540.0	800.0 300.0 ^d	-	5,783.6	-	8,998.2	2,924.1
12.	October 1, 1996	401.0 96.5 ^s	540.0	800.0 300.0 ^d	-	5,928.1	-	9,332.2	2,948.2
13.	October 1, 1997	401.0 96.5 ^s	840.0	800.0 300.0 ^d	-	6,575.7	-	9,956.6	3,164.8
14.	October 1, 1998	401.0 96.5 ^s	840.0	800.0 300.0 ^d	-	6,487.2	-	10,570.9	3,206.2
15.	October 1, 1999	401.0 96.5 ^s	840.0	1057.0 300.0 ^d	-	6,616.3	-	11,068.0	3,747.9
16.	October 1, 2000	440.0 200.0 ^s	840.0	1467.0 300.0 ^d	-	6,696.4	-	11,987.7	4,987.7
17.	October 1, 2001	440.0 200.0 ^s	840.0	1440.0 300.0 ^d	-	7,823.6	-	11,953.0	5,248.8
18.	October 1, 2002	440.0 200.0 ^s	840.0	1510.4 300.0 ^d	-	6,294.0	-	11,684.1	5,415.2
19.	October 1, 2003	440.0 200.0 ^s	840.0	1510.4 300.0 ^d	-	6,023.0	-	11,563.6	5,387.9
20.	November 1, 2004	540.0 250.0 ^s	840.0	1510.4 300.0 ^d	-	6,128.0	-	11,604.6	5,426.7
21.	November 1, 2005	540.0 250.0 ^s	840.0	1510.4 300.0 ^d	-	6,135.7	-	11,634.9	5,427.9
22.	November 1, 2006	630 250.0 ^s	840.0	1615.4 300.0 ^d	-	6,677.7	-	11,576.9	5,671.1
23.	November 1, 2007	630 250.0 ^s	840.0	1800.4 300.0 ^d	-	7,439.2	-	11,606.9	5,874.6
24.	November 1, 2008	630 250.0 ^s	840.0	1800.4 300.0 ^d	-	7,458.7	-	11,898.3	5,855.3
25.	November 1, 2009	1280 250.0 ^s	840.0	1760.4 300.0 ^d	-	7,938.7	-	12,567.6	6,202.1
26.	November 1, 2010	1280 250.0 ^s	840.0	1760.4 300.0 ^d	-	7,915.0	-	12,567.6	6,198.3
27.	November 1, 2011	1280.0 250.0 ^s	840.0	1775.4 420.0 ^d	-	8,043.7	-	12,572.8	6,221.3
28.	November 1, 2012	1280.0 250.0 ^s	840.0	1760.4 420.0 ^d	-	8,943.7	-	13,078.9	6,371.2
29.	November 1, 2013	1280.0 250.0 ^s	840.0	1760.4 420.0 ^d	-	9,275.7	-	13,533.3	6,679.7
30.	November 1, 2014	1280.0 250.0 ^s	840.0	1735.4 420.0 ^d	-	9,607.7	-	13,533.3	6,732.8
31.	November 1, 2015	1280.0 250.0 ^s	840.0	1735.4 420.0 ^d	-	10,252.2	-	13,554.9	6,836.0

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.

1.08 ALL INDIA CAPACITY, PRODUCTION AND CAPACITY UTILISATION OF FERTILISER INDUSTRY 1982-83 to 2014-15 (April-March)						
Year	N			P ₂ O ₅		
	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	3,970.2	60.3
2014-15	13,533.3	12,434.6	91.9	6,836.0	4,110.2	61.6

* = Capacity as at the end of the year viz., 31st March of plants in operation.
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 ₂ O ₅	K ₂ O	
East					
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	10	5	10	
	Grade-4	15	15	15	
		20	20	0	
North					
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 ₂ O ₅	K ₂ O	
South					
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 ₂ O ₅ 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 P₂O₅.</p> <p>* = 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.</p> <p>** = This high analysis Standard Mixtures with 18% P₂O₅ 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.</p> <p>(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 ₂ O ₅	K ₂ O	
South (Continued)					
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 P₂O₅.</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, they should contain the total guaranteed phosphoric acid. The quantum of ingredients used, have to provide 50% of P₂O₅ forms only, for water soluble P₂O₅ content and the balance portion of non-water soluble P₂O₅ 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 ₂ O ₅	K ₂ O		
South (Concluded)						
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	
West						
Gujarat	10	5	5	15	5	5
	19	19	19	15	10	0
	18	18	10 (Mg SO ₄)			
	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.						

1.10 MANUFACTURERS AND INSTALLED CAPACITY OF GRANULATED FERTILISER MIXTURES (As on April 1, 2015)		
S. No.	Name of factory	(tonnes) Annual Installed Capacity
IN PRODUCTION		
East		
*1.	BISCOMAUN Granulated Fertiliser Factory, Tilrath, 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 Enterpries, 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., Dinhata (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.
North		
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.	Pacific 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
South		
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)	160,000
6.	Haritha Fertilisers, Damaracharla, Hanumanjunction, Dist. Nalgonda (Telangana)	150,000
7.	Hariththa Fertilisers, Keesara, Dist. Ranga Reddy (Telangana)	150,000

(Continued)

1.10 MANUFACTURERS AND INSTALLED CAPACITY OF GRANULATED FERTILISER MIXTURES (Continued)		(tonnes)
S. No.	Name of factory	Annual Installed Capacity
South (Continued)		
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)	200,000
11.	Lakshmi Ganesh Agro Fertilizers (Pvt.) Ltd, Dist. Nellore (Andhra Pradesh)	120,000
12.	Maheswari Fertilizers, Dist.Kadapa (Andhra Pradesh)	60,000
13.	N G Fertilizers, Dist. Krishna (Andhra Pradesh)	125,000
14.	Omkar Fertilizers, Dist. West Godavari (Andhra Pradesh)	120,000
15.	Rythu Mitra Fertilizers (Pvt) Ltd., Dist. Krishna (Andhra Pradesh)	120,000
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)	100,000
20.	Sri Himaja Fertilizers and Chemicals (P) Ltd., Dist. Krishna (Andhra Pradesh)	125,000
21.	Godavari Farm Chemicals Industries, Khammam (Telangana)	45,000
22.	GGR Homes (Pvt.) Ltd., Dist. Chittoor (Andhra Pradesh)	120,000
23.	Sri Venkateswara Fertilizers, Dist. East Godavari (Andhra Pradesh)	60,000
24.	Accutech Agro Pvt. Ltd., Dist. Davanagere (Karnataka)	N.A.
25.	Aradhya Chemicals and Fertilizers, Dist. Davanagere (Karnataka)	24,000
26.	Basant Agro Tech (India) Ltd., Hospet (Karnataka)	48,000
27.	Belgaum Poly Organic Fertilizers Pvt. Ltd., Kanabargi, Dist. Belgaum (Karnataka)	17,000
28.	Bhima Krishna Chemicals & Fertilisers Private Ltd., Dist. Gulbarga (Karnataka)	N.A.
29.	Coromandel International Ltd, Koppal (Karnataka)	N.A.
30.	Deccan Sales Corporation Ltd., Dist. Belgaum (Karnataka)	18,000
31.	Ganeshanugratha Fertilisers & Chemicals Pvt. Ltd., Belur, Dist. Dharwad (Karnataka)	15,000
32.	Ghataparabha Fertilizers Pvt. Ltd., Raibag, Dist. Belgaum (Karnataka)	45,000
33.	Heliocon Agro Chemicals, Dist. Raichur, (Karnataka)	15,000
34.	Heliocon Agro Chemicals, Nehruganj, Dist. Gulbarga (Karnataka)	10,000
35.	Kissan Agri Industries, Hubli (Karnataka)	N.A.
36.	KPR Fertilizers, Dist. Bellary (Karnataka)	48,000
37.	Mahashakti Chemicals and Fertilisers Pvt. Ltd., Mysore (Karnataka)	N.A.
38.	Maruthi Fertochem Ltd., Rudrapur, Dist. Koppal (Karnataka)	18,000
39.	MSR Chemicals Fertilizers Pvt. Ltd., Nelamangala Taluk, Dist. Bangalore (Karnataka)	24,000
40.	Pacific Ferti Products Services Pvt. Ltd., Shantigram, Hassan (Karnataka)	35,000
41.	Samyukta Agritech Pvt. Ltd., Rayapur, Dist. Dharwad (Karnataka)	20,000
42.	Savio Bio Organic and Fertilisers Pvt. Ltd., Khanapur, Dist. Hassan (Karnataka)	N.A.
43.	Shanthy Jeevan Agro Foods India Pvt. Ltd., Bijapur (Karnataka)	N.A.
44.	Shri Lakshminarayan Chemicals & Fertilizers Pvt. Ltd., Rayapur, Dist. Dharwad (Karnataka)	30,000
45.	Someshwara Fertilisers Pvt. Ltd., Somanahalli, Maddur (Karnataka)	18,000
46.	Sri Saigopal Agrotech Ltd., Gulbarga (Karnataka)	30,000
		(Continued)

1.10 MANUFACTURERS AND INSTALLED CAPACITY OF GRANULATED FERTILISER MIXTURES (Continued) (As on April 1, 2015)		
S. No.	Name of factory	(tonnes) Annual Installed Capacity
South (Concluded)		
47.	Tungabhadra Fertilizers & Chemicals Ltd., Koppal District (Karnataka)	120,000
48.	Vijayanagar Fertilizers Pvt. Ltd., Bellary (Karnataka)	30,000
49.	Allwin Fertiliser Corporation, Madurai (Tamil Nadu)	3,000
50.	Asian Fertiliser, Madurai (Tamil Nadu)	5,000
51.	Ganga Cauvery Fertilisers, Salem (Tamil Nadu)	15,000
52.	Green Tech Fertilizer Corporation, Tiruvannamalai (Tamil Nadu)	90000
53.	Income Moarch Ltd., Madurai (Tamil Nadu)	4000
54.	India Fertilizer, Madurai (Tamil Nadu)	2,650
55.	Kothari (Madras) International Ltd., Madurai-2 (Tamil Nadu)	7,000
56.	Kissan Fertilizer, Umachikulam, Madurai (Tamil Nadu)	6,000
57.	Madurai Fertilizer Company, Madurai (Tamil Nadu)	5,000
58.	National Fertilizer Company, Madurai (Tamil Nadu)	N.A.
59.	Pamani Fertilizers, Mannargudi, Thiruarur District (Tamil Nadu)	20,000
60.	PL Agro Technologies Ltd., Madurai (Tamil Nadu)	6,000
61.	Raja Fertilizer Company, Madurai (Tamil Nadu)	2,000
62.	Royal Fertilizer, Madurai (Tamil Nadu)	2,950
63.	Sri Ramkumar Fertiliser, Thirumangalam (Tamil Nadu)	3,000
64.	Sun Fertiliser Company, Madurai (Tamil Nadu)	5,000
65.	T. Stanes and Company Ltd., Madurai (Tamil Nadu)	5,000
66.	Velmurugan Fertiliser Company, Arasur, Villupuram (Tamil Nadu)	41,000
67.	Velmurugan Fertiliser Company, Villupuram (Tamil Nadu)	21,000
68.	Vorion Industries and Chemicals, Sirukadambur (Tamil Nadu)	N.A.
West		
1.	BEC Fertilisers (A unit of Bhilai Engg. Corpn. Ltd.), Bilaspur (Chhattisgarh)	N.A.
2.	Narmada Phosphate Ltd., Bilaspur (Chhattisgarh)	4,821@
3.	A & A Enterprise, Raniya, Vadodara (Gujarat)	1,278@
4.	Dhanalaxmi Organic, Bhanagar (Gujarat)	6,600
5.	Everest Ferts. & Chems., Rajkot (Gujarat)	3,964@
6.	Evolve Ferti & Chem Pvt.Ltd., Rajkot (Gujarat)	2,572@
*7.	Gandevi Tal. Khedut Sahakari Sangh, Gandevi (Gujarat)	1,823@
*8.	Gujarat State Coop. Fruit & Vegetable Fed., Bardoli (Gujarat)	14,765@
9.	The Gujarat Ferts., Dhoraji, Rajkot (Gujarat)	4,501@
10.	Heritage Enterprises, Vadodara (Gujarat)	33,000
11.	Jaykisan Fert.Pvt.Ltd., Naranaka, Rajkot (Gujarat)	3,455@
*12.	Khudat Sahakari Gen Ltd., Madhi, Surat (Gujarat)	2,600@
*13.	Khedut Sahakari gening & processing soc1., Baben, Sardarbag, Ta-Bardoli, Dis.Surat (Gujarat)	7,360@
14.	Liberty Phosphate, Nandesari, Vadodara (Gujarat)	132,000
15.	Mangal Murti Bio Chem Pvt.Ltd., Surat (Gujarat)	6,440@
16.	Maruti Fertilizers (Ind), Vadodara (Gujarat)	N.A.
17.	Narmada Agro Chemicals Pvt. Ltd., Mangarol, Junagadh (Gujarat)	6,600

(Continued)

1.10 MANUFACTURERS AND INSTALLED CAPACITY OF GRANULATED FERTILISER MIXTURES (Concluded) (As on April 1, 2015)		
		(tonnes)
S. No.	Name of factory	Annual Installed Capacity
West (Concluded)		
18.	Narmada Biochem Pvt. Ltd., Ahmedabad (Gujarat)	19,175@
*19.	Navsari Tal. Sahakari Kharedi Vechan Sangh, Navasari (Gujarat)	3,940@
20.	Pruthvi Kheetiwadi Kendra, Bhavnagar (Gujarat)	6930
21.	Sardar Biochem Industries, Rajkot (Gujarat)	9,030@
*22.	Sardar Bardoli Taluka Khedut Sahakari Kharid Vechan Sangh Ltd., Surat (Gujarat)	4,413@
23.	Shree Kalptaru Agro Fertilizers, Vadodara District (Gujarat)	16,500
24.	Shree Kamdhenu Fertilizers, Vadodara District (Gujarat)	16,500
25.	Shubham Fertilisers & Chem., Surat (Gujarat)	777@
26.	Shubham Fertilisers & Chem., Bharuch (Gujarat)	4950
27.	Sikko Products Pvt.Ltd., Ahmedabad (Gujarat)	1,094@
*28.	Surat Jilla Kharid Vechan Sangh, Surat (Gujarat)	1,917@
29.	T.J. Agro Chemical & Fertiliser, Junagadh (Gujarat)	16,500
30.	T.J. Agro Fertiliser Pvt. Ltd., Navsari, Surat (Gujarat)	18,381@
31.	Tirupati Agro Chem. Pvt., Ltd., Vadad, Junagadh (Gujarat)	6,600
32.	Basant Agrotech (I) Ltd. (Maharashtra)	30,000
33.	BEC Fertilisers, Pulgaon unit, Wardha (Maharashtra)	45,000
34.	Deccan Sales Corpn., Ltd., (Maharashtra)	44,000
35.	Lahari Fert. & Agro Indus. Pvt. Ltd., Kondhala, Dist. Gadchiroli (Maharashtra)	30,000
36.	Maharashtra Agro Industries Development Corpn. Ltd., Fertiliser factories at Rasayani, Nanded, Pachora, Kolhapur, Jalna and Wardha (Maharashtra)	330,000
*37.	Maharashtra State Co-op. Marketing Federation, Granulated Fertiliser Factories at Aurangabad, Buldhana, Naldurgh (Maharashtra)	198,000
38.	Maruti Fertochem Ltd., Shivan Complex, Latur, Aurangabad and Nagpur units (Maharashtra)	30,000
*39.	R.B. Patil Kisan Sahakari Kheredi Vikri Sangh Ltd., Kolhapur (Maharashtra)	N.A.
40.	Rama Krishi Rasayan, Pune (Maharashtra)	47,500
41.	Shree Datta Ferts. & Chems. Ltd., Amaravati (Mah.)	60,000
42.	Shri Bhavani Mishra Fert. (P) Ltd., Nanded (Maharashtra)	30,000
43.	Subhash Fertilisers Pvt. Ltd., Jalna (Maharashtra)	N.A.
*44.	Shetkari Sahakari Tambakhu Kharedi Vikri Sangh, Kolhapur (Maharashtra)	N.A.
45.	Shiva Global Agro Ind., Ltd., Nanded (Maharashtra)	45,000
46.	Varad Ferts., (P) Ltd., Jalna (Maharashtra)	14,500
47.	Vardhaman Ferts. & Seeds Ltd. (Maharashtra)	10,6464@
*48.	Vidharbha Cooperative Marketing Society Ltd., Fertiliser Factory, Amravati and Nagpur (Mah.)	60,000
Total (145 plants)		4,716,950
Note: Previous year's data have been repeated for those states in respect of which latest information is not available. * = Cooperative Sector @= Production during 2014-15.		
Source: State Departments of Agriculture.		

2.00 PRODUCTION OF FERTILISERS

2.01 DEVELOPMENT OF PRODUCTION OF FERTILISER PRODUCTS			
Year of first manufacture	Fertiliser product	Factory which first manufactured	Total No. of manufacturing units (as on 1-11-2015)
(i) 1906	Single superphosphate	EID-Parry (India) Ltd., Ranipet (Now Coromandel International Ltd)	99
(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	10@
(x) 1973	Pelofos	Orissa Fertilizers and Chemicals, Rourkela	**
<p>** Now not manufactured.</p> <p>@ = Plants manufactured NPK complex fertilisers in 2014-15. * 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 ₂ O ₅ 1951-52 to 2014-15 (April-March)								(’000 tonnes)
Year		N			P ₂ O ₅			Total Product (all fertilisers)
		Through straight N	Through complex fertilisers\$	Total*	Through straight P ₂ O ₅	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	1,054.5	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		1,300.0	208.0	1,508.0	75.0	244.7	319.7	5,046.6
1976-77	V Plan	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		2,773.1	469.5	3,143.3	215.4	734.6	950.0	10,374.7
1982-83	VI Plan	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		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	VII Plan	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		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	VIII Plan	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		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	IX Plan	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		8,740.9	1,766.7	10,507.6	385.2	3,522.5	3,907.7	31,922.2
2003-04	X Plan	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		9,259.0	1,643.8	10,902.8	359.4	3,354.9	3,714.3	32,746.4
2008-09	XI Plan	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	672.0	3,298.2	3,970.2	38,169.2
2014-15		10,523.4	1,911.2	12,434.6	668.0	3,442.2	4,110.2	38,668.3

* Excludes N meant for non-agricultural purposes. # Excludes P₂O₅ through direct application of phosphate rock.
Note: Entire requirement of K₂O is met through imports. \$ = DAP and NP/NPKs.

2.03 ALL INDIA PRODUCTION OF STRAIGHT NITROGENOUS FERTILISERS 1951-52 to 2014-15 (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)	
						Nutrient*	Product
						N (straight)	
1951-52	140.3	—	—	—	—	28.9	140.3
1955-56	373.1	—	—	—	—	76.9	373.1
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	585.5	—	22,592.9	—	40.4	10,523.4	23,218.8

* 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 2014-15 (April-March)								(⁰⁰⁰ tonnes)
Year	Single superphosphate of grade			Triple superphosphate of grade		Total		
	16% W.S. P ₂ O ₅	Super- phosphate Other grades	Nutrient W.S. P ₂ O ₅	46% W.S. P ₂ O ₅	Nutrient W.S. P ₂ O ₅	Nutrient P ₂ O ₅ (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	—	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	4,200.1	—	672.0	—	—	672.0	4,200.1	
2014-15	4,174.8	—	668.0	—	—	668.0	4,174.8	

* July-June basis.

() Pelotas.

14% W.S. P₂O₅.

**2.05 ALL INDIA PRODUCTION OF DAP AND NP/NPK COMPLEX FERTILISERS
1960-61 to 2014-15 (April-March)**

('000 tonnes)

Year	NPs						NPKs						Total			
	28-28-0	24-24-0 23-23-0 ^j 24-24-0-8 ^m	20-20-0 13 (APS)	20-20-0 (ANP)	DAP (18-46-0) 16-44-0 ^L	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 ₂ O ₅	
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 ^d	—	52.1	—	—	—	—	—	—	—	11.0	12.6	68.5
1966-67	—	—	—	70.6 ^d	—	77.5	—	—	—	—	—	—	—	23.7	24.7	148.1
1967-68	—	—	—	70.5 22.4 ^a 3.7 ^o	27.7 ^e	92.4	—	—	—	—	—	—	—	28.6	49.4	216.7
1968-69	132.2	—	3.4	94.1	55.2 ^e	98.3	—	—	—	—	—	—	—	83.1	102.5	383.2
1969-70	207.4	—	27.2	22.2 87.7 ^o	44.7	87.1	—	—	—	—	—	—	50.9i	105.3	120.5	527.2
1970-71	159.7	—	60.2	4.1 20.2 ^c	55.5	88.1	—	—	59.4 56.1b	—	—	—	6.6i	106.9	125.9	509.9
1971-72	195.1	—	35.8	25.0 ^c	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 ^q	12.7 22.3 ^q	52.9 20.1 ⁱ	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 ^q	50.9 29.9 ^q	87.0 0.1 ⁱ	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 ^h	15.8 15.8 ^q	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 ^h	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 ^h	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 ^h	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 ^h	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 ^h	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 ^h	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 ^h	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 ^h	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 ^h	1676.6	66.1	142.3	328.4	339.9	9.5	5.1	169.1	215.0	702.9	1268.0	4011.8

(Continued)

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**2.05 ALL INDIA PRODUCTION OF DAP AND NP/NPK COMPLEX FERTILISERS
1960-61 to 2014-15 (April-March) (Concluded)**

('000 tonnes)

Year	NPs						NPKs						Total			
	28-28-0	24-24-0 23-23-0 ^d 24-24-0-8 ^m	20-20-0 13 (APS)	20-20-0 (ANP)	18-46-0 (DAP) 16-44-0 ^l	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 ₂ O ₅	
1988-89	325.2	—	578.7	310.2 ⁿ	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 ⁿ	1550.0	94.2	165.4	413.3	362.8	12.9	—	273.0	257.0	756.8	1293.2	4215.2
1990-91	334.1	21.0 ^d	528.2	267.3 ⁿ	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 ^d	652.7	276.5 ⁿ	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 ^d	782.5	290.2 ⁿ 77.4 ⁿ	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 ^d	749.9	267.2 ⁿ 133.0 ⁿ	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 ^d	968.2	253.4 ⁿ 149.3 ⁿ	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 ^d	1211.2	238.0 ⁿ 150.5 ⁿ	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 ^d	874.0	249.0 ⁿ 137.5 ⁿ	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 ^d	854.6	246.7 ⁿ 155.7 ⁿ	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 ^d	900.1	241.5 ⁿ 150.8 ⁿ	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 ^d	1195.0	311.7 ⁿ 155.7 ⁿ	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 ^d	1384.3	251.8 ⁿ 159.2 ⁿ	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 ^d	1400.2	434.5 ⁿ	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 ^d	1428.7	424.3 ⁿ	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 ^d	1185.7	356.6 ⁿ	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 ^d	1297.0	403.0 ⁿ	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 ^d	1633.2	426.4 ⁿ	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 ^d	2246.0	234.3 ⁿ	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 ^d	1292.2	193.4 ⁿ	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 ^d	2442.9	134.0 ⁿ	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 ^d	3233.9	183.7 ⁿ	4246.1	215.7	—	—	490.0	659.8	—	676.8	2206.8	2054.9	3879.4	12305.1
2010-11	143.7	26.2 99.0 ^d	2777.3	324.2 ⁿ 4.4 ⁿ	3541.2	262.4	—	—	494.0	657.4	—	1104.3	2871.7	1955.6	3777.2	12305.8
2011-12	288.4	178.0	3056.1	388.0 ⁿ	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	2406.3	336.2 ⁿ	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 2.5 ^m	2669.9	373.1 ⁿ	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 30.7 ^m	3008.7	466.5 ⁿ	3445.4	81.3	78.3	82.6	420.0	240.2	-	1083.0	1850.0	1911.2	3442.2	11274.7

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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 2014-15)					
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	4,200.1	976.3
2014-15	585.5	81.3	3,008.7	4,174.8	995.6

**2.07 STATEWISE PRODUCTION OF FERTILISERS — PRODUCT-WISE AND NUTRIENT-WISE
2014-15 (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 ¹ 20-20-0-13 ² (APS)	20-20-0 ¹ (ANP) 14-28-14 ² 24-24-0-8 ³	28-28-0 ¹ 14-35-14 ²	15-15-15 ¹ 24-24-0 ²	10-26-26 ¹ 19-19-19 ²	12-32-16 ¹ 17-17-17 ²	DAP (18-46-0)	Single super phosphate (16% P ₂ O ₅)	Total	
													N*	P ₂ O ₅
East	54.6	359.0	-	-	875.3 ²	-	-	23.2 ¹	576.9 ¹	247.0 ¹	1711.3	499.8	750.3	1274.8
Assam	-	359.0	-	-	-	-	-	-	-	-	-	23.9	165.2	3.8
Bihar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jharkhand	24.3	-	-	-	-	-	-	-	-	-	-	-	-	5.0
Odisha	8.1	-	-	-	794.8 ²	-	-	23.2 ¹	186.0 ¹	142.2 ¹	1628.6	-	492.9	1005.5
West Bengal	22.2	-	-	-	80.5 ²	-	-	-	391.0 ¹	104.9 ¹	82.7	475.9	87.2	265.4
North	-	9046.7	-	-	-	-	-	-	-	-	-	275.6	4161.5	44.1
Haryana	-	511.5	-	-	-	-	-	-	-	-	-	29.6	235.3	4.7
Punjab	-	1038.7	-	-	-	-	-	-	-	-	-	-	477.8	-
Uttar Pradesh	-	7496.6	-	-	-	-	-	-	-	-	-	246.0	3448.4	39.4
South	166.4	2003.7	-	40.4	81.3 ¹	30.7 ³	449.0 ¹	-	392.6 ¹	5.5 ¹	612.1	411.8	1669.1	1057.9
					1795.5 ²		240.2 ²			82.6 ²				
Andhra Pradesh & Telangana	46.0	932.3	-	-	809.3 ²	30.7 ³	449.0 ¹	-	392.6 ¹	5.5 ¹	243.3	212.3	852.1	630.2
Karnataka	-	250.6	-	-	29.2 ²	-	-	-	-	-	140.6	26.4	146.4	74.7
Kerala	120.4	-	-	-	603.0 ²	-	-	-	-	-	-	-	145.4	120.6
Tamil Nadu	-	820.8	-	40.4	81.3 ¹	-	-	-	-	74.3 ²	228.2	173.2	525.2	232.4
					354.0 ²									
West	364.5	11183.4	-	-	337.9 ²	466.5 ¹	-	396.8 ¹	880.5 ¹	830.4 ¹	1122.0	2987.5	5853.7	1733.4
								39.0 ²	78.3 ²					
Gujarat	329.5	3880.0	-	-	337.9 ²	206.0 ¹	-	-	516.3 ¹	790.1 ¹	963.4	301.7	2281.3	987.3
Madhya Pradesh	-	2088.6	-	-	-	-	-	-	-	-	-	746.0	960.8	119.4
Chhattisgarh	35.0	-	-	-	-	-	-	-	-	-	-	144.1	7.2	23.1
Maharashtra	-	2601.5	-	-	-	260.5 ¹	-	396.8 ¹	-	-	-	687.2	1317.7	231.0
								39.0 ²						
Rajasthan	-	2249.9	-	-	-	-	-	-	-	-	-	1108.5	1035.0	177.4
Goa	-	363.4	-	-	-	-	-	-	364.2 ¹	40.4 ¹	158.6	-	251.8	195.4
									78.3 ²					
ALL INDIA	585.5	22592.9	-	40.4	81.3 ¹	466.5 ¹	449.0 ¹	420.0 ¹	1850.0 ¹	1083.0 ¹	3445.4	4174.8	12434.6	4110.2
					3008.7 ²	30.7 ³	240.2 ²	39.0 ²	78.3 ²	82.6 ²				

* = Excluding nitrogen produced for non-agricultural purposes.

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

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3.00 IMPORT OF FERTILISERS

3.01 IMPORT OF FERTILISER PRODUCTS—1980-81 to 2014-15 (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 ₂ O)	SOP (50% K ₂ O)	Total product	(Quantity in '000 tonnes)			
									Total nutrient			
									N	P ₂ O ₅	K ₂ O	(N+P ₂ O ₅ +K ₂ 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	—	1,626.0	13.6	2,681.6	218.8	407.4	989.2	1,615.4
				45.0*								
				30.0@								
1989-90	—	—	\$	2,815.0	—	2,082.0	25.0	5,031.0	523.1	1,311.3	1,278.1	3,112.5
				109.0*								
1990-91	—	—	—	2,155.0	—	2,120.0	59.0	4,490.0	412.3	1,015.7	1,325.9	2,753.9
				106.0*								
				50.0@@								
1991-92	—	391.0	—	2,077.0	—	2,040.0	—	4,581.0	566.1	967.8	1,236.4	2,770.3
				73.0@@								
1992-93	—	1,857.0	—	1,533.0	—	1,761.0	5.0	5,286.0	1,152.3	727.3	1,081.2	2,960.8
				130.0@@								
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	—	2,120.0	19.3	5,844.7	1,473.2	376.1	1,281.7	3,131.0
				21.4\$								
1995-96	—	3,782.0	—	1,475.5	—	2,356.2	6.0	7,648.7	2,008.2	686.3	1,424.3	4,118.8
				29.0f								
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	—	2,380.4	18.1	6,341.4	1,377.4	715.9	1,437.3	3,530.6
				17.9\$								
1998-99	97.0	556.0	—	2,091.1	—	2,579.8	20.5	5,388.4	657.0	984.8	1,558.1	3,199.9
				44.0\$								
1999-2000	79.0	533.0	—	3,268.0	—	2,946.1	12.5	6,894.6	855.9	1,534.1	1,773.9	4,163.9
				56.0\$								
2000-01	—	—	—	861.0	—	2,646.0	12.8	3,597.9	163.6	436.7	1,594.0	2,194.3
				78.1\$								
2001-02	—	220.0	—	932.7	—	2,810.2	22.2	4,110.3	282.9	494.3	1,697.2	2,474.4
				125.2\$								
2002-03	—	119.4**	—	383.2	—	2,603.2	13.0	3,099.3	134.9	228.2	1,568.4	1,931.5
				99.9\$								
2003-04	—	143.1**	—	734.1	—	2,579.3	10.5	3,388.9	205.1	371.5	1,552.8	2,129.4
				65.0\$								
2004-05	—	641.0	—	643.6	—	3,409.5	25.2	4,740.9	413.1	307.3	2,058.3	2,778.7
				21.6\$								
2005-06	—	2,056.8	—	2437.7	—	4,577.5	35.1	9,152.1	1,389.9	1,144.7	2,764.1	5,298.7
				45.0\$								
2006-07	24.8	4,718.8	—	2875.4	—	3,448.4	13.1	11,177.7	2,704.0	1,373.2	2,075.6	6,152.8
				97.2\$								
2007-08	—	6,928.0	5.0	2723.6	—	4,420.8	31.6	14,375.0	3,707.6	1,391.2	2,668.3	7,767.1
				266.0\$								
2008-09	23.0	5,667.0	2.5	6191.7	—	5,671.7	27.3	18,023.2	3,756.0	3,066.6	3,416.7	10,239.3
				266.0\$	(173.1)							
2009-10	35.6	5,210.0	11.5	5888.9	—	5,286.5	37.1	16,750.0	3,488.1	2,849.5	3,190.4	9,528.0
				193.4\$	(87.0)							
2010-11	26.0	6,610.0	-	7411.0	980.6	6,357.0	36.0	21,706.6	4,569.6	3,738.7	3,899.5	12,207.7
				188.0\$	(98.0)							
2011-12	36.0	7,834.0	-	6905.2	3674.5	3,984.6	54.0	23,141.7	5,577.6	4,263.6	2,557.8	12,399.0
				493.7\$	(159.7)							
2012-13	1.4	8,044.0	-	5702.3	404.6	2,496.1	29.5	16,830.1	4,801.0	2,797.2	1,573.7	9,172.0
				152.2\$	(-)							
2013-14 (P)	2.9	7,088.0	-	3261.1	361.6	3,180.0	57.5	13,989.7	3,920.3	1,588.2	1,954.4	7,462.8
				38.6\$	(-)							
2014-15 (P)	155.3	8,749.0	-	3853.0	291.0	4,197.0	78.0	17,459.3	4,813.0	1,902.9	2,588.0	9,303.8
				136.0\$	(-)							

£ = 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, Dept. of Commerce, Ministry of Commerce & Industry, GOI.
 3. Importers of Fertilisers.

3.02 IMPORT OF NITROGENOUS FERTILISERS						
2009-10 to 2014-15						
('000 tonnes)						
Product and origin of import	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15 (P)
Ammonium Sulphate (20.6% N)						
Belgium	36	—	—	—	—	—
China	—	—	36	1.3	2.8	155.2
South Korea	—	26	—	—	—	—
Others	—	—	—	0.1	0.1	0.1
Total	36	26	36	1.4	2.9	155.3
Calcium Ammonium Nitrate (25% N)						
Belgium	12	—	—	—	—	—
Total	12	—	—	—	—	—
Urea (46% N)						
Bahrain	159	142	88	—	—	—
Bangladesh	26	—	—	—	—	—
China	534	2507	1280	3767	2947	6634
CIS*	945	292	1303	707	50	—
Egypt	45	—	—	—	—	—
Indonesia	57	124	106	63	111	—
Iran	276	1112	1997	1576	1649	652
Kuwait	78	—	102	—	—	—
Lithuania	46	—	44	—	—	—
Malaysia	55	—	15	—	—	—
Qatar	299	—	133	—	—	—
Oman	2338	2366	2415	1890	2331	1463
Romania	51	—	94	—	—	—
Saudi Arabia	301	43	117	—	—	—
UAE	—	24	47	—	—	—
Vietnam	—	—	93	41	—	—
Total	5210	6610	7834	8044	7088	8749
* = Import from Belarus, Russia and Ukraine. (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 2009-10 to 2014-15						
('000 tonnes)						
Product and origin of import	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15 (P)
DAP (18-46-0)						
Australia	63	84	106	44	—	—
Canada	—	—	83	—	—	—
China	460	2525	2427	2533	1717	1906
CIS*	1362	779	619	119	—	—
Estonia	—	—	—	33	—	—
Jordan	535	606	458	279	130	302
Korea	—	51	—	—	—	—
Lithuania	—	224	266	—	—	—
Morocco	238	345	609	622	—	—
Mexico	10	196	—	—	—	—
Saudi Arabia	—	—	277	1041	706	1186
Turkey	27	25	—	—	—	—
Tunisia	143	132	—	—	—	—
Vietnam	—	11	—	—	—	—
U.S.A.	3020	2430	2060	1031	708	459
Others	31	3	—	—	—	—
Total	5889	7411	6905	5702	3261	3853
* = Import from Russia and Ukraine.						
Mono Ammonium Phosphate (11-52-0)						
China	—	34	360	152	39	136
Estonia	36	—	38	—	—	—
Iran	—	1	—	—	—	—
CIS*	157	153	96	—	—	—
South Africa	—	—	—	—	—	—
Thailand	—	—	—	—	—	—
Total	193	188	494	152	39	136
* = Import from Russia and Uzbekistan.						
Triple Super Phosphate (0-46-0)						
China	87	72	160	—	—	—
Israel	—	26	—	—	—	—
Total	87	98	160	—	—	—
(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 2014-15								
(A) 2010-11								(`000 tonnes)
Product and origin of import	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
Total	64.0	44.2	274.8	21.0	167.3	33.7	375.6	980.6
(B) 2011-12								(`000 tonnes)
Product and origin of import	10-26-26	12-32-16	16-16-16 ¹ 13-33-0-6 ²	15-15-15-09	16-20-0-13	20-20-0	20-20-0-13	Total
China	66.0	25.4	261.3 ²	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 ¹	-	-	-	-	60.0
USA	-	-	-	-	-	8.8	-	8.8
Total	332.7	50.5	60.0¹ 261.3²	24.5	310.6	2,409.2	225.7	3,674.5
(C) 2012-13								(`000 tonnes)
Product and origin of import	10-26-26	20-20-0	20-20-0-13	Total				
China	-	18.7	116.9	135.6				
Estonia	98.5	-	-	98.5				
Korea	-	-	33.0	33.0				
Russia	137.5	-	-	137.5				
Total	236.0	18.7	149.9	404.6				
(D) 2013-14								(`000 tonnes)
Product and origin of import	20-20-0	20-20-0-13	16-16-16	Total				
China	94.0	-	-	94.0				
Estonia	-	-	110.0	110.0				
Indonesia	-	157.6	-	157.6				
Total	94.0	157.6	110.0	361.6				
(E) 2014-15								(`000 tonnes)
Product and origin of import	20-20-0-13	10-26-26	16-16-16	Total				
China	-	-	72.0	72.0				
Estonia	145.0	-	-	145.0				
Russia	-	74.0	-	74.0				
Total	145.0	74.0	72.0	291.0				
Source: Dept. of Fertilizers, Ministry of Chemicals & Fertilizers, G.O.I., New Delhi.								

3.05 IMPORT OF POTASSIC FERTILISERS 2009-10 to 2014-15						
('000 tonnes)						
Product and origin of import	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15 (P)
Muriate of Potash (60% K₂O)						
Canada	643	985	559	239	735	791
Chile	38	41	—	—	—	—
China	—	—	84	—	—	—
CIS*	1,944	2,545	1,550	1,188	1,040	1,647
Germany	103	143	110	89	211	120
Israel	1,644	1,394	893	565	635	617
Jordan	808	969	398	235	330	553
Latvia	36	—	227	39	108	—
Lithuania	—	199	140	74	31	469
Saudi Arabia	—	—	—	67	66	—
Spain	25	81	25	—	24	—
UK	23	—	—	—	—	—
USA	22	—	—	—	—	—
Total	5,286	6,357	3,985	2,496	3,180	4,197
* = Import from Belarus, Russia and Ukraine.						
Sulphate of Potash (50% K₂O)						
Belgium	—	—	2	2	1	3
China	—	1	3	Neg.	0.2	4
Germany	37	30	32	13	37	50
Jordan	—	1	10	1	7	6
Korea	—	—	2	1	1	1
Taiwan	—	—	—	13	7	9
Others	—	4	5	1	4	6
Total	37	36	54	30	58	78
(P) = Provisional.						
Source: 1. Dept. of Fertilizers, Ministry of Chemicals & Fertilizers, G.O.I., New Delhi.						
2. Importers of Fertilisers.						
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 - 2012-13						
('000 tonnes)						
Port	Urea	DAP	MAP	NP/NPKs	MOP	Total
Chennai	61	53	—	—	110	224
Cochin	-	-	-	-	22	22
Gangavaram	575	314	-	-	172	1,061
Goa	-	-	-	-	72	72
Haldia	-	-	-	-	49	49
Hazira	119	-	-	-	-	119
Kakinada	426	652	-	19	166	1,263
Kandla	888	1,904	-	138	693	3,623
Karaikal	517	72	-	-	18	607
Krishnapatnam	826	355	55	128	169	1,533
MBPT	-	-	97	-	59	156
Mundra	2,504	1,246	-	-	91	3,841
New-Mangalore	239	68	-	33	153	493
Paradeep	142	43	-	-	132	317
Pipavav	787	-	-	-	-	787
Rozy	83	362	-	-	-	445
Tuticorin	253	-	-	-	167	420
Vizag	624	633	-	88	422	1,767
Total	8,044	5,702	152	406	2,495	16,799
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 - 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
Total	7,088	3,261	39	362	3,180	13,930

(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.

3.06 (c) 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
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
Total	8,749	3,853	136	291	4,197	17,226

(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 INDIGENOUS AND IMPORTED - 2014-15									
('000 tonnes)									
Zone / State	Kharif 2014			Rabi 2014-15			Total 2014-15		
	Indigenous	Imported	Total	Indigenous	Imported	Total	Indigenous	Imported	Total
(A) Urea (46% N)									
East	1,872.7	177.9	2,050.7	1,777.0	436.2	2,213.2	3,649.7	614.2	4,263.9
Assam	154.3	7.8	162.0	158.2	14.7	172.9	312.4	22.5	334.9
Bihar	795.2	53.9	849.1	901.0	166.4	1,067.4	1,696.2	220.3	1,916.5
Odisha	292.4	72.9	365.3	107.0	23.2	130.2	399.4	96.1	495.5
West Bengal	497.7	43.3	541.0	535.5	231.9	767.4	1,033.2	275.2	1,308.4
Jharkhand	104.4	-	104.4	71.0	-	71.0	175.3	-	175.3
Manipur	8.7	-	8.7	1.2	-	1.2	9.9	-	9.9
Nagaland	8.1	-	8.1	3.0	-	3.0	11.1	-	11.1
Tripura	11.8	-	11.8	-	-	-	11.8	-	11.8
Arunachal Pradesh	0.3	-	0.3	0.2	-	0.2	0.5	-	0.5
North	4,394.7	491.0	4,885.7	4,745.2	1,851.6	6,596.8	9,139.9	2,342.6	11,482.5
Haryana	743.7	78.5	822.1	767.4	417.6	1,185.0	1,511.1	496.1	2,007.2
Himachal Pradesh	34.1	-	34.1	33.3	-	33.3	67.4	-	67.4
Jammu & Kashmir	40.6	3.2	43.8	52.5	5.8	58.3	93.1	9.0	102.1
Punjab	1,073.4	173.0	1,246.5	1,004.2	508.9	1,513.1	2,077.6	681.9	2,759.5
Uttar Pradesh	2,354.6	236.3	2,590.9	2,757.9	912.9	3,670.8	5,112.4	1,149.2	6,261.6
Uttarakhand	146.7	-	146.7	126.5	6.4	132.9	273.2	6.4	279.5
Delhi	1.7	-	1.7	3.4	-	3.4	5.1	-	5.1
South	1,773.8	985.2	2,759.0	1,434.7	1,535.3	2,970.1	3,208.6	2,520.5	5,729.1
Andhra Pradesh	520.6	342.7	863.3	417.7	551.1	968.8	938.3	893.9	1,832.1
Telangana	321.0	282.8	603.8	328.1	286.3	614.4	649.1	569.1	1,218.2
Karnataka	637.0	202.1	839.1	396.3	296.3	692.7	1,033.4	498.5	1,531.8
Kerala	35.1	37.9	73.0	11.1	51.8	62.9	46.2	89.6	135.9
Tamil Nadu	251.4	119.6	371.1	277.3	347.6	624.9	528.8	467.2	996.0
Puducherry	8.1	-	8.1	4.1	2.2	6.3	12.3	2.2	14.4
A & N Islands	0.5	-	0.5	0.1	-	0.1	0.6	-	0.6
West	3,458.9	783.7	4,242.6	3,282.7	1,846.3	5,128.9	6,741.6	2,629.9	9,371.5
Gujarat	746.6	279.9	1,026.5	804.6	447.0	1,251.6	1,551.2	726.9	2,278.1
Madhya Pradesh	598.7	122.8	721.5	834.4	507.0	1,341.3	1,433.1	629.8	2,062.9
Chhattisgarh	363.5	59.4	422.9	107.4	91.6	198.9	470.8	151.0	621.8
Maharashtra	1,238.3	182.8	1,421.1	811.2	323.8	1,135.0	2,049.5	506.6	2,556.1
Rajasthan	508.7	138.7	647.4	723.3	476.9	1,200.2	1,232.0	615.6	1,847.6
Goa	2.0	-	2.0	1.4	-	1.4	3.4	-	3.4
Daman & Diu	0.2	-	0.2	0.1	-	0.1	0.3	-	0.3
D & N Haveli	0.9	-	0.9	0.4	-	0.4	1.3	-	1.3
All India	11,500.2	2,437.8	13,938.0	11,239.6	5,669.4	16,909.0	22,739.8	8,107.2	30,847.0

(Continued)

4.01 SEASON-WISE DESPATCHES OF STRAIGHT NITROGENOUS FERTILISERS INDIGENOUS - 2014-15 (Concluded)			
('000 tonnes)			
Zone / State	Kharif 2014	Rabi 2014-15	Total 2014-15
(B) Ammonium Sulphate (20.6% N)			
East	9.1	7.6	16.7
Bihar	1.3	-	1.3
Odisha	4.4	5.2	9.5
West Bengal	3.5	2.4	5.9
North	40.8	14.0	54.8
Haryana	1.1	0.7	1.8
Himachal Pradesh	0.0	0.1	0.1
Punjab	2.0	-	2.0
Uttar Pradesh	37.7	13.2	51.0
South	109.0	114.2	223.3
Andhra Pradesh	33.0	36.2	69.2
Telangana	8.4	13.5	21.9
Karnataka	51.4	33.9	85.3
Kerala	2.0	3.0	5.0
Tamil Nadu	14.2	27.6	41.8
West	125.4	88.4	213.8
Gujarat	67.9	59.6	127.5
Madhya Pradesh	3.5	4.0	7.5
Chhattisgarh	7.8	2.2	10.0
Maharashtra	41.7	19.3	61.0
Rajasthan	4.4	3.3	7.8
Dadra & Nagar Haveli	0.0	0.0	0.1
All India	284.3	224.2	508.6
(C) Ammonium Chloride (25% N)			
South	-	0.9	0.9
Karnataka	-	0.9	0.9
All India	-	0.9	0.9
Note: Ammonium Sulphate and Ammonium Chloride consumption figures assumed as despatches.			

4.02 SEASON-WISE DESPATCHES OF STRAIGHT PHOSPHATIC FERTILISERS INDIGENOUS AND IMPORTED - 2014-15									
('000 tonnes)									
Zone / State	Kharif 2014			Rabi 2014-15			Total 2014-15		
	Indigenous	Imported	Total	Indigenous	Imported	Total	Indigenous	Imported	Total
(A) Single Super Phosphate (16% P₂O₅)									
East	212.3	-	212.3	292.9	-	292.9	505.2	-	505.2
Assam	10.0	-	10.0	19.6	-	19.6	29.6	-	29.6
Bihar	-	-	-	-	-	-	-	-	-
Odisha	-	-	-	-	-	-	-	-	-
West Bengal	202.2	-	202.2	273.3	-	273.3	475.5	-	475.5
Jharkhand	-	-	-	-	-	-	-	-	-
Meghalaya	-	-	-	-	-	-	-	-	-
Tripura	-	-	-	-	-	-	-	-	-
North	128.8	-	128.8	128.7	-	128.7	257.5	-	257.5
Haryana	0.9	-	0.9	23.0	-	23.0	23.9	-	23.9
Himachal Pradesh	-	-	-	-	-	-	-	-	-
Punjab	-	-	-	-	-	-	-	-	-
Uttar Pradesh	127.9	-	127.9	105.8	-	105.8	233.7	-	233.7
Uttarakhand	-	-	-	-	-	-	-	-	-
South	214.3	-	214.3	190.8	-	190.8	405.1	-	405.1
Andhra Pradesh	102.7	-	102.7	88.5	-	88.5	191.2	-	191.2
Telangana	6.5	-	6.5	4.2	-	4.2	10.7	-	10.7
Karnataka	13.8	-	13.8	10.0	-	10.0	23.9	-	23.9
Kerala	-	-	-	-	-	-	-	-	-
Tamil Nadu	91.2	-	91.2	88.1	-	88.1	179.3	-	179.3
Puducherry	-	-	-	-	-	-	-	-	-
West	1,433.8	-	1,433.8	1,551.6	-	1,551.6	2,985.4	-	2,985.4
Gujarat	143.6	-	143.6	149.5	-	149.5	293.1	-	293.1
Madhya Pradesh	371.4	-	371.4	380.0	-	380.0	751.3	-	751.3
Chhattisgarh	76.7	-	76.7	71.6	-	71.6	148.3	-	148.3
Maharashtra	339.1	-	339.1	338.6	-	338.6	677.7	-	677.7
Rajasthan	503.0	-	503.0	611.9	-	611.9	1,115.0	-	1,115.0
Others*	0.1	-	0.1	0.4	-	0.4	0.5	-	0.5
All India	1,989.3	-	1,989.3	2,164.4	-	2,164.4	4,153.6	-	4,153.6
* = Exports									

4.03 SEASON-WISE DESPATCHES OF COMPLEX FERTILISERS INDIGENOUS AND IMPORTED - 2014-15									
('000 tonnes)									
Zone / State	Kharif 2014			Rabi 2014-15			Total 2014-15		
	Indigenous	Imported	Total	Indigenous	Imported	Total	Indigenous	Imported	Total
(A) Diammonium Phosphate (18-46-0)									
East	269.3	138.8	408.1	236.7	154.5	391.2	506.0	293.3	799.3
Assam	13.3	1.4	14.7	17.2	4.4	21.6	30.5	5.7	36.3
Bihar	60.2	91.4	151.6	78.4	116.8	195.3	138.6	208.2	346.9
Odisha	93.9	4.9	98.8	38.9	1.0	39.9	132.8	5.9	138.7
West Bengal	87.6	33.6	121.2	99.5	29.5	129.0	187.1	63.2	250.2
Jharkhand	13.6	7.6	21.2	2.6	2.7	5.3	16.2	10.3	26.5
Meghalaya	0.3	-	0.3	-	-	-	0.3	-	0.3
Mizoram	-	-	-	0.03	-	0.03	0.03	-	0.03
Tripura	0.4	-	0.4	-	-	-	0.4	-	0.4
North	359.2	826.4	1,185.6	621.9	941.5	1,563.4	981.1	1,767.9	2,749.0
Haryana	25.9	157.8	183.7	21.1	215.8	236.9	47.0	373.6	420.6
Jammu & Kashmir	3.7	20.4	24.1	5.6	37.3	42.9	9.3	57.7	67.0
Punjab	73.5	374.1	447.7	17.2	251.9	269.1	90.8	626.1	716.8
Uttar Pradesh	247.3	273.5	520.8	566.1	431.9	998.0	813.4	705.5	1,518.8
Uttarakhand	8.7	0.5	9.3	12.0	4.5	16.5	20.7	5.0	25.8
South	373.8	290.0	590.6	406.8	163.6	489.0	780.6	453.7	1,234.3
Andhra Pradesh	71.8	51.1	122.9	117.7	56.6	174.3	189.5	107.7	297.3
Telangana	35.4	37.9	73.3	53.4	28.0	81.4	88.8	65.8	154.6
Karnataka	198.0	142.9	340.9	124.3	44.7	168.9	322.3	187.6	509.8
Kerala	5.9	12.6	18.5	6.1	6.4	12.5	12.0	19.0	31.0
Tamil Nadu	62.5	45.3	107.7	104.5	26.8	131.3	166.9	72.1	239.0
Puducherry	0.3	0.3	0.6	0.4	0.6	1.0	0.6	0.9	1.5
A & N Islands	-	-	-	0.5	0.5	1.0	0.5	0.5	1.0
West	613.9	758.0	1,371.9	545.1	712.0	1,257.1	1,159.0	1,470.0	2,629.0
Gujarat	175.4	41.6	217.0	147.0	51.0	198.0	322.4	92.6	415.0
Madhya Pradesh	89.0	250.2	339.3	174.6	355.9	530.4	263.6	606.1	869.7
Chhattisgarh	83.5	76.7	160.2	48.0	19.9	67.9	131.5	96.6	228.1
Maharashtra	171.1	177.6	348.7	118.1	93.1	211.2	289.2	270.6	559.9
Rajasthan	92.8	211.9	304.7	57.0	192.1	249.1	149.8	404.0	553.8
Goa	1.2	-	1.2	0.1	-	0.1	1.3	-	1.3
Daman & Diu	0.0	-	0.0	-	-	-	0.0	-	0.0
D & N Haveli	0.8	-	0.8	0.4	-	0.4	1.2	-	1.2
All India	1,616.2	2,013.3	3,556.2	1,810.5	1,971.6	3,700.7	3,426.7	3,984.8	7,411.6

(Continued)

4.03 SEASON-WISE DESPATCHES OF COMPLEX FERTILISERS INDIGENOUS AND IMPORTED - 2014-15 (Continued)									
('000 tonnes)									
Zone / State	Kharif 2014			Rabi 2014-15			Total 2014-15		
	Indigenous	Imported	Total	Indigenous	Imported	Total	Indigenous	Imported	Total
(B) NPS (16-20-0-13)									
South	30.2	-	30.2	45.1	-	45.1	75.3	-	75.3
Andhra Pradesh	2.5	-	2.5	5.7	-	5.7	8.2	-	8.2
Telangana	6.5	-	6.5	1.0	-	1.0	7.5	-	7.5
Karnataka	20.0	-	20.0	30.9	-	30.9	50.9	-	50.9
Tamil Nadu	1.2	-	1.2	7.0	-	7.0	8.2	-	8.2
Puducherry	0.0	-	0.0	0.4	-	0.4	0.5	-	0.5
All India	30.2	-	30.2	45.1	-	45.1	75.3	-	75.3
(C) Nitro Phosphate (20-20-0)									
East	12.6	-	12.6	15.7	-	15.7	28.3	-	28.3
Bihar	0.4	-	0.4	1.7	-	1.7	2.1	-	2.1
West Bengal	12.2	-	12.2	14.0	-	14.0	26.2	-	26.2
North	11.5	-	11.5	18.8	-	18.8	30.3	-	30.3
Haryana	1.1	-	1.1	0.8	-	0.8	1.9	-	1.9
Punjab	0.6	-	0.6	-	-	-	0.6	-	0.6
Uttar Pradesh	9.7	-	9.7	18.0	-	18.0	27.8	-	27.8
South	34.3	-	34.3	35.3	-	35.3	69.6	-	69.6
Andhra Pradesh	6.7	-	6.7	5.1	-	5.1	11.8	-	11.8
Telangana	4.2	-	4.2	6.8	-	6.8	11.0	-	11.0
Karnataka	22.7	-	22.7	18.9	-	18.9	41.6	-	41.6
Kerala	-	-	-	-	-	-	-	-	-
Tamil Nadu	0.6	-	0.6	4.5	-	4.5	5.2	-	5.2
West	156.7	0.9	157.5	180.1	22.5	202.7	336.8	23.4	360.2
Gujarat	66.2	-	66.2	84.0	0.2	84.2	150.1	0.2	150.3
Madhya Pradesh	7.2	0.9	8.1	8.1	13.9	21.9	15.3	14.8	30.1
Chhattisgarh	0.5	-	0.5	1.1	-	1.1	1.6	-	1.6
Maharashtra	78.0	0.001	78.0	82.5	-	82.5	160.5	0.001	160.5
Rajasthan	4.6	-	4.6	4.4	8.5	12.9	9.0	8.5	17.5
Goa	0.1	-	0.1	0.2	-	0.2	0.2	-	0.2
All India	215.0	0.9	215.9	249.9	22.5	272.5	464.9	23.4	488.4
* = Ammonium Nitro Phosphate.									
(Continued)									

4.03 SEASON-WISE DESPATCHES OF COMPLEX FERTILISERS INDIGENOUS AND IMPORTED - 2014-15 (Continued)									
Zone / State	Kharif 2014			Rabi 2014-15			Total 2014-15		
	Indigenous	Imported	Total	Indigenous	Imported	Total	Indigenous	Imported	Total
('000 tonnes)									
(D) APS (20-20-0-13) & (20-20-0-13-0.3)									
East	174.3	15.5	189.9	191.0	0.3	191.3	365.3	15.8	381.1
Assam	5.5	-	5.5	2.6	-	2.6	8.1	-	8.1
Bihar	45.5	6.2	51.7	105.1	-	105.1	150.6	6.2	156.8
Odisha	87.8	9.3	97.2	39.8	0.3	40.0	127.6	9.6	137.2
West Bengal	27.9	-	27.9	38.6	-	38.6	66.5	-	66.5
Jharkhand	7.4	-	7.4	5.0	-	5.0	12.3	-	12.3
Meghalaya	0.2	-	0.2	-	-	-	0.2	-	0.2
North	46.4	-	46.4	128.4	-	128.4	174.8	-	174.8
Punjab	1.6	-	1.6	2.0	-	2.0	3.6	-	3.6
Haryana	0.5	-	0.5	0.2	-	0.2	0.8	-	0.8
Uttar Pradesh	44.1	-	44.1	126.0	-	126.0	170.1	-	170.1
Uttarakhand	0.1	-	0.1	0.2	-	0.2	0.3	-	0.3
South	964.6	60.4	1,025.0	1,102.1	58.3	1,160.4	2,066.7	118.7	2,185.4
Andhra Pradesh	255.9	12.0	267.9	343.7	26.9	370.6	599.6	38.9	638.5
Telangana	238.7	29.8	268.5	260.9	7.5	268.5	499.7	37.3	537.0
Karnataka	289.0	12.1	301.1	219.7	6.5	226.2	508.7	18.7	527.4
Kerala	56.7	2.8	59.5	48.1	1.5	49.6	104.8	4.3	109.1
Tamil Nadu	123.3	3.5	126.8	226.5	15.6	242.1	349.8	19.1	368.9
Puducherry	1.0	0.1	1.1	3.2	0.3	3.4	4.2	0.4	4.6
West	233.0	16.7	249.7	200.1	3.2	203.3	433.1	19.9	453.0
Gujarat	53.0	-	53.0	65.5	-	65.5	118.5	-	118.5
Madhya Pradesh	10.6	-	10.6	22.6	-	22.6	33.2	-	33.2
Chhattisgarh	9.2	-	9.2	6.3	-	6.3	15.5	-	15.5
Maharashtra	153.5	16.7	170.2	99.3	3.2	102.5	252.8	19.9	272.7
Rajasthan	6.7	-	6.7	6.3	-	6.3	13.0	-	13.0
D & N Haveli	0.03	-	0.03	0.04	-	0.04	0.07	-	0.07
All India	1,418.3	92.6	1,510.9	1,621.6	61.7	1,683.4	3,039.9	154.4	3,194.3
(E) NP (28-28-0)									
East	41.6	-	41.6	65.4	-	65.4	107.0	-	107.0
Odisha	33.0	-	33.0	42.0	-	42.0	75.0	-	75.0
West Bengal	8.6	-	8.6	23.5	-	23.5	32.1	-	32.1
South	113.0	-	113.0	184.3	-	184.3	297.3	-	297.3
Andhra Pradesh	77.9	-	77.9	143.3	-	143.3	221.2	-	221.2
Telangana	32.5	-	32.5	38.5	-	38.5	71.0	-	71.0
Karnataka	2.7	-	2.7	2.4	-	2.4	5.1	-	5.1
Puducherry	-	-	-	0.0	-	0.0	0.0	-	0.0
West	9.5	-	9.5	2.3	-	2.3	11.8	-	11.8
Chhattisgarh	9.5	-	9.5	2.3	-	2.3	11.8	-	11.8
All India	164.2	-	164.2	252.0	-	252.0	416.2	-	416.2

(Continued)

4.03 SEASON-WISE DESPATCHES OF COMPLEX FERTILISERS INDIGENOUS AND IMPORTED - 2014-15 (Continued)									
Zone / State	Kharif 2014			Rabi 2014-15			Total 2014-15		
	Indigenous	Imported	Total	Indigenous	Imported	Total	Indigenous	Imported	Total
(F) NP (24-24-0) & (24-24-0-08)									
South	1.9	-	1.9	-	-	-	1.9	-	1.9
Karnataka	1.9	-	1.9	-	-	-	1.9	-	1.9
West	54.4	-	54.4	13.2	-	13.2	67.6	-	67.6
Gujarat	1.8	-	1.8	-	-	-	1.8	-	1.8
Madhya Pradesh	0.2	-	0.2	-	-	-	0.2	-	0.2
Maharashtra	52.4	-	52.4	13.2	-	13.2	65.6	-	65.6
South	0.9	-	0.9	1.1	-	1.1	2.0	-	2.0
Andhra Pradesh	0.9	-	0.9	1.1	-	1.1	2.0	-	2.0
All India	57.2	-	57.2	14.3	-	14.3	71.6	-	71.6
(G) NPK (12-32-16) & NPK Zinc (12:32:16)									
East	39.2	-	39.2	65.9	-	65.9	105.1	-	105.1
Assam	0.2	-	0.2	-	-	-	0.2	-	0.2
Bihar	35.4	-	35.4	56.3	-	56.3	91.7	-	91.7
West Bengal	0.1	-	0.1	6.1	-	6.1	6.2	-	6.2
Jharkhand	3.4	-	3.4	3.5	-	3.5	6.9	-	6.9
North	112.2	-	112.2	369.4	-	369.4	481.6	-	481.6
Haryana	13.0	-	13.0	14.4	-	14.4	27.4	-	27.4
Jammu & Kashmir	1.0	-	1.0	-	-	-	1.0	-	1.0
Punjab	17.2	-	17.2	16.9	-	16.9	34.1	-	34.1
Uttar Pradesh	67.7	-	67.7	294.9	-	294.9	362.6	-	362.6
Uttarakhand	10.7	-	10.7	25.5	-	25.5	36.2	-	36.2
Himachal Pradesh	2.6	-	2.6	17.8	-	17.8	20.4	-	20.4
South	31.1	-	31.1	10.3	-	10.3	41.4	-	41.4
Andhra Pradesh	4.5	-	4.5	-	-	-	4.5	-	4.5
Telangana	8.6	-	8.6	2.4	-	2.4	11.0	-	11.0
Karnataka	18.0	-	18.0	7.9	-	7.9	25.9	-	25.9
West	200.6	-	200.6	236.7	-	236.7	437.2	-	437.2
Gujarat	72.8	-	72.8	67.2	-	67.2	140.1	-	140.1
Madhya Pradesh	47.0	-	47.0	100.8	-	100.8	147.8	-	147.8
Chhattisgarh	22.7	-	22.7	17.9	-	17.9	40.6	-	40.6
Maharashtra	41.5	-	41.5	37.9	-	37.9	79.4	-	79.4
Rajasthan	16.6	-	16.6	12.8	-	12.8	29.3	-	29.3
All India	383.1	-	383.1	682.2	-	682.2	1,065.3	-	1,065.3

(Continued)

4.03 SEASON-WISE DESPATCHES OF COMPLEX FERTILISERS INDIGENOUS AND IMPORTED - 2014-15 (Continued)									
Zone / State	Kharif 2014			Rabi 2014-15			Total 2014-15		
	Indigenous	Imported	Total	Indigenous	Imported	Total	Indigenous	Imported	Total
(H) NPK (10-26-26)									
East	282.8	-	282.8	387.0	-	387.0	669.8	-	669.8
Assam	1.5	-	1.5	2.5	-	2.5	4.0	-	4.0
Bihar	10.4	-	10.4	7.9	-	7.9	18.3	-	18.3
Odisha	5.3	-	5.3	1.7	-	1.7	7.0	-	7.0
West Bengal	261.1	-	261.1	372.3	-	372.3	633.4	-	633.4
Jharkhand	3.9	-	3.9	2.5	-	2.5	6.4	-	6.4
Tripura	0.6	-	0.6	-	-	-	0.6	-	0.6
North	-	-	-	7.0	-	7.0	7.0	-	7.0
Jammu & Kashmir	-	-	-	0.8	-	0.8	0.8	-	0.8
Uttar Pradesh	-	-	-	5.8	-	5.8	5.8	-	5.8
Himachal Pradesh	-	-	-	0.3	-	0.3	0.3	-	0.3
South	212.4	-	212.4	282.2	-	282.2	494.6	-	494.6
Andhra Pradesh	45.6	-	45.6	100.9	-	100.9	146.5	-	146.5
Telangana	6.7	-	6.7	18.7	-	18.7	25.3	-	25.3
Karnataka	141.8	-	141.8	145.4	-	145.4	287.2	-	287.2
Kerala	5.1	-	5.1	4.3	-	4.3	9.4	-	9.4
Tamil Nadu	13.3	-	13.3	12.9	-	12.9	26.2	-	26.2
West	320.1	-	320.1	364.2	74.4	438.6	684.3	74.4	758.8
Gujarat	8.6	-	8.6	17.5	1.6	19.1	26.1	1.6	27.7
Madhya Pradesh	-	-	-	0.6	1.7	2.3	0.6	1.7	2.3
Maharashtra	310.8	-	310.8	345.4	71.1	416.5	656.2	71.1	727.3
Rajasthan	-	-	-	0.02	-	0.02	0.02	-	0.02
Goa	0.7	-	0.7	0.7	-	0.7	1.4	-	1.4
All India	815.3	-	815.3	1,040.4	74.4	1,114.8	1,855.6	74.4	1,930.1
(I) NPK (15-15-15)									
East	25.0	-	25.0	27.6	-	27.6	52.6	-	52.6
Bihar	0.9	-	0.9	3.2	-	3.2	4.1	-	4.1
West Bengal	24.1	-	24.1	24.4	-	24.4	48.5	-	48.5
North	3.7	-	3.7	11.6	-	11.6	15.2	-	15.2
Haryana	1.1	-	1.1	1.5	-	1.5	2.6	-	2.6
Uttar Pradesh	2.5	-	2.5	10.1	-	10.1	12.6	-	12.6
South	48.6	-	48.6	62.0	-	62.0	110.5	-	110.5
Andhra Pradesh	5.9	-	5.9	7.1	-	7.1	13.0	-	13.0
Telangana	2.9	-	2.9	7.1	-	7.1	10.0	-	10.0
Karnataka	38.7	-	38.7	37.5	-	37.5	76.2	-	76.2
Tamil Nadu	1.1	-	1.1	10.2	-	10.2	11.3	-	11.3
West	96.1	-	96.1	120.7	-	120.7	216.7	-	216.7
Gujarat	5.8	-	5.8	7.4	-	7.4	13.3	-	13.3
Madhya Pradesh	1.8	-	1.8	3.7	-	3.7	5.4	-	5.4
Chhattisgarh	1.0	-	1.0	0.8	-	0.8	1.8	-	1.8
Maharashtra	87.4	-	87.4	108.5	-	108.5	195.9	-	195.9
Goa	0.1	-	0.1	0.3	-	0.3	0.4	-	0.4
All India	173.3	-	173.3	221.8	-	221.8	395.1	-	395.1

(Continued)

4.03 SEASON-WISE DESPATCHES OF COMPLEX FERTILISERS INDIGENOUS AND IMPORTED - 2014-15 (Continued)									
Zone / State	Kharif 2014			Rabi 2014-15			Total 2014-15		
	Indigenous	Imported	Total	Indigenous	Imported	Total	Indigenous	Imported	Total
(J) NPKS (15-15-15-09)									
East	11.2	-	11.2	-	-	-	11.2	-	11.2
Odisha	0.3	-	0.3	-	-	-	0.3	-	0.3
West Bengal	11.0	-	11.0	-	-	-	11.0	-	11.0
South	0.1	-	0.1	-	-	-	0.1	-	0.1
Andhra Pradesh	0.1	-	0.1	-	-	-	0.1	-	0.1
West	13.4	-	13.4	-	-	-	13.4	-	13.4
Maharashtra	13.4	-	13.4	-	-	-	13.4	-	13.4
All India	24.7	-	24.7	-	-	-	24.7	-	24.7
(K) NPK (14-35-14)									
East	13.6	-	13.6	42.9	-	42.9	56.5	-	56.5
Bihar	2.2	-	2.2	2.0	-	2.0	4.2	-	4.2
Odisha	2.0	-	2.0	1.7	-	1.7	3.7	-	3.7
West Bengal	9.4	-	9.4	39.3	-	39.3	48.7	-	48.7
North	-	-	-	3.1	-	3.1	3.1	-	3.1
Uttar Pradesh	-	-	-	3.1	-	3.1	3.1	-	3.1
South	51.9	-	51.9	117.5	-	117.5	169.5	-	169.5
Andhra Pradesh	36.6	-	36.6	93.9	-	93.9	130.5	-	130.5
Telangana	10.7	-	10.7	20.6	-	20.6	31.3	-	31.3
Karnataka	4.6	-	4.6	3.0	-	3.0	7.6	-	7.6
West	1.3	-	1.3	4.4	-	4.4	5.7	-	5.7
Madhya Pradesh	-	-	-	1.9	-	1.9	1.9	-	1.9
Maharashtra	1.3	-	1.3	2.4	-	2.4	3.7	-	3.7
All India	66.8	-	66.8	167.9	-	167.9	234.7	-	234.7
(L) NPK (16-16-16)									
South	-	18.2	18.2	-	0.4	0.4	-	18.6	18.6
Andhra Pradesh	-	1.1	1.1	-	0.2	0.2	-	1.4	1.4
Telangana	-	0.3	0.3	-	0.2	0.2	-	0.5	0.5
Karnataka	-	8.0	8.0	-	-	-	-	8.0	8.0
Kerala	-	0.8	0.8	-	-	-	-	0.8	0.8
Tamil Nadu	-	8.0	8.0	-	-	-	-	8.0	8.0
West	-	53.3	53.3	-	-	-	-	53.3	53.3
Maharashtra	-	53.3	53.3	-	-	-	-	53.3	53.3
All India	-	71.6	71.6	-	0.4	0.4	-	71.9	71.9

(Continued)

4.03 SEASON-WISE DESPATCHES OF COMPLEX FERTILISERS INDIGENOUS AND IMPORTED - 2014-15 (Continued)									
('000 tonnes)									
Zone / State	Kharif 2014			Rabi 2014-15			Total 2014-15		
	Indigenous	Imported	Total	Indigenous	Imported	Total	Indigenous	Imported	Total
(M) NPK (17-17-17)									
East	0.2	-	0.2	-	-	-	0.2	-	0.2
West Bengal	0.2	-	0.2	-	-	-	0.2	-	0.2
South	32.4	-	32.4	51.4	-	51.4	83.9	-	83.9
Andhra Pradesh	7.2	-	7.2	9.6	-	9.6	16.9	-	16.9
Telangana	1.3	-	1.3	3.0	-	3.0	4.4	-	4.4
Karnataka	10.6	-	10.6	12.2	-	12.2	22.8	-	22.8
Kerala	3.3	-	3.3	2.2	-	2.2	5.6	-	5.6
Tamil Nadu	9.2	-	9.2	23.2	-	23.2	32.4	-	32.4
Puducherry	0.8	-	0.8	1.1	-	1.1	1.9	-	1.9
All India	32.6	-	32.6	51.4	-	51.4	84.1	-	84.1
(N) NPK (19-19-19)									
South	1.4	-	1.4	43.0	-	43.0	44.3	-	44.3
Andhra Pradesh	-	-	-	9.0	-	9.0	9.0	-	9.0
Telangana	-	-	-	2.1	-	2.1	2.1	-	2.1
Karnataka	1.4	-	1.4	31.9	-	31.9	33.2	-	33.2
West	0.6	-	0.6	33.8	-	33.8	34.4	-	34.4
Maharashtra	0.6	-	0.6	33.0	-	33.0	33.6	-	33.6
Goa	-	-	-	0.8	-	0.8	0.8	-	0.8
All India	1.9	-	1.9	76.8	-	76.8	78.7	-	78.7

(Continued)

4.04 SEASON-WISE DESPATCHES OF STRAIGHT POTASSIC FERTILISERS IMPORTED - 2014-15			
Zone / State	Kharif 2014	Rabi 2014-15	Total 2014-15
(A) MOP (60% K₂O)			
East	298.0	320.5	618.4
Assam	35.0	39.7	74.7
Bihar	65.9	104.3	170.2
Odisha	60.7	28.3	89.0
West Bengal	133.0	147.9	280.9
Jharkhand	0.6	-	0.6
Mizoram	0.1	0.3	0.4
Tripura	2.6	-	2.6
North	179.3	224.1	403.5
Haryana	36.6	25.0	61.5
Jammu & Kashmir	4.8	24.7	29.5
Punjab	44.6	23.5	68.1
Uttar Pradesh	92.7	139.5	232.2
Uttarakhand	0.6	1.3	2.0
Himachal Preadesh	-	10.1	10.1
South	595.2	568.8	1,164.0
Andhra Pradesh	111.0	147.1	258.1
Telangana	66.6	44.6	111.1
Karnataka	221.2	163.6	384.8
Kerala	64.4	50.9	115.3
Tamil Nadu	131.0	160.6	291.7
Puducherry	1.0	1.6	2.6
A & N Islands	-	0.4	0.4
West	442.8	301.2	744.0
Gujarat	59.4	62.2	121.6
Madhya Pradesh	59.7	30.4	90.1
Chhattisgarh	41.0	18.3	59.3
Maharashtra	277.5	180.6	458.2
Rajasthan	4.6	9.5	14.1
Goa	0.5	0.2	0.7
All India	1,515.3	1,414.6	2,929.8
(B) SOP (50% K₂O) *			
South	8.5	8.0	16.5
Andhra Pradesh	1.6	7.7	9.3
Karnataka	6.9	0.3	7.2
West	2.4	-	2.4
Maharashtra	2.4	-	2.4
All India	11.0	8.0	19.0
* = SOP consumption figures assumed as despatches.			

**4.05 STATE-WISE DESPATCHES OF FERTILISERS - PRODUCT-WISE AND NUTRIENT-WISE
2014-15 (April-March)**

('000 tonnes)

Zone/States	Urea	AS **	ACI **	DAP	16-20-0-13	20-20-0-13 APS ¹	20-20-0 ANP	24-24-0 ²	28-28-0
East	4,263.9	16.7	-	799.3	-	381.1	28.3	-	107.0
Assam	334.9	-	-	36.3	-	8.1	-	-	-
Bihar	1,916.5	1.3	-	346.9	-	156.8	2.1	-	-
Odisha	495.5	9.5	-	138.7	-	137.2	-	-	75.0
West Bengal	1,308.4	5.9	-	250.2	-	66.5	26.2	-	32.1
Jharkhand	175.3	-	-	26.5	-	12.3	-	-	-
Manipur	9.9	-	-	-	-	-	-	-	-
Meghalaya	-	-	-	0.3	-	0.2	-	-	-
Mizoram	-	-	-	0.03	-	-	-	-	-
Nagaland	11.1	-	-	-	-	-	-	-	-
Tripura	11.8	-	-	0.4	-	-	-	-	-
Arunachal Pradesh	0.5	-	-	-	-	-	-	-	-
North	11,482.5	54.8	-	2,749.0	-	174.8	30.3	-	-
Haryana	2,007.2	1.8	-	420.6	-	0.8	1.9	-	-
Himachal Pradesh	67.4	0.1	-	-	-	-	-	-	-
Jammu & Kashmir	102.1	-	-	67.0	-	-	-	-	-
Punjab	2,759.5	2.0	-	716.8	-	3.6	0.6	-	-
Uttar Pradesh	6,261.6	51.0	-	1,518.8	-	170.1	27.8	-	-
Uttarakhand	279.5	-	-	25.8	-	0.3	-	-	-
Delhi	5.1	-	-	-	-	-	-	-	-
South	5,729.1	223.3	0.9	1,234.3	75.3	2,185.4	69.6	4.0	297.3
Andhra Pradesh	1,832.1	69.2	-	297.3	8.2	638.5	11.8	2.0	221.2
Telangana	1,218.2	21.9	-	154.6	7.5	537.0	11.0	-	71.0
Karnataka	1,531.8	85.3	0.9	509.8	50.9	527.4	41.6	1.9	5.1
Kerala	135.9	5.0	-	31.0	-	109.1	-	-	-
Tamil Nadu	996.0	41.8	-	239.0	8.2	368.9	5.2	-	-
Puducherry	14.4	-	-	1.5	0.5	4.6	-	-	0.02
A & N Islands	0.6	-	-	1.0	-	-	-	-	-
West	9,371.5	213.8	-	2,629.0	-	453.0	360.2	67.6	11.8
Gujarat	2,278.1	127.5	-	415.0	-	118.5	150.3	1.8	-
Madhya Pradesh	2,062.9	7.5	-	869.7	-	33.2	30.1	0.2	-
Chhattisgarh	621.8	10.0	-	228.1	-	15.5	1.6	-	11.8
Maharashtra	2,556.1	61.0	-	559.9	-	272.7	160.5	65.6	-
Rajasthan	1,847.6	7.8	-	553.8	-	13.0	17.5	-	-
Goa	3.4	-	-	1.3	-	-	0.2	-	-
Daman & Diu	0.3	-	-	0.0	-	-	-	-	-
D & Nagar Haveli	1.3	0.1	-	1.2	-	0.1	-	-	-
Others	-	-	-	-	-	-	-	-	-
All India	30,847.0	508.6	0.9	7,411.6	75.3	3,194.3	488.4	71.6	416.2

1 = includes 20-20-0-13-0.3

2 = includes 24-24-0-08

** = consumption figures assumed as despatches.

**4.05 STATE-WISE DESPATCHES OF FERTILISERS - PRODUCT-WISE AND NUTRIENT-WISE
2014-15 (April-March) (Continued)**

('000 tonnes)

Zone/States	12-32-16	10-26-26	15-15-15	15-15-15-09	14-35-14	16-16-16	19-19-19	17-17-17	SSP	
East	105.1	669.8	52.6	11.2	56.5	-	-	0.2	505.2	#
Assam	0.2	4.0	-	-	-	-	-	-	29.6	
Bihar	91.7	18.3	4.1	-	4.2	-	-	-	-	
Odisha	-	7.0	-	0.3	3.7	-	-	-	-	
West Bengal	6.2	633.4	48.5	11.0	48.7	-	-	0.2	475.5	
Jharkhand	6.9	6.4	-	-	-	-	-	-	-	
Manipur	-	-	-	-	-	-	-	-	-	
Meghalaya	-	-	-	-	-	-	-	-	-	
Mizoram	-	-	-	-	-	-	-	-	-	
Nagaland	-	-	-	-	-	-	-	-	-	
Tripura	-	0.6	-	-	-	-	-	-	-	
Arunachal Pradesh	-	-	-	-	-	-	-	-	-	
North	481.6	7.0	15.2	-	3.1	-	-	-	257.5	#
Haryana	27.4	-	2.6	-	-	-	-	-	23.9	
Himachal Pradesh	20.4	0.3	-	-	-	-	-	-	-	
Jammu & Kashmir	1.0	0.8	-	-	-	-	-	-	-	
Punjab	34.1	-	-	-	-	-	-	-	-	
Uttar Pradesh	362.6	5.8	12.6	-	3.1	-	-	-	233.7	
Uttarakhand	36.2	-	-	-	-	-	-	-	-	
Delhi	-	-	-	-	-	-	-	-	-	
South	41.4	494.6	110.5	0.1	169.5	18.6	44.3	83.9	405.1	#
Andhra Pradesh & Telangana	4.5	146.5	13.0	0.1	130.5	1.4	9.0	16.9	191.2	
Telangana	11.0	25.3	10.0	-	31.3	0.5	2.1	4.4	10.7	
Karnataka	25.9	287.2	76.2	-	7.6	8.0	33.2	22.8	23.9	
Kerala	-	9.4	-	-	-	0.8	-	5.6	-	
Tamil Nadu	-	26.2	11.3	-	-	8.0	-	32.4	179.3	
Puducherry	-	-	-	-	-	-	-	1.9	-	
A & N Islands	-	-	-	-	-	-	-	-	-	
West	437.2	758.8	216.7	13.4	5.7	53.32	34.4	-	2,985.4	#
Gujarat	140.1	27.7	13.3	-	-	-	-	-	293.1	
Madhya Pradesh	147.8	2.3	5.4	-	1.9	-	-	-	751.3	
Chhattisgarh	40.6	-	1.8	-	-	-	-	-	148.3	
Maharashtra	79.4	727.3	195.9	13.4	3.7	53.3	33.6	-	677.7	
Rajasthan	29.3	0.02	-	-	-	-	-	-	1,115.0	
Goa	-	1.41	0.4	-	-	-	0.8	-	-	
Daman & Diu	-	-	-	-	-	-	-	-	-	
D & Nagar Haveli	-	-	-	-	-	-	-	-	-	
Others									0.5	\$
All India	1,065.3	1,930.1	395.1	24.7	234.7	71.9	78.7	84.1	4,153.6	
\$ = exports										

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(Continued)

**4.05 STATE-WISE DESPATCHES OF FERTILISERS - PRODUCT-WISE AND NUTRIENT-WISE
2014-15 (April-March) (Concluded)**

('000 tonnes)

Zone/States	MOP#	SOP **	Total				
			Product	Nutrient			
				N	P ₂ O ₅	K ₂ O	(N+P ₂ O ₅ +K ₂ O)
East	618.4	-	7,615.4	2,317.7	797.5	579.5	3,694.7
Assam	74.7	-	487.9	162.6	24.2	45.9	232.7
Bihar	170.2	-	2,712.1	990.1	227.5	122.8	1,340.4
Odisha	89.0	-	955.8	304.5	115.4	55.8	475.7
West Bengal	280.9	-	3,193.8	755.5	411.4	350.0	1,516.9
Jharkhand	0.6	-	228.1	89.4	18.5	3.2	111.1
Manipur	-	-	9.9	4.5	-	-	4.5
Meghalaya	-	-	0.5	0.1	0.2	-	0.2
Mizoram	0.4	-	0.4	0.0	0.0	0.2	0.2
Nagaland	-	-	11.1	5.1	-	-	5.1
Tripura	2.6	-	15.4	5.6	0.3	1.7	7.6
Arunachal Pradesh	-	-	0.5	0.2	-	-	0.2
North	403.5	-	15,659.3	5,890.3	1,506.0	323.7	7,720.0
Haryana	61.5	-	2,547.7	1,003.6	207.0	41.7	1,252.3
Himachal Pradesh	10.1	-	98.3	33.5	6.6	9.4	49.5
Jammu & Kashmir	29.5	-	200.4	59.2	31.3	18.1	108.6
Punjab	68.1	-	3,584.8	1,403.8	341.5	46.3	1,791.6
Uttar Pradesh	232.2	-	8,879.2	3,250.2	896.1	201.2	4,347.5
Uttarakhand	2.0	-	343.7	137.6	23.5	7.0	168.1
Delhi	-	-	5.1	2.3	-	-	2.3
South	1,164.0	16.5	12,367.6	3,571.4	1,426.3	907.8	5,905.5
Andhra Pradesh & Telangana	258.1	9.3	3,860.8	1,144.6	453.4	223.3	1,821.4
Telangana	111.1	-	2,227.8	734.4	227.6	82.1	1,044.1
Karnataka	384.8	7.2	3,631.6	993.8	472.7	337.3	1,803.8
Kerala	115.3	-	411.9	92.9	39.6	72.7	205.2
Tamil Nadu	291.7	-	2,208.0	597.0	230.4	190.3	1,017.7
Puducherry	2.6	-	25.4	8.2	2.0	1.9	12.1
A & N Islands	0.4	-	2.0	0.5	0.5	0.2	1.2
West	744.0	2.4	18,358.2	5,189.0	2,257.9	765.2	8,212.2
Gujarat	121.6	-	3,687.0	1,224.7	346.0	104.6	1,675.2
Madhya Pradesh	90.1	-	4,002.4	1,138.8	582.4	79.4	1,800.5
Chhattisgarh	59.3	-	1,138.8	341.0	148.6	42.4	532.0
Maharashtra	458.2	2.4	5,920.7	1,520.6	730.5	524.8	2,775.9
Rajasthan	14.1	-	3,598.0	960.8	448.6	13.1	1,422.6
Goa	0.7	-	8.3	2.2	1.2	1.0	4.4
Daman & Diu	-	-	0.3	0.1	0.0	-	0.2
D & Nagar Haveli	-	-	2.6	0.8	0.6	-	1.4
Others			0.5 *		0.1		0.1
All India	2,929.8	19.0	54,000.8 *	16,968.4	5,987.8	2,576.2 @	25,532.5

* = Include despatches to: (i) mixing units, (ii) exports.

** = consumption figures assumed as despatches.

@ = All India K₂O has been derived from the aggregate of statewide despatches of MOP, SOP and various grades of NPKs.. It excludes despatches of MOP/SOP to complex manufacturers.

= For direct application.

4.06 DESPATCHES OF TOTAL FERTILISER PRODUCTS
1990-91, 1995-96, 2005-06, 2010-11 to 2014-15

('000 tonnes)

Fertiliser/Products	1990-91	1995-96	2005-06	2010-11	2011-12	2012-13	2013-14	2014-15
A. Nitrogenous								
Ammonium sulphate (20.6% N)	554.7	631.0	620.9	616.0	509.4	529.7	480.7	508.6
Urea (46% N)	13201.0	19241.4	22031.1	28334.0	29759.9	30324.0	30120.3	30847.0
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
B. NP and NPKs								
16-20-0-13	71.8	172.3	180.6	438.7	632.6	219.8	181.4	75.3
20-20-0-13 (APS)	539.8	1206.0	1581.5	3203.9	3146.2	2499.7	2940.0	3194.3
20-20-0 (ANP)	266.9	395.3	428.7	346.4	3023.5	382.9	373.1	488.4
16-16-16	-	-	-	271.7	60.1	0.05	109.3	71.9
28-28-0	336.5	266.5	401.0	161.5	291.2	266.0	314.1	416.2
14-35-14	21.3	32.2	326.0	617.3	323.7	197.6	143.1	234.7
23-23-0	17.0	141.8	55.1	100.2	-	-	-	-
24-24-0 (ANP)	-	-	-	24.8	176.2	76.9	246.3 @	71.6 @
19-19-19	216.5	174.5	327.1	-	17.6	8.8	89.2	78.7
15-15-15	363.3	313.3	442.3	491.6	445.0	484.4	336.8	395.1
15-15-15-09	-	-	-	23.8	71.3	10.1	5.8	24.7
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
10-26-26	278.8	272.8	1246.9	2967.2	1726.1	1519.0	1662.5	1930.1
12-32-16	205.3	363.6	1505.4	1162.0	1272.2	720.0	860.6	1065.3
18-46-0 (DAP)	4195.0	3971.0	6924.2	11110.2	9837.8	8296.6	6840.0	7411.6
16-44-0 (DAP Lite)	-	-	-	-	1198.7	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	-	-	-
Total NP/NPKs (other than DAP)	2774.0	4064.7	6698.1	9897.5	12052.1	6549.4	7319.2	8130.4
C. Phosphatic								
Single superphosphate (16% P ₂ O ₅)	3593.5	3292.1* [1.7]*	2705.0*	3678.1*	4608.9 *	4200.2 *	4084.6 *	4153.6 *
Triple superphosphate (46% P ₂ O ₅)	-	-	-	98.1	155.2	3.5	-	-
D. Potassic								
Muriate of potash (60% K ₂ O)**	2155.3	2018.7	3706.4	3897.7	3072.7	2035.5	2260.2	2929.8
Sulphate of potash (50% K ₂ O)	30.7	12.4	27.9	19.3	30.8	34.5	30.5	19.0
Total N	7565.5	10592.2	12637.8	16696.7	17832.3	16799.0	16421.6	16968.4
P₂O₅	3099.3	3219.3	5264.1	8142.5	8739.6	6432.8	5499.3	5987.8
K₂O @	1308.5	1554.7	2463.4	3512.8	2683.0	1869.6	2056.9	2576.2
N+P₂O₅+K₂O	11973.3	15366.2	20365.4	28352.0	29255.0	25101.4	23977.7	25532.5
Total Product	26992.5	33875.2	42950.6	57765.7	61425.0	53015.9	51184.5	54000.8

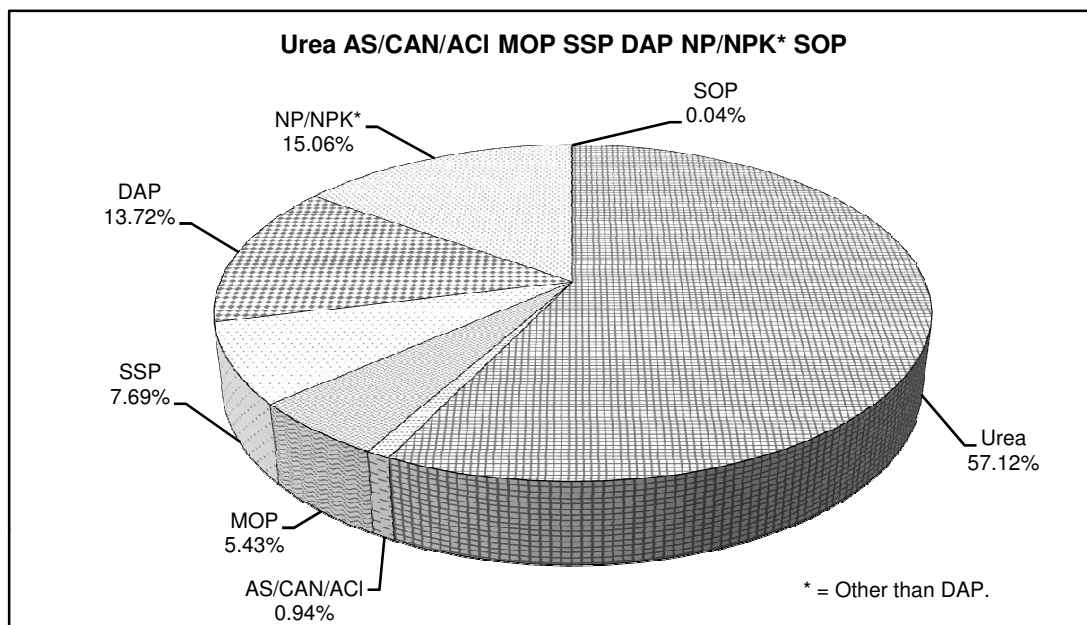
[14% P₂O₅]

* Includes despatches to : (i) Mixing units. (ii) Export to Bangladesh.

@ = All India K₂O 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.

** = Direct despatches to states. Excludes despatches to complex fertiliser manufacturing units.

Fig. 4: SHARE OF VARIOUS FERTILISER PRODUCTS TO TOTAL DESPATCHES OF FERTILISERS - 2014-15



**4.07 ALL INDIA SHARE OF COOPERATIVES IN TOTAL DISTRIBUTION OF FERTILISERS
1990-91 to 2014-15**

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

4.08 QUANTUM OF FERTILISERS MOVED BY RAIL AND AVERAGE LEAD 1980-81 to 2014-15			
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	40,948	80
2014-15 (Est.)	827	43,201	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 2013-14 to 2015-16						
('000 tonnes)						
Month	Urea			DAP		
	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16
April	1,357.57	1,576.23	2,117.20	73.95	164.85	310.19
May	1,746.32	2,170.33	2,472.52	168.23	367.84	838.19
June	2,804.32	2,713.63	2,430.46	622.19	623.22	1,101.23
July	3,094.82	2,656.33	2,949.12	578.31	776.08	769.80
August	3,304.66	2,429.43	2,993.91	745.67	863.29	780.41
September	2,791.12	2,456.87	2,515.90	1,041.70	938.81	1,268.02
April-September (Kharif)	15,098.80	14,002.82	15,479.11	3,230.05	3,734.10	5,067.84
October	2,287.87	2,295.06		769.50	800.87	
November	2,629.71	2,703.26		940.87	1,118.47	
December	3,362.92	3,590.90		592.29	483.08	
January	3,009.69	3,118.90		293.84	298.39	
February	2,046.15	2,712.82		345.49	400.85	
March	2,019.06	2,459.58		731.00	753.65	
October - March (Rabi)	15,355.40	16,880.52		3,672.99	3,855.31	
Total (April-March)	30,454.20	30,883.34		6,903.04	7,589.41	
Month	NP/NPKs			MOP (for direct use)*		
	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16
April	104.50	185.08	234.54	40.54	48.81	69.81
May	199.28	415.16	429.72	66.69	117.68	146.54
June	613.81	636.36	956.70	318.80	266.33	238.80
July	635.60	777.12	809.38	238.87	307.08	229.44
August	727.38	775.07	870.89	208.77	284.34	242.81
September	814.26	921.28	985.45	225.81	390.41	332.18
April-September (Kharif)	3,094.81	3,710.07	4,286.68	1,099.47	1,414.65	1,259.58
October	654.13	777.26		140.15	241.28	
November	782.49	790.58		172.28	246.32	
December	740.77	722.58		180.30	202.03	
January	630.77	603.72		154.58	186.30	
February	484.00	682.15		201.54	210.97	
March	751.10	927.62		243.93	282.54	
October - March (Rabi)	4,043.26	4,503.91		1,092.78	1,369.44	
Total (April-March)	7,138.07	8,213.98		2,192.25	2,784.09	
* = excludes supplies to NPK complex fertiliser plants.						

5.00 FERTILISER SALE POINTS

5.01 NUMBER OF FERTILISER SALE POINTS - ALL INDIA 1966-67 to 2014-15							
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	66,576	
31-3-1970	33,418		47	38,234	2	53	71,652
31-3-1971	30,670		38	50,790		62	81,460
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	101,839
31-3-1979	46,224		40	69,293		60	115,517
31-3-1980	51,560		44	64,862		56	116,422
31-3-1981	41,837		38	68,127		62	109,964
31-3-1982	43,127		37	71,943		63	115,070
31-3-1983	50,243		38	80,590		62	130,833
31-3-1984	55,279		38	90,538		62	145,817
31-3-1985	59,658		38	96,080		62	155,738
31-3-1986	58,370		36	102,159		64	160,529
31-3-1987	56,755		35	105,750		65	162,505
31-3-1988	60,991		35	113,959		65	174,950
31-3-1989	72,142		35	135,047		65	207,189
31-3-1990	80,040		35	151,130		65	231,170
31-3-1991	71,980		31	160,525		69	232,505
31-3-1992	73,107		30	172,826		70	245,933
31-3-1993	76,653		31	171,629		69	248,282
31-3-1994	77,682		31	175,302		69	252,984
31-3-1995	79,460		31	179,560		69	259,020
31-3-1996	75,093		29	184,158		71	259,251
31-3-1997	70,648		27	191,259		73	261,907
31-3-1998	70,176		26	201,738		74	271,914
31-3-1999	72,579		26	207,818		74	280,397
31-3-2000	73,933		26	205,360		74	279,293
31-3-2001	73,136		26	211,828		74	284,964
31-3-2002	69,511		24	217,883		76	287,394
31-3-2003	69,098		24	214,003		76	283,101
31-3-2004	63,995		23	218,473		77	282,468
31-3-2005	66,847		23	221,909		77	288,756
31-3-2006	62,401		21	230,291		79	292,692
31-3-2007	56,707		21	214,508		79	271,215
31-3-2008	56,386		22	202,332		78	258,718
31-3-2009	59,288		22	208,832		78	268,120
31-3-2010	60,647		22	215,666		78	276,313
31-3-2011	62,950		23	212,512		77	275,462
31-3-2012	62,637		23	206,538		77	269,175
31-3-2013	67,647		22	234,484		78	302,131
31-3-2014	71,373		23	232,962		77	304,335
31-3-2015 (P)	72,742		24	232,467		76	305,209

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 31.3.2013, 31.3.2014 and 31.3.2015)

Zone/State	As on 31.3.2013					As on 31.3.2014					As on 31.3.2015 (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.
East	11,842	15.4	64,985	84.6	76,827	11,590	15.1	64,991	84.9	76,581	11,798	15.5	64,493	84.5	76,291
Assam	480	6.9	6,475	93.1	6,955	365	5.3	6,475	94.7	6,840	365	5.3	6,475	94.7	6,840
Bihar	7,710	37.5	12,830	62.4	20,540	8,001	34.2	15,422	65.7	23,423	8,001	34.2	15,422	65.8	23,423
Jharkhand	695	21.4	2,555	78.6	3,250	593	20.1	2,350	79.9	2,943	743	24.0	2,350	76.0	3,093
Manipur	13	3.0	420	97.0	433	-	-	385	100.0	385	13	3.4	375	96.6	388
Meghalaya	2	0.7	280	99.3	282	-	-	280	100.0	280	-	-	93	100.0	93
Nagaland	-	-	6	100.0	6	-	-	6	100.0	6	32	84.2	6	15.8	38
Odisha	116	0.9	12,500	99.1	12,616	100	0.8	12,367	99.2	12,467	111	0.9	11,747	99.1	11,858
Tripura	438	48.2	471	51.8	909	431	33.4	859	66.6	1,290	431	33.4	859	66.6	1,290
West Bengal	2,101	6.7	29,432	93.3	31,533	2,100	7.3	26,842	92.7	28,942	2,101	7.2	27,130	92.8	29,231
Arunachal Pradesh	285	100.0	-	-	285	-	-	-	-	-	-	-	8	100.0	8
Mizoram	2	11.1	16	88.9	18	-	-	5	100.0	5	1	3.4	28	96.6	29
North	18,388	22.3	63,895	77.7	82,283	21,861	26.4	60,997	73.6	82,858	21,662	27.6	56,682	72.4	78,344
Haryana	2,396	25.9	6,864	74.1	9,260	2,479	25.0	7,453	75.0	9,932	2,224	23.0	7,453	77.0	9,677
Himachal Pradesh	1,789	68.0	842	32.0	2,631	1,826	68.4	842	31.6	2,668	1,835	68.7	836	31.3	2,671
Jammu & Kashmir	-	-	3,497	100.0	3,497	3,371	100.0	-	-	3,371	3,580	100.0	-	-	3,580
Punjab	3,662	33.2	7,362	66.8	11,024	3,644	33.1	7,365	66.9	11,009	3,662	33.0	7,421	67.0	11,083
Uttar Pradesh	9,625	17.8	44,345	82.2	53,970	9,625	17.8	44,345	82.2	53,970	9,630	19.4	40,050	80.6	49,680
Uttarakhand	905	51.3	860	48.7	1,765	905	51.3	860	48.7	1,765	720	48.3	772	51.7	1,492
Chandigarh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Delhi	11	8.1	125	91.9	136	11	7.7	132	92.3	143	11	6.8	150	93.2	161

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(Continued)

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

(As on 31.3.2013, 31.3.2014 and 31.3.2015)

Zone/State	As on 31.3.2013					As on 31.3.2014					As on 31.3.2015 (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.
South	12,570	27.4	33,303	72.6	45,873	13,042	28.7	32,361	71.3	45,403	14,061	29.8	33,172	70.2	47,233
Andhra Pradesh	2,859	16.0	15,000	84.0	17,859	2,750 *	16.7	13,703 *	83.3	16,453 *	1,953	22.1	6,887	77.9	8,840
Telangana											1,395	19.3	5,851	80.7	7,246
Karnataka	4,083	30.9	9,129	69.1	13,212	4,083	30.9	9,129	69.1	13,212	4,482	33.3	8,996	66.7	13,478
Kerala	1,100	38.9	1,727	61.1	2,827	1,639	44.8	2,022	55.2	3,661	1,629	44.6	2,022	55.4	3,651
Tamil Nadu	4,431	37.6	7,367	62.4	11,798	4,473	37.6	7,427	62.4	11,900	4,516	32.6	9,341	67.4	13,857
Puducherry	48	37.5	80	62.5	128	48	37.5	80	62.5	128	33	30.6	75	69.4	108
A & N Islands	49	100.0	-	-	49	49	100.0	-	-	49	53	100.0	-	-	53
Lakshadweep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West	24,847	25.6	72,301	74.4	97,148	24,880	25.0	74,613	75.0	99,493	25,221	24.4	78,120	75.6	103,341
Gujarat	9,226	46.8	10,478	53.2	19,704	9,245	46.8	10,490	53.2	19,735	9,226	46.8	10,494	53.2	19,720
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	27.9	3,817	72.1	5,293	1,476	26.8	4,031	73.2	5,507
Maharashtra	4,239	10.2	37,491	89.8	41,730	4,242	9.6	39,804	90.4	44,046	4,590	9.6	43,073	90.4	47,663
Rajasthan	4,560	28.7	11,350	71.3	15,910	4,560	28.7	11,350	71.3	15,910	4,570	28.7	11,370	71.3	15,940
Goa	37	36.3	65	63.7	102	48	48.0	52	52.0	100	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
All India	67,647	22.4	234,484	77.6	302,131	71,373	23.5	232,962	76.5	304,335	72,742	23.8	232,467	76.2	305,209

(P) = Provisional.

* = Includes Telangana.

Note: Number of sale points for 2013-14 have been repeated in 2014-15 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.

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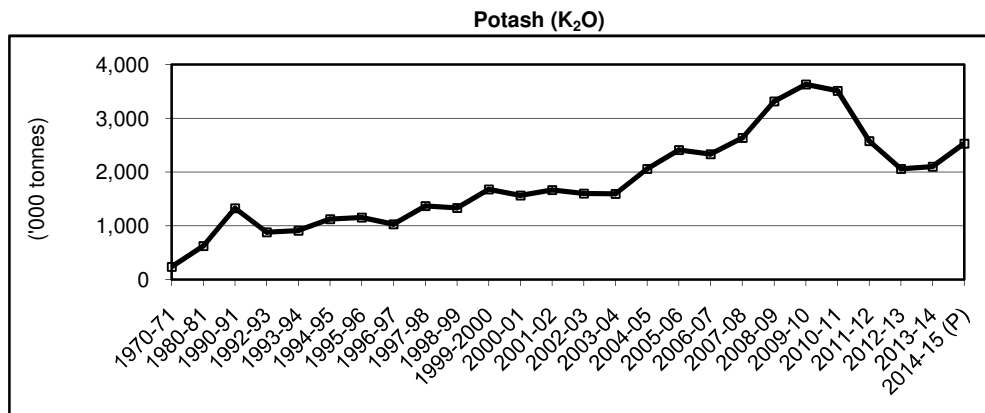
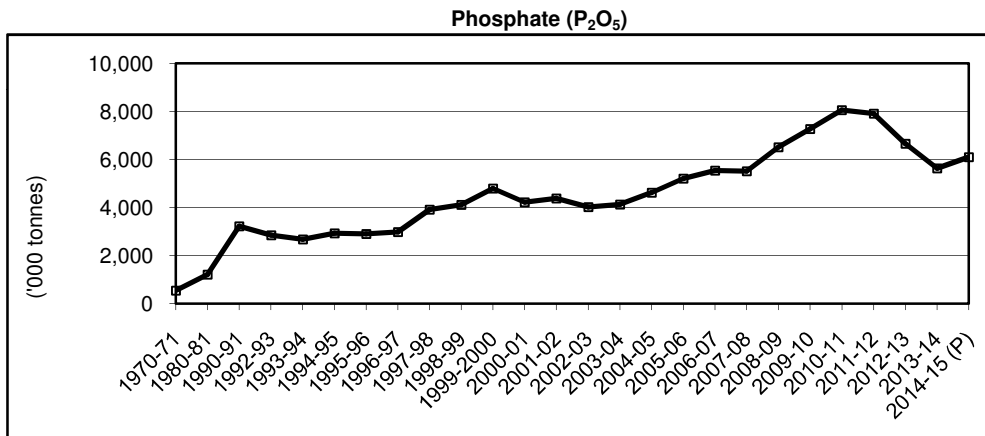
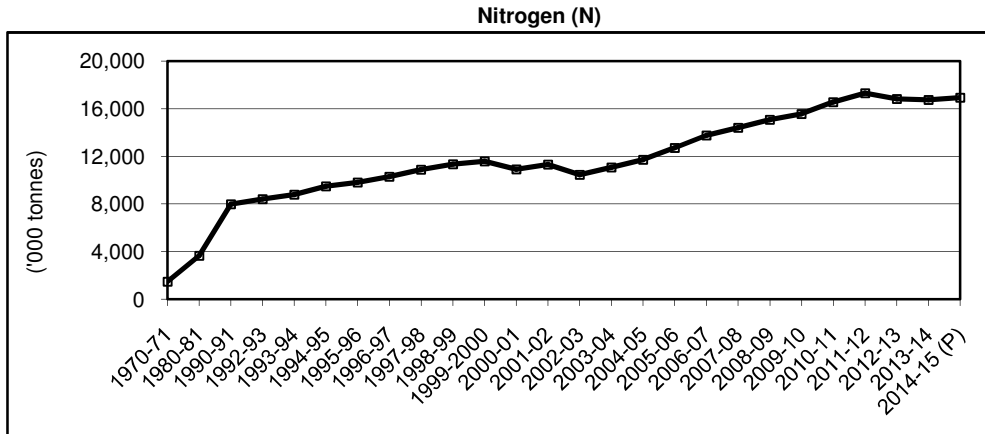
6.00 CONSUMPTION OF FERTILISERS

6.01 (a) ALL INDIA CONSUMPTION OF N, P ₂ O ₅ & K ₂ O (1950-51 to 2014-15)					('000 tonnes)
Year		N	P ₂ O ₅	K ₂ O	Total (N+P ₂ O ₅ +K ₂ O)
1950-51		55.0	8.8	6.0	69.8
1951-52		58.7	6.9		65.6
1952-53	I Plan	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		123.1	15.9	14.8	153.7
1957-58	II Plan	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		249.8	60.5	28.0	338.3
1962-63	III Plan	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		1,356.0	416.0	210.0	1,982.0
1970-71	IV Plan	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		1,765.7	471.5	336.1	2,573.3
1975-76	V Plan	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		3,678.1	1,213.6	623.9	5,515.6
1981-82 (Feb./January)	VI Plan	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		5,660.8	2,005.2	808.1	8,474.1
1986-87	VII Plan	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		8,426.8	2,843.8	883.9	12,154.5
1993-94	VIII Plan	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		10,901.8	3,913.6	1,372.5	16,187.8
1998-99	IX Plan	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		10,474.1	4,018.8	1,601.2	16,094.1
2003-04	X Plan	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		14,419.1	5,514.7	2,636.3	22,570.1
2008-09	XI Plan	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		16,820.9	6,653.4	2,061.8	25,536.2
2013-14	XII Plan (3rd year)	16,750.1	5,633.5	2,098.9	24,482.4
2014-15 (P)		16,945.4	6,098.4	2,532.3	25,576.1

(P) = Provisional.

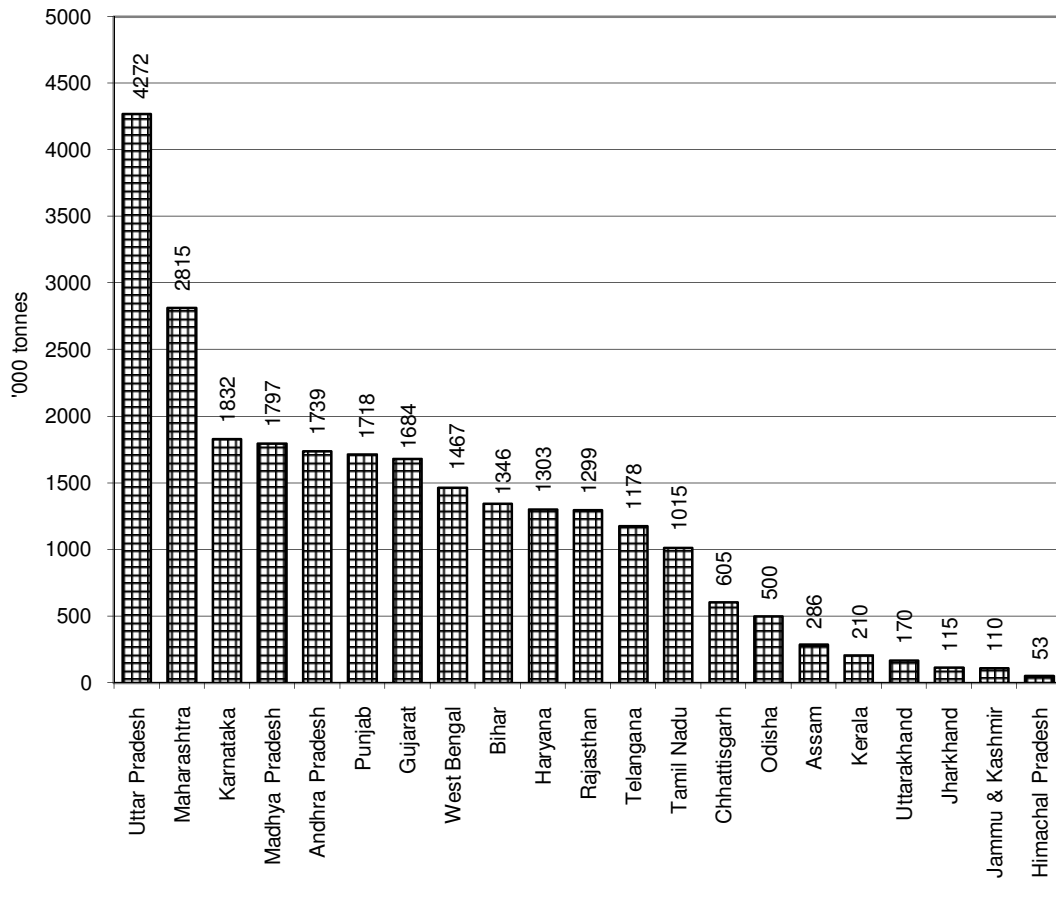
Note : Total may not exactly tally due to rounding off.

**Fig. 5: TRENDS IN CONSUMPTION OF FERTILISER NUTRIENTS
(1970-71, 1980-81, 1990-91 to 2014-15)**



(P) = Provisional.

Fig. 6: STATEWISE CONSUMPTION OF FERTILISER NUTRIENTS (N + P₂O₅ + K₂O) - 2014-15



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

6.01 (b) SEASON-WISE CONSUMPTION OF N, P ₂ O ₅ & K ₂ O AND TOTAL BY STATES AND PERCENTAGE VARIATION (2013-14 and 2014-15)								
Sl. No.	Zone / State	Nutrient	Consumption ('000 tonnes)					
			2013-14			2014-15 (P)		
			Kharif	Rabi	Total	Kharif	Rabi	Total
I.	EAST	N	1,093.18	1,127.91	2,221.09	1,115.07	1,224.41	2,339.48
		P₂O₅	259.76	400.98	660.74	373.77	457.73	831.50
		K₂O	228.12	285.43	513.55	268.31	311.26	579.57
		Total	1,581.06	1,814.32	3,395.38	1,757.15	1,993.40	3,750.55
	1 Arunachal Pradesh	N	-	-	-	-	-	-
		P ₂ O ₅	-	-	-	-	-	-
		K ₂ O	-	-	-	-	-	-
		Total	-	-	-	-	-	-
	2 Assam	N	68.41	82.85	151.26	72.47	83.45	155.92
		P ₂ O ₅	18.46	23.24	41.70	22.98	27.20	50.18
		K ₂ O	33.32	46.76	80.08	39.88	40.46	80.34
		Total	120.19	152.85	273.04	135.33	151.11	286.44
	3 Bihar	N	421.71	533.24	954.95	433.12	566.79	999.91
		P ₂ O ₅	57.15	152.70	209.85	82.36	152.76	235.12
		K ₂ O	34.01	61.97	95.98	39.37	71.79	111.16
		Total	512.87	747.91	1,260.78	554.85	791.34	1,346.19
	4 Jharkhand	N	55.03	27.45	82.48	55.69	36.11	91.80
		P ₂ O ₅	8.03	9.28	17.31	13.50	6.08	19.58
		K ₂ O	1.46	2.23	3.69	2.01	1.23	3.24
		Total	64.52	38.96	103.48	71.20	43.42	114.62
	5 Manipur	N	6.28	1.99	8.27	9.47	1.55	11.02
		P ₂ O ₅	0.80	0.57	1.37	1.58	0.57	2.15
		K ₂ O	0.38	0.78	1.16	1.41	0.53	1.94
		Total	7.46	3.34	10.80	12.46	2.65	15.11
	6 Meghalaya	N	2.00	1.51	3.51	-	-	-
		P ₂ O ₅	0.68	0.36	1.04	-	-	-
		K ₂ O	0.21	0.06	0.27	-	-	-
		Total	2.89	1.93	4.82	-	-	-
	7 Mizoram	N	2.65	0.29	2.94	-	-	-
		P ₂ O ₅	0.08	0.15	0.23	-	-	-
		K ₂ O	0.14	0.15	0.29	-	-	-
		Total	2.87	0.59	3.46	-	-	-
	8 Nagaland	N	0.65	0.42	1.07	0.69	0.64	1.33
		P ₂ O ₅	0.36	0.34	0.70	0.40	0.39	0.79
		K ₂ O	0.17	0.17	0.34	0.25	0.23	0.48
		Total	1.18	0.93	2.11	1.34	1.26	2.60
	9 Odisha	N	252.39	60.60	312.99	216.79	97.28	314.07
		P ₂ O ₅	80.83	36.88	117.71	83.97	42.26	126.23
		K ₂ O	42.24	14.20	56.44	41.03	18.21	59.24
		Total	375.46	111.68	487.14	341.79	157.75	499.54

(Continued)

6.01 (b) SEASON-WISE CONSUMPTION OF N, P ₂ O ₅ & K ₂ O AND TOTAL BY STATES AND PERCENTAGE VARIATION (2013-14 and 2014-15) (Continued)								
Sl. No.	Zone / State	Nutrient	± % variation over previous season/year					
			2013-14			2014-15 (P)		
			Kharif	Rabi	Total	Kharif	Rabi	Total
I.	EAST	N	-5.57	-18.55	-12.64	2.00	8.56	5.33
		P₂O₅	-37.72	-35.54	-36.41	43.89	14.15	25.84
		K₂O	13.96	-9.28	-0.24	17.62	9.05	12.86
		Total	-10.92	-21.85	-17.11	11.14	9.87	10.46
	1 Arunachal Pradesh	N	-	-	-	-	-	-
		P ₂ O ₅	-	-	-	-	-	-
		K ₂ O	-	-	-	-	-	-
		Total	-	-	-	-	-	-
	2 Assam	N	4.94	-3.51	0.14	5.93	0.72	3.08
		P ₂ O ₅	1.88	-24.94	-15.04	24.49	17.04	20.34
		K ₂ O	-3.00	13.58	6.04	19.69	-13.47	0.32
		Total	2.15	-3.25	-0.95	12.60	-1.14	4.91
	3 Bihar	N	-10.45	-16.72	-14.06	2.71	6.29	4.71
		P ₂ O ₅	-55.59	-22.46	-35.55	44.11	0.04	12.04
		K ₂ O	5.59	7.18	6.61	15.76	15.85	15.82
		Total	-18.82	-16.43	-17.42	8.19	5.81	6.77
	4 Jharkhand	N	-11.10	-45.02	-26.25	1.20	31.55	11.30
		P ₂ O ₅	-45.49	-84.87	-77.25	68.12	-34.48	13.11
		K ₂ O	-40.89	-69.20	-62.00	37.67	-44.84	-12.20
		Total	-18.43	-67.13	-47.64	10.35	11.45	10.77
	5 Manipur	N	-21.99	93.20	-8.92	50.80	-22.11	33.25
		P ₂ O ₅	-9.09	42.50	7.03	97.50	-	56.93
		K ₂ O	2.70	609.09	141.67	271.05	-32.05	67.24
		Total	-19.78	116.88	-0.37	67.02	-20.66	39.91
	6 Meghalaya	N	2.56	7.09	4.46	-	-	-
		P ₂ O ₅	-6.85	-14.29	-9.57	-	-	-
		K ₂ O	5.00	-57.14	-20.59	-	-	-
		Total	0.35	-2.03	-0.62	-	-	-
	7 Mizoram	N	99.25	-6.45	79.27	-	-	-
		P ₂ O ₅	166.67	150.00	155.56	-	-	-
		K ₂ O	600.00	1400.00	866.67	-	-	-
		Total	107.97	55.26	96.59	-	-	-
	8 Nagaland	N	-1.52	-4.55	-2.73	6.15	52.38	24.30
		P ₂ O ₅	-2.70	6.25	1.45	11.11	14.71	12.86
		K ₂ O	-15.00	-5.56	-10.53	47.06	35.29	41.18
		Total	-4.07	-1.06	-2.76	13.56	35.48	23.22
	9 Odisha	N	14.60	-36.08	-0.65	-14.11	60.53	0.35
		P ₂ O ₅	0.87	-16.30	-5.22	3.88	14.59	7.24
		K ₂ O	24.71	-16.96	10.73	-2.86	28.24	4.96
		Total	12.33	-28.39	-0.62	-8.97	41.25	2.55

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

(Continued)

6.01 (b) SEASON-WISE CONSUMPTION OF N, P ₂ O ₅ & K ₂ O AND TOTAL BY STATES AND PERCENTAGE VARIATION (2013-14 and 2014-15) (Continued)								
Sl. No.	Zone / State	Nutrient	Consumption ('000 tonnes)					
			2013-14			2014-15 (P)		
			Kharif	Rabi	Total	Kharif	Rabi	Total
10	Sikkim	N	-	-	-	-	-	-
		P ₂ O ₅	-	-	-	-	-	-
		K ₂ O	-	-	-	-	-	-
		Total	-	-	-	-	-	-
11	Tripura	N	4.94	5.72	10.66	4.07	4.51	8.58
		P ₂ O ₅	4.23	3.66	7.89	3.27	3.36	6.63
		K ₂ O	2.13	2.22	4.35	1.86	2.07	3.93
		Total	11.30	11.60	22.90	9.20	9.94	19.14
12	West Bengal	N	279.12	413.84	692.96	322.77	434.08	756.85
		P ₂ O ₅	89.14	173.80	262.94	165.71	225.11	390.82
		K ₂ O	114.06	156.89	270.95	142.50	176.74	319.24
		Total	482.32	744.53	1,226.85	630.98	835.93	1,466.91
II.	NORTH	N	2,501.55	3,024.32	5,525.87	2,532.22	3,248.06	5,780.28
		P₂O₅	448.71	895.06	1,343.77	617.52	943.77	1,561.29
		K₂O	67.68	102.65	170.33	116.20	176.84	293.04
		Total	3,017.94	4,022.03	7,039.97	3,265.94	4,368.67	7,634.61
1	Haryana	N	402.48	548.08	950.56	420.86	592.43	1,013.29
		P ₂ O ₅	81.31	117.15	198.46	110.75	142.91	253.66
		K ₂ O	7.53	8.12	15.65	21.80	14.40	36.20
		Total	491.32	673.35	1,164.67	553.41	749.74	1,303.15
2	Himachal Pradesh	N	17.13	16.18	33.31	16.87	18.17	35.04
		P ₂ O ₅	2.01	6.25	8.26	1.48	7.03	8.51
		K ₂ O	1.35	7.24	8.59	1.04	8.47	9.51
		Total	20.49	29.67	50.16	19.39	33.67	53.06
3	Jammu & Kashmir	N	29.74	37.40	67.14	33.65	31.37	65.02
		P ₂ O ₅	11.14	14.25	25.39	12.55	17.37	29.92
		K ₂ O	1.65	9.23	10.88	3.27	11.86	15.13
		Total	42.53	60.88	103.41	49.47	60.60	110.07
4	Punjab	N	637.36	726.66	1,364.02	635.93	716.12	1,352.05
		P ₂ O ₅	100.28	224.95	325.23	127.31	200.86	328.17
		K ₂ O	16.61	7.41	24.02	23.36	14.17	37.53
		Total	754.25	959.02	1,713.27	786.60	931.15	1,717.75
5	Uttar Pradesh	N	1,341.14	1,631.48	2,972.62	1,347.83	1,821.12	3,168.95
		P ₂ O ₅	245.01	519.64	764.65	356.32	559.03	915.35
		K ₂ O	37.92	66.85	104.77	64.11	123.23	187.34
		Total	1,624.07	2,217.97	3,842.04	1,768.26	2,503.38	4,271.64
6	Uttarakhand	N	72.59	61.99	134.58	71.21	66.15	137.36
		P ₂ O ₅	8.96	12.82	21.78	9.11	16.57	25.68
		K ₂ O	2.62	3.80	6.42	2.62	4.71	7.33
		Total	84.17	78.61	162.78	82.94	87.43	170.37

(Continued)

6.01 (b) SEASON-WISE CONSUMPTION OF N, P ₂ O ₅ & K ₂ O AND TOTAL BY STATES AND PERCENTAGE VARIATION (2013-14 and 2014-15) (Continued)								
Sl. No.	Zone / State	Nutrient	± % variation over previous season/year					
			2013-14			2014-15 (P)		
			Kharif	Rabi	Total	Kharif	Rabi	Total
10	Sikkim	N	-	-	-	-	-	-
		P ₂ O ₅	-	-	-	-	-	-
		K ₂ O	-	-	-	-	-	-
		Total	-	-	-	-	-	-
11	Tripura	N	-26.81	-17.46	-22.08	-17.61	-21.15	-19.51
		P ₂ O ₅	58.43	-19.74	9.13	-22.70	-8.20	-15.97
		K ₂ O	-4.48	-3.48	-3.97	-12.68	-6.76	-9.66
		Total	-3.00	-15.88	-9.98	-18.58	-14.31	-16.42
12	West Bengal	N	-12.88	-17.83	-15.90	15.64	4.89	9.22
		P ₂ O ₅	-47.78	-38.58	-42.04	85.90	29.52	48.63
		K ₂ O	21.06	-16.77	-4.17	24.93	12.65	17.82
		Total	-17.60	-23.64	-21.38	30.82	12.28	19.57
II.	NORTH	N	-6.16	-11.74	-9.30	1.23	7.40	4.60
		P₂O₅	-47.26	-21.72	-32.62	37.62	5.44	16.19
		K₂O	-44.71	36.18	-13.88	71.69	72.27	72.04
		Total	-17.07	-13.42	-15.02	8.22	8.62	8.45
1	Haryana	N	-4.66	-8.78	-7.08	4.57	8.09	6.60
		P ₂ O ₅	-46.15	-26.59	-36.10	36.21	21.99	27.81
		K ₂ O	-45.08	176.19	-6.01	189.51	77.34	131.31
		Total	-16.28	-11.79	-13.74	12.64	11.34	11.89
2	Himachal Pradesh	N	8.28	-9.61	-1.22	-1.52	12.30	5.19
		P ₂ O ₅	-12.61	38.27	21.11	-26.37	12.48	3.03
		K ₂ O	-21.97	34.07	20.48	-22.96	16.99	10.71
		Total	3.22	6.65	5.22	-5.37	13.48	5.78
3	Jammu & Kashmir	N	4.64	-21.11	-11.46	13.15	-16.12	-3.16
		P ₂ O ₅	47.35	-13.85	5.35	12.66	21.89	17.84
		K ₂ O	-14.06	17.88	11.59	98.18	28.49	39.06
		Total	12.22	-15.19	-5.72	16.32	-0.46	6.44
4	Punjab	N	-7.90	-8.44	-8.19	-0.22	-1.45	-0.88
		P ₂ O ₅	-48.47	-16.02	-29.68	26.95	-10.71	0.90
		K ₂ O	-5.19	13.30	-0.17	40.64	91.23	56.24
		Total	-16.58	-10.21	-13.13	4.29	-2.91	0.26
5	Uttar Pradesh	N	-6.90	-14.64	-11.31	0.50	11.62	6.60
		P ₂ O ₅	-49.51	-23.71	-34.45	45.43	7.58	19.71
		K ₂ O	-54.59	35.74	-21.08	69.07	84.34	78.81
		Total	-19.17	-16.04	-17.39	8.88	12.87	11.18
6	Uttarakhand	N	9.60	12.59	10.96	-1.90	6.71	2.07
		P ₂ O ₅	-10.49	-6.90	-8.41	1.67	29.25	17.91
		K ₂ O	-34.83	11.11	-13.71	0.00	23.95	14.17
		Total	4.87	8.80	6.73	-1.46	11.22	4.66

(Continued)

6.01 (b) SEASON-WISE CONSUMPTION OF N, P ₂ O ₅ & K ₂ O AND TOTAL BY STATES AND PERCENTAGE VARIATION (2013-14 and 2014-15) (Continued)								
Sl. No.	Zone / State	Nutrient	Consumption ('000 tonnes)					
			2013-14			2014-15 (P)		
			Kharif	Rabi	Total	Kharif	Rabi	Total
7	Chandigarh	N	-	-	-	-	-	-
		P ₂ O ₅	-	-	-	-	-	-
		K ₂ O	-	-	-	-	-	-
		Total	-	-	-	-	-	-
8	Delhi	N	1.11	2.53	3.64	5.87	2.70	8.57
		P ₂ O ₅	-	-	-	-	-	-
		K ₂ O	-	-	-	-	-	-
		Total	1.11	2.53	3.64	5.87	2.70	8.57
III.	SOUTH	N	1,938.26	1,817.35	3,755.61	1,733.64	1,885.79	3,619.43
		P₂O₅	726.25	733.26	1,459.51	730.20	748.21	1,478.41
		K₂O	379.80	409.90	789.70	439.53	448.01	887.54
		Total	3,044.31	2,960.51	6,004.82	2,903.37	3,082.01	5,985.38
1	Andhra Pradesh	N	502.37	632.75	1,135.12	429.61	646.96	1,076.57
		P ₂ O ₅	196.71	264.50	461.21	168.57	275.02	443.59
		K ₂ O	69.42	114.51	183.93	96.40	122.27	218.67
		Total	768.50	1,011.76	1,780.26	694.58	1,044.25	1,738.83
2	Telangana*	N	534.68	442.85	977.53	450.70	376.25	826.95
		P ₂ O ₅	137.53	148.68	286.21	146.75	121.46	268.21
		K ₂ O	39.80	35.63	75.43	44.59	37.82	82.41
		Total	712.01	627.16	1,339.17	642.04	535.53	1,177.57
3	Karnataka	N	574.39	370.72	945.11	563.50	438.09	1,001.59
		P ₂ O ₅	260.94	181.26	442.20	299.43	198.64	498.07
		K ₂ O	142.70	110.70	253.40	181.51	150.80	332.31
		Total	978.03	662.68	1,640.71	1,044.44	787.53	1,831.97
4	Kerala	N	65.75	70.16	135.91	62.34	42.20	104.54
		P ₂ O ₅	32.72	37.62	70.34	24.73	18.41	43.14
		K ₂ O	54.66	61.26	115.92	35.40	26.42	61.82
		Total	153.13	169.04	322.17	122.47	87.03	209.50
5	Tamil Nadu	N	254.73	294.62	549.35	223.05	378.27	601.32
		P ₂ O ₅	97.35	99.76	197.11	89.90	133.38	223.28
		K ₂ O	72.42	86.78	159.20	80.78	109.42	190.20
		Total	424.50	481.16	905.66	393.73	621.07	1,014.80
6	Puducherry	N	6.10	6.03	12.13	4.18	3.79	7.97
		P ₂ O ₅	0.82	1.27	2.09	0.61	1.12	1.73
		K ₂ O	0.67	0.86	1.53	0.72	1.15	1.87
		Total	7.59	8.16	15.75	5.51	6.06	11.57
7	A & N Islands	N	0.24	0.22	0.46	0.26	0.23	0.49
		P ₂ O ₅	0.18	0.17	0.35	0.21	0.18	0.39
		K ₂ O	0.13	0.16	0.29	0.13	0.13	0.26
		Total	0.55	0.55	1.10	0.60	0.54	1.14
8	Lakshadweep	N	-	-	-	-	-	-
		P ₂ O ₅	-	-	-	-	-	-
		K ₂ O	-	-	-	-	-	-
		Total	-	-	-	-	-	-

(Continued)

6.01 (b) SEASON-WISE CONSUMPTION OF N, P ₂ O ₅ & K ₂ O AND TOTAL BY STATES AND PERCENTAGE VARIATION (2013-14 and 2014-15) (Continued)								
Sl. No.	Zone / State	Nutrient	± % variation over previous season/year					
			2013-14			2014-15 (P)		
			Kharif	Rabi	Total	Kharif	Rabi	Total
7	Chandigarh	N	-	-	-	-	-	-
		P ₂ O ₅	-	-	-	-	-	-
		K ₂ O	-	-	-	-	-	-
		Total	-	-	-	-	-	-
8	Delhi	N	73.44	416.33	222.12	428.83	6.72	135.44
		P ₂ O ₅	--	-100.00	-100.00	--	--	--
		K ₂ O	--	--	--	--	--	--
		Total	73.44	351.79	203.33	428.83	6.72	135.44
III.	SOUTH	N	19.57	3.20	11.04	-10.56	3.77	-3.63
		P₂O₅	4.34	5.25	4.80	0.54	2.04	1.29
		K₂O	10.18	2.59	6.11	15.73	9.30	12.39
		Total	14.37	3.61	8.80	-4.63	4.10	-0.32
1	Andhra Pradesh	N	13.69	23.81	18.63	-14.48	2.25	-5.16
		P ₂ O ₅	-10.96	22.05	4.69	-14.31	3.98	-3.82
		K ₂ O	-11.29	16.26	2.81	38.86	6.78	18.89
		Total	4.95	22.63	13.55	-9.62	3.21	-2.33
2	Telangana*					-15.71	-15.04	-15.40
						6.70	-18.31	-6.29
						12.04	6.15	9.25
						-9.83	-14.61	-12.07
3	Karnataka	N	40.10	-23.04	5.99	-1.90	18.17	5.98
		P ₂ O ₅	44.05	-13.06	13.49	14.75	9.59	12.63
		K ₂ O	8.85	-6.79	1.41	27.20	36.22	31.14
		Total	35.42	-18.08	7.15	6.79	18.84	11.66
4	Kerala	N	24.10	-	10.37	-5.19	-39.85	-23.08
		P ₂ O ₅	29.02	-	11.69	-24.42	-51.06	-38.67
		K ₂ O	83.42	0.02	27.31	-35.24	-56.87	-46.67
		Total	41.60	0.01	16.24	-20.02	-48.52	-34.97
5	Tamil Nadu	N	5.80	-11.75	-4.40	-12.44	28.39	9.46
		P ₂ O ₅	-13.67	-9.51	-11.62	-7.65	33.70	13.28
		K ₂ O	21.25	-2.98	6.72	11.54	26.09	19.47
		Total	2.72	-9.82	-4.35	-7.25	29.08	12.05
6	Puducherry	N	22.49	-5.04	7.06	-31.48	-37.15	-34.30
		P ₂ O ₅	-32.79	-21.12	-26.15	-25.61	-11.81	-17.22
		K ₂ O	-20.24	8.86	-6.13	7.46	33.72	22.22
		Total	7.81	-6.74	-0.25	-27.40	-25.74	-26.54
7	A & N Islands	N	14.29	-	6.98	8.33	4.55	6.52
		P ₂ O ₅	20.00	-	9.38	16.67	5.88	11.43
		K ₂ O	18.18	14.29	16.00	-	-18.75	-10.34
		Total	17.02	3.77	10.00	9.09	-1.82	3.64
8	Lakshadweep	N	-	-	-	-	-	-
		P ₂ O ₅	-	-	-	-	-	-
		K ₂ O	-	-	-	-	-	-
		Total	-	-	-	-	-	-

(Continued)

6.01 (b) SEASON-WISE CONSUMPTION OF N, P ₂ O ₅ & K ₂ O AND TOTAL BY STATES AND PERCENTAGE VARIATION (2013-14 and 2014-15) (Continued)								
Sl. No.	Zone / State	Nutrient	Consumption ('000 tonnes)					
			2013-14			2014-15 (P)		
			Kharif	Rabi	Total	Kharif	Rabi	Total
IV. WEST		N	2,690.54	2,556.97	5,247.51	2,543.64	2,662.60	5,206.24
		P₂O₅	1,161.90	1,007.54	2,169.44	1,262.41	964.76	2,227.17
		K₂O	339.93	285.36	625.29	439.73	332.44	772.17
		Total	4,192.37	3,849.87	8,042.24	4,245.78	3,959.80	8,205.58
1 Gujarat		N	582.42	576.51	1,158.93	592.68	624.82	1,217.50
		P ₂ O ₅	152.36	163.02	315.38	216.16	135.83	351.99
		K ₂ O	42.64	47.96	90.60	61.96	52.55	114.51
		Total	777.42	787.49	1,564.91	870.80	813.20	1,684.00
2 Madhya Pradesh		N	531.91	678.44	1,210.35	438.12	680.98	1,119.10
		P ₂ O ₅	355.08	279.30	634.38	300.33	305.40	605.73
		K ₂ O	34.44	21.87	56.31	43.68	28.43	72.11
		Total	921.43	979.61	1,901.04	782.13	1,014.81	1,796.94
3 Chhattisgarh		N	285.03	72.24	357.27	283.53	89.61	373.14
		P ₂ O ₅	115.93	46.72	162.65	132.06	43.47	175.53
		K ₂ O	41.49	6.25	47.74	36.71	20.02	56.73
		Total	442.45	125.21	567.66	452.30	153.10	605.40
4 Maharashtra		N	916.75	670.08	1,586.83	880.50	660.49	1,540.99
		P ₂ O ₅	386.32	387.06	773.38	437.04	323.85	760.89
		K ₂ O	218.73	205.82	424.55	290.50	222.28	512.78
		Total	1,521.80	1,262.96	2,784.76	1,608.04	1,206.62	2,814.66
5 Rajasthan		N	372.02	558.50	930.52	346.69	605.66	952.35
		P ₂ O ₅	151.16	130.80	281.96	175.65	155.80	331.45
		K ₂ O	2.13	3.03	5.16	6.35	8.83	15.18
		Total	525.31	692.33	1,217.64	528.69	770.29	1,298.98
6 Goa		N	1.87	1.12	2.99	1.59	0.93	2.52
		P ₂ O ₅	0.71	0.61	1.32	0.80	0.34	1.14
		K ₂ O	0.49	0.42	0.91	0.53	0.33	0.86
		Total	3.07	2.15	5.22	2.92	1.60	4.52
7 Daman & Diu		N	0.05	0.03	0.08	-	-	-
		P ₂ O ₅	0.01	0.01	0.02	-	-	-
		K ₂ O	0.01	-	0.01	-	-	-
		Total	0.07	0.04	0.11	-	-	-
8 Dadra & Nagar Haveli		N	0.49	0.05	0.54	0.53	0.11	0.64
		P ₂ O ₅	0.33	0.02	0.35	0.37	0.07	0.44
		K ₂ O	-	0.01	0.01	-	-	-
		Total	0.82	0.08	0.90	0.90	0.18	1.08
All India		N	8,223.53	8,526.55	16,750.08	7,924.57	9,020.86	16,945.43
		P₂O₅	2,596.62	3,036.84	5,633.46	2,983.90	3,114.47	6,098.37
		K₂O	1,015.53	1,083.34	2,098.87	1,263.77	1,268.55	2,532.32
		Total	11,835.68	12,646.73	24,482.41	12,172.24	13,403.88	25,576.12

(P) = Provisional.

(Continued)

* = The state Telangana was a part of Andhra Pradesh till 1st June 2014. It was formed as a separate state since 2nd June 2014. The fertiliser consumption data for Telangana is separately available from 2013-14.

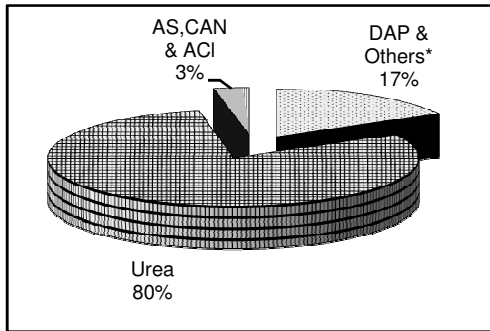
6.01 (b) SEASON-WISE CONSUMPTION OF N, P ₂ O ₅ & K ₂ O AND TOTAL BY STATES AND PERCENTAGE VARIATION (2013-14 and 2014-15) (Concluded)								
Sl. No.	Zone / State	Nutrient	± % variation over previous season/year					
			2013-14			2014-15 (P)		
			Kharif	Rabi	Total	Kharif	Rabi	Total
IV.	WEST	N	9.95	8.49	9.23	-5.46	4.13	-0.79
		P ₂ O ₅	-8.68	5.50	-2.60	8.65	-4.25	2.66
		K ₂ O	-6.13	17.50	3.36	29.36	16.50	23.49
		Total	2.72	8.30	5.32	1.27	2.86	2.03
1	Gujarat	N	6.02	25.78	15.01	1.76	8.38	5.05
		P ₂ O ₅	-7.56	75.29	22.33	41.87	-16.68	11.61
		K ₂ O	1.64	38.97	18.49	45.31	9.57	26.39
		Total	2.82	34.42	16.61	12.01	3.26	7.61
2	Madhya Pradesh	N	16.51	8.34	11.79	-17.63	0.37	-7.54
		P ₂ O ₅	-14.66	-6.75	-11.35	-15.42	9.34	-4.52
		K ₂ O	-30.09	0.74	-20.66	26.83	30.00	28.06
		Total	-0.05	3.40	1.70	-15.12	3.59	-5.48
3	Chhattisgarh	N	9.84	-37.56	-4.77	-0.53	24.04	4.44
		P ₂ O ₅	0.51	-27.75	-9.64	13.91	-6.96	7.92
		K ₂ O	9.33	-27.07	2.62	-11.52	220.32	18.83
		Total	7.19	-33.72	-5.66	2.23	22.27	6.65
4	Maharashtra	N	9.34	26.46	15.97	-3.95	-1.43	-2.89
		P ₂ O ₅	-7.65	30.11	8.04	13.13	-16.33	-1.61
		K ₂ O	-0.77	22.45	9.28	32.81	8.00	20.78
		Total	3.02	26.88	12.62	5.67	-4.46	1.07
5	Rajasthan	N	9.19	-10.76	-3.73	-6.81	8.44	2.35
		P ₂ O ₅	-3.32	-34.52	-20.82	16.20	19.11	17.55
		K ₂ O	-82.22	-68.27	-76.03	198.12	191.42	194.19
		Total	3.20	-17.10	-9.42	0.64	11.26	6.68
6	Goa	N	-1.58	28.74	7.94	-14.97	-16.96	-15.72
		P ₂ O ₅	-36.04	17.31	-19.02	12.68	-44.26	-13.64
		K ₂ O	-12.50	0.00	-7.14	8.16	-21.43	-5.49
		Total	-14.01	18.78	-2.97	-4.89	-25.58	-13.41
7	Daman & Diu	N	-28.57	-57.14	-42.86	-100.00	-100.00	-100.00
		P ₂ O ₅	-	-	-	-100.00	-100.00	-100.00
		K ₂ O	--	-100.00	-	-100.00	--	-100.00
		Total	-12.50	-55.56	-35.29	-100.00	-100.00	-100.00
8	Dadra & Nagar Haveli	N	0.00	-44.44	-6.90	8.16	120.00	18.52
		P ₂ O ₅	0.00	-60.00	-7.89	12.12	250.00	25.71
		K ₂ O	--	--	--	--	-100.00	-100.00
		Total	0.00	-42.86	-6.25	9.76	125.00	20.00
All India		N	4.21	-4.51	-0.42	-3.64	5.80	1.17
		P ₂ O ₅	-19.76	-11.13	-15.33	14.91	2.56	8.25
		K ₂ O	-1.35	4.93	1.80	24.44	17.10	20.65
		Total	-2.64	-5.47	-4.13	2.84	5.99	4.47

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.

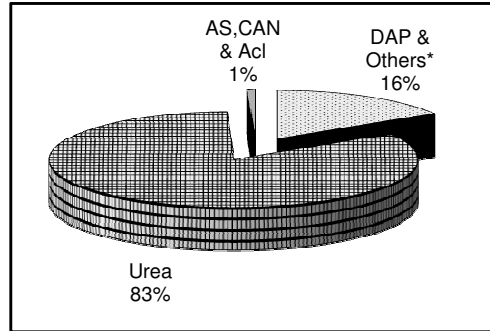
Fig. 7: SHARE OF MAJOR FERTILISERS TO NUTRIENT CONSUMPTION

N

1991-92

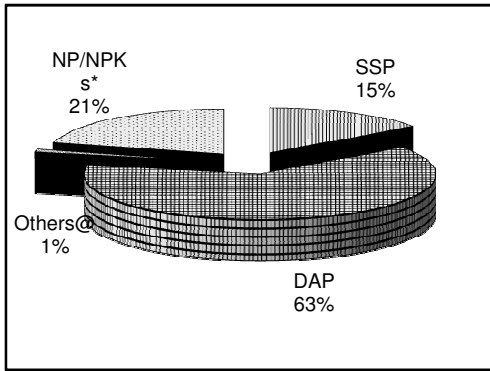


2014-15

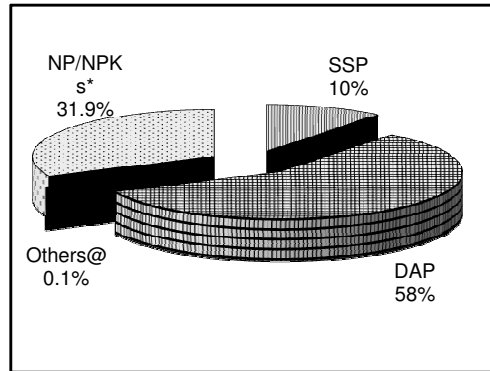


P₂O₅

1991-92



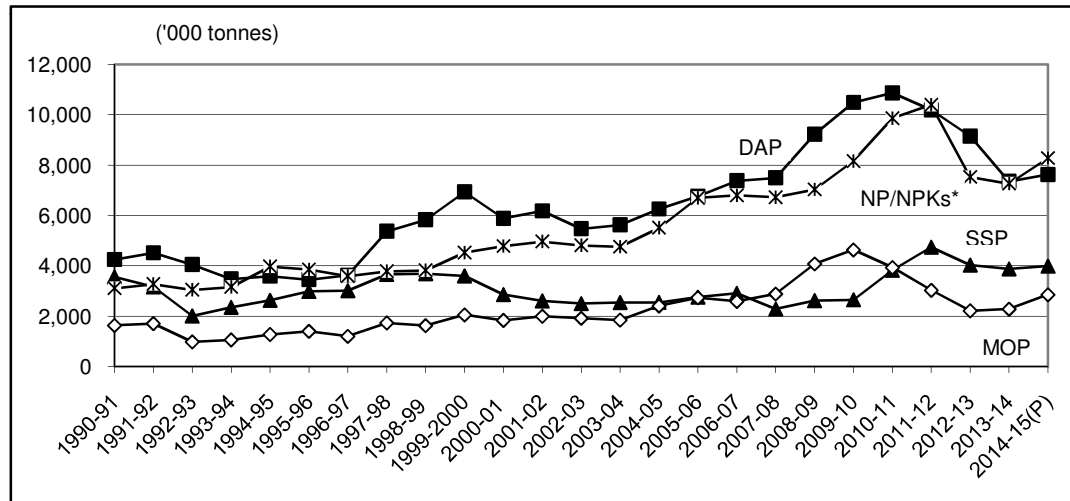
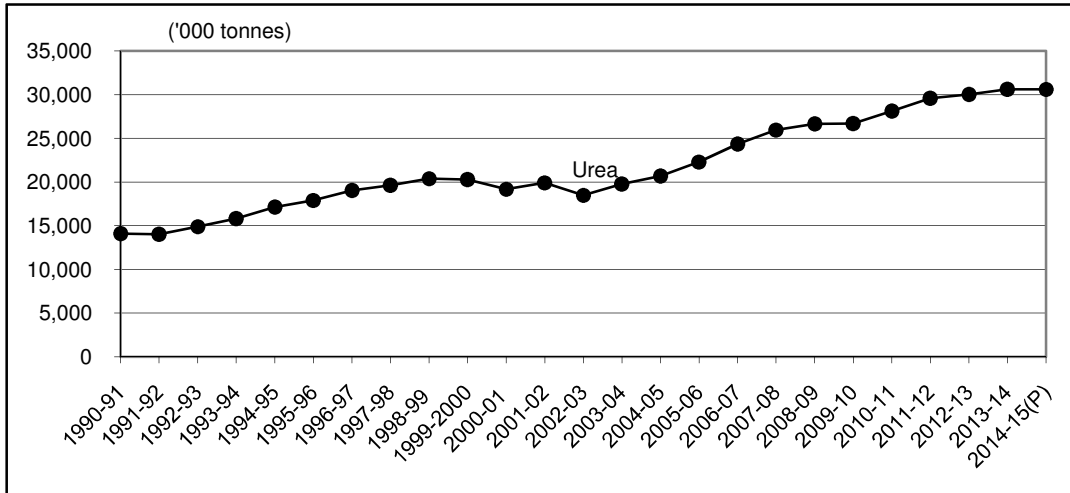
2014-15



* = NP/NPKs (other than DAP)

@ = Includes Rock Phosphate for direct application

**Fig. 8: TRENDS IN CONSUMPTION OF FERTILISER PRODUCTS
1990-91 to 2014-15**



* = Other than DAP/MAP.

6.02 (b) STATE-WISE CONSUMPTION OF FERTILISER PRODUCTS														
Kharif 2014														
('000 tonnes)														
Zone/State	Urea	A/S	ACI	CAN	SSP	TSP	Rock	MOP	SOP	DAP	MAP	28-28-0	14-35-14	
EAST	2,058.15	9.11	-	-	255.13	-	5.37	287.99	-	397.18	-	44.09	15.22	
Assam	136.20	-	-	-	74.31	-	-	55.14	-	15.35	-	-	-	
Bihar	864.29	1.28	-	-	26.08	-	-	54.59	-	128.58	-	-	0.72	
Jharkhand	108.03	-	-	-	2.44	-	-	0.63	-	20.44	-	-	-	
Odisha	358.87	4.36	-	-	4.49	-	-	63.85	-	109.91	-	33.88	1.96	
West Bengal	555.63	3.47	-	-	136.07	-	-	107.97	-	117.82	-	10.21	12.54	
Arunachal Pradesh	0.57	-	-	-	0.08	-	-	0.05	-	0.05	-	-	-	
Manipur	19.42	-	-	-	1.40	-	-	2.36	-	2.95	-	-	-	
Meghalaya	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mizoram	5.70	-	-	-	-	-	-	0.24	-	0.17	-	-	-	
Nagaland	1.09	-	-	-	0.28	-	-	0.34	-	0.66	-	-	-	
Sikkim	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tripura	8.35	-	-	-	9.98	-	5.37	2.82	-	1.25	-	-	-	
NORTH	4,974.81	40.82	-	7.65	292.00	-	-	160.97	-	1,137.59	-	-	-	
Haryana	827.94	1.09	-	-	66.86	-	-	33.39	-	211.70	-	-	-	
Punjab	1,280.00	2.00	-	-	46.00	-	-	37.00	-	255.00	-	-	-	
Uttar Pradesh	2,618.13	37.72	-	7.63	175.59	-	-	84.48	-	637.03	-	-	-	
Uttarakhand	147.49	-	-	-	2.99	-	-	0.42	-	7.45	-	-	-	
J & K	62.51	-	-	-	0.09	-	-	5.12	-	26.41	-	-	-	
Chandigarh	-	-	-	-	-	-	-	-	-	-	-	-	-	
Delhi	3.22	-	-	-	-	-	-	-	-	-	-	-	-	
Himachal Pradesh	35.52	0.01	-	0.02	0.47	-	-	0.56	-	-	-	-	-	
SOUTH	2,740.65	109.02	-	-	219.60	0.03	15.05	589.27	8.54	673.09	-	121.41	53.42	
Andhra Pradesh	678.88	33.01	-	-	97.52	-	-	136.65	1.63	107.60	-	79.02	36.61	
Telangana	746.26	8.44	-	-	31.20	-	-	62.03	-	105.94	-	38.94	12.25	
Karnataka	845.15	51.41	-	-	55.49	-	2.27	207.56	6.91	340.32	-	2.72	4.55	
Kerala	98.10	1.96	-	-	0.54	0.03	12.78	55.06	-	14.83	-	-	-	
Tamil Nadu	363.80	14.20	-	-	34.60	-	-	126.86	-	103.57	-	0.73	0.01	
A & N Islands	0.29	-	-	-	-	-	-	0.13	-	0.30	-	-	-	
Lakshadweep	-	-	-	-	-	-	-	-	-	-	-	-	-	
Puducherry	8.17	-	-	-	0.25	-	-	0.98	-	0.53	-	-	-	
WEST	4,392.93	125.38	-	-	1,188.47	-	-	449.23	2.44	1,641.15	0.30	9.48	1.85	
Gujarat	1,045.24	67.87	-	-	71.92	-	-	67.99	-	297.30	-	-	-	
Madhya Pradesh	746.19	3.53	-	-	400.14	-	-	52.25	-	453.37	0.30	-	0.06	
Chhattisgarh	510.09	7.80	-	-	111.07	-	-	53.27	-	218.82	-	9.48	0.04	
Maharashtra	1,461.83	41.73	-	-	407.05	-	-	271.86	2.44	373.11	-	-	1.75	
Rajasthan	626.46	4.44	-	-	198.29	-	-	3.36	-	296.49	-	-	-	
Daman & Diu	0.18	-	-	-	-	-	-	-	-	0.03	-	-	-	
D & N Haveli	0.84	0.01	-	-	-	-	-	-	-	0.80	-	-	-	
Goa	2.10	-	-	-	-	-	-	0.50	-	1.23	-	-	-	
All India	14,166.54	284.33	-	7.65	1,955.20	0.03	20.42	1,487.46	10.98	3,849.01	0.30	174.98	70.49	

(Continued)

6.02 (b) STATE-WISE CONSUMPTION OF FERTILISER PRODUCTS												
Kharif 2014 (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#
EAST	-	188.81	-	292.86	32.31	1.02	0.22	-	-	34.54	-	609.07
Assam	-	-	-	-	-	-	-	-	-	-	-	-
Bihar	-	39.18	-	7.54	27.66	-	-	-	-	0.91	-	76.01
Jharkhand	-	7.13	-	3.83	4.00	-	-	-	-	-	-	14.96
Odisha	-	99.93	-	7.61	-	0.48	-	-	-	3.10	-	146.96
West Bengal	-	42.57	-	273.88	0.33	0.54	0.22	-	-	30.53	-	370.82
Arunachal Pradesh	-	-	-	-	-	-	-	-	-	-	-	-
Manipur	-	-	-	-	-	-	-	-	-	-	-	-
Meghalaya	-	-	-	-	-	-	-	-	-	-	-	-
Mizoram	-	-	-	-	-	-	-	-	-	-	-	-
Nagaland	-	-	-	-	0.32	-	-	-	-	-	-	0.32
Sikkim	-	-	-	-	-	-	-	-	-	-	-	-
Tripura	-	-	-	-	-	-	-	-	-	-	-	-
NORTH	-	49.07	-	2.95	114.43	-	-	-	-	3.66	-	170.11
Haryana	-	1.57	-	-	9.98	-	-	-	-	1.13	-	12.68
Punjab	-	-	-	-	8.00	-	-	-	-	-	-	8.00
Uttar Pradesh	-	47.50	-	2.94	76.72	-	-	-	-	2.53	-	129.69
Uttarakhand	-	-	-	-	14.14	-	-	-	-	-	-	14.14
J & K	-	-	-	-	1.21	-	-	-	-	-	-	1.21
Chandigarh	-	-	-	-	-	-	-	-	-	-	-	-
Delhi	-	-	-	-	-	-	-	-	-	-	-	-
Himachal Pradesh	-	-	-	0.01	4.38	-	-	-	-	-	-	4.39
SOUTH	72.77	1,161.73	2.83	200.45	31.67	35.37	31.19	1.48	0.05	52.98	0.05	1,765.40
Andhra Pradesh	15.88	283.36	0.91	25.80	-	-	4.04	-	-	7.17	-	452.79
Telangana	6.74	344.83	-	7.96	11.67	2.72	3.36	0.01	-	4.71	-	433.19
Karnataka	43.83	330.28	1.92	151.05	19.11	18.36	10.56	1.47	-	36.96	0.05	620.86
Kerala	-	60.55	-	4.91	-	3.27	3.29	-	-	3.07	-	75.09
Tamil Nadu	6.27	141.24	-	10.73	0.89	11.02	9.19	-	0.05	1.07	-	181.20
A & N Islands	-	0.35	-	-	-	-	-	-	-	-	-	0.35
Lakshadweep	-	-	-	-	-	-	-	-	-	-	-	-
Puducherry	0.05	1.12	-	-	-	-	0.75	-	-	-	-	1.92
WEST	0.54	444.87	56.68	375.72	275.86	55.18	0.17	1.63	0.16	106.56	0.71	1,329.41
Gujarat	0.07	144.46	1.87	11.20	108.62	0.03	-	-	-	5.78	-	272.03
Madhya Pradesh	0.15	16.59	-	2.02	72.95	-	-	-	-	0.86	0.71	93.34
Chhattisgarh	-	8.21	-	0.03	28.66	-	-	-	-	0.98	-	47.40
Maharashtra	0.32	264.26	54.81	362.47	47.89	55.15	0.17	1.63	0.16	98.84	-	887.45
Rajasthan	-	11.26	-	-	16.51	-	-	-	-	-	-	27.77
Daman & Diu	-	-	-	-	-	-	-	-	-	-	-	-
D & N Haveli	-	-	-	-	-	-	-	-	-	-	-	-
Goa	-	0.09	-	-	1.23	-	-	-	-	0.10	-	1.42
All India	73.31	1,844.48	59.51	871.98	454.27	91.57	31.58	3.11	0.21	197.74	0.76	3,873.99
# = Other than DAP/MAP.											(Continued)	

6.02 (b) STATE-WISE CONSUMPTION OF FERTILISER PRODUCTS														
Rabi 2014-15														
('000 tonnes)														
Zone/State	Urea	A/S	ACI	CAN	SSP	TSP	Rock	MOP	SOP	DAP	MAP	28-28-0	14-35-14	
EAST	2,228.64	7.55	-	-	373.73	-	4.46	313.19	-	433.20	-	63.44	35.26	
Assam	163.33	-	-	-	74.35	-	-	55.22	-	18.27	-	-	-	
Bihar	1,076.11	-	-	-	30.73	-	-	99.13	-	224.13	-	-	2.41	
Jharkhand	72.15	-	-	-	1.14	-	-	0.01	-	6.69	-	-	-	
Odisha	147.12	5.16	-	-	2.80	-	-	28.07	-	42.92	-	40.76	1.67	
West Bengal	756.71	2.39	-	-	250.94	-	-	125.73	-	138.16	-	22.68	31.18	
Arunachal Pradesh	0.40	-	-	-	0.30	-	-	0.20	-	0.10	-	-	-	
Manipur	2.99	-	-	-	0.80	-	-	0.88	-	0.95	-	-	-	
Meghalaya	0.28	-	-	-	0.07	-	-	0.02	-	0.04	-	-	-	
Mizoram	0.53	-	-	-	-	-	-	0.25	-	0.33	-	-	-	
Nagaland	0.62	-	-	-	0.29	-	-	0.24	-	0.56	-	-	-	
Sikkim	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tripura	8.40	-	-	-	12.31	-	4.46	3.44	-	1.05	-	-	-	
NORTH	6,253.57	14.02	-	0.01	245.25	-	-	185.89	-	1,637.82	-	-	2.62	
Haryana	1,172.01	0.70	-	-	51.48	-	-	18.07	-	279.00	-	-	-	
Punjab	1,393.50	-	-	-	53.90	-	-	18.10	-	403.70	-	-	-	
Uttar Pradesh	3,462.53	13.24	-	-	130.49	-	-	119.85	-	899.74	-	-	2.62	
Uttarakhand	132.17	-	-	-	2.49	-	-	1.36	-	18.08	-	-	-	
J & K	53.42	-	-	-	0.03	-	-	19.41	-	37.30	-	-	-	
Chandigarh	-	-	-	-	-	-	-	-	-	-	-	-	-	
Delhi	5.87	-	-	-	-	-	-	-	-	-	-	-	-	
Himachal Pradesh	34.07	0.08	-	0.01	6.86	-	-	9.10	-	-	-	-	-	
SOUTH	2,998.45	114.23	0.89	0.02	193.40	1.81	6.87	557.75	7.97	582.47	-	173.97	116.05	
Andhra Pradesh	995.84	36.20	-	-	100.28	-	-	146.60	7.65	174.83	-	134.18	91.49	
Telangana	620.67	13.48	-	0.02	16.57	-	-	46.56	-	83.17	-	37.27	20.14	
Karnataka	687.45	33.89	0.89	-	31.38	1.81	0.66	155.33	0.32	174.72	-	2.28	3.01	
Kerala	60.69	3.02	-	-	0.23	-	6.21	40.57	-	9.75	-	-	-	
Tamil Nadu	627.02	27.64	-	-	44.40	-	-	166.91	-	138.91	-	0.24	1.41	
A & N Islands	0.29	-	-	-	-	-	-	0.17	-	0.28	-	-	-	
Lakshadweep	-	-	-	-	-	-	-	-	-	-	-	-	-	
Puducherry	6.49	-	-	-	0.54	-	-	1.61	-	0.81	-	-	-	
WEST	4,962.77	88.42	-	-	1,221.72	-	-	309.06	-	1,123.06	0.64	3.12	4.61	
Gujarat	1,191.73	59.60	-	-	65.20	-	-	64.93	-	171.49	-	-	-	
Madhya Pradesh	1,271.09	4.00	-	-	455.69	-	-	25.95	-	432.34	0.64	-	2.08	
Chhattisgarh	165.66	2.19	-	-	89.12	-	-	31.19	-	52.76	-	3.12	0.01	
Maharashtra	1,128.50	19.28	-	-	419.75	-	-	180.05	-	210.93	-	-	2.52	
Rajasthan	1,204.08	3.31	-	-	191.96	-	-	6.73	-	255.06	-	-	-	
Daman & Diu	0.10	-	-	-	-	-	-	-	-	0.03	-	-	-	
D & N Haveli	0.15	0.04	-	-	-	-	-	-	-	0.16	-	-	-	
Goa	1.46	-	-	-	-	-	-	0.21	-	0.29	-	-	-	
All India	16,443.43	224.22	0.89	0.03	2,034.10	1.81	11.33	1,365.89	7.97	3,776.55	0.64	240.53	158.54	

(Continued)

6.02 (b) STATE-WISE CONSUMPTION OF FERTILISER PRODUCTS												
Rabi 2014-15 (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#
EAST	-	214.99	-	368.16	65.39	1.95	-	-	-	32.19	-	781.38
Assam	-	-	-	-	-	-	-	-	-	-	-	-
Bihar	-	114.61	-	9.70	56.22	-	-	-	-	3.10	-	186.04
Jharkhand	-	5.15	-	2.57	3.51	-	-	-	-	-	-	11.23
Odisha	-	44.67	-	3.24	-	0.10	-	-	-	1.83	-	92.27
West Bengal	-	50.56	-	352.65	5.38	1.85	-	-	-	27.26	-	491.56
Arunachal Pradesh	-	-	-	-	-	-	-	-	-	-	-	-
Manipur	-	-	-	-	-	-	-	-	-	-	-	-
Meghalaya	-	-	-	-	-	-	-	-	-	-	-	-
Mizoram	-	-	-	-	-	-	-	-	-	-	-	-
Nagaland	-	-	-	-	0.28	-	-	-	-	-	-	0.28
Sikkim	-	-	-	-	-	-	-	-	-	-	-	-
Tripura	-	-	-	-	-	-	-	-	-	-	-	-
NORTH	-	125.12	-	3.34	381.80	-	-	-	-	18.75	-	531.63
Haryana	-	1.06	-	-	20.84	-	-	-	-	1.52	-	23.42
Punjab	-	-	-	-	20.10	-	-	-	-	-	-	20.10
Uttar Pradesh	-	124.06	-	3.01	297.41	-	-	-	-	17.23	-	444.33
Uttarakhand	-	-	-	-	24.36	-	-	-	-	-	-	24.36
J & K	-	-	-	-	0.81	-	-	-	-	-	-	0.81
Chandigarh	-	-	-	-	-	-	-	-	-	-	-	-
Delhi	-	-	-	-	-	-	-	-	-	-	-	-
Himachal Pradesh	-	-	-	0.33	18.28	-	-	-	-	-	-	18.61
SOUTH	43.77	1,265.40	1.03	254.69	12.60	9.03	51.90	32.96	-	59.94	-	2,021.34
Andhra Pradesh	5.89	449.04	0.99	57.63	0.38	0.58	9.77	-	-	5.85	-	755.80
Telangana	1.10	276.98	-	17.76	2.53	1.82	3.09	2.07	-	5.44	-	368.20
Karnataka	23.32	236.80	0.04	159.92	9.69	0.56	12.46	30.89	-	38.82	-	517.79
Kerala	-	53.40	-	5.32	-	2.00	2.24	-	-	-	-	62.96
Tamil Nadu	13.22	246.43	-	14.06	-	4.07	23.22	-	-	9.83	-	312.48
A & N Islands	-	0.25	-	-	-	-	-	-	-	-	-	0.25
Lakshadweep	-	-	-	-	-	-	-	-	-	-	-	-
Puducherry	0.24	2.50	-	-	-	-	1.12	-	-	-	-	3.86
WEST	18.62	351.90	12.76	347.02	176.38	107.03	-	32.04	0.37	12.48	2.84	1,069.17
Gujarat	0.04	122.36	-	15.54	52.72	-	-	-	-	7.48	-	198.14
Madhya Pradesh	0.44	37.39	-	2.05	71.62	-	-	-	0.14	3.73	2.84	120.29
Chhattisgarh	-	7.94	-	0.06	7.31	-	-	-	-	0.79	-	19.23
Maharashtra	18.14	165.82	12.76	329.37	31.21	107.03	-	32.04	0.23	0.18	-	699.30
Rajasthan	-	18.23	-	-	12.84	-	-	-	-	-	-	31.07
Daman & Diu	-	-	-	-	-	-	-	-	-	-	-	-
D & N Haveli	-	-	-	-	-	-	-	-	-	-	-	-
Goa	-	0.16	-	-	0.68	-	-	-	-	0.30	-	1.14
All India	62.39	1,957.41	13.79	973.21	636.17	118.01	51.90	65.00	0.37	123.36	2.84	4,403.52
# = Other than DAP/MAP.												(Continued)

6.02 (b) STATE-WISE CONSUMPTION OF FERTILISER PRODUCTS														
Total 2014-15														
('000 tonnes)														
Zone/State	Urea	A/S	ACI	CAN	SSP	TSP	Rock	MOP	SOP	DAP	MAP	28-28-0	14-35-14	
EAST	4,286.79	16.66	-	-	628.86	-	9.83	601.18	-	830.38	-	107.53	50.48	
Assam	299.53	-	-	-	148.66	-	-	110.36	-	33.62	-	-	-	
Bihar	1,940.40	1.28	-	-	56.81	-	-	153.72	-	352.71	-	-	3.13	
Jharkhand	180.18	-	-	-	3.58	-	-	0.64	-	27.13	-	-	-	
Odisha	505.99	9.52	-	-	7.29	-	-	91.92	-	152.83	-	74.64	3.63	
West Bengal	1,312.34	5.86	-	-	387.01	-	-	233.70	-	255.98	-	32.89	43.72	
Arunachal Pradesh	0.97	-	-	-	0.38	-	-	0.25	-	0.15	-	-	-	
Manipur	22.41	-	-	-	2.20	-	-	3.24	-	3.90	-	-	-	
Meghalaya	0.28	-	-	-	0.07	-	-	0.02	-	0.04	-	-	-	
Mizoram	6.23	-	-	-	-	-	-	0.49	-	0.50	-	-	-	
Nagaland	1.71	-	-	-	0.57	-	-	0.58	-	1.22	-	-	-	
Sikkim	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tripura	16.75	-	-	-	22.29	-	9.83	6.26	-	2.30	-	-	-	
NORTH	11,228.38	54.84	-	7.66	537.25	-	-	346.86	-	2,775.41	-	-	2.62	
Haryana	1,999.95	1.79	-	-	118.34	-	-	51.46	-	490.70	-	-	-	
Punjab	2,673.50	2.00	-	-	99.90	-	-	55.10	-	658.70	-	-	-	
Uttar Pradesh	6,080.66	50.96	-	7.63	306.08	-	-	204.33	-	1,536.77	-	-	2.62	
Uttarakhand	279.66	-	-	-	5.48	-	-	1.78	-	25.53	-	-	-	
J & K	115.93	-	-	-	0.12	-	-	24.53	-	63.71	-	-	-	
Chandigarh	-	-	-	-	-	-	-	-	-	-	-	-	-	
Delhi	9.09	-	-	-	-	-	-	-	-	-	-	-	-	
Himachal Pradesh	69.59	0.09	-	0.03	7.33	-	-	9.66	-	-	-	-	-	
SOUTH	5,739.10	223.25	0.89	0.02	413.00	1.84	21.92	1,147.02	16.51	1,255.56	-	295.38	169.47	
Andhra Pradesh	1,674.72	69.21	-	-	197.80	-	-	283.25	9.28	282.43	-	213.20	128.10	
Telangana	1,366.93	21.92	-	0.02	47.77	-	-	108.59	-	189.11	-	76.21	32.39	
Karnataka	1,532.60	85.30	0.89	-	86.87	1.81	2.93	362.89	7.23	515.04	-	5.00	7.56	
Kerala	158.79	4.98	-	-	0.77	0.03	18.99	95.63	-	24.58	-	-	-	
Tamil Nadu	990.82	41.84	-	-	79.00	-	-	293.77	-	242.48	-	0.97	1.42	
A & N Islands	0.58	-	-	-	-	-	-	0.30	-	0.58	-	-	-	
Lakshadweep	-	-	-	-	-	-	-	-	-	-	-	-	-	
Puducherry	14.66	-	-	-	0.79	-	-	2.59	-	1.34	-	-	-	
WEST	9,355.70	213.80	-	-	2,410.19	-	-	758.29	2.44	2,764.21	0.94	12.60	6.46	
Gujarat	2,236.97	127.47	-	-	137.12	-	-	132.92	-	468.79	-	-	-	
Madhya Pradesh	2,017.28	7.53	-	-	855.83	-	-	78.20	-	885.71	0.94	-	2.14	
Chhattisgarh	675.75	9.99	-	-	200.19	-	-	84.46	-	271.58	-	12.60	0.05	
Maharashtra	2,590.33	61.01	-	-	826.80	-	-	451.91	2.44	584.04	-	-	4.27	
Rajasthan	1,830.54	7.75	-	-	390.25	-	-	10.09	-	551.55	-	-	-	
Daman & Diu	0.28	-	-	-	-	-	-	-	-	0.06	-	-	-	
D & N Haveli	0.99	0.05	-	-	-	-	-	-	-	0.96	-	-	-	
Goa	3.56	-	-	-	-	-	-	0.71	-	1.52	-	-	-	
All India	30,609.97	508.55	0.89	7.68	3,989.30	1.84	31.75	2,853.35	18.95	7,625.56	0.94	415.51	229.03	

(Continued)

6.02 (b) STATE-WISE CONSUMPTION OF FERTILISER PRODUCTS												
Total 2014-15 (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#
EAST	-	403.80	-	661.02	97.70	2.97	0.22	-	-	66.73	-	1,390.45
Assam	-	-	-	-	-	-	-	-	-	-	-	-
Bihar	-	153.79	-	17.24	83.88	-	-	-	-	4.01	-	262.05
Jharkhand	-	12.28	-	6.40	7.51	-	-	-	-	-	-	26.19
Odisha	-	144.60	-	10.85	-	0.58	-	-	-	4.93	-	239.23
West Bengal	-	93.13	-	626.53	5.71	2.39	0.22	-	-	57.79	-	862.38
Arunachal Pradesh	-	-	-	-	-	-	-	-	-	-	-	-
Manipur	-	-	-	-	-	-	-	-	-	-	-	-
Meghalaya	-	-	-	-	-	-	-	-	-	-	-	-
Mizoram	-	-	-	-	-	-	-	-	-	-	-	-
Nagaland	-	-	-	-	0.60	-	-	-	-	-	-	0.60
Sikkim	-	-	-	-	-	-	-	-	-	-	-	-
Tripura	-	-	-	-	-	-	-	-	-	-	-	-
NORTH	-	174.19	-	6.29	496.23	-	-	-	-	22.41	-	701.74
Haryana	-	2.63	-	-	30.82	-	-	-	-	2.65	-	36.10
Punjab	-	-	-	-	28.10	-	-	-	-	-	-	28.10
Uttar Pradesh	-	171.56	-	5.95	374.13	-	-	-	-	19.76	-	574.02
Uttarakhand	-	-	-	-	38.50	-	-	-	-	-	-	38.50
J & K	-	-	-	-	2.02	-	-	-	-	-	-	2.02
Chandigarh	-	-	-	-	-	-	-	-	-	-	-	-
Delhi	-	-	-	-	-	-	-	-	-	-	-	-
Himachal Pradesh	-	-	-	0.34	22.66	-	-	-	-	-	-	23.00
SOUTH	116.54	2,427.13	3.86	455.14	44.27	44.40	83.09	34.44	0.05	112.92	0.05	3,786.74
Andhra Pradesh	21.77	732.40	1.90	83.43	0.38	0.58	13.81	-	-	13.02	-	1,208.59
Telangana	7.84	621.81	-	25.72	14.20	4.54	6.45	2.08	-	10.15	-	801.39
Karnataka	67.15	567.08	1.96	310.97	28.80	18.92	23.02	32.36	-	75.78	0.05	1,138.65
Kerala	-	113.95	-	10.23	-	5.27	5.53	-	-	3.07	-	138.05
Tamil Nadu	19.49	387.67	-	24.79	0.89	15.09	32.41	-	0.05	10.90	-	493.68
A & N Islands	-	0.60	-	-	-	-	-	-	-	-	-	0.60
Lakshadweep	-	-	-	-	-	-	-	-	-	-	-	-
Puducherry	0.29	3.62	-	-	-	-	1.87	-	-	-	-	5.78
WEST	19.16	796.77	69.44	722.74	452.24	162.21	0.17	33.67	0.53	119.04	3.55	2,398.58
Gujarat	0.11	266.82	1.87	26.74	161.34	0.03	-	-	-	13.26	-	470.17
Madhya Pradesh	0.59	53.98	-	4.07	144.57	-	-	-	0.14	4.59	3.55	213.63
Chhattisgarh	-	16.15	-	0.09	35.97	-	-	-	-	1.77	-	66.63
Maharashtra	18.46	430.08	67.57	691.84	79.10	162.18	0.17	33.67	0.39	99.02	-	1,586.75
Rajasthan	-	29.49	-	-	29.35	-	-	-	-	-	-	58.84
Daman & Diu	-	-	-	-	-	-	-	-	-	-	-	-
D & N Haveli	-	-	-	-	-	-	-	-	-	-	-	-
Goa	-	0.25	-	-	1.91	-	-	-	-	0.40	-	2.56
All India	135.70	3,801.89	73.30	1,845.19	1,090.44	209.58	83.48	68.11	0.58	321.10	3.60	8,277.51
# = Other than DAP/MAP.												

6.02 (c) ALL INDIA DESPATCHES OF SULPHUR CARRYING FERTILISERS
(1990-91 to 2014-15)

('000 tonnes)

Year	A/S (20.6% N & 23% S)	Amm.phosphate sulphate		(15% N, 15% P 15% K & 9% S) ¹ (13% N, 33% P 0% K & 6% S) ²	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 ¹	3,678.1	19.3	1,025.3
2011-12	509.4	632.6	3,146.2	71.3 ¹ 252.8 ²	4,608.9	30.8	1,142.4
2012-13	529.7	219.8	2,499.7	10.1 ¹ 7.0 ²	4,200.2	34.5	944.8
2013-14	480.7	181.4	2,940.0	5.8 ¹	4,084.6	30.5	971.5
2014-15	508.6	75.3	3,194.3	24.7 ¹	4,153.6	19.0	1,004.4

Note: Despatches include sulphur from indigenous and import sources.

6.04 SEASON-WISE SHARE OF CONSUMPTION OF N, P ₂ O ₅ & K ₂ O BY STATES - KHARIF 2012 to 2014												
Zone/State	2012				2013				2014 (P)			
	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total
EAST	46	40	39	43	49	39	44	47	48	45	46	47
Arunachal Pradesh	58	33	33	53	--	--	--	--	--	--	--	--
Assam	43	37	45	43	45	44	42	44	46	46	50	47
Bihar	42	40	36	41	44	27	35	41	43	35	35	41
Jharkhand	55	19	25	40	67	46	40	62	61	69	62	62
Manipur	89	69	77	86	76	58	33	69	86	73	73	82
Meghalaya	58	63	59	59	57	65	78	60	--	--	--	--
Mizoram	81	33	67	78	90	35	48	83	--	--	--	--
Nagaland	60	54	53	57	61	51	50	56	52	51	52	52
Odisha	70	65	66	68	81	69	75	77	69	67	69	68
Tripura	49	37	49	46	46	54	49	49	47	49	47	48
West Bengal	39	38	33	38	40	34	42	39	43	42	45	43
NORTH	44	43	62	44	45	33	40	43	44	40	40	43
Haryana	41	49	82	43	42	41	48	42	42	44	60	42
Himachal Pradesh	47	34	24	42	51	24	16	41	48	17	11	37
Jammu & Kashmir	37	31	20	35	44	44	15	41	52	42	22	45
Punjab	47	42	73	46	47	31	69	44	47	39	62	46
Uttar Pradesh	43	42	63	43	45	32	36	42	43	39	34	41
Uttarakhand	55	42	54	53	54	41	41	52	52	35	36	49
Delhi	57	-	--	53	30	--	--	30	68	--	--	68
SOUTH	48	50	46	48	52	50	48	51	48	49	50	49
Andhra Pradesh	51	53	49	51	44	43	38	43	40	38	44	40
Telangana					55	48	53	53	55	55	54	55
Karnataka	46	46	52	47	61	59	56	60	56	60	55	57
Kerala	43	40	33	39	48	47	47	48	60	57	57	58
Tamil Nadu	42	51	40	44	46	49	45	47	37	40	42	39
Puducherry	44	43	52	45	50	39	44	48	52	35	39	48
A & N Islands	49	47	44	47	52	51	45	50	53	54	50	53
WEST	51	57	60	53	51	54	54	52	49	57	57	52
Gujarat	55	64	55	56	50	48	47	50	49	61	54	52
Madhya Pradesh	42	58	69	49	44	56	61	48	39	50	61	44
Chhattisgarh	69	64	82	69	80	71	87	78	76	75	65	75
Maharashtra	61	58	57	60	58	50	52	55	57	57	57	57
Rajasthan	35	44	56	38	40	54	41	43	36	53	42	41
Goa	69	68	57	66	63	54	54	59	63	70	62	65
Daman & Diu	50	50	-	47	63	50	100	64	--	--	--	--
D & N Haveli	84	87	--	85	91	94	-	91	83	84	--	83
All India	47	49	50	48	49	46	48	48	47	49	50	48

(P) = Provisional.

Note : Balance accounts for share of Rabi season.

6.05 ALL INDIA CONSUMPTION RATIO OF N & P ₂ O ₅ IN RELATION TO K ₂ O AND N RELATION TO P ₂ O ₅ . 1951-52 to 2014-15					
Year	N:P ₂ O ₅ :K ₂ O			N:P ₂ O ₅	
	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅
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 (P)	6.7	2.4	1	2.8	1

(P) = Provisional.

6.06(a) STATE-WISE CONSUMPTION RATIO OF N & P ₂ O ₅ IN RELATION TO K ₂ O AND N IN RELATION TO P ₂ O ₅ 2013-14 and 2014-15										
Zone/State	N:P ₂ O ₅ :K ₂ O						N:P ₂ O ₅			
	2013-14			2014-15 (P)			2013-14		2014-15 (P)	
	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	N	P ₂ O ₅
EAST	4.3	1.3	1	4.0	1.4	1	3.4	1	2.8	1
Arunachal Pradesh	--	--	-	--	--	-	--	-	--	-
Assam	1.9	0.5	1	1.9	0.6	1	3.6	1	3.1	1
Bihar	9.9	2.2	1	9.0	2.1	1	4.6	1	4.3	1
Jharkhand	22.4	4.7	1	28.3	6.0	1	4.8	1	4.7	1
Manipur	7.1	1.2	1	5.7	1.1	1	6.0	1	5.1	1
Meghalaya	13.0	3.9	1	--	--	-	3.4	1	--	-
Mizoram	10.1	0.8	1	--	--	-	12.8	1	--	-
Nagaland	3.1	2.1	1	2.8	1.6	1	1.5	1	1.7	1
Odisha	5.5	2.1	1	5.3	2.1	1	2.7	1	2.5	1
Tripura	2.5	1.8	1	2.2	1.7	1	1.4	1	1.3	1
West Bengal	2.6	1.0	1	2.4	1.2	1	2.6	1	1.9	1
NORTH	32.4	7.9	1	19.7	5.3	1	4.1	1	3.7	1
Haryana	60.7	12.7	1	28.0	7.0	1	4.8	1	4.0	1
Himachal Pradesh	3.9	1.0	1	3.7	0.9	1	4.0	1	4.1	1
Jammu & Kashmir	6.2	2.3	1	4.3	2.0	1	2.6	1	2.2	1
Punjab	56.8	13.5	1	36.0	8.7	1	4.2	1	4.1	1
Uttar Pradesh	28.4	7.3	1	16.9	4.9	1	3.9	1	3.5	1
Uttarakhand	21.0	3.4	1	18.7	3.5	1	6.2	1	5.3	1
Delhi	--	--	-	--	--	-	--	-	--	-
SOUTH	4.8	1.8	1	4.1	1.7	1	2.6	1	2.4	1
Andhra Pradesh	6.2	2.5	1	4.9	2.0	1	2.5	1	2.4	1
Telangana	13.0	3.8	1	10.0	3.3	1	3.4	1	3.1	1
Karnataka	3.7	1.7	1	3.0	1.5	1	2.1	1	2.0	1
Kerala	1.2	0.6	1	1.7	0.7	1	1.9	1	2.4	1
Tamil Nadu	3.5	1.2	1	3.2	1.2	1	2.8	1	2.7	1
Puducherry	7.9	1.4	1	4.3	0.9	1	5.8	1	4.6	1
A & N Islands	1.6	1.2	1	1.9	1.5	1	1.3	1	1.3	1
WEST	8.4	3.5	1	6.7	2.9	1	2.4	1	2.3	1
Gujarat	12.8	3.5	1	10.6	3.1	1	3.7	1	3.5	1
Madhya Pradesh	21.5	11.3	1	15.5	8.4	1	1.9	1	1.8	1
Chhattisgarh	7.5	3.4	1	6.6	3.1	1	2.2	1	2.1	1
Maharashtra	3.7	1.8	1	3.0	1.5	1	2.1	1	2.0	1
Rajasthan	180.3	54.6	1	62.7	21.8	1	3.3	1	2.9	1
Goa	3.3	1.5	1	2.9	1.3	1	2.3	1	2.2	1
Daman & Diu	8.0	2.0	1	--	--	-	4.0	1	--	-
D & N Haveli	54.0	35.0	1	--	--	-	1.5	1	1.5	1
All India	8.0	2.7	1	6.7	2.4	1	3.0	1	2.8	1

(P) = Provisional.

6.06(b) STATE-WISE CONSUMPTION RATIO OF N & P ₂ O ₅ IN RELATION TO K ₂ O AND N IN RELATION TO P ₂ O ₅ Kharif (2013 and 2014)										
Zone/State	N:P ₂ O ₅ :K ₂ O						N:P ₂ O ₅			
	2013			2014 (P)			2013		2014 (P)	
	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	N	P ₂ O ₅
EAST	4.8	1.1	1	4.2	1.4	1	4.2	1	3.0	1
Arunachal Pradesh	--	--	-	--	--	-	--	-	--	-
Assam	2.1	0.6	1	1.8	0.6	1	3.7	1	3.2	1
Bihar	12.4	1.7	1	11.0	2.1	1	7.4	1	5.3	1
Jharkhand	37.7	5.5	1	27.7	6.7	1	6.9	1	4.1	1
Manipur	16.5	2.1	1	6.7	1.1	1	7.9	1	6.0	1
Meghalaya	9.5	3.2	1	--	--	-	2.9	1	--	-
Mizoram	18.9	0.6	1	--	--	-	-	-	--	-
Nagaland	3.8	2.1	1	2.8	1.6	1	1.8	1	1.7	1
Odisha	6.0	1.9	1	5.3	2.0	1	3.1	1	2.6	1
Tripura	2.3	2.0	1	2.2	1.8	1	1.2	1	1.2	1
West Bengal	2.4	0.8	1	2.3	1.2	1	3.1	1	1.9	1
NORTH	37.0	6.6	1	21.8	5.3	1	5.6	1	4.1	1
Haryana	53.5	10.8	1	19.3	5.1	1	4.9	1	3.8	1
Himachal Pradesh	12.7	1.5	1	16.2	1.4	1	8.5	1	11.4	1
Jammu & Kashmir	18.0	6.8	1	10.3	3.8	1	2.7	1	2.7	1
Punjab	38.4	6.0	1	27.2	5.4	1	6.4	1	5.0	1
Uttar Pradesh	35.4	6.5	1	21.0	5.6	1	5.5	1	3.8	1
Uttarakhand	27.7	3.4	1	27.2	3.5	1	8.1	1	7.8	1
Delhi	--	--	-	--	--	-	--	-	--	-
SOUTH	5.1	1.9	1	3.9	1.7	1	2.7	1	2.4	1
Andhra Pradesh	7.2	2.8	1	4.5	1.7	1	2.6	1	2.5	1
Telangana	13.4	3.5	1	10.1	3.3	1	3.9	1	3.1	1
Karnataka	4.0	1.8	1	3.1	1.6	1	2.2	1	1.9	1
Kerala	1.2	0.6	1	1.8	0.7	1	2.0	1	2.5	1
Tamil Nadu	3.5	1.3	1	2.8	1.1	1	2.6	1	2.5	1
Puducherry	9.1	1.2	1	5.8	0.8	1	7.4	1	6.9	1
A & N Islands	1.8	1.4	1	2.0	1.6	1	1.3	1	1.2	1
WEST	7.9	3.4	1	5.8	2.9	1	2.3	1	2.0	1
Gujarat	13.7	3.6	1	9.6	3.5	1	3.8	1	2.7	1
Madhya Pradesh	15.4	10.3	1	10.0	6.9	1	1.5	1	1.5	1
Chhattisgarh	6.9	2.8	1	7.7	3.6	1	2.5	1	2.1	1
Maharashtra	4.2	1.8	1	3.0	1.5	1	2.4	1	2.0	1
Rajasthan	174.7	71.0	1	54.6	27.7	1	2.5	1	2.0	1
Goa	3.8	1.4	1	3.0	1.5	1	2.6	1	2.0	1
Daman & Diu	5.0	1.0	-	--	--	-	5.0	1	--	-
D & N Haveli	--	--	-	--	--	-	1.5	1	1.4	1
All India	8.1	2.6	1	6.3	2.4	1	3.2	1	2.7	1

(P) = Provisional.

6.06(c) STATE-WISE CONSUMPTION RATIO OF N & P ₂ O ₅ IN RELATION TO K ₂ O AND N IN RELATION TO P ₂ O ₅ Rabi (2013-14 and 2014-15)										
Zone/State	N:P ₂ O ₅ :K ₂ O						N:P ₂ O ₅			
	2013-14			2014-15 (P)			2013-14		2014-15 (P)	
	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	N	P ₂ O ₅
EAST	4.0	1.4	1	3.9	1.5	1	2.8	1	2.7	1
Arunachal Pradesh	--	--	-	--	--	-	--	-	--	-
Assam	1.8	0.5	1	2.1	0.7	1	3.6	1	3.1	1
Bihar	8.6	2.5	1	7.9	2.1	1	3.5	1	3.7	1
Jharkhand	12.3	4.2	1	29.4	4.9	1	3.0	1	5.9	1
Manipur	2.6	0.7	1	2.9	1.1	1	3.5	1	2.7	1
Meghalaya	25.2	6.0	1	--	--	-	4.2	1	--	-
Mizoram	1.9	1.0	1	--	--	-	1.9	1	--	-
Nagaland	2.5	2.0	1	2.8	1.7	1	1.2	1	1.6	1
Odisha	4.3	2.6	1	5.3	2.3	1	1.6	1	2.3	1
Tripura	2.6	1.6	1	2.2	1.6	1	1.6	1	1.3	1
West Bengal	2.6	1.1	1	2.5	1.3	1	2.4	1	1.9	1
NORTH	29.5	8.7	1	18.4	5.3	1	3.4	1	3.4	1
Haryana	67.5	14.4	1	41.1	9.9	1	4.7	1	4.1	1
Himachal Pradesh	2.2	0.9	1	2.1	0.8	1	2.6	1	2.6	1
Jammu & Kashmir	4.1	1.5	1	2.6	1.5	1	2.6	1	1.8	1
Punjab	98.1	30.4	1	50.5	14.2	1	3.2	1	3.6	1
Uttar Pradesh	24.4	7.8	1	14.8	4.5	1	3.1	1	3.3	1
Uttarakhand	16.3	3.4	1	14.0	3.5	1	4.8	1	4.0	1
Delhi	--	--	-	--	--	-	--	-	--	-
SOUTH	4.4	1.8	1	4.2	1.7	1	2.5	1	2.5	1
Andhra Pradesh	5.5	2.3	1	5.3	2.2	1	2.4	1	2.4	1
Telangana	12.4	4.2	1	9.9	3.2	1	3.0	1	3.1	1
Karnataka	3.3	1.6	1	2.9	1.3	1	2.0	1	2.2	1
Kerala	1.1	0.6	1	1.6	0.7	1	1.9	1	2.3	1
Tamil Nadu	3.4	1.1	1	3.5	1.2	1	3.0	1	2.8	1
Puducherry	7.0	1.5	1	3.3	1.0	1	4.7	1	3.4	1
A & N Islands	1.4	1.1	1	1.8	1.4	1	1.3	1	1.3	1
WEST	9.0	3.5	1	8.0	2.9	1	2.5	1	2.8	1
Gujarat	12.0	3.4	1	11.9	2.6	1	3.5	1	4.6	1
Madhya Pradesh	31.0	12.8	1	24.0	10.7	1	2.4	1	2.2	1
Chhattisgarh	11.6	7.5	1	4.5	2.2	1	1.5	1	2.1	1
Maharashtra	3.3	1.9	1	3.0	1.5	1	1.7	1	2.0	1
Rajasthan	184.3	43.2	1	68.6	17.6	1	4.3	1	3.9	1
Goa	2.7	1.5	1	2.8	1.0	1	1.8	1	2.7	1
Daman & Diu	--	--	-	--	--	-	3.0	1	--	-
D & N Haveli	5.0	2.0	-	--	--	-	2.5	1	1.6	1
All India	7.9	2.8	1	7.1	2.5	1	2.8	1	2.9	1

(P) = Provisional.

6.07 ALL INDIA CONSUMPTION OF PLANT NUTRIENTS PER UNIT OF GROSS CROPPED AREA 1951-52 to 2014-15					
Year	Gross cropped area ('000 ha.)	Consumption per hectare (kg)			Total
		N	P ₂ O ₅	K ₂ O	
1951-52	133.234	0.44	0.05	-	0.49
1954-55	144.087	0.66	0.10	0.08	0.84
1955-56	147.311	0.73	0.09	0.07	0.89
1956-57	149.492	0.82	0.11	0.10	1.03
1957-58	145.832	1.02	0.15	0.09	1.26
1958-59	151.629	1.13	0.19	0.15	1.48
1959-60	152.824	1.50	0.35	0.14	1.99
1960-61	152.772	1.39	0.35	0.19	1.92
1961-62	156.209	1.60	0.39	0.18	2.17
1962-63	156.760	2.12	0.53	0.23	2.88
1963-64	156.963	2.40	0.74	0.32	3.46
1964-65	159.229	3.49	0.93	0.44	4.86
1965-66	155.276	3.70	0.85	0.50	5.05
1966-67	157.355	4.69	1.58	0.73	6.99
1967-68	163.736	6.32	2.04	1.04	9.40
1968-69	159.529	7.58	2.40	1.07	11.04
1969-70	162.265	8.36	2.56	1.29	12.21
1970-71	165.791	8.92	3.26	1.43	13.61
1971-72	165.186	10.88	3.38	1.82	16.08
1972-73	162.150	11.34	3.58	2.14	17.07
1973-74	169.872	10.77	3.82	2.12	16.71
1974-75	164.191	10.75	2.87	2.05	15.67
1975-76	171.296	12.54	2.73	1.62	16.89
1976-77	167.334	14.68	3.79	1.91	20.38
1977-78	172.232	16.91	5.03	2.94	24.88
1978-79	174.802	19.56	6.33	3.38	29.27
1979-80	169.589	20.63	6.79	3.58	30.99
1980-81	172.630	21.31	7.03	3.61	31.95
1981-82	176.750	23.02	7.48	3.83	34.33
1982-83	172.748	24.56	8.29	4.20	37.06
1983-84	179.560	28.98	9.64	4.32	42.94
1984-85	176.330	31.11	10.70	4.76	46.57
1985-86	178.464	31.72	11.24	4.53	47.48
1986-87	176.405	32.40	11.78	4.82	49.01
1987-88	170.738	33.48	12.81	5.16	51.45
1988-89	182.277	39.78	14.93	5.86	60.57
1989-90	182.269	40.52	16.54	6.41	63.47
1990-91	185.742	43.06	17.34	7.15	67.55
1991-92	182.241	44.15	18.22	7.47	69.84
1992-93	185.618	45.40	15.32	4.76	65.48
1993-94	186.595	47.10	14.31	4.87	66.27
1994-95	188.053	50.56	15.59	5.98	72.13
1995-96	187.471	52.40	15.46	6.17	74.02
1996-97	189.502	54.36	15.71	5.43	75.50
1997-98	189.988	57.38	20.60	7.22	85.20
1998-99	191.649	59.24	21.46	6.95	87.65
1999-2000	188.396	61.53	25.47	8.91	95.91
2000-01	185.340	58.92	22.74	8.46	90.12
2001-02	188.014	60.16	23.31	8.87	92.33
2002-03	173.889	60.23	23.11	9.21	92.55
2003-04	189.661	58.40	21.75	8.43	88.57
2004-05	191.103	61.30	24.20	10.78	96.27
2005-06	192.737	66.01	27.00	12.52	105.53
2006-07	192.381	71.59	28.81	12.14	112.54
2007-08	195.223	73.86	28.25	13.50	115.61
2008-09 (P)	195.328	77.26	33.31	16.96	127.53
2009-10 (P)	189.002	82.43	38.49	19.22	140.14
2010-11 (P)	197.563	83.81	40.74	17.79	142.35
2011-12 (P)	195.632	88.43	40.46	13.16	142.05
2012-13 (P)	194.399	86.53	34.23	10.61	131.36
2013-14 (P)		86.16	28.98	10.80	125.94
2014-15 (P)		87.17	31.37	13.03	131.57

(P) = Provisional.

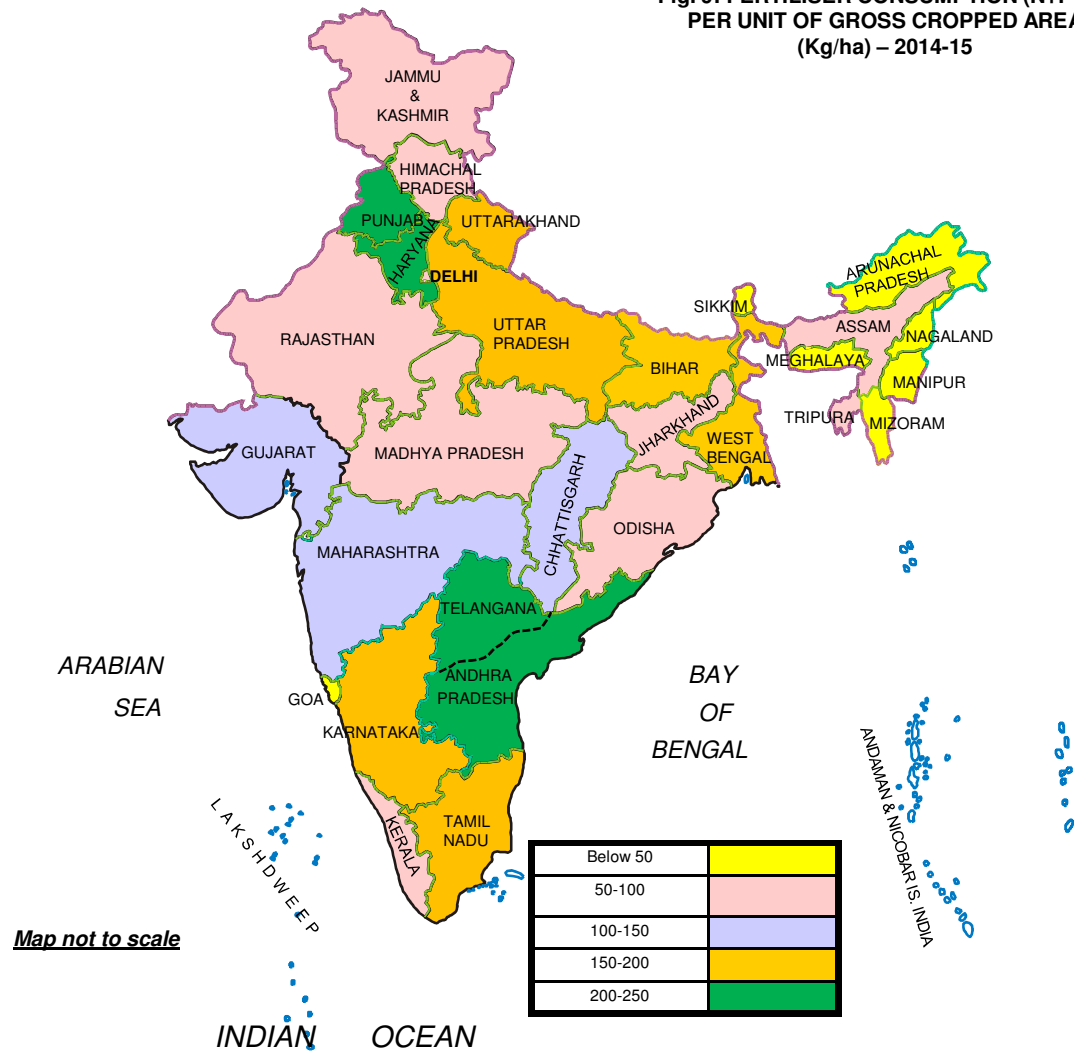
Note : 1. Calculated on the basis of consumption figures given in Table 6.01 (a) (Part I) and gross cropped area in Table 1.01 (Part II).

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.

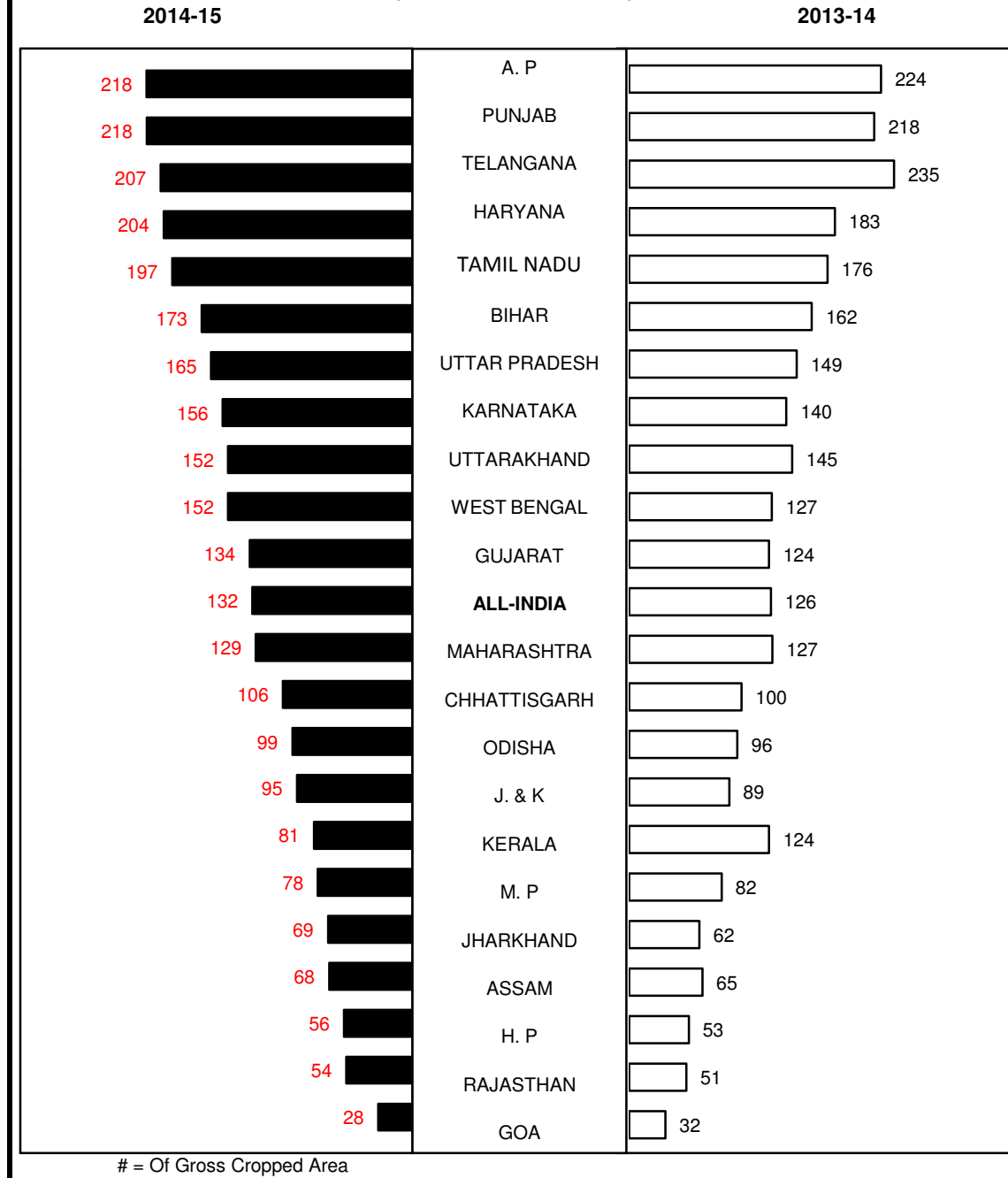
6.08 STATE-WISE CONSUMPTION OF PLANT NUTRIENTS PER UNIT OF GROSS CROPPED AREA 2013-14 and 2014-15 (Provisional)								
Zone/State	2013-14				2014-15			
	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total
EAST	73.0	21.7	16.9	111.6	76.9	27.3	19.0	123.3
Arunachal Pradesh	-	-	-	-	-	-	-	-
Assam	36.0	9.9	19.1	65.1	37.2	12.0	19.1	68.2
Bihar	122.8	27.0	12.3	162.1	128.6	30.2	14.3	173.1
Jharkhand	49.8	10.4	2.2	62.5	55.4	11.8	2.0	69.2
Manipur	26.8	4.4	3.8	35.0	35.7	7.0	6.3	48.9
Meghalaya	10.3	3.1	0.8	14.2	-	-	-	-
Mizoram	25.3	2.0	2.5	29.8	-	-	-	-
Nagaland	2.2	1.4	0.7	4.3	2.7	1.6	1.0	5.3
Odisha	61.7	23.2	11.1	96.1	62.0	24.9	11.7	98.5
Tripura	29.0	21.4	11.8	62.2	23.3	18.0	10.7	52.0
West Bengal	71.6	27.2	28.0	126.8	78.2	40.4	33.0	151.6
NORTH	127.5	31.0	3.9	162.4	133.3	36.0	6.8	176.1
Haryana	149.1	31.1	2.5	182.7	158.9	39.8	5.7	204.4
Himachal Pradesh	35.2	8.7	9.1	53.0	37.0	9.0	10.0	56.0
Jammu & Kashmir	57.8	21.9	9.4	89.0	56.0	25.7	13.0	94.7
Punjab	173.3	41.3	3.1	217.7	171.8	41.7	4.8	218.3
Uttar Pradesh	115.1	29.6	4.1	148.8	122.7	35.4	7.3	165.4
Uttarakhand	119.7	19.4	5.7	144.8	122.2	22.8	6.5	151.6
Delhi	74.3	-	-	74.3	174.9	-	-	174.9
SOUTH	113.2	44.0	23.8	181.0	109.1	44.6	26.7	180.4
Andhra Pradesh	142.6	57.9	23.1	223.7	135.2	55.7	27.5	218.4
Telangana	171.8	50.3	13.3	235.4	145.3	47.1	14.5	207.0
Karnataka	80.4	37.6	21.6	139.7	85.3	42.4	28.3	155.9
Kerala	52.4	27.1	44.7	124.3	40.3	16.6	23.9	80.8
Tamil Nadu	106.9	38.3	31.0	176.2	117.0	43.4	37.0	197.4
Puducherry	466.5	80.4	58.8	605.8	306.5	66.5	71.9	445.0
A & N Islands	19.2	14.6	12.1	45.8	20.4	16.3	10.8	47.5
WEST	60.0	24.8	7.2	92.0	59.5	25.5	8.8	93.8
Gujarat	92.0	25.0	7.2	124.2	96.6	27.9	9.1	133.7
Madhya Pradesh	52.3	27.4	2.4	82.2	48.4	26.2	3.1	77.7
Chhattisgarh	62.8	28.6	8.4	99.7	65.6	30.8	10.0	106.4
Maharashtra	72.5	35.4	19.4	127.3	70.4	34.8	23.4	128.7
Rajasthan	38.8	11.8	0.2	50.8	39.8	13.8	0.6	54.2
Goa	18.5	8.1	5.6	32.2	15.6	7.0	5.3	27.9
Daman & Diu	26.7	6.7	3.3	36.7	-	-	-	-
D & N Haveli	22.5	14.6	0.4	37.5	26.7	18.3	-	45.0
All India	86.2	29.0	10.8	125.9	87.2	31.4	13.0	131.6

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) – 2014-15**



**Fig. 10: CONSUMPTION OF PLANT NUTRIENTS IN
MAJOR STATES (kg./ha)# (N+P₂O₅+K₂O)
(2014-15 and 2013-14)**



6.09 SHARE OF GROSS CROPPED AREA AND FERTILISER CONSUMPTION TO ALL INDIA - STATE-WISE 2014-15 (Provisional)					
Zone / States	Share of states to All India gross cropped area (%)	Share of selected states to All India consumption (N+P ₂ O ₅ +K ₂ 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)
EAST	15.7	14.7	30,428	123.3	Lower
Assam	2.2	1.1	4,197	68.2	Lower
Bihar	4.0	5.3	7,777	173.1	Higher
Jharkhand	0.9	0.4	1,657	69.2	Lower
Odisha	2.6	2.0	5,069	98.5	Lower
West Bengal	5.0	5.7	9,678	151.6	Higher
NORTH	22.3	29.9	43,350	176.1	Higher
Haryana	3.3	5.1	6,375	204.4	Higher
Himachal Pradesh	0.5	0.2	947	56.0	Lower
Jammu & Kashmir	0.6	0.4	1,162	94.7	Lower
Punjab	4.0	6.7	7,870	218.3	Higher
Uttar Pradesh	13.3	16.7	25,821	165.4	Higher
Uttarakhand	0.6	0.7	1,124	151.6	Higher
SOUTH	17.1	23.4	33,183	180.4	Higher
Andhra Pradesh	4.1	6.8	7,960	218.4	Higher
Telangana	2.9	4.6	5,690	207.0	Higher
Karnataka	6.0	7.2	11,748	155.9	Higher
Kerala	1.3	0.8	2,592	80.8	Lower
Tamil Nadu	2.6	4.0	5,140	197.4	Higher
WEST	45.0	32.1	87,438	93.8	Lower
Gujarat	6.5	6.6	12,600	133.7	Higher
Madhya Pradesh	11.9	7.0	23,130	77.7	Lower
Chhattisgarh	2.9	2.4	5,691	106.4	Lower
Maharashtra	11.3	11.0	21,874	128.7	Lower
Rajasthan	12.3	5.1	23,954	54.2	Lower
All India	100.0	100.0	194,399	131.6	
\$ = For 2012-13. # = In a state where total nutrients (N+P ₂ O ₅ +K ₂ O) consumption share is higher than or equal to gross cropped area share, consumption of plant nutrients (N+P ₂ O ₅ +K ₂ O) in that state (Kg/ha) is above All-India average of 131.6 kg/ha and vice versa.					

**6.10 STATES ACCORDING TO DESCENDING ORDER OF CONTRIBUTION TO INCREASE IN CONSUMPTION (N+P₂O₅+K₂O)
2014-15 OVER 2013-14 AND 2013-14 OVER 2012-13**

Ranking in terms of increase in consumption 2014-15 over 2013-14	States	2014-15(P) over 2013-14			Ranking in terms of increase in consumption 2013-14 over 2012-13	States	2013-14 over 2012-13		
		Increase in absolute terms ('000 MT)	Share in contribution to total increase (%)	Cumulative share (%)			Increase in absolute terms ('000 MT)	Share in contribution to total increase (%)	Cumulative share (%)
States with Positive Growth									
1	Uttar Pradesh	429.60	28.25	28.25	1	Andhra Pradesh*	372.33	33.65	33.65
2	West Bengal	240.06	15.79	44.04	2	Maharashtra	312.14	28.21	61.86
3	Karnataka	191.26	12.58	56.62	3	Gujarat	222.94	20.15	82.01
4	Haryana	138.48	9.11	65.72	4	Karnataka	109.51	9.90	91.91
5	Gujarat	119.09	7.83	73.56	5	Kerala	45.00	4.07	95.98
6	Tamil Nadu	109.14	7.18	80.73	6	Madhya Pradesh	31.74	2.87	98.85
7	Bihar	85.41	5.62	86.35	7	Uttarakhand	10.27	0.93	99.77
8	Rajasthan	81.34	5.35	91.70	8	Himachal Pradesh	2.49	0.23	100.00
9	Chhattisgarh	37.74	2.48	94.18					
10	Maharashtra	29.90	1.97	96.15					
11	Assam	13.40	0.88	97.03					
12	Odisha	12.40	0.82	97.84					
13	Jharkhand	11.14	0.73	98.58					
14	Uttarakhand	7.59	0.50	99.08					
15	Jammu & Kashmir	6.66	0.44	99.51					
16	Punjab	4.48	0.29	99.81					
17	Himachal Pradesh	2.90	0.19	100.00					
	Sub Total	1,520.59					1,106.42		
States with Negative Growth									
1	Andhra Pradesh	41.43	9.87	9.87	1	Assam	2.61	0.12	0.12
2	Madhya Pradesh	104.10	24.80	34.67	2	Odisha	3.06	0.14	0.26
3	Kerala	112.67	26.84	61.51	3	Jammu & Kashmir	6.27	0.29	0.55
4	Telangana	161.60	38.49	100.00	4	Chhattisgarh	34.04	1.58	2.13
					5	Tamil Nadu	41.16	1.90	4.03
					6	Jharkhand	94.14	4.36	8.39
					7	Rajasthan	126.56	5.86	14.25
					8	Haryana	185.53	8.59	22.83
					9	Punjab	258.97	11.98	34.82
					10	Bihar	266.01	12.31	47.13
					11	West Bengal	333.55	15.44	62.56
					12	Uttar Pradesh	808.94	37.44	100.00
	Sub Total	419.80					2,160.84		
	All India	1,093.71	\$(P)				-1,053.74	\$	

(P) = Provisional. \$ = Includes small states/UTs/Plantations.

* = Includes Telangana.

Note : 1. For consumption figures, see Table 6.01 (b).

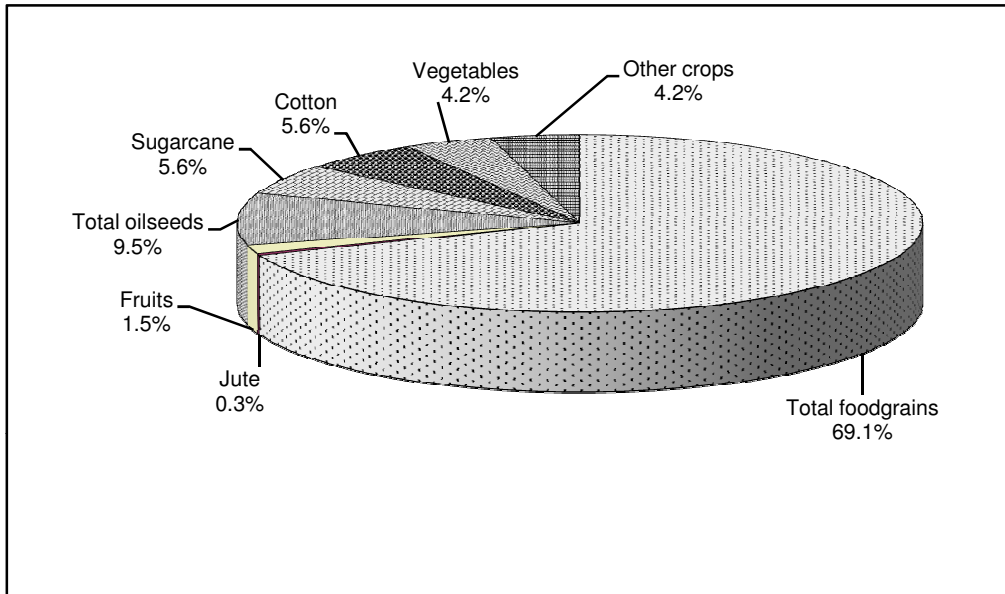
2. Totals/sub totals may not exactly tally due to rounding off.

6.11 PATTERN OF FERTILISER CONSUMPTION BY SIZE OF FARMS - 2006-07						
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)	63.90	18.65	11.15	5.30	1.00	100.00
	= 82.55					
2. Area cultivated (per cent)						
- Net	21.53	20.94	23.71	23.16	10.66	100.00
- Gross	23.42	20.95	22.95	22.46	10.22	100.00
3. Proportion of fertilised area to gross cropped area (per cent)	73.63	76.62	75.54	71.48	58.07	72.62
4. Proportion of fertiliser consumption by size of farm to total consumption (N+P ₂ O ₅ +K ₂ O) (per cent)	29.03	23.84	22.05	18.95	6.13	100.00
	= 52.87					
5. Fertiliser consumption per hectare of fertilised area (N+P ₂ O ₅ +K ₂ O) (Kg.)	189.79	167.49	143.42	133.09	116.48	155.26
6. Fertiliser consumption per hectare of gross cropped area (N+P ₂ O ₅ +K ₂ O) (Kg.)	139.74	128.33	108.34	95.13	67.64	112.76
Source : Adapted from <i>All India Report of Input Survey - 2006-07</i> , Deptt. of Agriculture & Cooperation, Ministry of Agriculture, Govt. of India.						

6.12 USAGE OF FERTILISERS BY VARIOUS CROPS - 2006-07										
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	43,208	78.2	82.0	29.8	17.3	129.2	104.9	38.1	22.2	165.2
Wheat	25,471	92.0	112.9	42.9	6.8	162.6	122.7	46.6	7.3	176.7
Jowar	3,817	64.2	40.2	22.0	3.6	65.9	62.6	34.3	5.7	102.6
Bajra	9,172	45.0	20.3	4.5	0.5	25.3	45.2	9.9	1.1	56.2
Maize	5,727	73.8	62.7	23.7	3.5	89.9	85.0	32.1	4.8	121.9
Gram	4,195	51.9	23.0	21.6	3.2	47.8	44.4	41.7	6.1	92.1
Moong	936	23.3	11.6	8.7	0.7	21.0	49.8	37.5	2.8	90.1
Masur	235	36.9	32.2	25.5	8.1	65.8	87.2	69.0	22.0	178.2
Total Pulses	14,311	40.6	19.5	17.5	2.5	39.6	48.1	43.2	6.3	97.6
Total Foodgrains	107,707	72.0	71.8	28.3	9.9	110.0	99.6	39.3	13.7	152.6
Soyabean	4,704	77.1	32.3	31.4	0.8	64.6	42.0	40.8	1.0	83.8
R & Mustard	4,295	85.9	55.8	26.5	1.9	84.1	64.9	30.8	2.2	97.9
Coconut	1,214	32.0	31.1	15.9	28.6	75.6	97.2	49.7	89.4	236.4
Sunflower	412	95.7	49.5	42.6	9.2	101.3	51.8	44.5	9.6	105.9
Groundnut	5,042	85.9	41.0	40.4	11.6	93.0	47.7	47.0	13.5	108.2
Total Oilseeds	20,206	76.5	42.4	31.0	7.1	80.5	55.5	40.5	9.3	105.3
Sugarcane	4,056	98.2	149.0	56.4	29.5	234.9	151.8	57.5	30.1	239.3
Cotton	5,196	95.2	118.9	49.9	14.5	183.3	124.9	52.5	15.2	192.6
Jute	658	84.7	43.8	24.0	18.6	86.5	51.8	28.4	21.9	102.0
Total Fruits	1,667	51.1	73.2	40.3	45.0	158.6	143.3	78.8	88.1	310.2
Potato	665	92.3	131.9	110.8	77.6	320.3	143.0	120.1	84.1	347.2
Onion	49	90.7	109.3	79.2	60.7	249.2	120.6	87.4	66.9	274.8
Cabbage	13	58.5	58.4	33.2	146.2	237.8	99.9	56.7	250.0	406.7
Total Vegetables	2,839	81.1	106.4	87.1	60.3	253.8	131.1	107.3	74.3	312.8
Chillies	231	92.3	159.6	95.1	42.4	297.1	172.9	103.0	45.9	321.8
Total Spices & Condiments	1,301	68.5	66.5	39.8	19.7	125.9	97.0	58.0	28.7	183.8
Tea	77	94.2	257.4	20.7	27.5	305.6	273.3	22.0	29.2	324.5
Coffee	307	79.2	80.2	51.2	91.4	222.8	101.2	64.6	115.3	281.2
Rubber	356	81.9	30.6	28.6	23.4	82.7	37.4	34.9	28.6	100.9
All Crops	151,958	72.6	70.3	30.9	11.6	112.8	96.7	42.5	16.0	155.3

Source : Adapted from *All India Report on Input Survey - 2006-07*, Deptt. of Agriculture & Cooperation (Agricultural Census Division) Ministry of Agriculture, Govt. of India.

**Fig. 11: SHARE OF USAGE OF FERTILISER NUTRIENTS (N+P+K)
BY VARIOUS CROPS - 2006-07**



6.13 USAGE OF FERTILISERS BY ALL CROPS IN MAJOR STATES - 2006-07										
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
Andhra Pradesh										
I	5,997.58	98.7	124.6	71.3	38.6	234.5	126.2	72.3	39.1	237.6
UI	8,050.02	72.7	46.6	38.8	7.4	92.7	64.1	53.3	10.1	127.5
T	14,047.59	83.8	79.9	52.7	20.7	153.2	95.3	62.9	24.7	182.9
Assam										
I	125.04	84.2	80.6	50.4	64.2	195.3	95.8	59.8	76.3	231.9
UI	2,725.27	34.2	32.7	17.5	16.6	66.8	95.6	51.3	48.6	195.6
T	2,850.31	36.4	34.8	19.0	18.7	72.5	95.6	52.2	51.4	199.3
Chhattisgarh										
I	1,112.06	71.0	39.8	11.2	5.1	56.1	56.1	15.7	7.1	79.0
UI	4,331.52	66.6	52.4	23.9	9.9	86.2	78.6	35.9	14.8	129.3
T	5,443.59	67.5	49.8	21.3	8.9	80.0	73.8	31.6	13.1	118.5
Goa										
I	14.96	61.4	56.0	20.4	33.1	109.6	91.3	33.2	54.0	178.5
UI	26.97	43.4	38.0	14.3	4.4	56.6	87.6	32.9	10.2	130.7
T	41.93	49.8	44.4	16.5	14.7	75.5	89.2	33.0	29.4	151.7
Gujarat										
I	3,187.78	78.1	132.4	58.9	25.2	216.5	169.5	75.4	32.2	277.1
UI	7,148.59	88.1	70.1	24.7	5.5	100.3	79.6	28.0	6.3	113.8
T	10,336.37	85.1	89.3	35.2	11.6	136.1	105.0	41.4	13.6	160.1
Haryana										
I	5,881.88	92.9	140.8	39.0	3.3	183.1	151.6	42.0	3.6	197.1
UI	275.53	55.3	39.9	6.7	0.04	46.7	72.1	12.1	0.08	84.3
T	6,157.42	91.2	136.3	37.6	3.2	177.0	149.4	41.2	3.5	194.1
Himachal Pradesh										
I	164.89	83.3	48.6	19.2	9.8	77.6	58.4	23.0	11.7	93.1
UI	900.76	77.2	32.0	9.9	6.7	48.6	41.5	12.8	8.7	62.9
T	1,065.64	78.1	34.6	11.3	7.2	53.1	44.3	14.5	9.2	67.9
Jammu & Kashmir										
I	481.46	93.6	55.6	27.0	3.9	86.6	59.5	28.9	4.2	92.6
UI	679.91	78.8	39.6	15.2	6.5	61.2	50.2	19.3	8.2	77.7
T	1,161.36	84.9	46.2	20.1	5.4	71.7	54.4	23.6	6.4	84.5
Karnataka										
I	2,875.38	86.2	122.7	56.7	60.1	239.5	142.3	65.8	69.7	277.8
UI	9,642.01	77.8	42.5	30.3	11.2	84.0	54.6	38.9	14.4	108.0
T	12,517.39	79.7	60.9	36.4	22.4	119.7	76.4	45.6	28.1	150.2
Kerala										
I	313.33	63.0	25.6	20.4	35.1	81.2	40.7	32.4	55.8	128.8
UI	1,024.74	43.0	16.0	14.6	15.7	46.3	37.3	34.0	36.5	107.8
T	1,338.08	47.7	18.3	16.0	20.2	54.5	38.3	33.5	42.5	114.3

(Continued)

6.13 USAGE OF FERTILISERS BY ALL CROPS IN MAJOR STATES - 2006-07 (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
Madhya Pradesh										
I	5,698.65	82.5	68.9	34.3	7.8	110.9	83.5	41.6	9.4	134.5
UI	13,088.32	52.7	25.2	16.1	1.7	43.0	47.8	30.5	3.2	81.5
T	18,786.97	61.8	38.5	21.6	3.5	63.6	62.3	35.0	5.7	103.0
Orissa										
I	1,380.98	88.3	65.4	27.3	17.0	109.7	74.1	30.9	19.3	124.3
UI	4,256.10	58.4	32.5	13.5	7.8	53.7	55.6	23.0	13.4	92.1
T	5,637.07	65.7	40.5	16.8	10.1	67.4	61.7	25.6	15.3	102.7
Punjab										
I	7,613.68	97.2	135.3	45.3	2.4	183.0	139.1	46.6	2.5	188.2
UI	97.59	44.6	45.1	12.0	0.27	57.3	101.0	26.9	0.61	128.5
T	7,711.27	96.6	134.1	44.9	2.4	181.4	138.9	46.5	2.5	187.9
Rajasthan										
I	8,082.56	86.9	54.7	24.4	1.3	80.3	62.9	28.0	1.5	92.4
UI	13,299.48	25.6	9.9	4.4	0.2	14.5	38.6	17.2	0.7	56.5
T	21,382.04	48.8	26.8	11.9	0.6	39.4	55.0	24.5	1.2	80.7
Tamil Nadu										
I	3,266.09	86.0	134.0	65.3	71.8	271.1	155.7	75.9	83.5	315.1
UI	2,445.87	42.0	38.1	19.2	14.7	72.0	90.7	45.6	35.0	171.4
T	5,711.96	67.2	92.9	45.6	47.4	185.9	138.3	67.8	70.5	276.6
Uttarakhand										
I	527.00	87.4	190.8	42.6	15.4	248.8	218.4	48.8	17.6	284.8
UI	698.50	3.6	14.6	0.3	0.01	14.8	405.2	7.4	0.3	412.9
T	1,225.51	39.6	90.3	18.5	6.6	115.5	228.0	46.7	16.7	291.5
Uttar Pradesh										
I	20,384.04	97.4	122.6	39.6	7.3	169.4	125.9	40.6	7.5	174.0
UI	5,620.75	26.4	26.9	8.7	2.4	38.0	102.0	33.2	9.1	144.2
T	26,004.79	82.0	101.9	32.9	6.2	141.0	124.2	40.1	7.6	171.9
West Bengal										
I	5,066.25	96.2	99.0	65.9	49.8	214.8	102.9	68.5	51.8	223.1
UI	3,850.69	72.3	37.5	19.6	15.0	72.1	51.9	27.1	20.7	99.7
T	8,916.94	85.9	72.5	45.9	34.8	153.1	84.4	53.4	40.5	178.3
ALL INDIA										
I	72,581.15	91.8	109.8	44.3	17.6	171.7	119.6	48.3	19.2	187.1
UI	79,376.37	55.1	34.1	18.6	6.2	58.9	61.9	33.7	11.2	106.8
T	151,957.52	72.6	70.3	30.9	11.6	112.8	96.7	42.5	16.0	155.3
I = Irrigated, UI = Unirrigated and T = Total of I & UI. Totals may not tally due to rounding off. Note: Survey was not conducted in some major states like Bihar, Jharkhand and Maharashtra. Source : Adapted from <i>All India Report on Input Survey - 2006-07</i> , Deptt. of Agriculture & Cooperation (Agricultural Census Division) Ministry of Agriculture, Govt. of India.										

6.14 USAGE OF FERTILISERS BY MAJOR SIZE GROUPS FOR ALL CROPS - 2006-07											
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	17,956	94.2	126.3	50.1	23.6	200.1	134.0	53.2	25.1	212.3
	UI	17,633	52.6	45.4	22.5	10.3	78.3	86.3	42.8	19.6	148.7
	T	35,590	73.6	86.2	36.4	17.1	139.7	117.1	49.5	23.2	189.8
Small (1.0 - 1.99)	I	15,413	93.3	115.8	51.6	24.8	192.2	124.1	55.3	26.6	206.0
	UI	16,419	61.0	39.8	21.2	7.4	68.4	65.2	34.7	12.2	112.1
	T	31,832	76.6	76.6	35.9	15.8	128.3	99.9	46.9	20.7	167.5
Semi-Medium (2.0 - 3.99)	I	16,288	91.3	104.9	41.8	16.2	162.9	114.9	45.8	17.7	178.4
	UI	18,594	61.7	35.2	19.7	5.6	60.6	57.1	32.0	9.1	98.1
	T	34,882	75.5	67.8	30.0	10.5	108.3	89.7	39.8	13.9	143.4
Medium (4.0 - 9.99)	I	16,253	89.6	100.0	38.3	10.9	149.2	111.7	42.7	12.1	166.5
	UI	17,875	55.0	26.6	15.9	3.5	46.0	48.3	29.0	6.3	83.6
	T	34,128	71.5	61.6	26.6	7.0	95.1	86.1	37.2	9.8	133.1
Large (10.0 and above)	I	6,671	87.9	86.7	32.5	5.0	124.2	98.6	37.0	5.7	141.3
	UI	8,855	35.6	14.1	8.8	2.1	25.1	39.5	24.8	6.0	70.4
	T	15,526	58.1	45.3	19.0	3.4	67.6	78.0	32.7	5.8	116.5
All Groups	I	72,581	91.8	109.8	44.3	17.6	171.7	119.6	48.3	19.2	187.1
	UI	79,376	55.1	34.1	18.6	6.2	58.9	61.9	33.7	11.2	106.8
	T	151,958	72.6	70.3	30.9	11.6	112.8	96.7	42.5	16.0	155.3
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 - 2006-07											
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)		14,823	78.0	89.5	35.2	21.4	146.1	114.7	45.2	27.4	187.3
Small (1.0 - 1.99)		9,903	79.5	79.9	31.0	18.1	128.9	100.5	39.0	22.7	162.2
Semi-Medium (2.0 - 3.99)		9,341	78.9	77.8	27.4	16.2	121.4	98.6	34.7	20.5	153.8
Medium (4.0 - 9.99)		6,840	76.0	78.4	23.1	13.1	114.7	103.2	30.4	17.3	150.8
Large (10.0 and above)		2,302	77.4	71.0	19.7	5.5	96.2	91.7	25.5	7.2	124.4
All Groups		43,208	78.2	82.0	29.8	17.3	129.2	104.9	38.1	22.2	165.2
(Continued)											

6.15 USAGE OF FERTILISERS BY MAJOR SIZE GROUPS FOR SELECTED CROPS - 2006-07 (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)	6,319	94.3	133.7	47.6	11.8	193.2	141.8	50.5	12.5	204.7
Small (1.0 - 1.99)	5,040	92.1	110.4	41.7	9.3	161.3	119.8	45.3	10.0	175.1
Semi-Medium (2.0 - 3.99)	5,785	91.7	105.3	41.1	5.2	151.6	114.9	44.8	5.7	165.4
Medium (4.0 - 9.99)	5,856	91.0	107.2	42.1	2.9	152.2	117.7	46.2	3.2	167.1
Large (10.0 and above)	2,471	88.9	96.3	39.6	1.5	137.3	108.3	44.5	1.6	154.4
All Groups	25,471	92.0	112.9	42.9	6.8	162.6	122.7	46.6	7.3	176.7
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)	710	54.4	39.6	20.4	4.5	64.5	72.8	37.4	8.2	118.4
Small (1.0 - 1.99)	825	63.1	44.1	23.6	4.7	72.4	69.9	37.4	7.4	114.8
Semi-Medium (2.0 - 3.99)	1,032	67.9	41.0	23.0	3.8	67.8	60.4	33.8	5.6	99.8
Medium (4.0 - 9.99)	955	66.8	36.8	20.7	2.5	59.9	55.1	31.0	3.7	89.8
Large (10.0 and above)	296	69.4	39.0	22.6	1.7	63.3	56.2	32.5	2.5	91.2
All Groups	3,817	64.2	40.2	22.0	3.6	65.9	62.6	34.3	5.7	102.6
(Continued)										

6.15 USAGE OF FERTILISERS BY MAJOR SIZE GROUPS FOR SELECTED CROPS - 2006-07 (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)	982	60.4	33.0	7.4	2.0	42.5	54.7	12.3	3.3	70.3
Small (1.0 - 1.99)	1,265	61.2	29.6	6.3	0.7	36.7	48.4	10.4	1.2	59.9
Semi-Medium (2.0 - 3.99)	1,961	56.5	26.4	6.0	0.4	32.8	46.8	10.5	0.7	58.0
Medium (4.0 - 9.99)	2,749	42.9	17.3	3.7	0.3	21.3	40.3	8.6	0.7	49.5
Large (10.0 and above)	2,214	21.3	7.7	1.7	0.1	9.6	36.2	8.2	0.5	44.9
All Groups	9,172	45.0	20.3	4.5	0.5	25.3	45.2	9.9	1.1	56.2
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)	1,445	72.7	72.8	27.6	4.7	105.1	100.1	38.0	6.5	144.6
Small (1.0 - 1.99)	1,351	76.3	66.4	23.8	4.7	94.9	87.1	31.2	6.2	124.4
Semi-Medium (2.0 - 3.99)	1,459	76.4	61.2	22.9	2.7	86.8	80.2	30.0	3.6	113.7
Medium (4.0 - 9.99)	1,179	72.2	52.3	21.3	2.1	75.7	72.5	29.5	2.9	104.9
Large (10.0 and above)	293	61.6	45.9	17.0	2.0	65.0	74.5	27.6	3.2	105.4
All Groups	5,727	73.8	62.7	23.7	3.5	89.9	85.0	32.1	4.8	121.9
(Continued)										

6.15 USAGE OF FERTILISERS BY MAJOR SIZE GROUPS FOR SELECTED CROPS - 2006-07 (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)	544	43.3	41.5	32.6	10.7	84.7	95.8	75.2	24.6	195.6
Small (1.0 - 1.99)	746	56.2	26.5	25.3	3.8	55.7	47.3	45.1	6.8	99.1
Semi-Medium (2.0 - 3.99)	995	56.5	23.8	22.0	2.6	48.4	42.2	38.9	4.6	85.7
Medium (4.0 - 9.99)	1,227	54.4	17.9	19.6	1.3	38.8	33.0	36.0	2.4	71.4
Large (10.0 and above)	682	43.0	12.4	12.1	0.6	25.1	28.8	28.2	1.4	58.4
All Groups	4,195	51.9	23.0	21.6	3.2	47.8	44.4	41.7	6.1	92.1
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)	373	72.5	47.3	36.6	2.5	86.4	65.3	50.5	3.5	119.2
Small (1.0 - 1.99)	854	77.0	36.8	33.2	0.9	70.9	47.9	43.1	1.2	92.2
Semi-Medium (2.0 - 3.99)	1,262	78.1	34.3	30.8	0.8	65.9	43.8	39.4	1.0	84.3
Medium (4.0 - 9.99)	1,578	78.4	28.8	31.7	0.4	61.0	36.8	40.4	0.5	77.7
Large (10.0 and above)	638	74.6	22.4	26.8	0.40	49.6	30.1	35.9	0.5	66.5
All Groups	4,704	77.1	32.3	31.4	0.8	64.6	42.0	40.8	1.0	83.8
(Continued)										

6.15 USAGE OF FERTILISERS BY MAJOR SIZE GROUPS FOR SELECTED CROPS - 2006-07 (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)	935	97.9	162.5	65.0	23.9	251.3	166.0	66.4	24.4	256.8
Small (1.0 - 1.99)	885	97.9	156.5	60.3	33.8	250.6	159.8	61.6	34.5	255.9
Semi-Medium (2.0 - 3.99)	1,064	98.1	144.7	55.5	29.3	229.5	147.4	56.6	29.9	233.9
Medium (4.0 - 9.99)	1,036	98.7	131.1	46.3	29.0	206.3	132.7	46.9	29.3	208.9
Large (10.0 and above)	136	97.4	177.9	56.0	46.5	280.5	182.7	57.5	47.8	288.0
All Groups	4,056	98.2	149.0	56.4	29.5	234.9	151.8	57.5	30.1	239.3
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)	771	72.5	43.3	42.5	15.5	101.3	59.7	58.6	21.4	139.7
Small (1.0 - 1.99)	1,243	86.5	44.2	43.2	14.7	102.0	51.1	49.9	17.0	117.9
Semi-Medium (2.0 - 3.99)	1,464	88.4	40.7	41.1	9.9	91.7	46.0	46.5	11.2	103.7
Medium (4.0 - 9.99)	1,203	89.6	38.1	38.3	7.8	84.2	42.5	42.8	8.7	94.0
Large (10.0 and above)	361	90.0	36.0	30.6	12.0	78.5	40.0	34.0	13.3	87.3
All Groups	5,042	85.9	41.0	40.4	11.6	93.0	47.7	47.0	13.5	108.2
(Continued)										

6.15 USAGE OF FERTILISERS BY MAJOR SIZE GROUPS FOR SELECTED CROPS - 2006-07 (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)	2,815	64.3	46.8	31.2	13.3	91.3	72.7	48.5	20.7	141.9
Small (1.0 - 1.99)	4,007	76.2	45.1	33.8	9.6	88.5	59.2	44.4	12.5	116.1
Semi-Medium (2.0 - 3.99)	5,317	78.8	42.8	32.0	6.8	81.6	54.3	40.6	8.6	103.5
Medium (4.0 - 9.99)	5,727	80.1	40.6	30.4	4.1	75.1	50.7	38.0	5.2	93.8
Large (10.0 and above)	2,339	77.7	36.4	24.8	3.8	64.9	46.8	31.9	4.9	83.6
All Groups	20,206	76.5	42.4	31.0	7.1	80.5	55.5	40.5	9.3	105.3
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)	552	96.0	149.5	68.5	17.8	235.7	155.7	71.3	18.5	245.6
Small (1.0 - 1.99)	997	96.5	137.7	64.0	17.5	219.2	142.6	66.3	18.2	227.0
Semi-Medium (2.0 - 3.99)	1,418	95.9	120.1	51.7	18.7	190.6	125.2	53.9	19.5	198.6
Medium (4.0 - 9.99)	1,630	95.2	104.5	40.6	12.0	157.1	109.8	42.7	12.6	165.1
Large (10.0 and above)	599	90.8	95.9	30.7	3.0	129.7	105.7	33.8	3.3	142.9
All Groups	5,196	95.2	118.9	49.9	14.5	183.3	124.9	52.5	15.2	192.6
(Continued)										

6.15 USAGE OF FERTILISERS BY MAJOR SIZE GROUPS FOR SELECTED CROPS - 2006-07 (Continued)										
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)	366	88.3	46.1	25.0	18.4	89.5	52.3	28.3	20.8	101.4
Small (1.0 - 1.99)	150	83.3	42.1	23.5	17.9	83.5	50.5	28.3	21.5	100.3
Semi-Medium (2.0 - 3.99)	109	80.2	42.1	22.9	22.9	87.9	52.5	28.5	28.6	109.6
Medium (4.0 - 9.99)	29	63.9	28.3	16.9	9.9	55.1	44.3	26.4	15.6	86.3
Large (10.0 and above)	3	89.8	65.8	41.4	5.0	112.3	73.3	46.1	5.6	125.0
All Groups	658	84.7	43.8	24.0	18.6	86.5	51.8	28.4	21.9	102.0
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)	504	47.2	88.3	41.7	47.9	178.0	187.3	88.5	101.5	377.4
Small (1.0 - 1.99)	385	55.1	73.9	45.2	45.8	164.9	134.0	82.0	83.1	299.1
Semi-Medium (2.0 - 3.99)	382	50.2	72.6	39.9	48.0	160.6	144.6	79.5	95.6	319.7
Medium (4.0 - 9.99)	289	53.4	58.4	37.1	42.4	138.0	109.5	69.5	79.5	258.4
Large (10.0 and above)	107	52.4	42.0	25.5	25.3	92.8	80.2	48.7	48.2	177.1
All Groups	1,667	51.1	73.2	40.3	45.0	158.6	143.3	78.8	88.1	310.2
(Continued)										

6.15 USAGE OF FERTILISERS BY MAJOR SIZE GROUPS FOR SELECTED CROPS - 2006-07 (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)	785	77.6	103.9	90.8	59.1	253.7	133.9	117.0	76.1	327.0
Small (1.0 - 1.99)	1,140	90.5	136.5	117.1	85.7	339.4	150.9	129.4	94.7	375.0
Semi-Medium (2.0 - 3.99)	444	76.7	74.8	49.1	41.9	165.8	97.6	64.0	54.6	216.1
Medium (4.0 - 9.99)	322	74.1	73.6	49.3	20.8	143.7	99.3	66.5	28.0	193.8
Large (10.0 and above)	149	56.7	54.1	32.6	13.5	100.1	95.3	57.4	23.8	176.6
All Groups	2,839	81.1	106.4	87.1	60.3	253.8	131.1	107.3	74.3	312.8
Note: Survey was not conducted in some major states like Bihar, Jharkhand and Maharashtra. Source : Adapted from <i>All India Report on Input Survey - 2006-07</i> , Deptt. of Agriculture & Cooperation (Agricultural Census Division) Ministry of Agriculture, Govt. of India.										

**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P₂O₅ AND K₂O
2014-15 (April-March)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total
I. East Zone												
Assam												
1 . Baksa	462	149	283	894	184	199	208	590	646	347	491	1,484
2 . Barpeta	6,253	2,588	2,982	11,823	7,355	2,937	1,129	11,422	13,608	5,526	4,111	23,245
3 . Bongaigaon	3,063	754	1,735	5,552	2,355	967	1,084	4,406	5,417	1,721	2,819	9,958
4 . Cachar	2,047	436	617	3,099	2,735	607	539	3,881	4,782	1,043	1,156	6,980
5 . Cirangh	272	132	193	598	236	130	295	660	508	262	488	1,258
6 . Darrang	8,816	1,655	5,948	16,419	9,822	2,694	2,937	15,453	18,638	4,349	8,886	31,872
7 . Dhamaji	274	780	749	1,803	244	680	2,081	3,005	518	1,460	2,830	4,808
8 . Dhubri	6,933	1,879	3,886	12,699	6,841	2,820	1,982	11,643	13,774	4,700	5,868	24,342
9 . Dibrugarh	2,407	619	879	3,904	2,123	664	1,814	4,601	4,529	1,283	2,693	8,506
# . Goalpara	3,036	872	1,892	5,800	3,255	979	645	4,878	6,291	1,852	2,536	10,679
# . Golaghat	1,312	569	873	2,754	1,989	484	1,619	4,092	3,301	1,053	2,492	6,846
# . Hailakandi	719	195	647	1,561	987	266	218	1,471	1,706	461	865	3,033
# . Jorhat	2,253	614	876	3,743	3,045	727	4,116	7,888	5,299	1,341	4,992	11,631
# . K. Anglang	299	161	365	825	429	133	286	847	728	294	652	1,673
# . Kamrup	6,815	2,071	2,926	11,812	9,270	2,303	3,842	15,415	16,085	4,374	6,767	27,227
# . Karimganj	1,118	418	767	2,303	948	513	589	2,051	2,067	932	1,356	4,354
# . Kokrajhar	1,929	614	1,857	4,399	2,660	1,801	1,882	6,343	4,589	2,415	3,738	10,742
# . Lakhimpur	560	733	727	2,020	965	592	589	2,147	1,526	1,325	1,316	4,167
# . Morigaon	2,750	1,979	1,961	6,690	2,274	820	1,934	5,028	5,024	2,798	3,896	11,718
# . N.C.Hills	177	103	267	547	260	60	187	506	437	163	453	1,053
# . Nagaon	8,805	1,838	4,121	14,764	11,994	2,714	4,489	19,197	20,799	4,553	8,610	33,961
# . Nalbari	5,655	1,014	1,774	8,443	4,910	1,124	2,758	8,792	10,565	2,138	4,532	17,234
# . Sibsagar	2,000	849	878	3,726	4,007	598	1,814	6,420	6,007	1,447	2,692	10,146
# . Sonitpur	2,211	1,025	1,489	4,725	2,359	1,531	1,883	5,772	4,570	2,556	3,372	10,498
# . Tinsukia	1,727	761	799	3,287	1,942	610	1,265	3,818	3,669	1,371	2,064	7,105
# . Udalguri	573	175	389	1,136	259	247	273	778	831	422	661	1,914
Total	72,466	22,984	39,878	135,328	83,449	27,200	40,457	151,106	155,915	50,184	80,335	286,434
Bihar												
1 . Araria	13,150	2,740	2,673	18,563	19,123	6,002	4,367	29,493	32,274	8,742	7,041	48,057
2 . Arwal	5,483	991	229	6,704	6,112	762	81	6,955	11,595	1,754	310	13,659
3 . Aurangabad	14,098	3,431	412	17,941	13,967	2,541	430	16,938	28,065	5,973	841	34,879
4 . Banka	9,172	1,426	768	11,366	10,279	1,819	855	12,953	19,451	3,245	1,623	24,318
5 . Begusarai	11,302	3,323	2,404	17,029	20,105	8,991	3,425	32,521	31,406	12,314	5,829	49,550
6 . Bhabua	11,800	2,753	390	14,943	12,112	2,821	667	15,600	23,912	5,574	1,057	30,543

(Continued)

**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P₂O₅ AND K₂O
2014-15 (April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total
I. East Zone (Continued)												
Bihar (Concluded)												
7 . Bhagalpur	15,778	1,815	2,581	20,174	20,457	4,188	3,099	27,743	36,235	6,002	5,679	47,917
8 . Bhojpur	17,837	2,374	402	20,613	18,091	4,001	583	22,675	35,927	6,376	985	43,288
9 . Buxar	9,834	1,240	163	11,237	11,689	2,936	493	15,118	21,522	4,176	656	26,354
# . Darbhanga	8,574	1,728	466	10,768	14,577	6,304	2,433	23,314	23,150	8,033	2,899	34,082
# . E.Champaran	22,097	4,914	1,812	28,824	24,545	8,233	3,354	36,131	46,642	13,147	5,166	64,955
# . Gaya	15,676	4,110	860	20,646	13,149	2,821	348	16,319	28,825	6,931	1,208	36,964
# . Gopalganj	5,238	524	195	5,957	6,772	1,227	320	8,320	12,010	1,752	516	14,278
# . Jamui	12,613	1,914	201	14,728	14,259	2,414	480	17,153	26,872	4,328	681	31,881
# . Jehanabad	6,934	727	109	7,770	6,665	698	123	7,486	13,599	1,424	232	15,256
# . Katihar	14,022	2,104	2,362	18,488	22,071	6,245	4,664	32,980	36,093	8,349	7,026	51,468
# . Khagaria	9,805	1,194	1,193	12,192	21,637	7,296	4,945	33,878	31,442	8,490	6,138	46,070
# . Kisanganj	3,170	598	240	4,009	6,618	1,308	388	8,314	9,789	1,906	628	12,323
# . Lakhisarai	3,259	880	184	4,323	4,290	1,062	259	5,611	7,549	1,942	443	9,934
# . Madhepura	7,933	1,516	1,778	11,227	17,297	4,695	3,561	25,553	25,230	6,210	5,340	36,780
# . Madhubani	8,563	1,732	626	10,921	11,278	4,292	1,602	17,173	19,841	6,024	2,228	28,094
# . Mujaffarpur	15,515	2,545	2,054	20,115	24,162	6,773	2,656	33,591	39,678	9,318	4,710	53,706
# . Munger	3,313	623	323	4,259	4,686	515	366	5,567	7,999	1,138	689	9,826
# . Nalanda	19,230	4,432	876	24,537	19,124	5,870	1,178	26,172	38,353	10,302	2,053	50,709
# . Nawadah	6,998	1,037	186	8,220	7,308	1,115	179	8,601	14,306	2,151	364	16,822
# . Patna	16,851	3,597	817	21,265	21,471	5,684	896	28,051	38,322	9,281	1,712	49,316
# . Purnea	22,665	5,568	3,686	31,919	30,676	11,025	8,611	50,312	53,341	16,594	12,297	82,231
# . Rohtas	24,038	6,639	1,450	32,128	25,134	5,481	1,949	32,565	49,173	12,120	3,400	64,693
# . Saharsa	5,545	859	637	7,041	12,931	3,398	2,898	19,227	18,476	4,257	3,534	26,267
# . Samastipur	14,079	2,425	2,093	18,597	24,798	7,304	3,396	35,498	38,877	9,729	5,489	54,095
# . Saran	11,003	2,091	647	13,741	15,300	3,874	1,624	20,798	26,302	5,966	2,271	34,539
# . Sheikhpura	5,967	818	111	6,896	6,802	884	110	7,796	12,769	1,702	222	14,692
# . Sheohar	1,575	213	102	1,890	2,410	458	191	3,059	3,985	671	293	4,949
# . Sitamarhi	10,287	1,585	807	12,679	11,369	3,486	1,780	16,635	21,656	5,071	2,587	29,314
# . Siwan	8,365	1,221	410	9,996	11,594	2,414	729	14,737	19,959	3,635	1,139	24,733
# . Supaul	4,278	1,116	1,228	6,622	10,075	3,237	2,194	15,505	14,353	4,352	3,422	22,127
# . Vaishali	11,980	1,752	1,487	15,218	21,551	4,175	2,340	28,066	33,531	5,927	3,826	43,284
# . W.Champaran	25,094	3,799	2,412	31,305	22,307	6,406	4,223	32,936	47,402	10,205	6,635	64,241
Total	433,121	82,355	39,374	554,850	566,791	152,757	71,794	791,343	999,913	235,112	111,168	1,346,193

(Continued)

**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P₂O₅ AND K₂O
2014-15 (April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total
I. East Zone (Continued)												
Jharkhand												
1 . Bokaro	312	29	4	346	77	9	-	86	389	39	4	432
2 . Chatra	1,546	214	26	1,787	846	31	5	882	2,392	244	31	2,668
3 . Deoghar	10,386	2,836	582	13,804	8,988	3,274	506	12,769	19,374	6,110	1,088	26,573
4 . Dhanbad	60	18	-	79	106	-	-	106	166	18	-	185
5 . Dumka	3,308	599	73	3,980	2,334	275	2	2,610	5,642	873	75	6,590
6 . Garhwa	1,574	140	25	1,739	1,604	-	-	1,604	3,178	140	25	3,343
7 . Giridih	1,211	189	30	1,430	958	29	10	997	2,169	219	40	2,428
8 . Godda	1,565	301	67	1,933	1,482	130	-	1,612	3,047	430	67	3,545
9 . Gumla	1,954	242	28	2,224	666	37	15	718	2,620	279	43	2,942
# Hazaribagh	3,813	560	104	4,478	2,048	128	4	2,179	5,861	688	108	6,657
# Jamtara	570	-	-	570	659	9	-	667	1,229	9	-	1,238
# Khunti	1,087	111	13	1,211	305	14	-	318	1,391	125	13	1,529
# Koderma	2,367	98	17	2,481	1,732	14	-	1,746	4,098	112	17	4,227
# Latehar	1,207	243	28	1,478	1,324	16	16	1,356	2,532	259	44	2,834
# Lohardaga	4,102	1,318	206	5,626	1,773	48	30	1,851	5,875	1,365	236	7,476
# Pakur	756	4	-	760	181	9	-	190	937	13	-	950
# Palamu	1,961	226	60	2,248	2,444	8	-	2,452	4,405	234	60	4,699
# Ramgarh	1,385	154	3	1,543	366	9	-	375	1,751	163	3	1,917
# Ranchi	11,508	5,855	729	18,092	5,640	1,960	645	8,245	17,148	7,815	1,374	26,337
# Sahebganj	2,282	38	-	2,319	1,604	69	-	1,673	3,886	107	-	3,993
# Saraikela	430	15	1	445	110	-	-	110	540	15	1	556
# Simdega	577	12	1	590	208	3	-	211	785	15	1	801
# Singhbhum(E)	900	106	10	1,016	313	8	-	320	1,213	114	10	1,336
# Singhbhum(W)	825	193	3	1,020	347	5	-	352	1,172	197	3	1,372
Total	55,685	13,502	2,011	71,197	36,114	6,083	1,232	43,429	91,799	19,584	3,244	114,627
Odisha												
1 . Angul	2,612	1,526	553	4,691	1,868	1,083	298	3,249	4,480	2,609	851	7,940
2 . Balangir	14,532	5,676	2,979	23,187	10,608	5,563	1,607	17,778	25,140	11,239	4,586	40,965
3 . Baleswar	17,814	8,692	4,253	30,759	14,926	7,854	3,832	26,612	32,740	16,546	8,085	57,371
4 . Bargarh	10,818	5,105	2,022	17,945	4,650	1,512	658	6,820	15,468	6,617	2,680	24,765
5 . Bhadrak	9,695	3,776	2,231	15,702	1,848	1,618	534	4,000	11,543	5,394	2,765	19,702
6 . Boudh	3,543	1,463	475	5,481	638	259	145	1,042	4,181	1,722	620	6,523
7 . Cuttack	5,819	1,488	1,370	8,677	5,551	1,391	776	7,718	11,370	2,879	2,146	16,395
8 . Deogarh	1,780	858	345	2,983	468	257	75	800	2,248	1,115	420	3,783

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**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P₂O₅ AND K₂O
2014-15 (April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total
I. East Zone (Continued)												
Odisha (Concluded)												
9 . Dhenkanal	3,567	1,394	623	5,584	1,278	579	262	2,119	4,845	1,973	885	7,703
# . Gajapati	2,187	1,148	303	3,638	341	141	31	513	2,528	1,289	334	4,151
# . Ganjam	17,487	3,237	1,933	22,657	7,937	1,061	600	9,598	25,424	4,298	2,533	32,255
# . Jagatsingpur	3,081	1,734	895	5,710	2,281	1,284	558	4,123	5,362	3,018	1,453	9,833
# . Jajpur	5,193	2,056	1,008	8,257	3,334	1,243	799	5,376	8,527	3,299	1,807	13,633
# . Jharsuguda	4,622	1,738	485	6,845	1,093	397	186	1,676	5,715	2,135	671	8,521
# . Kalahandi	14,158	6,028	3,276	23,462	7,551	3,107	1,171	11,829	21,709	9,135	4,447	35,291
# . Kandhamal	458	265	143	866	299	153	58	510	757	418	201	1,376
# . Kendrapara	2,978	1,465	329	4,772	1,398	428	279	2,105	4,376	1,893	608	6,877
# . Kendujhar	6,999	3,690	1,079	11,768	1,479	1,081	358	2,918	8,478	4,771	1,437	14,686
# . Khordha	3,553	1,007	587	5,147	2,632	762	580	3,974	6,185	1,769	1,167	9,121
# . Koraput	7,776	2,484	2,245	12,505	1,949	1,448	650	4,047	9,725	3,932	2,895	16,552
# . Malkangiri	3,567	1,262	404	5,233	320	349	81	750	3,887	1,611	485	5,983
# . Mayurbhanja	9,901	4,155	1,839	15,895	4,063	1,954	474	6,491	13,964	6,109	2,313	22,386
# . Nabarangpur	22,472	6,451	4,911	33,834	1,836	1,307	396	3,539	24,308	7,758	5,307	37,373
# . Nayagarh	3,144	571	235	3,950	1,116	245	159	1,520	4,260	816	394	5,470
# . Nuapada	4,574	2,502	765	7,841	1,545	497	105	2,147	6,119	2,999	870	9,988
# . Puri	3,912	1,316	625	5,853	4,702	1,776	1,401	7,879	8,614	3,092	2,026	13,732
# . Raygada	7,876	2,829	1,334	12,039	553	163	222	938	8,429	2,992	1,556	12,977
# . Sambalpur	12,427	5,157	2,161	19,745	7,503	2,943	1,198	11,644	19,930	8,100	3,359	31,389
# . Subarnapur	3,868	1,760	551	6,179	2,340	1,166	538	4,044	6,208	2,926	1,089	10,223
# . Sundargarh	6,374	3,137	1,067	10,578	1,174	634	183	1,991	7,548	3,771	1,250	12,569
Total	216,787	83,970	41,026	341,783	97,281	42,255	18,214	157,750	314,068	126,225	59,240	499,533
West Bengal												
1 . Bankura	16,521	12,279	10,286	39,085	18,927	10,033	7,601	36,561	35,448	22,312	17,887	75,646
2 . Bardhaman	32,756	22,095	16,469	71,320	49,046	26,304	21,652	97,002	81,802	48,398	38,121	168,322
3 . Birbhum	23,372	10,766	8,034	42,172	25,224	9,130	7,817	42,171	48,596	19,896	15,851	84,343
4 . Coochbehar	5,930	4,539	2,670	13,139	12,581	7,131	5,006	24,717	18,511	11,669	7,676	37,856
5 . Darjeeling	-	-	-	-	-	-	-	-	-	-	-	-
6 . East Midnapore	13,669	8,817	6,315	28,801	22,971	16,625	11,117	50,713	36,641	25,442	17,432	79,515
7 . Hooghly	20,748	18,094	16,733	55,575	34,105	23,650	21,563	79,318	54,853	41,744	38,296	134,893
8 . Howrah	4,237	2,452	1,925	8,615	7,212	4,835	3,735	15,782	11,449	7,287	5,660	24,396

(Continued)

**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P₂O₅ AND K₂O
2014-15 (April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total
I. East Zone (Continued)												
West Bengal (Concluded)												
9 . Jalpaiguri	29,743	8,046	12,411	50,199	32,063	14,652	14,862	61,577	61,806	22,698	27,272	111,776
# . Malda	22,924	7,765	7,063	37,752	36,274	15,376	10,349	62,000	59,198	23,141	17,413	99,752
# . Murshidabad	33,872	13,176	9,038	56,085	42,077	15,389	9,731	67,197	75,948	28,565	18,769	123,282
# . Nadia	25,985	9,034	8,802	43,821	28,918	11,005	6,786	46,709	54,903	20,039	15,588	90,531
# . North24-Parganas	20,104	7,853	7,407	35,364	25,542	9,485	7,952	42,979	45,647	17,338	15,359	78,343
# . North Dinajpur	21,947	8,730	9,391	40,069	26,695	13,838	11,882	52,416	48,643	22,568	21,274	92,485
# . Purulia	5,170	1,963	1,038	8,172	1,542	1,206	1,156	3,903	6,712	3,169	2,194	12,075
# . South24-Parganas	11,827	6,719	4,314	22,860	16,195	10,899	5,927	33,021	28,021	17,618	10,242	55,881
# . South Dinajpur	13,029	5,874	5,969	24,871	16,998	8,709	9,055	34,762	30,027	14,583	15,023	59,633
# . West Midnapore	20,934	17,506	14,635	53,075	37,705	26,844	20,548	85,097	58,639	44,350	35,183	138,173
Total	322,768	165,706	142,502	630,976	434,077	225,110	176,739	835,926	756,845	390,817	319,241	1,466,902
Manipur												
1 . Bishnupur	2,104	386	366	2,856	394	159	150	703	2,498	545	516	3,559
2 . Chandel	71	5	-	76	14	-	-	14	85	5	-	90
3 . Churachandpur	119	9	-	128	25	6	-	31	144	15	-	159
4 . Imphal East	2,095	339	312	2,746	303	91	90	484	2,398	430	402	3,230
5 . Imphal West	1,994	316	318	2,628	331	107	120	558	2,325	423	438	3,186
6 . Senapati	242	32	-	274	31	10	-	41	273	42	-	315
7 . Tamenglong	69	-	-	69	8	-	-	8	77	-	-	77
8 . Thoubal	2,701	489	420	3,610	434	192	168	794	3,135	681	588	4,404
9 . Ukhrul	71	5	-	76	8	-	-	8	79	5	-	84
Total	9,466	1,581	1,416	12,463	1,548	565	528	2,641	11,014	2,146	1,944	15,104
Meghalaya												
1 . East Garo Hills	35	31	18	84	4	-	-	4	39	31	18	88
2 . East Khasi Hills	832	178	198	1,208	110	10	-	120	942	188	198	1,328
3 . Jaintia Hills	237	100	48	385	3	-	-	3	240	100	48	388
4 . Ri-Bhoi	15	3	9	27	-	-	-	-	15	3	9	27
5 . South Garo Hills	23	10	6	39	-	-	-	-	23	10	6	39
6 . West Garo Hills	35	6	13	54	10	3	1	14	45	9	14	68
7 . West Khasi Hills	88	34	22	144	1	-	-	1	89	34	22	145
Total	1,265	362	314	1,941	128	13	1	142	1,393	375	315	2,083
Tripura												
1 . Dhalai	296	156	74	526	353	120	134	608	649	276	208	1,134
2 . North	627	368	331	1,326	408	225	163	796	1,035	593	495	2,122
3 . South	917	601	495	2,013	1,435	779	612	2,826	2,352	1,381	1,107	4,840
4 . West	2,228	2,147	962	5,337	2,318	2,237	1,156	5,712	4,547	4,384	2,118	11,049
Total	4,068	3,272	1,862	9,202	4,514	3,362	2,066	9,942	8,583	6,634	3,928	19,144

(Continued)

**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P₂O₅ AND K₂O
2014-15 (April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total
I. East Zone (Concluded)												
Mizoram												
1 . Aizawl	354	17	50	421	87	-	-	87	441	17	50	508
2 . Champhai	472	21	68	561	86	-	-	86	558	21	68	647
3 . Kolasib	236	21	34	291	86	-	-	86	322	21	34	377
4 . Lawngtlai	118	6	17	141	86	-	-	86	204	6	17	227
5 . Lunglei	236	11	34	281	87	-	-	87	323	11	34	368
6 . Mamit	117	6	17	140	86	-	-	86	203	6	17	226
7 . Saiha	118	6	17	141	86	-	-	86	204	6	17	227
8 . Serchhip	235	10	34	279	86	-	-	86	321	10	34	365
Total	1,886	98	271	2,255	690	-	-	690	2,576	98	271	2,945
Nagaland												
1 . Dimapur	286	117	103	507	389	175	126	690	675	293	230	1,197
2 . Kiphire	12	12	5	29	12	13	7	32	24	25	12	61
3 . Kohima	23	37.1	12	71	38	40.4	12	90	61	78	23	162
4 . Longleng	11	11.0	5	27	13	13.0	7	33	24	24	12	60
5 . Mokokchung	27	46.3	24	98	36	27.0	14	77	63	73	39	175
6 . Mon	210	78.7	33	322	32	24.5	15	72	242	103	48	394
7 . Peren	16	13	6	35	26	24	12	61	42	36	18	96
8 . Phek	32	41	26	99	24	23	9	56	56	64	35	155
9 . Tuensang	13	17.8	12	44	22	17	8	47	35	35	21	91
# . Wokha	28	15	16	60	26	20	13	59	54	36	29	118
# . Zunheboto	27	14	11	52	22	16	6	44	49	30	17	96
Total	686	404	255	1,344	638	393	229	1,260	1,324	796	484	2,604
II. North Zone												
Haryana												
1 . Ambala	16,961	3,805	755	21,521	17,333	4,550	988	22,871	34,294	8,354	1,743	44,392
2 . Bhiwani	16,759	5,642	785	23,186	33,547	10,415	655	44,616	50,306	16,057	1,440	67,803
3 . Faridabad	2,721	419	27	3,167	3,905	767	111	4,784	6,626	1,187	138	7,951
4 . Fatehabad	32,388	9,161	1,776	43,325	44,012	10,258	1,256	55,526	76,401	19,419	3,031	98,851
5 . Gurgaon	3,202	1,507	267	4,976	6,204	2,551	181	8,936	9,406	4,058	448	13,912
6 . Hisar	27,902	8,860	1,841	38,603	44,107	13,520	1,048	58,675	72,009	22,380	2,888	97,277
7 . Jhajjar	6,538	3,479	172	10,189	11,271	2,405	204	13,881	17,809	5,885	376	24,070
8 . Jind	33,821	8,265	2,179	44,264	48,929	9,248	1,380	59,558	82,749	17,513	3,559	103,822
9 . Kaithal	34,344	6,815	874	42,033	43,639	7,898	730	52,268	77,984	14,713	1,604	94,301
# . Karnal	39,141	7,033	1,509	47,683	50,211	13,901	1,386	65,498	89,352	20,934	2,895	113,181
# . Kurukshetra	31,900	7,661	1,781	41,342	39,504	7,033	1,006	47,543	71,404	14,694	2,788	88,885

(Continued)

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**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P₂O₅ AND K₂O
2014-15 (April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total
II. North Zone (Continued)												
Haryana (Concluded)												
# . Mahendragarh	11,247	5,538	507	17,292	13,378	511	358	14,247	24,625	6,049	865	31,539
# . Mewat	7,221	3,459	591	11,271	8,613	468	302	9,383	15,833	3,927	893	20,653
# . Palwal	17,249	6,159	1,506	24,913	26,069	9,091	1,140	36,300	43,318	15,250	2,646	61,214
# . Panchkula	1,891	544	44	2,479	1,595	344	19	1,958	3,486	888	63	4,437
# . Panipat	20,116	2,144	467	22,728	21,975	4,345	214	26,533	42,091	6,489	681	49,261
# . Rewari	11,938	4,673	973	17,583	20,732	5,382	230	26,344	32,670	10,055	1,202	43,927
# . Rohtak	14,029	4,373	263	18,665	21,855	4,408	282	26,544	35,883	8,781	545	45,210
# . Sirsa	42,478	10,275	2,372	55,124	72,004	20,969	986	93,959	114,481	31,244	3,358	149,083
# . Sonapat	23,846	4,575	1,283	29,705	36,455	9,354	432	46,240	60,301	13,929	1,715	75,945
# . Yamuna Nagar	25,166	6,365	1,829	33,360	27,090	5,494	1,492	34,077	52,256	11,860	3,321	67,437
Total	420,857	110,752	21,800	553,408	592,426	142,912	14,401	749,739	1,013,283	253,664	36,200	1,303,148
Himachal Pradesh												
1 . Bilaspur	1,286	13	7	1,306	851	86	44	981	2,137	99	51	2,287
2 . Chamba	801	13	8	822	297	85	69	451	1,098	98	77	1,273
3 . Hamirpur	1,638	28	15	1,681	638	99	50	787	2,276	127	65	2,468
4 . Kangra	2,971	205	107	3,283	4,031	1,264	644	5,939	7,002	1,469	751	9,222
5 . Kinnaur	27	20	13	60	61	55	69	185	88	75	82	245
6 . Kullu	759	201	142	1,102	1,040	863	1,409	3,312	1,799	1,064	1,551	4,414
7 . Lahul Spiti	56	23	15	94	106	158	95	359	162	181	110	453
8 . Mandi	2,351	160	86	2,597	2,147	685	573	3,405	4,498	845	659	6,002
9 . Shimla	1,088	281	352	1,721	1,974	2,471	4,834	9,279	3,062	2,752	5,186	11,000
# . Sirmaur	1,805	186	93	2,084	1,629	328	184	2,141	3,434	514	277	4,225
# . Solan	1,673	108	59	1,840	1,622	215	121	1,958	3,295	323	180	3,798
# . Una	2,413	244	141	2,798	3,773	722	375	4,870	6,186	966	516	7,668
Total	16,868	1,482	1,038	19,388	18,169	7,031	8,467	33,667	35,037	8,513	9,505	53,055
Jammu & Kashmir												
1 . Anantnag	4,498	1,624	400	6,522	4,165	2,892	2,812	9,869	8,663	4,517	3,212	16,391
2 . Bandipora	296	127	74	497	181	88	116	384	476	215	190	881
3 . Baramulla	1,935	939	358	3,232	1,949	1,101	1,691	4,741	3,884	2,040	2,049	7,974
4 . Budgam	3,902	1,776	362	6,040	3,662	2,091	2,492	8,244	7,564	3,866	2,853	14,284
5 . Doda	681	37	-	718	219	19	13	251	900	56	13	969
6 . Ganderbal	560	233	95	888	490	238	158	886	1,050	471	253	1,773
7 . Jammu	3,808	1,597	43	5,448	6,031	3,028	164	9,224	9,839	4,625	208	14,672
8 . Kargil	290	77	-	366	2	-	20	22	292	77	20	388
9 . Kathua	2,039	936	51	3,026	3,702	1,586	81	5,369	5,740	2,523	132	8,395

(Continued)

**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P₂O₅ AND K₂O
2014-15 (April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total
II. North Zone (Continued)												
Jammu & Kashmir (Concluded)												
# . Kishtwar	72	4	-	76	103	8	5	116	175	12	5	192
# . Kulgam	2,467	1,336	638	4,441	2,037	1,701	1,509	5,247	4,504	3,037	2,147	9,688
# . Kupwara	2,948	765	237	3,950	443	394	348	1,186	3,391	1,160	585	5,136
# . Leh	237	136	-	373	1	-	6	7	238	136	6	380
# . Poonch	1,346	164	12	1,522	933	89	4	1,027	2,279	254	16	2,548
# . Pulwama	2,400	1,022	507	3,929	2,675	1,467	1,390	5,532	5,074	2,490	1,897	9,461
# . Rajouri	1,995	254	-	2,249	945	357	8	1,311	2,940	611	8	3,560
# . Ramban	370	4	-	374	112	11	2	125	482	15	2	499
# . Reasi	433	58	-	491	301	104	-	405	734	161	-	895
# . Samba	1,024	405	9	1,437	1,462	807	7	2,276	2,485	1,212	16	3,713
# . Shopian	1,524	729	438	2,691	1,121	824	969	2,914	2,645	1,553	1,407	5,605
# . Srinagar	179	128	30	337	125	34	56	216	304	162	86	553
# . Udhampur	652	200	15	867	710	534	6	1,251	1,362	735	21	2,118
Total	33,654	12,551	3,268	49,473	31,367	17,375	11,859	60,601	65,021	29,926	15,127	110,073
Punjab												
1 . Amritsar	36,268	10,756	2,340	49,364	41,136	16,435	946	58,517	77,404	27,191	3,286	107,881
2 . Barnala	19,550	5,610	240	25,400	23,026	8,902	669	32,597	42,576	14,512	909	57,997
3 . Bathinda	39,420	7,220	2,196	48,836	43,947	11,684	773	56,404	83,367	18,904	2,969	105,240
4 . Faridkot	19,732	4,901	570	25,203	23,212	8,202	773	32,187	42,944	13,102	1,343	57,390
5 . Fatehgarh Sahib	16,570	5,049	1,200	22,819	19,819	7,986	669	28,473	36,389	13,034	1,869	51,293
6 . Ferozepur	40,024	10,322	1,140	51,486	45,482	17,206	669	63,358	85,506	27,528	1,809	114,844
7 . Gurdaspur	41,183	6,293	1,060	48,536	45,449	9,875	669	55,993	86,631	16,168	1,729	104,529
8 . Hoshiarpur	23,301	8,969	1,812	34,082	27,454	14,210	773	42,437	50,755	23,179	2,585	76,519
9 . Jalandhar	33,850	11,656	1,725	47,231	38,983	18,187	669	57,839	72,833	29,843	2,394	105,070
# . Kapurthala	22,142	3,938	900	26,980	25,296	6,192	669	32,157	47,438	10,130	1,569	59,137
# . Ludhiana	73,850	9,524	648	84,022	79,944	15,283	685	95,913	153,794	24,807	1,333	179,935
# . Mansa	26,072	2,882	2,296	31,250	29,076	4,396	669	34,142	55,148	7,278	2,965	65,392
# . Moga	37,844	6,524	3,112	47,480	42,035	10,222	733	52,990	79,879	16,746	3,845	100,470
# . Patiala	58,916	2,008	911	61,834	62,765	2,946	671	66,383	121,681	4,954	1,582	128,217
# . Rupnagar	11,677	4,540	303	16,520	14,615	6,808	697	22,121	26,292	11,348	1,001	38,640
# . S B S Nagar	12,674	3,322	514	16,510	15,377	5,078	686	21,141	28,051	8,400	1,200	37,651
# . Sangrur	47,627	10,460	719	58,806	52,963	16,121	669	69,753	100,590	26,581	1,388	128,559
# . SAS Nagar Mohali	8,454	2,368	480	11,302	10,880	3,829	669	15,378	19,334	6,197	1,149	26,680
# . Shri Muktsar Sahet	37,216	6,061	360	43,637	41,386	9,563	670	51,619	78,602	15,624	1,030	95,256
# . Taran Taran	29,691	4,817	954	35,462	33,230	7,643	669	41,542	62,921	12,460	1,623	77,004
Total	636,060	127,220	23,480	786,760	716,074	200,767	14,102	930,943	1,352,134	327,987	37,582	1,717,703

(Continued)

**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P₂O₅ AND K₂O
2014-15 (April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total
II. North Zone (Continued)												
Uttar Pradesh												
1 . Agra	20,446	5,405	972	26,824	30,620	9,399	2,072	42,091	51,066	14,805	3,044	68,915
2 . Aligarh	31,232	8,257	1,486	40,974	33,884	10,401	2,293	46,578	65,116	18,658	3,778	87,552
3 . Allahabad	22,224	5,875	1,057	29,157	30,626	9,401	2,072	42,099	52,850	15,277	3,129	71,256
4 . Ambedkar Nagar	14,395	3,806	685	18,886	18,457	5,666	1,249	25,371	32,852	9,471	1,934	44,257
5 . Amethi	19,024	5,029	905	24,958	16,965	5,208	1,148	23,321	35,989	10,237	2,053	48,279
6 . Amroha	12,590	3,328	599	16,518	20,916	6,420	1,415	28,752	33,506	9,749	2,014	45,269
7 . Auraiya	11,162	2,951	531	14,644	15,157	4,653	1,026	20,835	26,319	7,604	1,557	35,479
8 . Azamgarh	26,979	7,132	1,283	35,395	32,554	9,993	2,203	44,750	59,533	17,125	3,486	80,145
9 . Badaun	33,050	8,737	1,572	43,360	42,394	13,014	2,869	58,276	75,444	21,751	4,441	101,636
# . Bagpat	8,952	2,367	426	11,744	16,060	4,930	1,087	22,077	25,012	7,296	1,513	33,821
# . Bahraich	29,127	7,700	1,385	38,213	32,342	9,928	2,189	44,458	61,469	17,628	3,574	82,671
# . Ballia	16,972	4,487	807	22,266	22,338	6,857	1,512	30,706	39,309	11,344	2,319	52,972
# . Balrampur	19,112	5,053	909	25,073	24,823	7,620	1,680	34,123	43,935	12,672	2,589	59,196
# . Banda	15,110	3,995	719	19,823	33,508	10,286	2,267	46,061	48,618	14,281	2,986	65,885
# . Barabanki	23,850	6,305	1,134	31,290	32,475	9,969	2,198	44,641	56,325	16,274	3,332	75,931
# . Bareilly	29,472	7,791	1,402	38,665	39,451	12,110	2,670	54,231	68,923	19,902	4,071	92,896
# . Basti	16,616	4,393	790	21,799	22,843	7,012	1,546	31,401	39,459	11,405	2,336	53,200
# . Bijnor	29,226	7,726	1,390	38,342	43,272	13,283	2,928	59,483	72,497	21,009	4,318	97,825
# . Bulandshahar	23,066	6,098	1,097	30,261	33,376	10,245	2,258	45,879	56,442	16,343	3,356	76,140
# . Chandauli	12,768	3,375	607	16,751	12,931	3,969	875	17,776	25,699	7,345	1,482	34,526
# . Chitrakoot	7,294	1,928	347	9,569	13,947	4,281	944	19,173	21,242	6,210	1,291	28,742
# . Deoria	16,888	4,465	803	22,156	19,444	5,969	1,316	26,729	36,332	10,433	2,119	48,885
# . Etah	16,052	4,243	763	21,058	20,882	6,410	1,413	28,705	36,933	10,654	2,176	49,763
# . Etawah	10,671	2,821	508	14,000	14,972	4,596	1,013	20,580	25,643	7,417	1,521	34,580
# . Faizabad	15,515	4,102	738	20,354	21,049	6,461	1,424	28,934	36,564	10,563	2,162	49,289
# . Farrukhabad	8,821	2,332	420	11,573	15,392	4,725	1,042	21,159	24,213	7,057	1,461	32,732
# . Fatehpur	22,773	6,021	1,083	29,877	29,807	9,150	2,017	40,974	52,581	15,170	3,100	70,851
# . Firozabad	11,324	2,994	539	14,856	19,848	6,093	1,343	27,284	31,172	9,086	1,882	42,140
# . Gautambudh Nagar	3,187	842	152	4,181	7,443	2,285	504	10,231	10,630	3,127	655	14,412
# . Ghaziabad	3,537	935	168	4,641	7,777	2,387	526	10,690	11,314	3,322	694	15,331
# . Ghazipur	19,901	5,261	947	26,109	25,602	7,859	1,732	35,193	45,503	13,120	2,679	61,302
# . Gonda	27,446	7,256	1,305	36,007	31,182	9,572	2,110	42,864	58,628	16,828	3,415	78,872
# . Gorakhpur	17,833	4,714	848	23,395	24,091	7,395	1,630	33,117	41,924	12,110	2,478	56,512
# . Hamirpur	13,722	3,628	653	18,002	28,861	8,859	1,953	39,673	42,583	12,487	2,606	57,676
# . Hapur	6,660	1,761	317	8,738	11,665	3,581	789	16,035	18,326	5,342	1,106	24,773

(Continued)

**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P₂O₅ AND K₂O
2014-15 (April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total
II. North Zone (Continued)												
Uttar Pradesh (Continued)												
# . Hardoi	35,436	9,368	1,685	46,490	47,543	14,594	3,217	65,354	82,979	23,962	4,903	111,844
# . Hathras	16,107	4,258	766	21,131	16,869	5,178	1,141	23,188	32,975	9,436	1,908	44,319
# . Jalaun	7,702	2,036	366	10,105	36,878	11,320	2,495	50,694	44,580	13,357	2,862	60,798
# . Jaunpur	26,455	6,994	1,258	34,707	28,608	8,782	1,936	39,325	55,062	15,775	3,194	74,032
# . Jhansi	21,710	5,739	1,033	28,482	38,132	11,705	2,580	52,417	59,841	17,445	3,613	80,899
# . Kannauj	10,678	2,823	508	14,008	15,138	4,647	1,024	20,809	25,815	7,470	1,532	34,817
# . Kanpur (Dehat)	12,455	3,293	592	16,340	21,745	6,675	1,471	29,892	34,200	9,968	2,064	46,231
# . Kanpur (Nagar)	10,912	2,885	519	14,316	19,269	5,915	1,304	26,488	30,182	8,800	1,823	40,804
# . Kasganj	30,555	8,078	1,453	40,085	15,250	4,681	1,032	20,963	45,804	12,759	2,485	61,048
# . Kaushambi	10,818	2,860	515	14,192	11,514	3,535	779	15,828	22,332	6,394	1,294	30,020
# . Kushinagar	23,730	6,273	1,129	31,132	24,522	7,527	1,659	33,708	48,252	13,801	2,788	64,841
# . Lakhimpur Kheri	48,735	12,884	2,318	63,937	58,674	18,011	3,970	80,656	107,410	30,895	6,288	144,593
# . Lalitpur	23,974	6,338	1,140	31,452	33,997	10,436	2,300	46,733	57,970	16,774	3,441	78,185
# . Lucknow	7,321	1,935	348	9,604	12,173	3,737	824	16,733	19,493	5,672	1,172	26,337
# . Mahoba	12,328	3,259	586	16,174	24,806	7,615	1,679	34,099	37,134	10,874	2,265	50,273
# . Mahrajganj	20,100	5,314	956	26,370	21,355	6,555	1,445	29,355	41,455	11,869	2,401	55,725
# . Mainpuri	15,712	4,154	747	20,613	22,279	6,839	1,508	30,626	37,991	10,993	2,255	51,238
# . Mathura	18,124	4,791	862	23,777	31,132	9,557	2,107	42,795	49,256	14,348	2,969	66,573
# . Mau	10,354	2,737	492	13,584	12,902	3,961	873	17,736	23,257	6,698	1,366	31,320
# . Meerut	16,587	4,385	789	21,761	28,255	8,673	1,912	38,840	44,842	13,058	2,701	60,601
# . Mirzapur	13,868	3,666	660	18,193	15,844	4,864	1,072	21,780	29,712	8,530	1,732	39,973
# . Moradabad	16,769	4,433	798	21,999	23,224	7,129	1,572	31,925	39,993	11,562	2,369	53,924
# . Muzaffarnagar	20,832	5,507	991	27,331	37,768	11,593	2,556	51,917	58,600	17,101	3,547	79,248
# . Pilibhit	22,818	6,032	1,085	29,935	29,255	8,980	1,980	40,215	52,073	15,013	3,065	70,150
# . Pratapgarh	16,479	4,356	784	21,619	19,595	6,015	1,326	26,936	36,074	10,372	2,110	48,555
# . Raebareli	13,899	3,674	661	18,234	18,571	5,701	1,257	25,528	32,470	9,375	1,918	43,763
# . Rampur	18,459	4,880	878	24,217	25,289	7,763	1,711	34,763	43,748	12,643	2,589	58,980
# . S.Ravidas Nagar	4,537	1,199	216	5,952	6,117	1,878	414	8,409	10,654	3,077	630	14,361
# . Saharanpur	22,270	5,888	1,059	29,217	34,723	10,659	2,350	47,732	56,994	16,547	3,409	76,949
# . Sambhal	17,902	4,733	851	23,486	23,558	7,232	1,594	32,383	41,459	11,964	2,446	55,869
# . Sant Kabir Nagar	10,830	2,863	515	14,208	12,723	3,905	861	17,489	23,553	6,769	1,376	31,697
# . Shahjahanpur	33,816	8,940	1,608	44,364	43,076	13,223	2,915	59,214	76,892	22,163	4,523	103,578
# . Shamali	9,739	2,575	463	12,777	11,281	3,463	763	15,508	21,020	6,038	1,227	28,284
# . Shrawasti	11,113	2,938	529	14,580	12,363	3,795	837	16,995	23,476	6,733	1,365	31,574

(Continued)

**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P₂O₅ AND K₂O
2014-15 (April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total
II. North Zone (Concluded)												
Uttar Pradesh (Concluded)												
# . Siddharthnagar	18,671	4,936	888	24,495	20,219	6,207	1,368	27,794	38,891	11,143	2,256	52,290
# . Sitapur	38,603	10,205	1,836	50,644	49,618	15,231	3,358	68,206	88,220	25,436	5,194	118,850
# . Sonbhadra	10,002	2,644	476	13,122	12,127	3,723	821	16,671	22,129	6,367	1,296	29,793
# . Sultanpur	18,708	4,946	890	24,544	16,087	4,938	1,089	22,114	34,796	9,884	1,978	46,658
# . Unnao	22,372	5,914	1,064	29,350	31,716	9,736	2,146	43,598	54,088	15,650	3,210	72,948
# . Varanasi	9,359	2,474	445	12,278	9,970	3,061	675	13,705	19,329	5,535	1,120	25,983
Total	1,347,834	356,322	64,108	1,768,265	1,821,118	559,026	123,231	2,503,376	3,168,952	915,349	187,339	4,271,640
Uttarakhand												
1 . Almora	113	8	3	124	143	48	14	205	257	56	17	330
2 . Bageshwar	132	13	3	149	142	53	15	210	274	66	18	359
3 . Chamoli	46	15	3	64	52	14	-	66	98	29	3	130
4 . Champawat	227	51	24	302	219	30	5	254	446	81	29	556
5 . Dehradun	1,693	260	46	1,998	2,795	547	79	3,420	4,487	806	124	5,418
6 . Haridwar	15,081	2,690	216	17,987	16,010	6,395	1,074	23,478	31,091	9,084	1,290	41,465
7 . Nainital	4,680	510	168	5,358	4,678	1,217	497	6,392	9,358	1,727	665	11,750
8 . Pauri	139	40	6	184	312	107	9	428	451	147	15	613
9 . Pithoragarh	148	14	6	167	118	44	9	172	266	58	9	333
# . Rudraprayag	49	10	2	61	28	25	-	53	77	35	-	112
# . Tehri	41	7	3	51	63	35	2	100	104	43	4	151
# . U.S. Nagar	48,801	5,462	2,135	56,398	41,494	7,905	2,982	52,381	90,295	13,367	5,117	108,779
# . Uttarakashi	60	36	9	104	97	150	29	276	157	185	38	380
Total	71,209	9,113	2,624	82,946	66,152	16,570	4,714	87,436	137,361	25,683	7,338	170,382
III. South Zone												
Andhra Pradesh												
1 . Anantapur	21,496	10,129	5,998	37,623	23,930	12,269	3,646	39,845	45,426	22,398	9,644	77,468
2 . Chittoor	13,507	3,506	2,688	19,701	21,347	6,604	3,231	31,182	34,854	10,110	5,919	50,883
3 . East Godavari	34,612	8,371	12,288	55,271	65,679	25,066	16,039	106,784	100,291	33,437	28,327	162,055
4 . Guntur	56,101	23,504	7,845	87,450	116,288	47,555	14,713	178,556	172,389	71,059	22,558	266,006
5 . Kadapa	13,436	6,043	3,265	22,744	25,158	8,923	4,096	38,177	38,594	14,966	7,361	60,921
6 . Krishna	58,602	24,395	13,223	96,220	69,586	31,688	16,274	117,548	128,188	56,083	29,497	213,768
7 . Kurnool	76,642	46,376	13,629	136,647	71,856	36,394	10,149	118,399	148,498	82,770	23,778	255,046
8 . Nellore	21,879	5,201	4,684	31,764	67,749	24,221	11,665	103,635	89,628	29,422	16,349	135,399
9 . Prakasam	21,531	8,699	2,597	32,827	59,345	28,797	7,869	96,011	80,876	37,496	10,466	128,838

(Continued)

**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P₂O₅ AND K₂O
2014-15 (April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total
III. South Zone (Continued)												
Andhra Pradesh (Concluded)												
# . Srikakulam	23,282	7,478	4,472	35,232	12,590	2,808	2,602	18,000	35,872	10,286	7,074	53,232
# . Visakhapatnam	19,129	5,414	3,157	27,700	6,964	971	617	8,552	26,093	6,385	3,774	36,252
# . Vizianagaram	19,116	5,649	3,852	28,617	12,210	2,947	2,250	17,407	31,326	8,596	6,102	46,024
# . West Godavari	50,276	13,807	18,704	82,787	94,262	46,774	29,114	170,150	144,538	60,581	47,818	252,937
Total	429,609	168,572	96,402	694,583	646,964	275,017	122,265	1,044,246	1,076,573	443,589	218,667	1,738,829
Telangana												
1 . Adilabad	43,926	11,051	1,643	56,620	21,437	4,738	227	26,402	65,363	15,789	1,870	83,022
2 . Karimnagar	68,891	19,036	7,443	95,370	53,688	15,930	4,722	74,340	122,579	34,966	12,165	169,710
3 . Khammam	34,584	12,987	4,599	52,170	42,169	10,896	4,922	57,987	76,753	23,883	9,521	110,157
4 . Mahaboobnagar	51,422	16,597	3,107	71,126	32,092	16,755	4,512	53,359	83,514	33,352	7,619	124,485
5 . Medak	34,961	6,732	1,972	43,665	20,836	5,366	1,071	27,273	55,797	12,098	3,043	70,938
6 . Nalgonda	46,763	15,727	4,972	67,462	66,068	21,203	7,032	94,303	112,831	36,930	12,004	161,765
7 . Nizamabad	43,029	9,624	3,103	55,756	38,198	9,644	2,312	50,154	81,227	19,268	5,415	105,910
8 . Rangareddy	69,288	40,893	11,649	121,830	50,951	23,227	9,389	83,567	120,239	64,120	21,038	205,397
9 . Warangal	57,833	14,101	6,096	78,030	50,803	13,701	3,627	68,131	108,636	27,802	9,723	146,161
Total	450,697	146,748	44,584	642,029	376,242	121,460	37,814	535,516	826,939	268,208	82,398	1,177,545
Karnataka												
1 . Bagalkote	21,644	11,425	9,459	42,528	20,601	7,335	7,533	35,469	42,245	18,760	16,992	77,997
2 . Bangalore Rural	4,450	2,964	1,140	8,554	3,814	2,846	1,454	8,114	8,264	5,810	2,594	16,668
3 . Bangalore Urban	14,279	10,189	3,125	27,593	9,611	4,253	2,341	16,205	23,890	14,442	5,466	43,798
4 . Belgaum	44,942	19,768	17,770	82,480	47,539	18,788	18,676	85,003	92,481	38,556	36,446	167,483
5 . Bellary	56,497	26,989	12,825	96,311	47,004	18,313	11,012	76,329	103,501	45,302	23,837	172,640
6 . Bidar	12,266	9,590	2,192	24,048	3,626	3,343	1,509	8,478	15,892	12,933	3,701	32,526
7 . Bijapur	16,960	13,109	5,570	35,639	15,666	6,183	5,560	27,409	32,626	19,292	11,130	63,048
8 . Chamarajanagar	7,134	3,659	3,553	14,346	5,826	2,213	2,153	10,192	12,960	5,872	5,706	24,538
9 . Chickmagalur	19,633	9,944	14,538	44,115	12,380	6,749	10,764	29,893	32,013	16,693	25,302	74,008
# . Chikballapur	8,380	4,599	2,140	15,119	6,849	3,993	1,558	12,400	15,229	8,592	3,698	27,519
# . Chitradurga	14,171	7,907	2,876	24,954	6,981	4,274	2,045	13,300	21,152	12,181	4,921	38,254
# . Dakshina Kannada	3,998	2,125	2,735	8,858	4,207	2,081	3,681	9,969	8,205	4,206	6,416	18,827
# . Davanagere	33,418	18,493	6,471	58,382	23,581	12,364	5,337	41,282	56,999	30,857	11,808	99,664
# . Dharwad	17,471	9,929	4,792	32,192	7,694	4,506	3,584	15,784	25,165	14,435	8,376	47,976
# . Gadag	12,247	6,498	3,229	21,974	6,364	3,288	1,487	11,139	18,611	9,786	4,716	33,113
# . Gulbarga	16,969	14,812	5,296	37,077	10,430	6,106	3,845	20,381	27,399	20,918	9,141	57,458
# . Hassan	24,575	13,594	11,583	49,752	13,286	6,454	6,514	26,254	37,861	20,048	18,097	76,006
# . Haveri	26,526	10,422	4,284	41,232	9,830	5,997	1,511	17,338	36,356	16,419	5,795	58,570

(Continued)

**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P₂O₅ AND K₂O
2014-15 (April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total
III. South Zone (Continued)												
Karnataka (Concluded)												
# . Kodagu	11,237	6,893	8,802	26,932	8,390	4,265	5,780	18,435	19,627	11,158	14,582	45,367
# . Kolar	6,518	3,661	1,810	11,989	6,171	2,844	2,253	11,268	12,689	6,505	4,063	23,257
# . Koppal	25,772	10,151	7,384	43,307	30,076	12,486	11,651	54,213	55,848	22,637	19,035	97,520
# . Mandya	24,333	9,351	8,125	41,809	29,454	7,897	9,133	46,484	53,787	17,248	17,258	88,293
# . Mysore	21,039	10,765	10,528	42,332	14,695	6,144	4,209	25,048	35,734	16,909	14,737	67,380
# . Raichur	50,151	26,814	12,387	89,352	48,185	22,059	12,614	82,858	98,336	48,873	25,001	172,210
# . Ramanagaram	4,335	786	1,055	6,176	2,910	465	256	3,631	7,245	1,251	1,311	9,807
# . Shimoga	21,391	9,439	6,580	37,410	10,601	5,579	5,297	21,477	31,992	15,018	11,877	58,887
# . Tumkur	14,232	6,531	3,000	23,763	8,648	5,248	2,407	16,303	22,880	11,779	5,407	40,066
# . Udupi	2,084	958	1,129	4,171	1,173	548	739	2,460	3,257	1,506	1,868	6,631
# . Uttara Kannada	5,570	2,982	2,092	10,644	2,541	1,345	862	4,748	8,111	4,327	2,954	15,392
# . Yadgiri	21,278	15,079	5,043	41,400	19,958	10,675	5,038	35,671	41,236	25,754	10,081	77,071
Total	563,500	299,426	181,513	1,044,439	438,091	198,641	150,803	787,535	1,001,591	498,067	332,316	1,831,974
Kerala												
1 . Alappuzha	2,855	886	1,036	4,777	3,658	1,433	2,576	7,667	6,513	2,319	3,612	12,444
2 . Ernakulam	7,453	2,967	3,707	14,127	3,474	2,318	4,089	9,881	10,927	5,285	7,796	24,008
3 . Idukki	5,524	2,676	4,687	12,887	2,637	1,726	2,131	6,494	8,161	4,402	6,818	19,381
4 . Kannur	3,485	1,417	1,693	6,595	1,814	1,156	1,368	4,338	5,299	2,573	3,061	10,933
5 . Kasargode	1,866	612	576	3,054	1,536	391	426	2,353	3,402	1,003	1,002	5,407
6 . Kollam	3,176	2,242	2,307	7,725	1,861	398	668	2,927	5,037	2,640	2,975	10,652
7 . Kottayam	7,031	2,807	4,444	14,282	3,920	1,828	2,975	8,723	10,951	4,635	7,419	23,005
8 . Kozhikode	3,299	1,140	3,430	7,869	2,581	885	2,404	5,870	5,880	2,025	5,834	13,739
9 . Malappuram	5,202	1,867	3,600	10,669	3,171	1,456	2,501	7,128	8,373	3,323	6,101	17,797
# . Palakkad	7,540	3,220	3,544	14,304	7,138	2,459	2,219	11,816	14,678	5,679	5,763	26,120
# . Pathanamthitta	2,993	847	1,134	4,974	1,071	817	537	2,425	4,064	1,664	1,671	7,399
# . Thiruvananthapuram	2,646	1,390	516	4,552	1,364	1,053	208	2,625	4,010	2,443	724	7,177
# . Thrissur	5,082	1,499	1,907	8,488	5,078	1,960	2,222	9,260	10,160	3,459	4,129	17,748
# . Wayanad	4,190	1,157	2,814	8,161	2,898	525	2,102	5,525	7,088	1,682	4,916	13,686
Total	62,342	24,727	35,395	122,464	42,201	18,405	26,426	87,032	104,543	43,132	61,821	209,496
Tamil Nadu												
1 . Ariyalur	4,725	2,125	1,474	8,324	5,349	1,499	1,368	8,216	10,074	3,624	2,842	16,540
2 . Coimbatore	9,691	5,892	10,058	25,641	14,146	5,302	7,611	27,059	23,837	11,194	17,669	52,700
3 . Cuddalore	16,844	5,911	5,335	28,090	23,046	8,012	5,498	36,556	39,890	13,923	10,833	64,646
4 . Dharmapuri	3,689	2,004	2,733	8,426	6,099	2,476	1,622	10,197	9,788	4,480	4,355	18,623
5 . Dindigul	4,184	2,168	1,434	7,786	10,573	4,943	3,533	19,049	14,757	7,111	4,967	26,835
6 . Erode	13,062	5,642	6,432	25,136	20,609	7,880	5,762	34,251	33,671	13,522	12,194	59,387

(Continued)

**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P₂O₅ AND K₂O
2014-15 (April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total
III. South Zone (Concluded)												
Tamil Nadu (Concluded)												
7 . Kancheepuram	6,913	2,130	921	9,964	12,220	4,505	2,370	19,095	19,133	6,635	3,291	29,059
8 . Kanyakumari	3,349	1,795	1,699	6,843	3,857	1,620	1,567	7,044	7,206	3,415	3,266	13,887
9 . Karur	2,028	669	889	3,586	3,808	914	1,599	6,321	5,836	1,583	2,488	9,907
# . Krishnagiri	4,408	2,689	831	7,928	6,855	3,079	980	10,914	11,263	5,768	1,811	18,842
# . Madurai	6,028	3,189	1,523	10,740	15,527	5,487	4,316	25,330	21,555	8,676	5,839	36,070
# . Nagapattinam	9,594	3,914	1,753	15,261	11,575	2,087	2,687	16,349	21,169	6,001	4,440	31,610
# . Namakkal	2,530	1,079	2,175	5,784	4,843	2,018	1,053	7,914	7,373	3,097	3,228	13,698
# . Nilgiris	1,321	209	1,493	3,023	1,538	226	699	2,463	2,859	435	2,192	5,486
# . Perambalur	3,468	2,172	1,350	6,990	5,306	1,431	1,412	8,149	8,774	3,603	2,762	15,139
# . Pudukottai	6,091	1,743	2,076	9,910	11,955	3,973	3,681	19,609	18,046	5,716	5,757	29,519
# . Ramanathapuram	1,437	370	96	1,903	6,651	2,102	1,263	10,016	8,088	2,472	1,359	11,919
# . Salem	12,477	6,045	6,997	25,519	20,396	7,890	6,835	35,121	32,873	13,935	13,832	60,640
# . Sivagangai	1,599	394	329	2,322	5,844	1,894	1,778	9,516	7,443	2,288	2,107	11,838
# . Thanjavur	15,986	5,166	4,741	25,893	22,584	8,367	5,719	36,670	38,570	13,533	10,460	62,563
# . Theni	4,453	2,022	1,725	8,200	5,878	2,516	2,178	10,572	10,331	4,538	3,903	18,772
# . Thoothukudi	2,878	1,752	311	4,941	8,110	2,711	1,334	12,155	10,988	4,463	1,645	17,096
# . Tiruchirappalli	11,002	4,852	5,160	21,014	22,676	8,672	8,631	39,979	33,678	13,524	13,791	60,993
# . Tirunelveli	7,397	2,347	1,783	11,527	16,759	5,817	3,804	26,380	24,156	8,164	5,587	37,907
# . Tiruppur	2,953	1,466	2,125	6,544	5,872	3,474	3,542	12,888	8,825	4,940	5,667	19,432
# . Tiruvallur	9,768	2,975	1,415	14,158	13,229	5,145	2,163	20,537	22,997	8,120	3,578	34,695
# . Tiruvannamalai	10,082	2,892	2,507	15,481	20,893	7,939	5,113	33,945	30,975	10,831	7,620	49,426
# . Tiruvarur	9,307	4,686	2,155	16,148	15,545	2,140	4,885	22,570	24,852	6,826	7,040	38,718
# . Vellore	12,719	4,011	2,533	19,263	17,958	5,947	4,356	28,261	30,677	9,958	6,889	47,524
# . Villupuram	21,410	6,871	6,453	34,734	33,308	12,002	10,229	55,539	54,718	18,873	16,682	90,273
# . Virudhunagar	1,656	721	271	2,648	5,259	1,312	1,831	8,402	6,915	2,033	2,102	11,050
Total	223,049	89,901	80,777	393,727	378,268	133,380	109,419	621,067	601,317	223,281	190,196	1,014,794
IV. West Zone												
Gujarat												
1 . Ahmedabad	26,171	8,421	542	35,134	40,536	7,032	844	48,412	66,707	15,453	1,386	83,546
2 . Amreli	29,079	16,996	2,374	48,449	20,596	5,964	493	27,053	49,675	22,960	2,867	75,502
3 . Anand	23,583	4,225	1,858	29,666	37,926	2,936	2,107	42,969	61,509	7,161	3,965	72,635
4 . Banaskantha	40,396	10,440	4,153	54,989	55,466	14,379	6,612	76,457	95,862	24,819	10,765	131,446
5 . Bharuch	21,124	4,179	2,778	28,081	16,517	3,593	3,059	23,169	37,641	7,772	5,837	51,250
6 . Bhavnagar	40,305	24,310	3,380	67,995	28,652	7,318	1,172	37,142	68,957	31,628	4,552	105,137
7 . Dahod	9,857	2,156	52	12,065	7,204	953	66	8,223	17,061	3,109	118	20,288

(Continued)

**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P₂O₅ AND K₂O
2014-15 (April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total
IV. West Zone (Continued)												
Gujarat (Concluded)												
8 . Gandhinagar	11,683	2,594	914	15,191	16,693	2,824	1,545	21,062	28,376	5,418	2,459	36,253
9 . Jamnagar	25,059	16,226	2,920	44,205	16,307	6,270	923	23,500	41,366	22,496	3,843	67,705
# . Junagadh	27,957	17,699	3,453	49,109	31,955	10,443	1,693	44,091	59,912	28,142	5,146	93,200
# . Kheda	27,336	5,808	1,454	34,598	34,952	3,240	1,887	40,079	62,288	9,048	3,341	74,677
# . Kutch	19,357	6,495	752	26,604	23,146	4,930	525	28,601	42,503	11,425	1,277	55,205
# . Mehsana	16,595	3,566	1,004	21,165	31,338	5,252	1,465	38,055	47,933	8,818	2,469	59,220
# . Narmada	10,768	1,389	913	13,070	9,582	795	1,217	11,594	20,350	2,184	2,130	24,664
# . Navsari	11,514	3,999	3,449	18,962	8,577	2,740	2,740	14,057	20,091	6,739	6,189	33,019
# . Panchmahal	17,770	3,306	926	22,002	22,674	2,298	548	25,520	40,444	5,604	1,474	47,522
# . Patan	10,092	1,926	382	12,400	20,395	2,877	247	23,519	30,487	4,803	629	35,919
# . Porbandar	4,524	3,039	438	8,001	4,730	1,815	188	6,733	9,254	4,854	626	14,734
# . Rajkot	65,424	28,650	7,447	101,521	37,756	10,866	2,156	50,778	103,180	39,516	9,603	152,299
# . Sabarkantha	30,282	10,825	5,710	46,817	45,257	9,549	5,793	60,599	75,539	20,374	11,503	107,416
# . Surat	31,434	9,702	8,783	49,919	26,361	13,490	11,195	51,046	57,795	23,192	19,978	100,965
# . Surendranagar	35,093	12,913	1,904	49,910	36,858	9,200	495	46,553	71,951	22,113	2,399	96,463
# . Tapi	12,013	5,380	1,107	18,500	5,428	1,575	814	7,817	17,441	6,955	1,921	26,317
# . The Dang	513	277	288	1,078	48	16	7	71	561	293	295	1,149
# . Vadodara	38,592	9,057	3,454	51,103	42,161	4,395	3,084	49,640	80,753	13,452	6,538	100,743
# . Valsad	6,164	2,581	1,520	10,265	3,708	1,078	1,676	6,462	9,872	3,659	3,196	16,727
Total	592,685	216,159	61,955	870,799	624,823	135,828	52,551	813,202	1,217,508	351,987	114,506	1,684,001
Madhya Pradesh												
1 . Agar Malwa	4,098	4,760	218	9,076	4,600	2,602	278	7,480	8,698	7,362	496	16,556
2 . Alirajpur	7,762	1,936	507	10,205	4,710	1,476	60	6,246	12,472	3,412	567	16,451
3 . Anuppur	1,156	891	24	2,071	419	243	8	670	1,575	1,134	32	2,741
4 . Ashok Nagar	2,117	4,319	11	6,447	6,030	3,565	88	9,683	8,147	7,884	99	16,130
5 . Badwani	15,583	7,030	2,299	24,912	8,979	3,452	674	13,105	24,562	10,482	2,973	38,017
6 . Balaghat	11,100	6,885	233	18,218	4,549	3,240	363	8,152	15,649	10,125	596	26,370
7 . Betul	11,409	6,182	812	18,403	16,385	6,588	776	23,749	27,794	12,770	1,588	42,152
8 . Bhind	6,993	4,131	7	11,131	16,274	5,199	57	21,530	23,267	9,330	64	32,661
9 . Bhopal	3,930	3,658	275	7,863	17,655	8,188	197	26,040	21,585	11,846	472	33,903
# . Burhanpur	10,455	5,311	8,933	24,699	7,318	2,484	3,024	12,826	17,773	7,795	11,957	37,525
# . Chhatarpur	5,279	4,813	7	10,099	9,999	6,032	116	16,147	15,278	10,845	123	26,246
# . Chhindwara	20,147	9,381	2,777	32,305	18,162	6,243	821	25,226	38,309	15,624	3,598	57,531
# . Damoh	2,982	2,129	2	5,113	7,134	3,498	90	10,722	10,116	5,627	92	15,835
# . Datia	5,290	1,974	3	7,267	11,718	3,401	14	15,133	17,008	5,375	17	22,400

(Continued)

**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P₂O₅ AND K₂O
2014-15(April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total
IV. West Zone (Continued)												
Madhya Pradesh (Concluded)												
# . Dewas	10,949	9,309	1,039	21,297	20,677	10,376	1,388	32,441	31,626	19,685	2,427	53,738
# . Dhar	30,608	18,989	3,361	52,958	25,206	13,490	2,096	40,792	55,814	32,479	5,457	93,750
# . Dindhori	1,499	688	4	2,191	596	579	3	1,178	2,095	1,267	7	3,369
# . Guna	4,475	4,444	16	8,935	14,909	6,151	37	21,097	19,384	10,595	53	30,032
# . Gwalior	11,554	4,998	107	16,659	21,818	6,541	129	28,488	33,372	11,539	236	45,147
# . Harda	3,856	5,683	986	10,525	22,200	10,473	341	33,014	26,056	16,156	1,327	43,539
# . Hoshangabad	12,584	9,944	564	23,092	39,682	17,012	483	57,177	52,266	26,956	1,047	80,269
# . Indore	12,333	10,284	1,919	24,536	23,556	14,730	2,719	41,005	35,889	25,014	4,638	65,541
# . Jabalpur	12,461	5,209	560	18,230	17,495	6,983	259	24,737	29,956	12,192	819	42,967
# . Jhabua	12,664	4,009	496	17,169	8,355	2,179	422	10,956	21,019	6,188	918	28,125
# . Katni	6,315	3,068	61	9,444	12,110	5,756	143	18,009	18,425	8,824	204	27,453
# . Khandawa	13,556	8,153	1,467	23,176	14,025	5,531	808	20,364	27,581	13,684	2,275	43,540
# . Khargone	31,376	21,104	8,298	60,778	22,278	7,790	1,663	31,731	53,654	28,894	9,961	92,509
# . Mandla	5,191	2,378	84	7,653	3,757	1,664	72	5,493	8,948	4,042	156	13,146
# . Mandasaur	13,294	8,303	1,525	23,122	15,459	6,417	1,500	23,376	28,753	14,720	3,025	46,498
# . Morena	10,035	3,292	71	13,398	20,475	5,713	202	26,390	30,510	9,005	273	39,788
# . Narsinghpur	6,958	2,359	480	9,797	12,044	5,722	582	18,348	19,002	8,081	1,062	28,145
# . Nimuch	7,192	4,888	954	13,034	10,619	3,922	1,057	15,598	17,811	8,810	2,011	28,632
# . Panna	2,083	1,342	4	3,429	4,139	2,599	46	6,784	6,222	3,941	50	10,213
# . Raisen	13,051	13,438	319	26,808	25,746	10,479	190	36,415	38,797	23,917	509	63,223
# . Rajgarh	10,225	10,076	239	20,540	17,391	11,189	622	29,202	27,616	21,265	861	49,742
# . Ratlam	16,448	8,204	1,668	26,320	19,597	7,319	1,462	28,378	36,045	15,523	3,130	54,698
# . Rewa	4,324	2,989	60	7,373	9,266	4,720	276	14,262	13,590	7,709	336	21,635
# . Sagar	3,899	5,531	51	9,481	12,369	7,365	240	19,974	16,268	12,896	291	29,455
# . Satna	5,377	3,754	76	9,207	15,003	6,734	392	22,129	20,380	10,488	468	31,336
# . Sehore	11,091	9,418	113	20,622	32,498	14,973	735	48,206	43,589	24,391	848	68,828
# . Seoni	12,609	6,119	320	19,048	10,541	3,820	181	14,542	23,150	9,939	501	33,590
# . Shahdol	1,857	1,268	22	3,147	2,642	1,368	34	4,044	4,499	2,636	56	7,191
# . Shajapur	7,535	10,924	961	19,420	11,515	7,933	1,125	20,573	19,050	18,857	2,086	39,993
# . Sheopurkala	5,099	4,421	22	9,542	10,160	2,335	69	12,564	15,259	6,756	91	22,106
# . Shivpuri	5,534	6,626	105	12,265	14,664	7,378	102	22,144	20,198	14,004	207	34,409
# . Sidhi	1,805	981	25	2,811	1,700	846	15	2,561	3,505	1,827	40	5,372
# . Singaroli	1,303	909	1	2,213	1,326	643	9	1,978	2,629	1,552	10	4,191
# . Tikamgarh	1,835	1,738	166	3,739	9,817	4,284	40	14,141	11,652	6,022	206	17,880
# . Ujjain	12,536	12,649	880	26,065	23,560	13,045	1,983	38,588	36,096	25,694	2,863	64,653
# . Umari	1,108	765	34	1,907	1,879	1,661	2	3,542	2,987	2,426	36	5,449
# . Vidisha	4,119	7,164	34	11,317	17,973	9,468	445	27,886	22,092	16,632	479	39,203
Total	437,039	298,818	43,200	779,057	680,979	305,399	28,438	1,014,816	1,118,018	604,217	71,638	1,793,873

(Continued)

**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P₂O₅ AND K₂O
2014-15 (April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total
IV. West Zone (Continued)												
Chhattisgarh												
1 . Balod	16,530	7,189	1,895	25,614	7,746	3,751	749	12,246	24,276	10,940	2,644	37,860
2 . Balodabazar	24,715	9,720	3,049	37,484	7,757	1,540	101	9,398	32,472	11,260	3,150	46,882
3 . Balrampur	2,713	1,660	548	4,921	771	215	46	1,032	3,484	1,875	594	5,953
4 . Beejapur	490	338	35	863	39	21	1	61	529	359	36	924
5 . Bemetara	12,481	9,334	1,801	23,616	2,638	2,936	371	5,945	15,119	12,270	2,172	29,561
6 . Bilaspur	20,672	7,107	1,467	29,246	10,833	2,516	412	13,761	31,505	9,623	1,879	43,007
7 . Dantewada	65	31	9	105	60	8	16	84	125	39	25	189
8 . Dhamtari	17,373	9,019	1,856	28,248	6,625	4,855	993	12,473	23,998	13,874	2,849	40,721
9 . Durg	13,740	7,197	2,828	23,765	5,868	4,540	2,380	12,788	19,608	11,737	5,208	36,553
# . Gariyaband	11,210	5,048	1,587	17,845	6,806	2,040	248	9,094	18,016	7,088	1,835	26,939
# . Jagdalpur	3,908	2,289	892	7,089	1,018	192	53	1,263	4,926	2,481	945	8,352
# . Janjgir	26,039	9,967	1,134	37,140	2,853	1,561	190	4,604	28,892	11,528	1,324	41,744
# . Jashpur Nagar	2,279	880	232	3,391	145	73	509	727	2,424	953	741	4,118
# . Kabirdham	15,580	5,724	1,957	23,261	508	563	288	1,359	16,088	6,287	2,245	24,620
# . Kanker	8,487	5,071	2,023	15,581	3,337	1,425	823	5,585	11,824	6,496	2,846	21,166
# . Kondagaon	2,239	1,434	438	4,111	1,015	443	164	1,622	3,254	1,877	602	5,733
# . Korba	2,376	1,279	270	3,925	139	207	635	981	2,515	1,486	905	4,906
# . Koriya	2,763	1,622	411	4,796	395	198	302	895	3,158	1,820	713	5,691
# . Mahasamund	14,849	7,112	2,425	24,386	3,802	2,347	334	6,483	18,651	9,459	2,759	30,869
# . Mungeli	9,619	3,571	937	14,127	753	837	538	2,128	10,372	4,408	1,475	16,255
# . Narayanpur	364	195	79	638	92	142	13	247	456	337	92	885
# . Raigarh	21,330	8,053	1,727	31,110	4,174	2,559	1,729	8,462	25,504	10,612	3,456	39,572
# . Raipur	24,058	9,684	3,158	36,900	14,025	5,610	6,365	26,000	38,083	15,294	9,523	62,900
# . Rajnandgaon	17,424	12,162	4,343	33,929	4,610	2,785	293	7,688	22,034	14,947	4,636	41,617
# . Sarguja	7,091	3,486	782	11,359	2,771	1,783	2,040	6,594	9,862	5,269	2,822	17,953
# . Sukma	220	118	36	374	90	30	24	144	310	148	60	518
# . Surajpur	4,758	2,617	783	8,158	743	290	405	1,438	5,501	2,907	1,188	9,596
Total	283,373	131,907	36,702	451,982	89,613	43,467	20,022	153,102	372,986	175,374	56,724	605,084
Maharashtra												
1 . Ahmednagar	42,544	24,143	20,411	87,098	45,771	24,035	16,034	85,840	88,315	48,178	36,445	172,938
2 . Akola	11,696	8,832	3,766	24,294	8,933	4,953	3,267	17,153	20,629	13,785	7,033	41,447
3 . Amravati	18,518	14,956	9,150	42,624	18,875	8,745	5,124	32,744	37,393	23,701	14,274	75,368
4 . Aurangabad	54,377	22,997	15,208	92,582	28,327	10,571	6,827	45,725	82,704	33,568	22,035	138,307
5 . Beed	41,048	20,156	9,426	70,630	12,529	6,590	4,098	23,217	53,577	26,746	13,524	93,847
6 . Bhandara	13,885	7,480	1,501	22,866	6,730	3,715	469	10,914	20,615	11,195	1,970	33,780

(Continued)

**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P₂O₅ AND K₂O
2014-15 (April-March) (Continued)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total
IV. West Zone (Continued)												
Maharashtra (Concluded)												
7 . Buldhana	36,024	21,616	8,135	65,775	25,850	22,427	9,947	58,224	61,874	44,043	18,082	123,999
8 . Chandrapur	24,808	12,073	4,033	40,914	7,394	4,731	1,148	13,273	32,202	16,804	5,181	54,187
9 . Dhule	24,469	9,142	8,583	42,194	17,056	5,465	4,718	27,239	41,525	14,607	13,301	69,433
# . Gadchiroli	11,957	4,899	1,181	18,037	6,472	3,308	744	10,524	18,429	8,207	1,925	28,561
# . Gondia	12,123	5,013	1,026	18,162	5,276	2,398	286	7,960	17,399	7,411	1,312	26,122
# . Hingoli	12,777	9,070	3,717	25,564	6,592	3,420	1,823	11,835	19,369	12,490	5,540	37,399
# . Jalgaon	68,139	28,808	41,976	138,923	50,493	16,816	20,604	87,913	118,632	45,624	62,580	226,836
# . Jalna	35,379	18,937	10,801	65,117	19,506	10,916	7,532	37,954	54,885	29,853	18,333	103,071
# . Kolhapur	38,438	14,319	16,038	68,795	40,526	18,916	16,156	75,598	78,964	33,235	32,194	144,393
# . Latur	20,934	15,208	6,884	43,026	8,712	8,078	2,780	19,570	29,646	23,286	9,664	62,596
# . Nagpur	25,072	15,821	6,480	47,373	19,155	7,164	3,224	29,543	44,227	22,985	9,704	76,916
# . Nanded	47,991	25,641	11,238	84,870	37,136	20,636	14,885	72,657	85,127	46,277	26,123	157,527
# . Nandurbar	21,492	6,731	6,678	34,901	14,479	4,692	4,242	23,413	35,971	11,423	10,920	58,314
# . Nasik	45,579	24,259	14,325	84,163	43,945	23,302	11,793	79,040	89,524	47,561	26,118	163,203
# . Osmanabad	15,209	11,570	4,354	31,133	8,458	5,385	2,607	16,450	23,667	16,955	6,961	47,583
# . Palghar	8,975	661	593	10,229	-	-	-	-	8,975	661	593	10,229
# . Parbhani	27,620	12,426	7,047	47,093	8,321	5,583	3,935	17,839	35,941	18,009	10,982	64,932
# . Pune	36,105	18,719	13,259	68,083	53,128	24,543	20,829	98,500	89,233	43,262	34,088	166,583
# . Raigad	10,171	656	757	11,584	3,424	1,161	635	5,220	13,595	1,817	1,392	16,804
# . Ratnagiri	5,784	871	746	7,401	177	86	89	352	5,961	957	835	7,753
# . Sangli	24,335	9,337	12,980	46,652	32,265	14,858	12,292	59,415	56,600	24,195	25,272	106,067
# . Satara	23,786	10,809	9,643	44,238	26,080	12,753	10,754	49,587	49,866	23,562	20,397	93,825
# . Sindhudurg	4,284	1,497	1,167	6,948	789	252	294	1,335	5,073	1,749	1,461	8,283
# . Solapur	36,763	17,747	15,056	69,566	51,159	20,434	18,131	89,724	87,922	38,181	33,187	159,290
# . Thane	4,051	298	268	4,617	5,906	1,528	1,255	8,689	9,957	1,826	1,523	13,306
# . Wardha	20,204	11,703	8,865	40,772	16,727	8,663	7,784	33,174	36,931	20,366	16,649	73,946
# . Washim	12,002	8,654	1,994	22,650	8,287	5,632	1,561	15,480	20,289	14,286	3,555	38,130
# . Yeotmal	43,963	21,989	13,216	79,168	22,008	12,097	6,416	40,521	65,971	34,086	19,632	119,689
Total	880,502	437,038	290,502	1,608,042	660,486	323,853	222,283	1,206,622	1,540,988	760,891	512,785	2,814,664
Rajasthan												
1 . Ajmer	5,464	5,215	124	10,803	9,093	1,936	239	11,269	14,558	7,152	363	22,072
2 . Alwar	21,145	10,972	238	32,355	28,983	8,173	239	37,394	50,128	19,145	477	69,750
3 . Banswara	13,009	2,505	183	15,697	16,323	2,400	133	18,857	29,333	4,905	317	34,554

(Continued)

**6.16 DISTRICTWISE, SEASONWISE CONSUMPTION OF N, P₂O₅ AND K₂O
2014-15 (April-March) (Concluded)**

(tonnes)

Zone/State/District	Kharif				Rabi				Total			
	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total
IV. West Zone (Concluded)												
Rajasthan (Concluded)												
4 . Baran	16,514	12,219	221	28,955	31,471	9,782	130	41,382	47,985	22,001	351	70,337
5 . Barmer	3,331	468	22	3,820	7,514	821	66	8,401	10,845	1,289	88	12,221
6 . Bharatpur	17,498	8,903	77	26,478	28,622	5,061	76	33,759	46,120	13,964	153	60,237
7 . Bhilwara	12,185	4,799	324	17,308	19,168	6,003	492	25,662	31,352	10,802	816	42,971
8 . Bikaner	5,981	2,624	-	8,605	18,430	6,365	120	24,915	24,411	8,989	120	33,520
9 . Bundi	15,556	7,405	125	23,086	30,359	6,816	97	37,271	45,915	14,220	222	60,357
# . Chittorgarh	17,897	7,234	360	25,491	25,514	7,621	593	33,728	43,411	14,855	953	59,219
# . Churu	3,186	307	-	3,493	3,372	1,384	7	4,763	6,558	1,691	7	8,256
# . Dausa	9,932	4,662	161	14,755	15,091	3,173	152	18,416	25,023	7,835	161	33,019
# . Dholpur	10,292	4,638	215	15,145	13,997	2,657	138	16,792	24,289	7,296	353	31,937
# . Dungarpur	2,804	1,115	44	3,963	4,039	423	65	4,528	6,843	1,538	109	8,491
# . Hanumangarh	17,061	7,374	281	24,716	41,759	8,839	791	51,388	58,820	16,213	1,071	76,105
# . Jaipur	16,813	7,295	665	24,774	30,718	11,193	463	42,374	47,531	18,488	463	66,482
# . Jaisalmer	4,508	1,895	82	6,486	4,435	816	93	5,343	8,943	2,711	175	11,829
# . Jalore	9,561	2,371	231	12,163	16,719	1,405	568	18,693	26,280	3,776	799	30,856
# . Jhalawar	13,405	6,592	159	20,155	21,717	8,210	219	30,146	35,122	14,802	378	50,302
# . Jhunjhunu	3,948	838	18	4,805	8,464	1,276	46	9,787	12,413	2,114	64	14,592
# . Jodhpur	12,041	6,662	252	18,954	19,331	7,352	496	27,179	31,372	14,013	748	46,133
# . Karauli	9,163	4,154	14	13,330	10,708	2,705	67	13,480	19,871	6,859	81	26,811
# . Kota	14,955	10,907	329	26,190	33,232	11,723	384	45,338	48,186	22,630	712	71,528
# . Nagaur	12,076	6,815	232	19,123	18,127	8,110	680	26,918	30,203	14,925	913	46,041
# . Pali	3,997	4,238	111	8,346	7,512	1,558	113	9,183	11,509	5,797	223	17,529
# . Pratapgarh	8,438	4,651	477	13,567	11,146	5,035	341	16,522	19,584	9,686	819	30,089
# . Rajsamand	2,785	1,131	55	3,971	4,557	622	71	5,250	7,342	1,753	126	9,220
# . S. Madhopur	11,578	9,812	287	21,676	18,601	2,004	47	20,653	30,179	11,816	334	42,329
# . Sikar	6,657	2,403	141	9,201	11,000	2,471	108	13,579	17,657	4,875	249	22,780
# . Sirohi	4,930	2,015	192	7,137	8,001	1,022	278	9,301	12,931	3,038	470	16,438
# . Sriganganagar	17,454	7,878	178	25,510	51,810	12,184	547	64,541	69,264	20,062	725	90,051
# . Tonk	10,657	11,293	294	22,244	18,142	2,201	108	20,451	28,799	13,494	402	42,695
# . Udaipur	11,866	4,259	256	16,381	17,708	4,454	863	23,026	29,574	8,713	1,119	39,407
Total	346,687	175,648	6,349	528,684	605,664	155,796	8,829	770,289	952,351	331,445	15,178	1,298,973

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.

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6.17 CLASSIFICATION OF DISTRICTS ACCORDING TO THE PERCENTAGE SHARE OF TOTAL AND PER HECTARE CONSUMPTION OF PLANT NUTRIENTS (N+P ₂ O ₅ +K ₂ O) - 2014-15						
% share to All-India consumption	Cumulative consumption (tonnes) (N+P ₂ O ₅ +K ₂ O)	Ranking of districts	District	State	Consumption (N+P ₂ O ₅ +K ₂ O)	
					Tonnes	Kg/ha
		1	Guntur	Andhra Pradesh	266,006	352.0
		2	Kurnool	Andhra Pradesh	255,046	266.0
		3	West Godavari	Andhra Pradesh	252,937	463.9
		4	Jalgaon	Maharashtra	226,836	222.7
		5	Krishna	Andhra Pradesh	213,768	387.0
		6	Rangareddy	Telangana	205,397	804.5
		7	Ludhiana	Punjab	179,935	299.9
		8	Ahmednagar	Maharashtra	172,938	120.1
		9	Bellary	Karnataka	172,640	331.2
		10	Raichur	Karnataka	172,210	253.7
		11	Karimnagar	Telangana	169,710	242.6
		12	Bardhaman	West Bengal	168,322	199.2
		13	Belgaum	Karnataka	167,483	173.1
10	2,623,228			(13)		
		14	Pune	Maharashtra	166,583	221.8
		15	Nasik	Maharashtra	163,203	150.5
		16	East Godavari	Andhra Pradesh	162,055	337.9
		17	Nalgonda	Telangana	161,765	221.6
		18	Solapur	Maharashtra	159,290	122.1
		19	Nanded	Maharashtra	157,527	175.9
		20	Rajkot	Gujarat	152,299	162.3
		21	Sirsa	Haryana	149,083	216.1
15	3,895,033			(8)		
		22	Warangal	Telangana	146,161	245.2
		23	Lakhimpur Kheri	Uttar Pradesh	144,593	201.9
		24	Kolhapur	Maharashtra	144,393	260.1
		25	Aurangabad	Maharashtra	138,307	156.7
		26	West Midnapore	West Bengal	138,173	127.2
		27	Nellore	Andhra Pradesh	135,399	408.7
		28	Hooghly	West Bengal	134,893	246.2
		29	Banaskantha	Gujarat	131,446	114.8
		30	Prakasam	Andhra Pradesh	128,838	262.3
20	5,137,236			(9)		
		31	Sangrur	Punjab	128,559	206.4
		32	Patiala	Punjab	128,217	247.0
		33	Mahaboobnagar	Telangana	124,485	127.2
		34	Buldhana	Maharashtra	123,999	126.1
		35	Murshidabad	West Bengal	123,282	134.5
		36	Yeotmal	Maharashtra	119,689	133.8
		37	Sitapur	Uttar Pradesh	118,850	181.9
		38	Ferozepur	Punjab	114,844	129.8
		39	Karnal	Haryana	113,181	291.0
		40	Hardoi	Uttar Pradesh	111,844	168.2
		41	Jalpaiguri	West Bengal	111,776	231.1
25	6,455,962			(11)		

(Continued)

6.17 CLASSIFICATION OF DISTRICTS ACCORDING TO THE PERCENTAGE SHARE OF TOTAL AND PER HECTARE CONSUMPTION OF PLANT NUTRIENTS (N+P ₂ O ₅ +K ₂ O) - 2014-15 (Continued)						
% share to All-India consumption	Cumulative consumption (tonnes) (N+P ₂ O ₅ +K ₂ O)	Ranking of districts	District	State	Consumption (N+P ₂ O ₅ +K ₂ O)	
					Tonnes	Kg/ha
		42	Khammam	Telangana	110,157	243.3
		43	U.S. Nagar	Uttarakhand	108,779	417.5
		44	Amritsar	Punjab	107,881	255.6
		45	Sabarkantha	Gujarat	107,416	157.0
		46	Sangli	Maharashtra	106,067	171.3
		47	Nizamabad	Telangana	105,910	235.5
		48	Bathinda	Punjab	105,240	189.6
		49	Bhavnagar	Gujarat	105,137	185.6
		50	Jalandhar	Punjab	105,070	259.4
		51	Gurdaspur	Punjab	104,529	206.2
		52	Jind	Haryana	103,822	220.9
		53	Shahjahanpur	Uttar Pradesh	103,578	172.8
30	7,729,548			(12)		
		54	Jalna	Maharashtra	103,071	116.8
		55	Badaun	Uttar Pradesh	101,636	172.7
		56	Surat	Gujarat	100,965	409.2
		57	Vadodara	Gujarat	100,743	146.3
		58	Moga	Punjab	100,470	263.0
		59	Malda	West Bengal	99,752	204.1
		60	Davanagere	Karnataka	99,664	216.1
		61	Fatehabad	Haryana	98,851	238.2
		62	Bijnor	Uttar Pradesh	97,825	226.3
		63	Koppal	Karnataka	97,520	199.6
		64	Hisar	Haryana	97,277	160.5
		65	Surendranagar	Gujarat	96,463	103.1
		66	Shri Muksar Saheb	Punjab	95,256	210.3
35	9,019,040			(13)		
		67	Kaithal	Haryana	94,301	248.2
		68	Beed	Maharashtra	93,847	82.7
		69	Satara	Maharashtra	93,825	138.8
		70	Dhar	Madhya Pradesh	93,750	120.2
		71	Junagadh	Gujarat	93,200	120.2
		72	Bareilly	Uttar Pradesh	92,896	171.1
		73	Khargone	Madhya Pradesh	92,509	192.5
		74	North Dinajpur	West Bengal	92,485	173.9
		75	Nadia	West Bengal	90,531	121.4
		76	Villupuram	Tamil Nadu	90,273	180.3
		77	Sriganganagar	Rajasthan	90,051	71.5
		78	Kurukshetra	Haryana	88,885	315.2
		79	Mandya	Karnataka	88,293	369.8
		80	Aligarh	Uttar Pradesh	87,552	163.4
40	10,301,437			(14)		

(Continued)

6.17 CLASSIFICATION OF DISTRICTS ACCORDING TO THE PERCENTAGE SHARE OF TOTAL AND PER HECTARE CONSUMPTION OF PLANT NUTRIENTS (N+P ₂ O ₅ +K ₂ O) - 2014-15 (Continued)						
% share to All-India consumption	Cumulative consumption (tonnes) (N+P ₂ O ₅ +K ₂ O)	Ranking of districts	District	State	Consumption (N+P ₂ O ₅ +K ₂ O)	
					Tonnes	Kg/ha
		81	Birbhum	West Bengal	84,343	154.3
		82	Ahmedabad	Gujarat	83,546	104.5
		83	Adilabad	Telangana	83,022	138.1
		84	Bahraich	Uttar Pradesh	82,671	166.7
		85	Purnea	Bihar	82,231	320.2
		86	Jhansi	Uttar Pradesh	80,899	171.6
		87	Hoshangabad	Madhya Pradesh	80,269	135.0
		88	Azamgarh	Uttar Pradesh	80,145	158.4
		89	East Midnapore	West Bengal	79,515	146.9
		90	Muzaffarnagar	Uttar Pradesh	79,248	207.9
		91	Gonda	Uttar Pradesh	78,872	171.9
		92	North 24-Parganas	West Bengal	78,343	144.6
		93	Lalitpur	Uttar Pradesh	78,185	149.7
		94	Bagalkote	Karnataka	77,997	132.5
		95	Anantapur	Andhra Pradesh	77,468	90.3
		96	Yadgiri	Karnataka	77,071	184.2
45	11,585,261			(16)		
		97	Taran Taran	Punjab	77,004	194.5
		98	Saharanpur	Uttar Pradesh	76,949	185.3
		99	Nagpur	Maharashtra	76,916	107.1
		100	Hoshiarpur	Punjab	76,519	212.0
		101	Bulandshahar	Uttar Pradesh	76,140	146.1
		102	Hanumangarh	Rajasthan	76,105	61.0
		103	Hassan	Karnataka	76,006	177.5
		104	Sonepat	Haryana	75,945	253.2
		105	Barabanki	Uttar Pradesh	75,931	152.3
		106	Bankura	West Bengal	75,646	148.7
		107	Amreli	Gujarat	75,502	134.3
		108	Amravati	Maharashtra	75,368	82.1
		109	Kheda	Gujarat	74,677	172.0
		110	Jaunpur	Uttar Pradesh	74,032	157.5
		111	Chickmagalur	Karnataka	74,008	212.3
		112	Wardha	Maharashtra	73,946	151.3
50	12,795,955			(16)		
		113	Unnao	Uttar Pradesh	72,948	152.4
		114	Anand	Gujarat	72,635	186.0
		115	Kota	Rajasthan	71,528	166.9
		116	Allahabad	Uttar Pradesh	71,256	149.1
		117	Medak	Telangana	70,938	128.4
		118	Fatehpur	Uttar Pradesh	70,851	174.8
		119	Baran	Rajasthan	70,337	141.1
		120	Pilibhit	Uttar Pradesh	70,150	177.9
		121	Alwar	Rajasthan	69,750	83.9
		122	Dhule	Maharashtra	69,433	112.2
		123	Agra	Uttar Pradesh	68,915	162.3
		124	Sehore	Madhya Pradesh	68,828	97.7
		125	Bhiwani	Haryana	67,803	94.8
		126	Jamnagar	Gujarat	67,705	93.9
		127	Yamuna Nagar	Haryana	67,437	309.3
		128	Mysore	Karnataka	67,380	128.8

(Continued)

6.17 CLASSIFICATION OF DISTRICTS ACCORDING TO THE PERCENTAGE SHARE OF TOTAL AND PER HECTARE CONSUMPTION OF PLANT NUTRIENTS (N+P ₂ O ₅ +K ₂ O) - 2014-15 (Continued)						
% share to All-India consumption	Cumulative consumption (tonnes) (N+P ₂ O ₅ +K ₂ O)	Ranking of districts	District	State	Consumption (N+P ₂ O ₅ +K ₂ O)	
					Tonnes	Kg/ha
		129	Mathura	Uttar Pradesh	66,573	168.0
		130	Jaipur	Rajasthan	66,482	64.0
		131	Banda	Uttar Pradesh	65,885	150.9
55	14,112,788			(19)		
		132	Indore	Madhya Pradesh	65,541	159.7
		133	Mansa	Punjab	65,392	179.2
		134	E.Champaran	Bihar	64,955	166.3
		135	Parbhani	Maharashtra	64,932	91.5
		136	Kushinagar	Uttar Pradesh	64,841	186.9
		137	Rohtas	Bihar	64,693	202.0
		138	Ujjain	Madhya Pradesh	64,653	88.9
		139	Cuddalore	Tamil Nadu	64,646	198.7
		140	W.Champaran	Bihar	64,241	160.7
		141	Raisen	Madhya Pradesh	63,223	98.4
		142	Bijapur	Karnataka	63,048	66.4
		143	Raipur	Chhattisgarh	62,900	262.6
		144	Latur	Maharashtra	62,596	78.3
		145	Thanjavur	Tamil Nadu	62,563	233.7
		146	Ghazipur	Uttar Pradesh	61,302	149.5
		147	Palwal	Haryana	61,214	322.2
		148	Kasganj	Uttar Pradesh	61,048	248.2
		149	Tiruchirappalli	Tamil Nadu	60,993	369.0
		150	Kadapa	Andhra Pradesh	60,921	214.4
		151	Jalaun	Uttar Pradesh	60,798	144.4
60	15,377,288			(20)		
		152	Salem	Tamil Nadu	60,640	207.0
		153	Meerut	Uttar Pradesh	60,601	201.1
		154	Bundi	Rajasthan	60,357	134.4
		155	Bharatpur	Rajasthan	60,237	106.4
		156	South Dinajpur	West Bengal	59,633	171.4
		157	Erode	Tamil Nadu	59,387	324.1
		158	Mehsana	Gujarat	59,220	111.0
		159	Chittorgarh	Rajasthan	59,219	117.7
		160	Balrampur	Uttar Pradesh	59,196	190.2
		161	Kapurthala	Punjab	59,137	218.2
		162	Rampur	Uttar Pradesh	58,980	158.0
		163	Shimoga	Karnataka	58,887	221.5
		164	Haveri	Karnataka	58,570	137.9
		165	Nandurbar	Maharashtra	58,314	165.6
		166	Barnala	Punjab	57,997	220.5
		167	Hamirpur	Uttar Pradesh	57,676	162.7
		168	Chhindwara	Madhya Pradesh	57,531	83.9
		169	Gulbarga	Karnataka	57,458	56.3
		170	Faridkot	Punjab	57,390	229.6

(Continued)

6.17 CLASSIFICATION OF DISTRICTS ACCORDING TO THE PERCENTAGE SHARE OF TOTAL AND PER HECTARE CONSUMPTION OF PLANT NUTRIENTS (N+P ₂ O ₅ +K ₂ O) - 2014-15 (Continued)						
% share to All-India consumption	Cumulative consumption (tonnes) (N+P ₂ O ₅ +K ₂ O)	Ranking of districts	District	State	Consumption (N+P ₂ O ₅ +K ₂ O)	
					Tonnes	Kg/ha
		171	Baleswar	Odisha	57,371	116.3
		172	Gorakhpur	Uttar Pradesh	56,512	149.6
		173	South 24-Parganas	West Bengal	55,881	107.1
65	16,667,483			(22)		
		174	Sambhal	Uttar Pradesh	55,869	167.8
		175	Mahrajganj	Uttar Pradesh	55,725	154.9
		176	Kutch	Gujarat	55,205	74.4
		177	Ratlam	Madhya Pradesh	54,698	130.9
		178	Chandrapur	Maharashtra	54,187	104.1
		179	Samastipur	Bihar	54,095	180.5
		180	Moradabad	Uttar Pradesh	53,924	162.5
		181	Dewas	Madhya Pradesh	53,738	83.5
		182	Mujaffarpur	Bihar	53,706	162.9
		183	Srikakulam	Andhra Pradesh	53,232	158.4
		184	Basti	Uttar Pradesh	53,200	185.7
		185	Ballia	Uttar Pradesh	52,972	151.6
		186	Coimbatore	Tamil Nadu	52,700	298.1
		187	Siddharthnagar	Uttar Pradesh	52,290	148.6
		188	Katihar	Bihar	51,468	198.3
		189	Fatehgarh Sahib	Punjab	51,293	268.5
		190	Bharuch	Gujarat	51,250	160.7
		191	Mainpuri	Uttar Pradesh	51,238	147.0
		192	Chittoor	Andhra Pradesh	50,883	216.2
		193	Nalanda	Bihar	50,709	229.9
		194	Jhalawar	Rajasthan	50,302	86.5
		195	Mahoba	Uttar Pradesh	50,273	160.7
		196	Etah	Uttar Pradesh	49,763	164.4
		197	Rajgarh	Madhya Pradesh	49,742	76.2
70	17,929,945			(24)		
		198	Begusarai	Bihar	49,550	329.5
		199	Tiruvannamalai	Tamil Nadu	49,426	215.9
		200	Patna	Bihar	49,316	217.1
		201	Faizabad	Uttar Pradesh	49,289	180.3
		202	Panipat	Haryana	49,261	259.3
		203	Deoria	Uttar Pradesh	48,885	156.2
		204	Pratapgarh	Uttar Pradesh	48,555	159.9
		205	Amethi	Uttar Pradesh	48,279	162.2
		206	Araria	Bihar	48,057	178.7
		207	Dharwad	Karnataka	47,976	103.1
		208	Bhagalpur	Bihar	47,917	292.0
		209	Osmanabad	Maharashtra	47,583	52.5
		210	Vellore	Tamil Nadu	47,524	240.7
		211	Panchmahal	Gujarat	47,522	129.9
		212	Balodabazar	Chhattisgarh	46,882	147.8
		213	Sultanpur	Uttar Pradesh	46,658	171.5
		214	Mandsaur	Madhya Pradesh	46,498	99.2
		215	Kanpur (Dehat)	Uttar Pradesh	46,231	156.5
		216	Jodhpur	Rajasthan	46,133	30.9
		217	Khagaria	Bihar	46,070	349.7
		218	Nagaur	Rajasthan	46,041	31.4
		219	Vizianagaram	Andhra Pradesh	46,024	168.1

(Continued)

6.17 CLASSIFICATION OF DISTRICTS ACCORDING TO THE PERCENTAGE SHARE OF TOTAL AND PER HECTARE CONSUMPTION OF PLANT NUTRIENTS (N+P ₂ O ₅ +K ₂ O) - 2014-15 (Continued)						
% share to All-India consumption	Cumulative consumption (tonnes) (N+P ₂ O ₅ +K ₂ O)	Ranking of districts	District	State	Consumption (N+P ₂ O ₅ +K ₂ O)	
					Tonnes	Kg/ha
		220	Kodagu	Karnataka	45,367	248.7
		221	Amroha	Uttar Pradesh	45,269	173.4
		222	Rohtak	Haryana	45,210	200.9
		223	Gwalior	Madhya Pradesh	45,147	174.4
		224	Ambala	Haryana	44,392	211.4
75	19,205,006			(27)		
		225	Hathras	Uttar Pradesh	44,319	184.1
		226	Ambedkar Nagar	Uttar Pradesh	44,257	157.6
		227	Rewari	Haryana	43,927	227.6
		228	Bangalore Urban	Karnataka	43,798	856.6
		229	Raebareli	Uttar Pradesh	43,763	154.8
		230	Khandawa	Madhya Pradesh	43,540	103.0
		231	Harda	Madhya Pradesh	43,539	129.8
		232	Bhojpur	Bihar	43,288	184.4
		233	Vaishali	Bihar	43,284	221.2
		234	Bilaspur	Chhattisgarh	43,007	144.6
		235	Bhilwara	Rajasthan	42,971	70.9
		236	Jabalpur	Madhya Pradesh	42,967	105.4
		237	Tonk	Rajasthan	42,695	69.3
		238	S. Madhopur	Rajasthan	42,329	110.9
		239	Betul	Madhya Pradesh	42,152	92.9
		240	Firozabad	Uttar Pradesh	42,140	144.0
		241	Janjgir	Chhattisgarh	41,744	134.2
		242	Rajnandgaon	Chhattisgarh	41,617	78.1
		243	Haridwar	Uttarakhand	41,465	246.7
		244	Akola	Maharashtra	41,447	77.4
		245	Balangir	Odisha	40,965	43.1
		246	Kanpur (Nagar)	Uttar Pradesh	40,804	155.5
		247	Dhamtari	Chhattisgarh	40,721	164.2
		248	Tumkur	Karnataka	40,066	73.7
		249	Shajapur	Madhya Pradesh	39,993	111.7
		250	Mirzapur	Uttar Pradesh	39,973	155.6
		251	Morena	Madhya Pradesh	39,788	104.3
		252	Raigarh	Chhattisgarh	39,572	90.8
		253	Udaipur	Rajasthan	39,407	118.1
		254	Vidisha	Madhya Pradesh	39,203	41.3
80	20,463,747			(30)		
		255	Tiruvarur	Tamil Nadu	38,718	128.8
		256	Rupnagar	Punjab	38,640	266.5
		257	Chitradurga	Karnataka	38,254	83.1
		258	Washim	Maharashtra	38,130	73.9
		259	Badwani	Madhya Pradesh	38,017	195.6
		260	Tirunelveli	Tamil Nadu	37,907	233.8
		261	Balod	Chhattisgarh	37,860	135.1
		262	Coochbehar	West Bengal	37,856	69.1

(Continued)

6.17 CLASSIFICATION OF DISTRICTS ACCORDING TO THE PERCENTAGE SHARE OF TOTAL AND PER HECTARE CONSUMPTION OF PLANT NUTRIENTS (N+P ₂ O ₅ +K ₂ O) - 2014-15 (Concluded)						
% share to All-India consumption	Cumulative consumption (tonnes) (N+P ₂ O ₅ +K ₂ O)	Ranking of districts	District	State	Consumption (N+P ₂ O ₅ +K ₂ O)	
					Tonnes	Kg/ha
		263	S B S Nagar	Punjab	37,651	203.5
		264	Burhanpur	Madhya Pradesh	37,525	340.5
		265	Hingoli	Maharashtra	37,399	74.0
		266	Nabarangpur	Odisha	37,373	154.4
		267	Gaya	Bihar	36,964	181.5
		268	Madhepura	Bihar	36,780	252.8
		269	Durg	Chhattisgarh	36,553	184.9
		270	Gandhinagar	Gujarat	36,253	163.7
		271	Visakhapatnam	Andhra Pradesh	36,252	160.4
		272	Madurai	Tamil Nadu	36,070	325.9
		273	Patan	Gujarat	35,919	71.7
		274	Auraiya	Uttar Pradesh	35,479	148.4
		275	Kalahandi	Odisha	35,291	54.5
		276	Aurangabad	Bihar	34,879	124.6
		277	Kannauj	Uttar Pradesh	34,817	159.8
		278	Tiruvallur	Tamil Nadu	34,695	233.8
		279	Etawah	Uttar Pradesh	34,580	144.0
		280	Banswara	Rajasthan	34,554	83.0
		281	Saran	Bihar	34,539	149.6
		282	Chandauli	Uttar Pradesh	34,526	145.4
		283	Shivpuri	Madhya Pradesh	34,409	55.1
		284	Darbhanga	Bihar	34,082	159.4
		285	Nagaon	Assam	33,961	113.5
		286	Bhopal	Madhya Pradesh	33,903	145.2
		287	Bagpat	Uttar Pradesh	33,821	193.6
		288	Bhandara	Maharashtra	33,780	143.6
		289	Seoni	Madhya Pradesh	33,590	61.0
		290	Bikaner	Rajasthan	33,520	17.4
85	21,758,296			(36)		

**6.18 CLASSIFICATION OF DISTRICTS ACCORDING TO RANGES OF FERTILISER CONSUMPTION @
(N+P₂O₅+K₂O) 2014-15 and 2013-14**

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
East															
Assam	4197	2811	160	161	4	26 (26)	1 (1)	-	4 (5)	4 (1)	4 (6)	7 (7)	5 (5)	1 (1)	-
Bihar	7777	5402	5327	3053	68	38 (38)	12 (9)	10 (9)	13 (14)	2 (4)	1 (2)	-	-	-	-
Jharkhand	1657	1406	235	210	14	24 (24)	1 (4)	- (1)	2 (5)	1 (4)	3 (7)	6 (1)	5 (2)	4 (-)	2 (-)
Odisha	5069	4386	1496	1248	30	30 (30)	-	1 (1)	4 (3)	- (1)	5 (9)	17 (13)	2 (2)	1 (1)	-
West Bengal	9678	5205	6105	3082	63	18 (18)	3 (1)	5 (4)	7 (9)	- (1)	1 (1)	1 (1)	-	-	1 (1)
North															
Haryana	6375	3513	5672	3102	89	21 (21)	13 (9)	1 (5)	6 (4)	1 (3)	-	-	-	-	-
Himachal Pradesh	947	543	195	110	21	12 (12)	-	-	3 (2)	- (1)	3 (3)	5 (5)	1 (1)	-	-
Jammu & Kashmir	1162	745	487	325	42	22 (22)	-	1 (-)	4 (4)	2 (3)	3 (4)	7 (6)	4 (4)	1 (1)	-
Punjab	7870	4150	7744	4115	98	20 (20)	16 (15)	3 (5)	1.00 (-)	-	-	-	-	-	-
Uttar Pradesh	25821	16564	20191	13929	78	75 (75)	6 (3)	54 (27)	15 (45)	-	-	-	-	-	-
Uttarakhand	1124	706	554	338	49	13 (13)	2 (2)	-	1 (1)	-	1 (1)	-	1 (1)	2 (2)	6 (6)

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(Continued)

**6.18 CLASSIFICATION OF DISTRICTS ACCORDING TO RANGES OF FERTILISER CONSUMPTION @
(N+P₂O₅+K₂O) 2014-15 and 2013-14 (Concluded)**

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
South															
Andhra Pradesh & Telangana	13650	11117	6268	4575	46	22 (22)	15 (12)	3 (3)	3 (6)	1 (1)	- (1)	- (1)	- (1)	- (1)	- (1)
Karnataka	11748	9793	4007	3421	34	30 (30)	8 (7)	4 (8)	10 (6)	1 (1)	7 (6)	- (2)	- (1)	- (1)	- (1)
Kerala	2592	2048	458	396	18	14 (14)	- (3)	- (2)	3 (2)	4 (6)	4 (2)	3 (1)	- (1)	- (1)	- (1)
Tamil Nadu	5140	4544	2991	2643	58	31 (31)	12 (13)	4 (3)	8 (4)	2 (7)	5 (3)	- (1)	- (1)	- (1)	- (1)
West															
Gujarat	12600	10302	5913	4233	47	26 (26)	2 (2)	9 (3)	9 (12)	2 (6)	3 (2)	- (1)	1 (1)	- (1)	- (1)
Madhya Pradesh	23130	15352	8966	8550	39	51 (50)	1 (1)	4 (3)	14 (15)	9 (8)	7 (7)	11 (12)	3 (3)	1 (1)	1 (1)
Chhattisgarh	5691	4671	1725	1449	30	27 (27)	1 (1)	2 (2)	5 (6)	6 (4)	2 (1)	6 (7)	3 (3)	1 (3)	1 (1)
Maharashtra	21874	17344	4041	3244	18	34 (33)	3 (3)	6 (5)	13 (11)	6 (9)	4 (3)	2 (2)	- (1)	- (1)	- (1)
Rajasthan	23954	17479	9455	7499	39	33 (33)	- (3)	1 (1)	8 (7)	6 (6)	6 (7)	7 (6)	3 (5)	2 (2)	- (1)
Total (20 States)	192056	138081	91990	65683		567* (565)*	96 (83)	108 (82)	133 (161)	47 (65)	59 (65)	72 (64)	28 (26)	13 (12)	11 (7)
All India Total	194399	139932	92575	66103	48										
@ = Of gross cropped area		# = Data for 2012-13 (latest available).													
() = For 2013-14		* = Excludes the districts of small states/UTs.													

7.00 SUMMARY TABLES

7.01 ALL-INDIA PRODUCTION, IMPORTS, DESPATCHES AND CONSUMPTION OF FERTILISERS 1951-52 to 2014-15 (April-March) (a) N, P ₂ O ₅ and N+P ₂ O ₅												
Sl. No.	Year	Nitrogen (N)						Phosphate (P ₂ O ₅)				
		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	VI Plan	3143.3	1055.1	3881.7	4068.7	45.3	10.6	950.0	343.2	1154.7	1322.3
18.	1982-83		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	VII Plan	5412.2	1105.6	6528.7	5716.0	25.2	1.0	1661.9	279.3	2197.7	2078.9
23.	1987-88		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	VIII Plan	7231.2	1588.8	8287.7	8788.3	-2.7	4.3	1874.3	721.7	2673.3	2669.3
30.	1994-95		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		12408.6	3920.3	16421.5	16750.1	1.4	-0.4	3970.2	1588.2	5499.3	5633.5
50.	2014-15		12434.6	4813.0	16968.4	16945.4	0.2	1.2	4110.2	1902.9	5987.8	6098.4

(Continued)

7.01 ALL-INDIA PRODUCTION, IMPORTS, DESPATCHES AND CONSUMPTION OF FERTILISERS 1951-52 to 2014-15 (April-March) (Continued) (a) N, P ₂ O ₅ and N+P ₂ O ₅ (Concluded)										
Sl. No.	Year	Phosphate (P ₂ O ₅)		N+P ₂ O ₅						
		+/- % over the previous year		Quantity ('000 tonnes)				+/- % over the previous year		
		Production	Consumption	Production	Import	Despatches	Consumption	Production	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	I I 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		-3.5	-1.0	1827.7	1357.0	2282.3	2615.4	20.5	16.9
12.	1976-77	V Plan	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		3.8	-15.3	16378.8	5508.5	21920.8	22383.6	2.0	-4.6
50.	2014-15		3.5	8.3	16544.8	6715.9	22956.2	23043.8	1.0	2.9

(Continued)

7.01 ALL-INDIA PRODUCTION, IMPORT, DESPATCHES AND CONSUMPTION OF FERTILISERS 1951-52 to 2014-15 (April-March) (Continued) (b) K ₂ O and N+P ₂ O ₅ +K ₂ O								
Sl. No.	Year	Potash (K ₂ O)				+/- % over the previous year Consumption	N+P ₂ O ₅ +K ₂ O	
		Quantity ('000 tonnes)			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		1954.4	2056.9	2098.9	1.8	16378.8	7462.8
50.	2014-15		2588.0	2576.2	2532.3	20.6	16544.8	9303.8

Note : 1. From 1951-52 to 1960-61 despatch figures are treated as consumption.

= N+P₂O₅

(Continued)

7.01 ALL-INDIA PRODUCTION, IMPORTS, DESPACHES AND CONSUMPTION OF FERTILISERS 1951-52 to 2014-15 (April-March) (Concluded) (b) K ₂ O and N+P ₂ O ₅ +K ₂ O (Concluded)						
Sl. No.	Year	N+P ₂ O ₅ +K ₂ 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	I I 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		23977.7	24482.4	2.0	-4.1
50.	2014-15		25532.5	25576.1	1.0	4.5

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 2013-14 and 2014-15 (April - March)						
(' 000 tonnes)						
Fertiliser	Production		Import		Consumption	
	2013-14	2014-15 (P)	2013-14	2014-15 (P)	2013-14	2014-15 (P)
I. Straight 'N'						
1. Ammonium Sulphate (20.6 % N)	624.1	585.5	2.9	155.3	480.7	508.6
2. Urea (46% N)	22,718.7	22,592.9	7,088.0	8,749.0	30,600.5	30,610.0
3. CAN (25% N)	44.4	-	-	-	51.9	7.7
4. Ammonium Chloride (25% N)	7.7	40.4	-	-	2.4	0.9
II. Straight 'P₂O₅'						
1. Single Superphosphate (16% P ₂ O ₅)	4,200.1	4,174.8	-	-	3,879.3	3,989.3
2. Triple Superphosphate (46% P ₂ O ₅)	-	-	-	-	3.6	1.8
3. Rock Phosphate (for direct application)	-	-	-	-	16.4	31.8
III. Straight 'K₂O'						
1. Muriate of Potash (60% K ₂ O)	-	-	3,180.0	4,197.0	2,280.4	2,853.4
2. Sulphate of Potash (50% K ₂ O)	-	-	57.5	78.0	30.5	19.0
IV. NP/NPK Fertilisers						
16-20-0-13 (APS)	181.7	81.3	-	-	163.7	135.7
20-20-0-13 (APS)	2,669.9	3,008.7	157.6	145.0	3,336.8	3,801.9
20-20-0	373.1	466.5	94.0	-		
15-15-15*	338.1	420.0	-	-	380.3	321.1
14-35-14	138.5	240.2	-	-	152.6	229.0
18-46-0 (DAP)	3,628.2	3,445.4	3,261.1	3,853.0	7,357.4	7,625.6
24-24-0	242.8	39.0	-	-	245.5	73.3
24-24-0-8	2.5	30.7				
11-52-0 (MAP)	-	-	38.6	136.0	1.4	0.9
28-28-0	371.4	449.0	-	-	311.6	415.5
14-28-14	-	-	-	-	1.5	0.6
19-19-19	91.1	78.3	-	-	87.7	68.1
17-17-17	65.5	82.6	-	-	55.7	83.5
13-33-0-6(S)	-	-	-	-	2.8	3.6
16-16-16	-	-	110.0	72.0	55.4	209.6
12-32-16	854.2	1,083.0	-	-	815.1	1,090.4
10-26-26	1,617.1	1,850.0	-	74.0	1,654.8	1,845.2
I. Total Product	38,169.2	38,668.3	13,989.7	17,459.3	51,968.0	53,926.3
Total Complex (Other than DAP/MAP)	6,946.0	7,829.3	361.6	291.0	7,263.5	8,277.5
II. (a) Total (Straight)						
N	10,592.2	10,523.4	3,261.1	4,056.5	14,188.8	14,187.5
	(85.4)	(84.6)	(83.2)	(84.3)	(84.7)	(83.7)
P₂O₅	672.0	668.0	-	-	625.6	645.5
	(16.9)	(16.3)	-	-	(11.1)	(10.6)
K₂O	-	-	1,936.8	2,557.2	1,383.5	1,721.5
			(99.1)	(98.8)	(65.9)	(68.0)
(b) Total (through NP/NPKs)						
N	1,816.4	1,911.2	659.2	756.5	2,561.3	2,757.9
	(14.6)	(15.4)	(16.8)	(15.7)	(15.3)	(16.3)
P₂O₅	3,298.2	3,442.2	1,588.2	1,902.9	5,007.8	5,452.9
	(83.1)	(83.7)	(100.0)	(100.0)	(88.9)	(89.4)
K₂O	-	-	17.7	30.8	715.4	810.8
			(0.9)	(1.2)	(34.1)	(32.0)
(c) Grand Total [II(a)+II(b)]						
N	12,408.6	12,434.6	3,920.3	4,813.0	16,750.1	16,945.4
					@	@
P₂O₅	3,970.2	4,110.2	1,588.2	1,902.9	5,633.5	6,098.4
K₂O	-	-	1,954.4	2,588.0	2,098.9	2,532.3
Total Nutrients (N+P₂O₅+K₂O)	16,378.8	16,544.8	7,462.8	9,303.8	24,482.4	25,576.1
(P) = Provisional. @ = Includes rock phosphate for direct application.						
* = Includes 15-15-15-09						
() = Per cent share to total nutrients.						

**7.03 CAPACITY, PRODUCTION AND CONSUMPTION OF N, P₂O₅ & K₂O WITH SURPLUS/ DEFICIT - STATE-WISE
2014-15 (April- March) (Provisional)**

(000 tonnes)

Zone/ State	N				P ₂ O ₅				N+P ₂ O ₅				K ₂ O	Total (N+P ₂ O ₅ + K ₂ O) Consumption
	Capacity	Production	Consumption	Surplus- Deficit	Capacity	Production	Consumption	Surplus- Deficit	Capacity	Production	Consumption	Surplus- Deficit	Consumption	
East	829.5	750.3	2,339.5	-1589.2	1,561.7	1,274.8	831.5	443.3	2,391.2	2,025.1	3,171.0	-1145.9	579.6	3,750.6
Arunachal Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Assam	234.6	165.2	155.9	9.3	7.2	3.8	50.2	-46.4	241.8	169.0	206.1	-37.1	80.3	286.4
Bihar	-	-	999.9	-999.9	4.8	-	235.1	-235.1	4.8	-	1,235.0	-1235.0	111.2	1,346.2
Jharkhand	7.5	5.0	91.8	-86.8	-	-	19.6	-19.6	7.5	5.0	111.4	-106.4	3.2	114.6
Manipur	-	-	11.0	-11.0	-	-	2.2	-2.2	-	-	13.2	-13.2	1.9	15.1
Meghalaya	-	-	-	0.0	-	-	-	0.0	-	-	-	0.0	-	-
Mizoram	-	-	-	0.0	-	-	-	0.0	-	-	-	0.0	-	-
Nagaland	-	-	1.3	-1.3	-	-	0.8	-0.8	-	-	2.1	-2.1	0.5	2.6
Odisha	461.0	492.9	314.1	178.8	1,133.8	1,005.5	126.2	879.3	1,594.8	1,498.4	440.3	1058.1	59.2	499.5
Sikkim	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tripura	-	-	8.6	-8.6	-	-	6.6	-6.6	-	-	15.2	-15.2	3.9	19.1
West Bengal	126.4	87.2	756.9	-669.7	415.9	265.4	390.8	-125.4	542.3	352.6	1,147.7	-795.1	319.2	1,466.9
North	4,160.5	4,161.5	5,780.3	-1618.8	140.6	44.1	1,561.3	-1517.2	4,301.1	4,205.6	7,341.6	-3136.0	293.0	7,634.6
Haryana	235.0	235.3	1,013.3	-778.0	24.3	4.7	253.7	-249.0	259.3	240.0	1,267.0	-1027.0	36.2	1,303.2
Himachal Pradesh	-	-	35.0	-35.0	-	-	8.5	-8.5	-	-	43.6	-43.6	9.5	53.1
Jammu & Kashmir	-	-	65.0	-65.0	-	-	29.9	-29.9	-	-	94.9	-94.9	15.1	110.1
Punjab	455.1	477.8	1,352.1	-874.3	-	-	328.2	-328.2	455.1	477.8	1,680.2	-1202.4	37.5	1,717.8
Uttar Pradesh	3,470.4	3,448.4	3,169.0	279.5	116.3	39.4	915.4	-876.0	3,586.7	3,487.8	4,084.3	-596.5	187.3	4,271.6
Uttarakhand	-	-	137.4	-137.4	-	-	25.7	-25.7	-	-	163.0	-163.0	7.3	170.4
Chandigarh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Delhi	-	-	8.6	-8.6	-	-	-	-	-	-	8.6	-8.6	-	8.6

(Continued)

7.03 CAPACITY, PRODUCTION AND CONSUMPTION OF N, P₂O₅ & K₂O WITH SURPLUS/ DEFICIT - STATE-WISE

2014-15 (April- March) (Provisional) (Concluded)

(000 tonnes)

Zone/ State	N				P ₂ O ₅				N+P ₂ O ₅				K ₂ O	Total
	Capacity	Production	Consumption	Surplus- Deficit	Capacity	Production	Consumption	Surplus- Deficit	Capacity	Production	Consumption	Surplus- Deficit	Consumption (P)	(N+P ₂ O ₅ + K ₂ O) Consumption
South	2,492.2	1,669.1	3,619.4	-1950.3	2,034.7	1,057.9	1,478.4	-420.5	4,526.9	2,727.0	5,097.8	-2370.8	887.5	5,985.4
Andhra Pradesh	1,367.6	852.1	1,076.6	-224.5	1,302.3	630.2	443.6	186.6	2,669.9	1,482.3	1,520.2	-37.9	218.7	1,738.8
Telangana	-	-	827.0	-827.0	5.3	-	268.2	-268.2	5.3	-	1,095.2	-1095.2	82.4	1,177.6
Karnataka	222.2	146.4	1,001.6	-855.2	126.0	74.7	498.1	-423.4	348.2	221.1	1,499.7	-1278.6	332.3	1,832.0
Kerala	173.1	145.4	104.5	40.9	126.7	120.6	43.1	77.5	299.8	266.0	147.7	118.3	61.8	209.5
Tamil Nadu	729.3	525.2	601.3	-76.1	474.4	232.4	223.3	9.1	1,203.7	757.6	824.6	-67.0	190.2	1,014.8
Puducherry	-	-	8.0	-8.0	-	-	1.7	-1.7	-	-	9.7	-9.7	1.9	11.6
A & N Islands	-	-	0.5	-0.5	-	-	0.4	-0.4	-	-	0.9	-0.9	0.3	1.1
West	6,072.7	5,853.7	5,206.2	647.5	3,099.0	1,733.4	2,227.2	-493.8	9,171.7	7,587.1	7,433.4	153.7	772.2	8,205.6
Gujarat	2,430.8	2,281.3	1,217.5	1063.8	1,606.3	987.3	352.0	635.3	4,037.1	3,268.6	1,569.5	1699.1	114.5	1,684.0
Madhya Pradesh	950.4	960.8	1,119.1	-158.3	315.8	119.4	605.7	-486.3	1,266.2	1,080.2	1,724.8	-644.6	72.1	1,796.9
Chhattisgarh	11.3	7.2	373.1	-365.9	32.2	23.1	175.5	-152.4	43.5	30.3	548.7	-518.4	56.7	605.4
Maharashtra	1,244.1	1,317.7	1,541.0	-223.3	472.3	231.0	760.9	-529.9	1,716.4	1,548.7	2,301.9	-753.2	512.8	2,814.7
Rajasthan	1,100.6	1,035.0	952.4	82.7	428.2	177.4	331.5	-154.1	1,528.8	1,212.4	1,283.8	-71.4	15.2	1,299.0
Goa	335.5	251.8	2.5	249.3	244.2	195.4	1.1	194.3	579.8	447.2	3.7	443.5	0.9	4.5
Daman & Diu	-	-	-	0.0	-	-	-	0.00	-	-	-	0.0	-	-
D & N Haveli	-	-	0.6	-0.6	-	-	0.4	-0.4	-	-	1.1	-1.1	-	1.1
All India	13,554.9	12,434.6	16,945.4	-4510.8	6,836.0	4,110.2	6,098.4	-1988.2	20,390.9	16,544.8	23,043.8	-6499.0	2,532.3	25,576.1

(P) = Provisional.

Note = 1) Capacity figures are as on 1st November 2015.

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

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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 ⁶ (18-46-0)	Single Super-phosphate (16% w.s. P ₂ O ₅)	Muriate of potash (60% K ₂ O)
Nutrient	(N)	(N)	(N)	(P ₂ O ₅)	(P ₂ O ₅)	(K ₂ O)
30-3-1972	2.72	2.08	2.26	1.89 ¹	3.17 ²	0.92 ¹
11-10-1973	2.96	2.28	2.46	2.01	3.27 ²	1.13
1-6-1974	4.54	4.35	4.38	4.83	5.63	2.05
18-7-1975	4.54	4.02	4.38	4.52	6.78	1.97
				4.08 ³	5.85 ³	1.83 ³
16-3-1976	4.54	3.80	4.38	4.17	4.51	1.52
8-2-1977	4.54	3.59	4.38	3.40	3.57	1.34
12-10-1977	4.54	3.37	4.06	3.49	3.57	1.34
2-2-1979	4.54	3.37	4.06	3.49	3.61 ⁴	1.34
10-3-1979	4.37	3.15		3.55	3.65 ⁵	1.34
8-6-1980*	Decontrolled	4.35	Decontrolled	4.93	5.27 ⁶	1.83
2-7-1980*	7.28 ⁷	4.35	6.40	4.93	5.27 ⁶	1.83
11-7-1981*	7.21 ⁷	5.11	6.40	5.83	5.74 ⁸ (5.87)	2.17
29-6-1983	7.28 ⁷	4.67	6.20 ⁹	5.46	5.31	2.00
31-1-1986	8.01	5.11	6.80	5.83	5.94	2.17
25-7-1991	Decontrolled	7.17	Decontrolled	8.15	8.38	3.03
14-8-1991	"	6.65	"	7.57	7.75	2.83
1992-93 (w.e.f 25-8-1992)**	9.32	6.00	8.00	11.78-12.43**	15.00-17.50**	7.50**
1993-94	N.A.	6.00	N.A.	11.13-12.87	11.25-17.25	6.00-6.67
1994-95 - Kharif (prior to 10-6-94)	N.A.	6.00	"	12.65-14.54	11.63-15.50	5.94-6.50
" (w.e.f 10-6-94)	15.44	7.22	"	12.18-14.07	11.63-15.50	5.94-6.50
" Rabi	15.44	7.22	"	13.58-16.30	13.13-16.88	6.13-6.57
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
2002-03 (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 ¹⁰	10.50	37.38-44.80	16.22	21.25 ¹¹	7.43
2009-10	50.24 ¹⁰	10.50	39.28-44.80	16.22	21.25 ¹²	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 ¹³	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.	45.95\$	47.54\$	27.74\$

¹ w.e.f. March 17, 1972. ⁶ w.e.f. June 7, 1980. ¹¹ w.e.f. 1.5.2008 ¹³ w.e.f. 1.11.2012.
² As on April 1, 1972. ⁷ For imported pool material. ¹² Upto Sept. 30, 2009. W.e.f. 1.10.2009, G.O.I. has
³ w.e.f. December 1, 1975. ⁸ w.e.f. August 1, 1981. decided to leave the selling prices of SSP open.
⁴ w.e.f. November 1, 1978 ⁹ Statutorily controlled w.e.f. 21-8-1984. # = Inclusive of all taxes
⁵ w.e.f. March 22, 1979. ¹⁰ w.e.f. 1.7.2008 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. @ = P₂O₅ 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 2014-15 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 ²
Jan. 31, 1986	2350	-	3770
July 25, 1991	3300	-	5280
Aug. 14, 1991	3060	4220 ¹	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: <ul style="list-style-type: none"> (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. ¹ = w.e.f. February 10, 1992 ² = 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 ¹	6483-7700 (K)	
	5925-6225 ²	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		
@ = w.e.f. 1-7-2008. ¹ = prior to 1.8.2005 ² = 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 2014-15 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
I. STATUTORILY CONTROLLED						
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
II. DECONTROLLED (w.e.f. Aug. 25, 1992)						
Rabi 1992-93	6500 to 6800					
1993-94 (Kharif & Rabi)	6200 to 7000			4120 to 6850		
Kharif 1994	6900 to 7770	5482 to 6100	5065 to 6265		6751 to 7770	6848 to 7773
Rabi 1994-95	7544 to 8799	5601 to 6565	5765 to 6583		6966 to 8799	8100 to 8799
Kharif 1995	9099 to 9800	6466 to 6879	6000 to 7680		7909 to 9300	8738 to 8839
Rabi 1995-96	9629 to 10247	6854 to 6904	6000 to 7365		8680 to 9256	9029
Kharif 1996	7575 to 8740	5942 to 6731	5131 to 7061		7495 to 8753	7715 to 7941
Rabi 1996-97	8161 to 9100	6330 to 7300	6165 to 7300		7864 to 8900	7806 to 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
I. STATUTORILY CONTROLLED								
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 ¹	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
II. DECONTROLLED								
(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
¹ = 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 ₂ O ₅		14% w.s. P ₂ O ₅	
	(Powder)	(Granular)	(Powder)	
July 11, 1981	940 ⁶	1070 ⁷	820 ⁷	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 16% w.s. P ₂ O ₅			Muriate of potash
	(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 ⁸
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)

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 (Concluded)			
II. DECONTROLLED (w.e.f. Aug. 25, 1992) (Concluded)			(Rs./tonne of product)
Product / Period / Effective date	Single super phosphate 16% w.s. P ₂ O ₅		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. ⁶ = w.e.f. May 23, 1982. ⁷ = w.e.f. July 13, 1982.
 [] = Price of boronated SSP. ⁸ = 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)

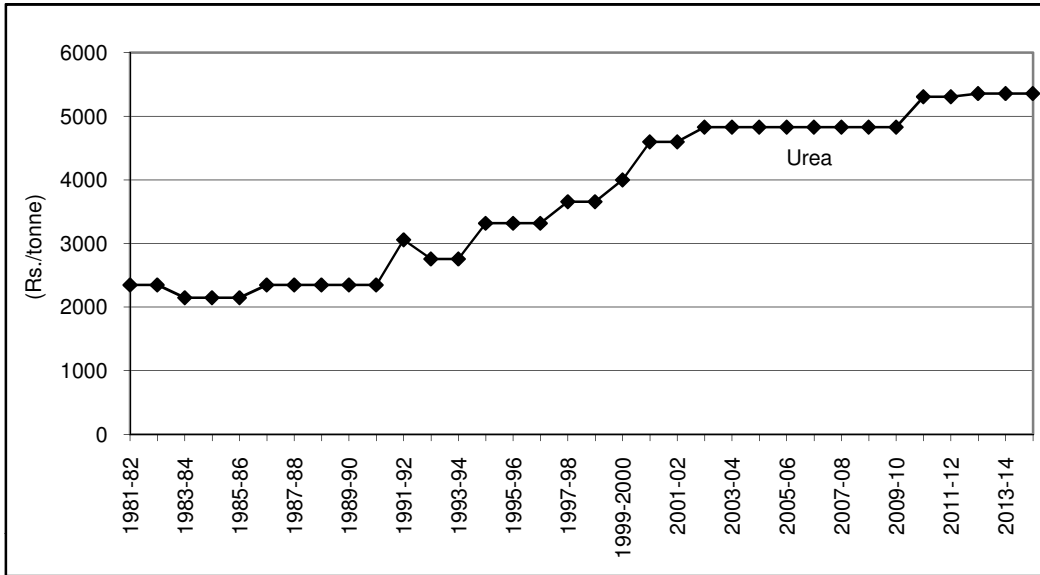
8.02 MAXIMUM RETAIL PRICES OF FERTILISERS (Exclusive of VAT/ State sales tax and local taxes) (Concluded) 2010-11 and 2011-12						
C. PHOSPHATIC AND POTASSIC FERTILISERS (Concluded) (Rs / tonne)						
Fertiliser	2010-11		2011-12			
	Quarters I - III (April/Dec.'10)	Quarter IV (Jan./March'11)	Quarter 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 ₂ O ₅ (Powder)	3200	3200	3200	4000-6000	4000-6000	6000-6286
TSP (46% WS P ₂ O ₅)	8057	8057	8057	8057	8057-17000	17000
MOP (60 % K ₂ 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.

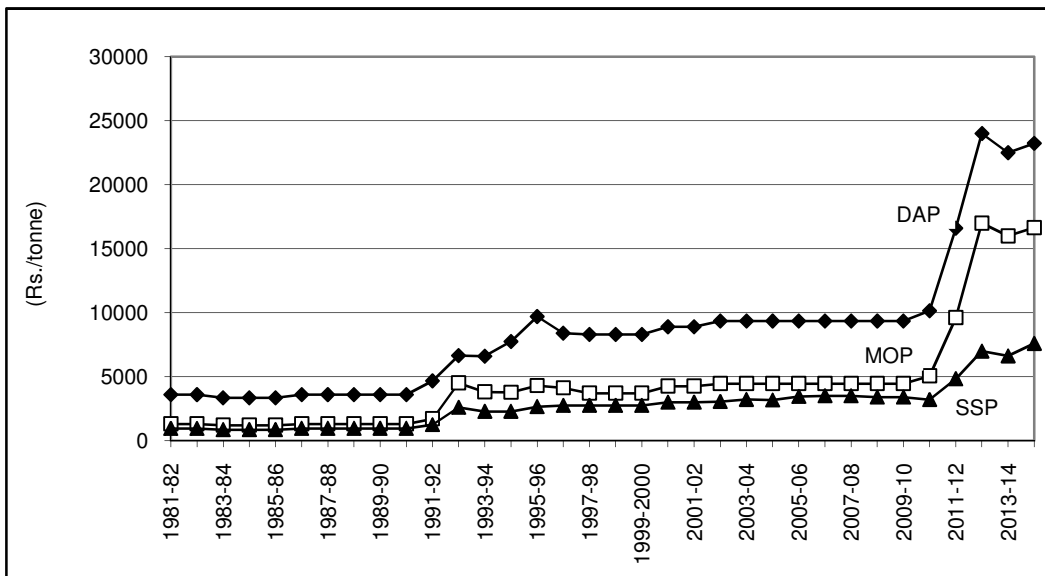
Note: Nutrient Based Subsidy (NBS) on P&K fertilisers and A/S was introduced w.e.f. 1.4.2010. Under NBS, retail prices are open and announced by the individual companies. The prices shown for 2010-11 and 2011-12 are indicative prices.

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
1981-82 TO 2014-15**



**Fig. 13: AVERAGE RETAIL PRICES OF DAP, SSP AND MOP
1981-82 TO 2014-15***



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

* = MRP for 2010-11 to 2014-15 are the average prices during the year.

8.03(a) ECONOMICS OF APPLICATION OF N, P ₂ O ₅ & K ₂ 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)+
A. FERTILISER & FOODGRAINS PRICES (Rs./Kg.)							
Nutrient prices (Rs./Kg.)							
1. N based on Urea	2.01	5.11	6.65	6.65	6.00	7.22	7.22
2. P ₂ O ₅ based on :							
SSP	2.89	4.88	7.75	7.75	15.00	14.29	16.25
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 ₂ O based on MOP	0.89	2.17	2.83	2.83	7.50	6.03	7.00
						to	to
						7.57	8.00
Output prices(Rs./Kg.) (Crop Year)							
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. PHYSICAL RETURN							
PADDY							
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 ₂ O ₅							
- as SSP	5.45	4.24	3.37	2.87	5.56	3.97	4.51
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 ₂ 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. + = This represents effective date from which particularly prices changed. @ = Urea price reduced by 10%, P₂O₅ and K₂O prices decontrolled. Prices of P₂O₅ and K₂O 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 ₂ O ₅ & K ₂ O ON PADDY, WHEAT, GRAM AND SORGHUM (Cont.)								
Particulars	2001-02		2005-06	2010-11	2011-12	2012-13	2013-14	2014-15
	Prior to Feb. 28 2002	w.e.f Feb. 28 2002						
A. FERTILISER & FOODGRAINS PRICES (Rs./Kg.)								
Nutrient prices (Rs./Kg.)								
1. N based on Urea	10.00	10.50	10.50	11.54	11.54	11.59*	11.65	11.65
2. P ₂ O ₅ based on :								
SSP	15.63	15.63	16.25	20.00	20.00	43.78	41.43	47.54
	to	to	to		to			
	21.88	21.88	26.88		39.29			
DAP	15.43	16.22	16.22	17.11	18.85	47.62	44.35	45.95
				to	to			
				18.85	39.61			
3. K ₂ O based on MOP	7.09	7.43	7.43	8.43	10.00	28.33	26.67	27.74
					to			
					20.13			
Output prices(Rs./Kg.) (Crop Year)								
4. Procurement prices of paddy	5.30	5.30	5.70	10.00	10.80	12.50	13.10	13.60
			@	@				
5. Procurement prices of wheat	6.20	6.20	7.00	11.70	12.85	13.50	14.00	14.50
6. Procurement prices of gram	12.00	12.00	14.35	21.00	28.00	30.00	31.00	31.75
7. Procurement prices of sorghum	4.85	4.85	5.25	8.80	9.80	15.00	15.00	15.30
B. PHYSICAL RETURN								
PADDY								
8. Kg. of paddy required to buy 1 kg. N	1.89	1.98	1.84	1.15	1.07	0.93	0.89	0.86
9. Kg. of paddy required to buy 1 kg. P ₂ O ₅								
- as SSP	2.95	2.95	2.85	2.00	1.85	3.50	3.16	3.50
	to	to	to		to			
	4.13	4.13	4.72		3.64			
- as DAP	2.91	3.06	2.85	1.71	1.75	3.81	3.39	3.38
				to	to			
				1.89	3.67			
10. Kg. of paddy required to buy 1 kg. K ₂ O	1.34	1.40	1.30	0.84	0.93	2.27	2.04	2.04
					to			
					1.86			
* = Average price. @ = Includes an additional incentive bonus of Rs. 50 per quintal was paid over the MSP.								

(Continued)

8.03(a) ECONOMICS OF APPLICATION OF N, P ₂ O ₅ & K ₂ 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. PHYSICAL RETURN							
WHEAT							
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 ₂ O ₅							
- 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	to
					3.77	4.86	5.12
13. Kg. of wheat required to buy 1 kg. K ₂ O	1.17	1.67	1.13	0.86	2.27	1.59	1.84
						to	to
						1.99	2.11
GRAM							
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 ₂ O ₅							
- as SSP		3.37	1.55	1.29	2.50	2.04	2.32
to		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	to
					2.07	2.64	2.78
16. Kg. of gram required to buy 1 kg. K ₂ O		1.50	0.57	0.47	1.25	0.86	1.00
						to	to
						1.08	1.14
SORGHUM							
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 ₂ O ₅							
- 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	to
					5.18	6.16	6.48
19. Kg. of sorghum required to buy 1 kg. K ₂ 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 ₂ O ₅ & K ₂ O ON PADDY, WHEAT, GRAM AND SORGHUM (Concluded)								
Particulars	2001-02		2005-06	2010-11	2011-12	2012-13	2013-14	2014-15
	Prior to Feb. 28 2002	w.e.f Feb. 28 2002						
B. PHYSICAL RETURN								
WHEAT								
11. Kg. of wheat required to buy 1 kg. N	1.61	1.69	1.50	0.99	0.90	0.86	0.83	0.80
12. Kg. of wheat required to buy 1 kg. P ₂ O ₅								
- as SSP	2.52	2.52	2.32	1.71	1.56	3.24	2.96	3.28
	to	to	to		to			
	3.53	3.53	3.84		3.06			
- as DAP	2.49	2.62	2.32	1.46	1.47	3.53	3.17	3.17
					to			
					3.08			
13. Kg. of wheat required to buy 1 kg. K ₂ O	1.14	1.20	1.06	0.72	0.78	2.10	1.91	1.91
					to			
					1.57			
GRAM								
14. Kg. of gram required to buy 1 kg. N	0.83	0.88	0.73	0.55	0.41	0.39	0.38	0.37
15. Kg. of gram required to buy 1 kg. P ₂ O ₅								
- as SSP	1.30	1.30	1.13	0.95	0.71	1.46	1.34	1.50
	to	to	to		to			
	1.82	1.82	1.87		1.40			
- as DAP	1.29	1.35	1.13	0.81	0.67	1.59	1.43	1.45
					to			
					1.41			
16. Kg. of gram required to buy 1 kg. K ₂ O	0.59	0.62	0.52	0.40	0.36	0.94	0.86	0.87
					to			
					0.72			
SORGHUM								
17. Kg. of sorghum required to buy 1 kg. N	2.06	2.16	2.00	1.31	1.18	0.77	0.78	0.76
18. Kg. of sorghum required to buy 1 kg. P ₂ O ₅								
- as SSP	3.22	3.22	3.10	2.27	2.04	2.92	2.76	3.11
	to	to	to		to			
	4.51	4.51	5.12		4.01			
- as DAP	3.18	3.34	3.09	1.94	1.92	3.17	2.96	3.00
					to			
					4.04			
19. Kg. of sorghum required to buy 1 kg. K ₂ O	1.46	1.53	1.42	0.96	1.02	1.89	1.78	1.81
					to			
					2.05			

8.03 (b) ECONOMICS OF SULPHUR FERTILISER APPLICATION												
Crop	Price (2014-15)		Yield increase*		Value of grain		Value : Cost					
	Rs./kg		kg grain/kg S		Rs./kg S		ratio					
Paddy	13.60		28		380.8		6.8					
Wheat	14.50		24		348.0		6.2					
Maize	13.10		26		340.6		6.1					
Sorghum	15.30		20		306.0		5.5					
Soybean	25.00		12		300.0		5.4					
Groundnut	40.00		9		360.0		6.4					
Mustard	31.00		20		620.0		11.1					
* = Data presented in the TSI/FAI/IFA Symposium on 'Sulphur in Balanced Fertilization' held during October 4-5, 2006 at New Delhi. 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		K
			N	NP	NK	NPK	N	NK	N	NP		
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				P over		K over		
				N	NP	NK	NPK	N	NK	N	NP	
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, 2015)			
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)
East			
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
North			
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
South			
Andhra Pradesh	VAT	5%	Y
Karnataka	VAT	5.5%	Y
Telangana	VAT	5%	Y
West			
Gujarat	VAT	5%	Y
Madhya Pradesh	VAT	5%	Y
	Entry Tax	1%	Y
Chhattisgarh	VAT	5%	Y
Maharashtra	VAT	5%	Y
	Entry Tax	1%	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%	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.			

8.05 SUBSIDY ON SOIL CONDITIONERS (By State Governments)	
Zone/State	Subsidy on Gypsum / Fertiliser
North	
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.
West	
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			Total	
	Imported	Indigenous			
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 2015-16)					(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
			[41,824]	[29,427]	[71,251]
2014-15 (RE)	12,100	38,200	50,300	20,667	70,967
			[47,400]	[24,670]	[72,070]
2015-16 (BE)	12,300	38,200	50,500	22,469	72,969
* = 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.					

8.06 (c) CENTRAL SUBSIDY ON FOOD

(1976-77 to 2015-16)

(Rs. crore)

Year	Food Subsidy	Year	Food Subsidy
1976-77	477	1996-97	6,066
1977-78	480	1997-98	7,900
1978-79	569	1998-99	9,100
1979-80	600	1999-2000	9,434
1980-81	650	2000-01	12,060
1981-82	700	2001-02	17,499
1982-83	711	2002-03	24,176
1983-84	835	2003-04	25,181
1984-85	1,101	2004-05	25,798
1985-86	1,650	2005-06	23,077
1986-87	2,000	2006-07	24,014
1987-88	2,000	2007-08	31,328
1988-89	2,200	2008-09	43,751
1989-90	2,476	2009-10	58,443
1990-91	2,450	2010-11	63,844
1991-92	2,850	2011-12	72,822
1992-93	2,800	2012-13	85,000
1993-94	5,537	2013-14	92,000
1994-95	5,100	2014-15 (RE)	122,676
1995-96	5,377	2015-16 (BE)	124,419

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
1992-93	1st Oct - 31st March	1000	1000	999	962	-	994	576	435	653	730	435	500	609	-	1000
1993-96	1993-94 to 1995-96	-	1000	999	962	-	994	576	435	653	730	435	500	609	340	1000
1996-97	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
1997-98	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
1998-99	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
1999-2000	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
2000-01 Final Rate	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
2001-02 Final Rate	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	
2002-03 Final Rate	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			
2003-04 Final Rate	1st April - 30th June	2346	2817	Group-I	2725	2687	2248	2989 (1820)	892	1387	2627	1168 (1376)	2540		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		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		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			650	2731	
				Group-II	3470	3659	3404	4146	2982	2293	2788	3514	2918	3274			3988
	2004-05 Final rate	1st April - 30th June	2739	4215	Group-I	3273	3433	3155	3889 (1716)	2036	2507	3515	2603 (1351)	4012	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	1599	2815	4526	1951 (1836)	4084	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			
2005-06 Final rate	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 (2411)	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				
2006-07 Final rate	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.

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
2005-06				
Final rates	1st July - 30th Sept.	4800	5104	4709
	1st Oct. - 31st Dec.	5683	5793	5430
	1st Jan. - 31st March	6045	6129	5114
2006-07				
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
2007-08				
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

Fertiliser	(Rs./tonne)												
	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
16-20-0-13													
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
20-20-0-13													
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
20-20-0													
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)

(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									
10-26-26													
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
12-32-16													
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
14-35-14													
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
14-28-14													
MCFL, Mangalore@	20538	30082	32360	33610	37392	37710	39945	39416	34143	22657	15019	13722	15098
23-23-0													
DFPCL, Taloja	13465	21192	23184	25039	24884	24609	25281	23861	20476	14016	7934	6869	7656
15-15-15													
RCF, Trombay	12087	17241	18585	20444	24581	24426	24998	24238	22086	17861	13913	13251	13872
17-17-17													
MFL, Manali	17181	23565	26094	28390	33825	32824	32905	30945	25819	20421	16322	16215	16966
28-28-0													
CFL, Vizag	23426	33092	35585	37184	42679	44756	46417	45807	32918	20594	12903	12062	14164
19-19-19													
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	During this period GSFC opted out of the concession scheme.											
GSFC, Baroda												
FACT,	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)													

8.06 (h) CONCESSION FOR DECONTROLLED P&K FERTILISERS (except SSP)												
April 2009-March 2010 (Concluded)												
(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

**8.06 (i) FINAL RATES OF CONCESSION FOR
SINGLE SUPERPHOSPHATE (SSP) - 2009-10**

(Rs. / tonne)

Month	Concession based on	
	Indigenous Rock	Imported Rock
Final Rates		
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 2015-16							
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
	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
N	23.227	23.227	27.153	24.000	20.875	20.875	20.875
P	26.276	25.624	32.338	21.804	18.679	18.679	18.679
K	24.487	23.987	26.756	24.000	18.833	15.5	15.500
S	1.784	1.784	1.677	1.677	1.677	1.677	1.677
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
DAP (18-46-0)	16,268	15,968	19,763	14,350	12,350	12,350	12,350
DAP Lite (16-44-0)	-	14,991 ¹	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
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
SSP	4,400 ²	4,296	5,359	3,673	3,173	3,173	3,173
MOP	14,692	14,392	16,054	14,400	11,300	9,300	9,300
16-20-0-13	9,203	9,073	11,030	8,419	7,294	7,294	7,294
20-20-0-13	10,133	10,002	12,116	9,379	8,129	8,129	8,129
20-20-0-0	9,901	9,770	11,898	9,161	7,911	7,911	7,911
28-28-0-0	13,861	13,678	16,657	12,825	11,075	11,075	11,075
16-16-16-0	11,838 ³	11,654	13,800	11,169	9,342	8,809	8,809
17-17-17-0	12,578	12,383	14,662	11,867	9,926	9,359	9,359
19-19-19-0	14,058	13,839	16,387	13,263	11,094	10,460	10,460
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
12-32-16-0	15,114	14,825	17,887	13,697	11,496	10,962	10,962
14-28-14-0	14,037	13,785	16,602	12,825	10,789	10,323	10,323
14-35-14-0	15,877	15,578	18,866	14,351	12,097	11,630	11,630
15-15-15-0	11,099	10,926	12,937	10,471	8,758	8,258	8,258
15-15-15-09	11,259 ⁴	11,086	13,088	10,622	8,909	8,409	8,409
24-24-0-0	11,881 ⁴	11,724	14,278	10,993	9,493	9,493	9,493
24-24-0-8	-	-	-	-	-	9,493.00	9,493
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) ⁵	5,195	5,195	5,979	5,330	4,686	4,686	4,686
¹ = w.e.f. 1.2.2011. ² = w.e.f. 1.5.2010. ³ = w.e.f. 1.7.2010. ⁴ = w.e.f. 1.10.2010. ⁵ = 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 2015-16							
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	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
	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 sulphate phosphate, 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	383.50
	"	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	
East Zone	105	37	1	2	106	39	145	959.4
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
North Zone	377	45	9	6	386	51	437	5444.5
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
South Zone	157	32	35	4	192	36	228	6727.4
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	-	-	-	-	-	-	-	-
West Zone	348	59	16	11	364	70	434	4695.4
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	-	-	-	-	-	-	-	-
Total All India	987	173	61	23	1,048	196	1,244	17826.7

* = Data for 2012-13.

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

9.01 (b) STATEWISE ANALYSING CAPACITY OF SOIL TESTING LABORATORIES AND SAMPLES ANALYSED - 2013-14 (Provisional) (Under State Govts./UTs and Fertiliser Industry)			
State/UT	Analysing Capacity (`000 Nos.)	Number of Samples analysed (`000 Nos.)	Capacity % Utilisation
East Zone	959.4	769.2	80.2
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
North Zone	5444.5	4198.3	77.1
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
South Zone	6727.4	5503.2	81.8
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	-	-	-
West Zone	4695.4	3046.6	64.9
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	-	-	-
Total All India	17826.7	13517.3	75.8

* = Data for 2012-13.
Source : Department of Agriculture & Cooperation, Ministry of Agriculture & Farmers Welfare, GoI, New Delhi.

9.02 (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						
9.02 (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		
East Zone	11	26790	11015	638	41.1	5.8
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	-
North Zone	17	27650	24089	1,117	87.1	4.6
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
South Zone	29	54822	46992	1,452	85.7	3.1
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
West Zone	17	50774	50589	3,433	99.6	6.8
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
Govt. of India	4	8500	2837	210	33.4	7.4
Total All India	78	168536	135522	6,850	80.4	5.0
Source : Central Fertiliser Quality Control & Training Institute, Faridabad.						

9.02 (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 Bhubaneshwar	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				
Grand Total All-India						78	168536

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

10.00 WATER SOLUBLE FERTILISERS AND BIOFERTILISERS

10.01 ESTIMATED CONSUMPTION OF WATER SOLUBLE FERTILISERS IN INDIA 2000-01, 2005-06 to 2013-14

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	90,000
2012-13	115,000
2013-14 (Estimated)	130,000

Source: 1. *Handbook on Fertiliser Marketing*, FAI, New Delhi.
2. *Speciality Fertiliser Statistics*, December 2014 (Vol. III), FAI, New Delhi.

10.02 ALL INDIA PRODUCTION AND SALE OF CUSTOMISED FERTILISERS 2008-09 to 2013-14

Year	Production	Sale
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)	24,763	22,659
2013-14 (P)	48,318	48,785

(P) = Provisional.

Source: *Speciality Fertiliser Statistics*, December 2014 (Vol. III), FAI, New Delhi.

10.03 ALL INDIA PRODUCTION AND SALE OF NEEM COATED UREA 2006-07 to 2013-14

Year	Production	Sale
2006-07	597,321	603,513
2007-08	289,836	286,384
2008-09	292,718	295,676
2009-10	917,439	917,793
2010-11	1,209,264	1,186,315
2011-12	3,485,836	3,420,325
2012-13	4,681,225	4,696,950
2013-14	5,991,414	5,980,177

Source: *Speciality Fertiliser Statistics*, December 2014 (Vol. III), FAI, New Delhi.

10.04(a) ALL INDIA CAPACITY OF BIOFERTILISERS - 1995-96 to 2013-14		
(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*	
P = Provisional. N.A. = Not Available. * = Data for carrier based capacity only. Data for liquid based capacity was 18797 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 2013-14		
(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	22,732	26,878
2009-10	22,879	25,354
2010-11	37,998	38,000 e
2011-12	40,324	40,000 e
2012-13 (P)	59,840	59,800 e
2013-14 (P)	65,528	65,500 e
P = Provisional. e = estimated. 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) STATEWISE PRODUCTION OF BIOFERTILISERS			
2011-12 to 2013-14			
(tonnes)			
State	2011-12	2012-13	2013-14 (P)
East	2,900.9	2,135.8	3,301.5
Arunachal Pradesh	-	-	59.0
Assam	68.3	-	149.0
Bihar	75.0	61.9	52.4
Jharkhand	8.4	35.3	14.2
Meghalaya	-	-	-
Mizoram	-	-	4.0
Nagaland	13.0	7.5	7.5
Odisha	590.1	407.1	1,097.6
Sikkim	-	-	10.1
Tripura	1,542.9	514.0	225.0
West Bengal	603.2	1,110.0	1,682.7
North	12,183.0	12,212.2	11,914.8
Haryana	914.4	5,832.6	1,146.5
Himachal Pradesh	1.3	-	26.1
Jammu & Kashmir	-	-	45.3
Punjab	692.2	2,311.3	2,124.9
Uttar Pradesh	8,695.1	1,310.0	2,682.2
Uttarakhand	263.0	2,758.2	5,493.9
Delhi	1,617.0	-	396.0
South	11,674.1	35,130.4	30,764.0
Andhra Pradesh	1,126.4	1,335.7	2,714.2
Karnataka	5,760.3	13,149.0	9,907.3
Kerala	904.2	2,877.7	3,520.7
Tamil Nadu	3,373.8	17,767.9	14,104.8
Puducherry	509.5	-	517.0
West	13,566.2	10,361.0	19,547.6
Gujarat	2,037.4	978.5	6,411.4
Madhya Pradesh	2,309.1	2,611.0	4,824.2
Chhattisgarh	276.3	501.6	712.1
Maharashtra	8,743.7	5,899.9	6,218.6
Rajasthan	199.8	-	1,315.0
Goa	-	370.0	66.3
Total	40,324.2	59,840.3	65,527.9
(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	835	31.3.2015
CFCL	926	31.3.2015
CIL	4,298	1.10.2015
FACT	2,593	31.3.2015
GNFC, Bharuch	3,612	1.10.2015
Greenstar Fertilisers Ltd.	441	1.10.2015
GSFC, Sikka	309	1.10.2015
GSFC, Vadodara	2,963	1.10.2015
Hindalco Industries, Dahej	86	31.03.2013
IFFCO	5,660	1.10.2015
Indo Gulf Fert Ltd	760	1.10.2015
Kanpur Fert. & Cement	977	1.10.2015
Krishak Bharati Coop. (KRIBHCO)	2,003	1.10.2015
KRIBHCO Shyam Fertilizers Ltd.	638	31.3.2015
Matix Fertilizers & Chemicals Ltd.	45	1.10.2010
MCFL	863	1.10.2015
MFL	693	31.3.2015
NFCL	3,024	1.10.2015
NFL	3,798	31.3.2015
PPL	1,049	1.10.2015
RCFL	3,982	31.12.2014
SFC	753	1.10.2015
SPIC	522	1.10.2015
TCL-Babrala	422	1.10.2015
TCL-Haldia	294	1.10.2015
ZACL	780	31.3.2015
Total (24 companies)	42,326	

PART I

SECTION 2

**FEEDSTOCKS / RAW MATERIALS
AND INTERMEDIATES**

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

1.01 INDIAN PETROLEUM INDUSTRY AT A GLANCE							
Items	Unit	2005-06	2010-11	2011-12	2012-13	2013-14	2014-15 ^P
1 Reserves @							
(Balance recoverable)							
(i) Crude oil	Million tonnes	756.06	757.40	759.59	758.44	762.73	763.48
(ii) Natural gas	Billion M ³	1075.41	1278.06	1330.24	1354.76	1427.15	1488.47
2 Consumption							
(i) Crude oil	Million tonnes	130.11	196.99	204.12	219.21	222.50	223.24
(in terms of refinery crude throughput)							
(ii) Petroleum products	"	113.21	141.04	148.13	157.06	158.41	164.99
(excl. RBF)							
3 Production							
(i) Crude oil	"	32.19	37.68	38.09	37.86	37.79	37.46
(ii) Petroleum Products	"	124.41	194.82	203.20	217.74	220.76	221.14
4 Imports & Exports							
(a) Gross Imports							
(i) Qty. crude oil	"	99.41	163.60	171.73	184.80	189.24	189.43
LNG	"	5.06	9.93	13.21	13.14	13.03	15.47
POL products	"	13.44	17.38	15.85	15.77	16.72	20.42
Total (i)	"	117.91	190.91	200.79	213.70	218.99	225.32
(ii) Value: Crude oil	Rs. crores	171702	455276	672220	784652	864875	687350
LNG	"	3366	14362	31718	41731	53307	63110
POL products	"	27972	55998	68091	68363	74605	72778
Total (ii)	"	203040	525637	772029	894746	992787	823238
(b) Exports							
(i) Qty. crude oil	Million tonnes	-	-	-	-	-	-
POL products	"	23.56	59.08	60.84	63.41	67.86	63.93
Total (i)	"	23.56	59.08	60.84	63.41	67.86	63.93
(ii) Value: crude oil	Rs. crores	-	-	-	-	-	-
POL products	"	49974	196861	284643	320090	368279	288563
Total (ii)	"	49974	196861	284643	320090	368279	288563
(c) Net Imports							
(i) Qty. crude oil	Million tonnes	99.41	163.60	171.73	184.80	189.24	189.43
LNG	"	5.06	9.93	13.21	13.14	13.03	15.47
POL products	"	-10.12	-41.70	-44.99	-47.63	-51.15	-43.51
Total (i)	"	94.35	131.83	139.96	150.30	151.12	161.40
(ii) Value: crude oil	Rs. crores	171702	455276	672220	784652	864875	687350
POL products	"	-22002	-140862	-216552	-251727	-293674	-215785
Total (ii)	"	149700	314414	455668	532925	571201	471565
(d) Unit value of crude oil	Rs./tonne	17272.3	27829.48	39144.23	42460.69	45702.97	36284.81
Imports (Gross)							
5 India's Total Exports	Rs. crores	456418	1142922	1465959	1634319	1905011	1891645
N.A. = Not available.							
(Continued)							

1.01 INDIAN PETROLEUM INDUSTRY AT A GLANCE (Concluded)							
Items	Unit	2005-06	2010-11	2011-12	2012-13	2013-14	2014-15 ^P
6 POL Imports as percentage of India's total exports							
(i) Gross imports	%	44.49	45.99	52.66	54.75	52.11	43.52
(ii) Net imports	%	33.54	27.51	31.08	32.61	29.98	24.93
7 Contribution of oil sector to Centre/State resources							
(i) Royalty from crude oil	Rs. crores	5067	8958	15921	18083	20113	18293
(ii) Royalty from gas	Rs. crores	864	2355	3294	3880	3483	3873
(iii) Oil development cess	"	5196	6783	8119	15784	16072	16159
(iv) Excise & custom duties*	"	63143	102828	95229	98603	104163	70622
(v) Sales tax	"	45934	80709	100375	111438	127957	135623
(vi) Dividend	"	10057	13329	13042	14064	14994	14653
(vii) Corporate tax/others	"	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
8 Natural gas							
(i) Gross production	Million M ³	32202	52219	47559	40679	35407	33656
(ii) Utilisation (includes quantities re-injected)	"	31325	51254	46481	39777	34574	32685
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				
	Gross production	Re-injected	Flared	Net production*	Energy purposes		Non-Energy purposes		Grand Total
					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	8114	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	40566	22628	20118	14003	60684
2012-13	40679	5429	902	34348	32805	16078	21110	14733	53915
2013-14	35407	5590	769	28984	26752	11284	22243	15869	48994
2014-15 (P)	33656	5904	873	26781	24299	10720	22655	15190	46955

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 (P)	17391	10939	301

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

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

2. Includes production from fractionators.

P = Provisional.

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

1.02 (c) PRODUCTION AND CONSUMPTION OF FURNACE OIL, LSHS/HHS BY FERTILISER INDUSTRY						
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	11629	
2010-11	20519	479	820	1299	10789	
2011-12	18433	458	890	1348	9307	
2012-13	15054	475	685	1160	7656	
2013-14	13405	408	15	423	6236	
2014-15 (P)	11919	393	2	395	6017	

(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 — 2010-11 to 2014-15**

Product	Unit	Production					Consumption					Import (Export)				
		2010-11	2011-12	2012-13	2013-14	2014-15 ^P	2010-11	2011-12	2012-13	2013-14	2014-15 ^P	2010-11	2011-12	2012-13	2013-14	2014-15 ^P
1 Natural gas	Million cubic metres	52219\$	47559\$	40679\$	35407\$	33656\$	51255	60684	53915	48994	46955	-	-	-	-	-
2 LNG	Thousand tonnes	-	-	-	-	-	-	-	-	-	-	9931	13214	13136	13032	15470
3 Naphtha	Thousand tonnes	19196	18825	19018	18505	17391	10676	11222	12289	11305	10939	2063 (10655)	2091 (10139)	1735 (8647)	1026 (8322)	858 (7008)
4 F. oil/ LSHS/ HHS/RFO	"	20519	18433	15054	13405	11919	10789	9307	7656	6236	6017	1013 (6734)	1203 (7895)	1068 (5922)	1283 (6159)	945 (4762)
5 Coal (excl. lignite)	Million tonnes	532.7	540.0	556.4	565.8	610.8	523.5	535.3	567.1	571.3	N.A.	68.9	102.9	145.8	166.9	217.8

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

2.01 (a) STATE-WISE RESERVES / RESOURCES OF INDIAN ROCK PHOSPHATE AND APATITE (As on 1.4.2005)	
(Million tonnes)	
State	Quantity
A. ROCK PHOSPHATE	
Gujarat	0.31
Jharkhand	107.37
Madhya Pradesh	50.43
Meghalaya	1.31
Rajasthan	95.93
Uttar Pradesh	25.77
Uttarakhand	24.18
Total	305.31
B. APATITE	
Andhra Pradesh	0.36
Gujarat	0.35
Jharkhand	7.27
Meghalaya	1.30
Rajasthan	1.07
Tamil Nadu	0.24
West Bengal	16.27
Total	26.86
Source : Handbook on Fertiliser Technology, 2010, 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)
Total		305.3	

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 ₂ O ₅	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 ₂	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 ₂ O ₃	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 ₂ (as CaCO ₃)	-	-	-	1-1.6	0.3-1	1.5-2	-
SO ₃	Traces	-	-	0.40	0.03	-	-
TiO ₂	-	-	-	-	-	-	19.5
MnO	-	-	-	-	-	-	24.9
Na ₂ O + K ₂ 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 ₂ O ₅	CaO	SiO ₂	F	P ₂ O ₃	MgO	Organic Matter	Cl (ppm)	CO ₂ (as CaCO ₃)	SO ₃	LOI	Na ₂ O	K ₂ 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 Pharlar- borwa	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 ₂ O ₃ .													
Source: <i>Handbook on Fertiliser Technology, 2010</i> , FAI, New Delhi.													

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2.03 (a) PRODUCTION OF ROCKPHOSPHATE IN INDIA 1971-72 to 2014-15 (April-March)							(000 tonnes)
Year	PPCL ¹	RSMM ²	MPSMC ³		WBMDTC ⁴	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	0.5	1496.6	

= For direct application * = Includes quantity manufactured for direct application. @ = Estimated.

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 Dev. and Trading Corporation Ltd., Kolkata (W.B.).

2.03 (b) DESPATCHES OF INDIGENOUS ROCKPHOSPHATE 1971-72 to 2014-15 (April-March)						
Year	PPCL ¹	RSMM ²	MPSMC ³		WBMDTC ⁴	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	0.5	620.2

* = Includes quantity sold for direct application. # = For direct application. @ = Estimated
 \$ = Includes 35.1 thousand tonnes of Hirapur rock distributed to SSP units.
 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									
2006 to 2014-15									
('000 tonnes)									
Country	2006	2007	2008	2009	2010	2011	2012	2013-14 (P)	2014-15 (P)
Rockphosphate									
1 Algeria	367	615	570	178	35	74	89	35	63
2 China	—	80	215	—	—	—	—	neg.	neg.
3 Egypt	511	353	336	899	1036	991	1266	1461	1789
4 Israel	120	—	—	391	295	374	206	351	171
5 Jordan	2334	2584	2530	2229	2933	3526	3031	2655	3207
6 Morocco	1272	1110	876	729	918	1113	1324	962	1282
7 Nauru	—	—	111	97	50	46	123	22	53
8 Peru	—	—	—	—	64	424	539	889	850
9 South Africa	—	—	—	—	—	—	—	40	21
10 Syria	—	19	—	33	89	94	37	—	—
11 Togo	718	395	266	489	570	541	664	728	805
12 Tunisia	—	20	—	27	—	—	—	—	—
13 Vietnam	—	68	357	254	397	339	—	—	—
14 Others	—	—	—	—	—	—	37	18	32
Total	5322	5244	5261	5327	6387	7522	7316	7161	8273
Sulphur									
1 Bahrain	68	75	61	94	89	—	109	60	97
2 Iran	630	279	266	117	487	439	304	27	2
3 Italy	—	—	3	—	29	—	—	—	—
4 Japan	90	50	60	60	45	—	—	24	39
5 Kazakhstan	40	80	21	31	31	—	—	—	—
6 Kuwait	144	258	215	141	256	203	212	147	175
7 Qatar	240	333	71	129	166	554	217	268	502
8 Russia	—	39	24	—	3	13	2	1	11
9 Saudi Arabia	188	186	292	398	273	102	284	427	470
10 Spain	—	—	6	—	—	—	—	—	—
11 U.S.A.	—	—	15	—	—	0.7	0.1	0.02	0.05
12 UAE/Abu Dhabi	397	452	331	291	383	353	323	333	323
13 Others	0.3	0.1	78	33	42	83	96	3	7
Total	1797	1752	1445	1294	1804	1748	1547	1290	1626
(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
2009-10 to 2014-15**

Port	('000 tonnes)					
	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15 (P)
1 Kolkata	33	14	-	5	-	99
2 Haldia	117	186	337	277	366	482
3 Paradeep	3,486	4,226	4,547	4,004	3,932	4,378
4 Vizag	775	811	832	565	795	720
5 Ennore	-	-	-	-	-	-
6 Chennai	254	337	249	232	255	344
7 V.O. Chidambaranar (Formerly:Tuticorin)	860	730	891	564	790	1,053
8 Cochin	211	353	315	331	271	378
9 New Mangalore	13	4	21	17	50	82
10 Mormugao	-	10	-	-	-	-
11 Mumbai	241	335	174	356	151	276
12 J.N.P.T.	-	-	-	-	-	-
13 Kandla	788	583	761	946	991	655
Total	6,778	7,589	8,127	7,297	7,601	8,467

(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 1.11.2015)								
(' 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
I. Public			II. Private			III. Cooperative		
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	418.8	4.	IFFCO, Phulpur-I	401.0
5.	MFL, Manali	346.5	5.	GNFC, Bharuch	495.0	5.	IFFCO, Phulpur-II	574.0
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	III. Total Cooperative		3733.8
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	220.0			
			13.	SPIC, Tuticorin	363.0			
			14.	TCL, Babrala	660.0			
			15.	ZACL, Goa	264.0			
I. Total Public		4713.6	II. Total Private		6494.7	IV. Grand Total (I+II+III)		14942.1
* = Currently not in operation and excluded from the totals.								

3.02 (a) PRODUCTION OF AMMONIA IN FERTILISER INDUSTRY	
1990-91, 1995-96 and 2000-01 to 2014-15	
Year	Quantity produced ('000 tonnes ammonia)
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 (P)	13835.0
(P) = Provisional.	
3.02 (b) IMPORT OF AMMONIA FOR FERTILISER INDUSTRY	
1990-91, 1995-96 and 2000-01 to 2014-15	
Year	Quantity imported ('000 tonnes)
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 (P)	2071.87
(P) = Provisional.	

3.03 SOURCEWISE IMPORT OF AMMONIA BY INDIA**2006-07 to 2014-15**

('000 tonnes)

Country	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15 (P)
Australia	48.2	-	-	15.5	-	-	20.0	-	6.3
Bahrain	77.7	24.9	11.2	61.6	16.5	26.5	3.4	13.0	-
Bangladesh	146.1	83.6	92.7	25.2	4.0	24.6	15.2	5.5	7.9
CIS	36.1	6.6	-	-	-	-	-	-	-
Egypt	-	-	-	-	49.2	18.5	53.4	55.5	34.7
Germany	-	-	-	16.8	-	-	-	neg.	neg.
Indonesia	167.0	69.7	5.0	30.0	1.0	-	35.2	70.3	3.3
Iran	196.8	175.9	346.4	343.6	724.0	551.9	326.9	594.2	686.9
Japan	-	-	-	27.5	-	-	-	-	neg.
Kuwait	27.5	51.2	14.7	35.6	34.4	18.5	62.3	-	-
Libya	-	-	-	-	-	-	-	-	-
Malaysia	183.6	99.7	134.4	134.9	127.9	119.6	51.5	-	-
Oman	-	-	105.3	123.2	67.0	131.4	142.1	42.4	-
Qatar	254.2	260.6	233.3	249.4	272.4	254.5	433.8	363.5	390.2
Russia	14.5	-	-	-	-	-	23.3	101.7	8.0
Saudi Arabia	445.1	771.3	496.0	598.0	412.8	508.9	358.2	470.1	518.2
Trinidad	-	-	-	25.0	-	-	-	-	-
Turkey	-	-	-	-	-	3.6	-	5.0	29.9
UAE/Abu Dhabi	76.2	78.6	9.6	165.5	25.9	50.3	31.5	2.7	17.8
Ukraine	78.6	45.9	22.3	64.1	-	17.6	116.0	220.6	350.7
USA	-	-	-	-	-	-	-	neg.	neg.
Others	10.0	-	-	-	-	-	32.5	12.6	18.2
Total	1,761.5	1,668.0	1,470.9	1,915.7	1,735.1	1,725.8	1,705.2	1,957.0	2,071.9

(P) = Provisional.

neg. = Negligible.

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.

3.04 MANUFACTURER-WISE CAPACITY OF PHOSPHORIC ACID (As on November 1, 2015)			
			(⁰⁰⁰ tonnes)
Name of factory/location	Sector	Date of Commissioning	Phosphoric acid (as P ₂ O ₅) per annum
IN PRODUCTION			
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	225.0
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
	Sector-wise capacity	Public	178.0
		Private	1058.1
		Cooperative	874.5
	Total capacity		2110.6

3.05 PRODUCTION OF PHOSPHORIC ACID AND ITS CONSUMPTION IN THE FERTILISER INDUSTRY 1980-81 to 2014-15 (April-March)		
('000 tonnes P ₂ O ₅)		
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)
# = Out of indigenous production		(P) = Provisional.
Note: Phosphoric acid is expressed as 100 per cent P ₂ O ₅ .		(E) = Estimated.

3.06 IMPORT OF PHOSPHORIC ACID AND ITS CONSUMPTION IN THE FERTILISER INDUSTRY 1981-82 to 2014-15		
('000 tonnes of P ₂ O ₅)		
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 (P)	2392.3	2392.3
2004-05 (P)	2352.6	2352.6
2005-06 (P)	2572.4	2572.4
2006-07 (P)	2365.4	2365.4
2007-08 (P)	2209.4	2209.4
2008-09 (P)	1581.9	1581.9
2009-10 (P)	2721.0	2721.0
2010-11 (P)	2139.8	2139.8
2011-12 (P)	1906.4	1906.4
2012-13 (P)	1829.1	1829.1
2013-14 (P)	1749.8	1749.8
2014-15 (P)	1796.5	1796.5

+ = Out of imports. (P) = Provisional.
* = Imported phosphoric acid received by manufacturers.
Note: Phosphoric acid is expressed as 100 per cent P₂O₅.

3.07 SOURCEWISE IMPORT OF PHOSPHORIC ACID BY INDIA									
2006-07 to 2014-15									
('000 tonnes)									
Country	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
(P)									
Brazil	-	-	-	-	-	-	-	5.8	5.6
China	-	-	-	-	-	-	12.1	7.8	4.1
Israel	57.1	-	11.9	176.5	39.5	87.7	40.4	48.4	50.2
Jordan	164.8	106.8	49.7	52.2	3.8	-	10.4	-	152.6
Korea	-	-	-	-	-	-	5.8	3.0	4.7
Lebanon	12.0	3.7	5.2	4.5	7.7	-	-	-	-
Morocco	1,019.6	952.6	607.3	1,246.6	943.7	880.1	756.1	1,017.2	937.6
Philippines	-	-	-	-	11.2	-	-	-	-
Indonesia	-	-	11.3	-	-	-	-	-	-
Senegal	140.4	209.9	108.4	303.2	293.8	321.3	-	167.5	153.8
Saudi Arabia	-	-	-	-	-	-	399.3	46.1	-
South Africa	431.3	482.0	421.1	325.5	256.0	208.1	81.6	96.2	25.2
South Korea	14.5	-	-	-	-	-	0.1	-	-
Spain	-	-	31.1	8.1	-	-	-	-	-
Tunisia	331.4	276.7	230.1	375.3	321.0	95.0	211.6	52.1	192.8
USA	194.3	177.7	105.8	229.2	263.1	314.3	299.2	294.7	236.1
Vietnam	-	-	-	-	-	-	-	1.3	23.9
Others	-	-	-	-	-	-	12.4	9.9	10.0
Total	2,365.4	2,209.4	1,581.9	2,721.0	2,139.8	1,906.4	1,829.1	1,749.8	1,796.5

(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**

**4.01 (a) BASIC CEILING SELLING PRICES FOR
NAPHTHA, FURNACE OIL AND LSHS - EX-STORAGE POINTS
1971-72 to 2000-01**

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 (1.4.2006 to 1-10-2015)						
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
1.4.2006	15421-17601	16712-22357	26561-27452	27730-31260	18231	23863
1.7.2006	15848-17215	17170-21867	30062-31185	31629-36345	17575-18525	23005-24208
1.10.2006	13037-16359	14199-19629	24113-30605	26947-33022	16735	21899
1.1.2007	11904-15538	12915-20219	24038-27302	26154-30104	15225	19923
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	24879	33736	35591		

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

4.01 (d) CONSUMER AND PRODUCER PRICES OF NATURAL GAS								(Rs/'000 cubic metre)
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)		
01.04.2002	2850	1700	1150	2116	1700	1900	10000	
01.07.2002	2850	1700	1150	2074	1700	1900	10000	
01.10.2002	2850	1700	1150	2118	1700	1900	10000	
01.01.2003	2850	1700	1150	2132	1700	1900	10000	
01.04.2003	2850	1700	1150	2206	1700	1900	10000	
01.07.2003	2850	1700	1150	2176	1700	1900	10000	
01.10.2003	2850	1700	1150	2240	1700	1900	10000	
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.	9067	9067	9067	10000	
01.04.2014	12292	7375	N.A.	12292	12292	12292	10000	
01.04.2015	11548	6929	N.A.	11548	11548	11548	10000	

Note:

1. Price of APM gas upto 31.05.2010 was exclusive of royalty/levies.
2. W.e.f. 04.06.2010, Govt 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.
3. 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: (a) USD 5.05/mmbtu on GCV basis from 01.11.2014 to 31.03.2015; (b) USD 4.66/mmbtu on GCV basis from 01.04.2015 to 30.06.2015
4. # 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.
5. 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)			
I. GAIL (APM price)		(Rs./'000M ³)	
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		
<p>Note: 1. The prices mentioned above are based on data received from selected companies.</p> <p>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.</p> <p>3. The APM gas prices sourced from PMT are also at the similar levels.</p>			
II. RIL		(Rs./'000M ³)	
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		
III. PMT (Spot price)		(Rs./'000M ³)	
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		

4.01(f) ESTIMATED BASIC AND DELIVERED PRICES OF RLNG FOR FERTILISER COMPANIES (1-4-2011 to 1-4-2015)				
Date (w.e.f.)	GAIL- RLNG (Rs./'000 M ³)		IOCL- RLNG (Rs./'000 M ³)	
	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 ³ .				
4.01(g) ESTIMATED SPOT PRICES OF RLNG FOR FERTILISER COMPANIES (1-4-2010 to 1-4-2015)				
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.				
4.01 (h) RETAIL SELLING PRICES OF HIGH SPEED DIESEL OIL (HSDO) IN METROPOLITAN CITIES IN INDIA				
(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
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 1.4.2015			
(Percentage)			
State	Natural Gas	Naphtha	Furnace Oil
Andhra Pradesh	14.50	14.50	14.50
Arunachal Pradesh	20.00	12.50	12.50
Assam	14.50	14.50	5.00
Bihar	20.00	13.50	13.50
Chandigarh	5.00	5.00	12.50
Chhattisgarh	25.00	14.00	5.00
Delhi	-	20.00	20.00
Goa	12.50	20.00	12.50
Gujarat	12.50% Additional tax 2.50% on taxable	16% Additional tax 2.50% on taxable	4% Additional tax 1% on taxable
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	14.50	5.00	14.50
Madhya Pradesh	13.00	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	4.75% Surcharge on Tax 5%	13.25	13.25
Odisha	13.50	13.50	13.50% FO for international bunkering 5%
Punjab	5.50% Surcharge on Tax 10%	5.50% Surcharge on Tax 10%	5.50% Surcharge on Tax 10%
Puducherry	5.00	14.50	14.50
Rajasthan	5.00	5.00	5.00
Sikkim	4.50	13.50	13.50
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 taxable	21.00	21.00
Uttarakhand	20.00	13.50	13.50
West Bengal	0.05	0.05	0.05

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

4.01 (j) CENTRAL EXCISE & CUSTOMS TARIFF			
As on 01.03.2015			
(Per cent)			
Item	Central excise duty	Customs duty	
	Basic cenvat duty	Basic customs duty	Additional customs duty (CVD)
LNG	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

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.

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.

3. Education cess has been removed on Excise duty w.e.f. 1st March 2015.

Source: Petroleum Planning & Analysis Cell, Ministry of Petroleum & Natural Gas, New Delhi.

4.02 (a) PRICES OF INDIGENOUS ROCKPHOSPHATE				
1. Udaipur Rockphosphate (RSMM)				
(Rs/tonne)				
Date	31% P ₂ O ₅ (-1/2" chips)		Concentrate (34% P ₂ O ₅)	
1-4-2001 to 31-3-2002	1935 ² (For SSP)		2298 ³ (For DAP) 2198 ⁴ (For SSP/DAP/DCP)	
1-4-2002 to 31-3-2003	1800 ² (For SSP)		2200 ⁴ (For SSP/DCP)	
1-4-2003 to 11-9-2004	1800 ² (For SSP)		1955 ³ (For DAP) 2200 ⁴ (For SSP/DCP)	
12-9-2003 to 31-3-2004	1820 ² (For SSP)		1955 ³ (For DAP) 2230 ⁴ (For SSP/DCP)	
1-4-2004 to 17-9-2004	1975 ²		2380 ³	
18-9-2004 to 31-3-2005	2006 ²		2420 ³	
01-04-2005 to 31-3-2006	2114 ² (For SSP)		2528 ⁴ (For SSP, DAP/DCP)	
01-04-2006 to 31-3-2007	2222 ² (For SSP)	2348 ^{5a} (For DAP)	2654 ⁴ (For SSP, DAP/DCP)	
01-04-2007 to 31-3-2008	2321 ² (For SSP)	2474 ⁵ (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 ² (For SSP)	3264 ⁵	4005 ⁴ (For DAP)	
01-07-2008 to 28-07-2008	3921 ² (For SSP)	4264 ⁵	6005 ⁴ (For DAP)	
29-07-2008 to 31-03-2009	4321 ² (For SSP)	4664 ⁵	8005 ⁴ (For DAP)	
1.4.2009	4753 ² (For SSP & DAP)	5130 ⁵	7255 ⁴ (For DAP) 1628 ⁶	
1.4.2010	6600 ³ (For DAP)			
1.4.2010	4753 ² (For SSP)	5130 ⁵	7255 ⁴ (For DAP)	
1.7.2010	4828 ²	5205 ⁵	1628 ⁶	
1.4.2011 to 30.6.2011	5350 ² (For SSP)	7200 ⁷ (For DAP)	1630 ⁶	5800 ⁵
1.7.2011 to 30.9.2011	5700 ²	7500 ⁷ ("	1650 ⁶	6150 ⁵
1.10.2011 to 24.5.2012	6950 ²		1700 ⁶	6950 ⁵
25.5.2012 to 31.3.2013	8500 ²	For SSP & Non- SSP	1700 ⁶	8500 ⁵
1.4.2013 to 7.3.2014	8500 ²		2300 ⁶	8500 ⁵
8.3.2014 to 31.3.2014	7000 ²			7000 ⁵
1.4.2014 to 2.2.2015	7000 ²		2400 ⁶	7000 ⁵
3.2.2015 to 31.3.2015	6800 ²	6000 ⁸ (For DAP)		6500 ⁵
<p>1 = 33% P₂O₅, 2 = 31.5% P₂O₅ chips, 3 = 33-34% P₂O₅, 4 = 34% P₂O₅ crushed rockphosphate. 5 = 31.5% P₂O₅ Beneficiated rock phosphate concentrate. 6 = 18-20% P₂O₅ (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 & 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 (+½" - 2½")	ROM	ROM ex-mines	-½" size ROM	-½" size Ex-Mines (ROM)
14-06-1993	1521 ¹	--	600 ³	660 ³	670 ³
24-05-1994	1000 ²	--	500 ⁴		
13-10-1994	1000 ²	--	500 ⁵		
17-10-1995	1000	--	600		
23-04-1998	1030 ²	690 ⁶	660 ⁶	560 ³	590 ³
18-08-1998	1055 ²	715 ⁶	660 ⁶	615 ³	560 ³
01-04-2000	1115 ²	775 ⁶	720 ⁶	675 ³	620 ³
17-06-2000	1115 ²	775 ⁶	720 ⁶	625 ⁷	
07-12-2000		775 ⁶	720 ⁶	625 ⁷	
30-01-2002		808 ⁶	720 ⁶	625 ⁷	
01-10-2003		808 ⁶	720 ⁶	625 ⁷	
14-01-2005		871 ⁶	778 ⁶	705 ⁷	
16-04-2006		970 ⁶	815 ⁶	800 ⁷	
01-04-2007 to 31-03-2008	935 ²	860 ²	785 ²	772 ⁷ (FOR)	697 ⁷
01.04.2008	363				
03.07.2008	481				
01.04.2009	551 ⁸ (cash) 572 ⁸ (credit)				
01.07.2010	615 ⁸ (cash) 634 ⁸ (credit)		637 ⁸ (cash) 656 ⁸ (credit)		
01.04.2011	921 ⁹		821 ⁸		
01.04.2012	1140 ⁹		1017		
01.04.2013	1104 ⁹		1017		
01.04.2014	1104 ⁹				
1 = P ₂ O ₅ 27%, SiO ₂ 18% 5 = P ₂ O ₅ not below 24%, SiO ₂ + 18% ROM – FOR Meghnagar 2 = P ₂ O ₅ 26%, SiO ₂ 18% 6 = P ₂ O ₅ 25% to 26% 8 = 18-20% P ₂ O ₅ 3 = P ₂ O ₅ 24% 7 = P ₂ O ₅ 23% to 24% 9 = 18-20% P ₂ O ₅ (0-12 mm). 4 = P ₂ O ₅ 24%, SiO ₂ 18% ROM-FOR- Meghnagar 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.					
Moisture Rebate: 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' ¹		1st 'B' ²		Fertiliser grade ² ex-Crusher site	
	(+1½" - 2½") 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 ³	1350		750			
2-1-1995 ³	875	825	750		625	
23-12-97 ³	725	675	600		475	
2-4-1998 ³	725	675	600		475	
14-10-1998	725	675	600 ³		525 (Chips grade) 410 (Dust)	
08-12-2000	725	675	600 ³		525 ⁴ (Chips grade) 4105 (Dust)	
01-02-2002	675	575	500 ³		425 ⁵ (1st 'C' grade)	
14-01-2005	733	633	558 ³		425 ⁵ (1st 'C' grade)	
16-04-2006	767	666	589 ³		455 ⁴ (1st 'C' grade)	
01-04-2007 to 31-03-2008	665.76 ¹		511.71 ³ 395.49 ⁴		391.42 ⁷	
01-04-2008	790 ¹		470 ⁴		270 ⁷	
04-07-2008	1047 ¹		623 ⁴		358 ⁷	
01-04-2009	1152 ¹		685 ⁴		410 ⁷	
19-01-2010					350 ⁷	
01-04-2011	1741 ¹		1035 ⁴		522 ⁷	
01-04-2012			748 ⁸			
01-04-2014			1266 ⁴ 748 ⁷			

N.A. = Not available.

1 = P₂O₅ 29%, SiO₂ 15-18%, Fe₂O₃ below 4.5% 2 = P₂O₅ +25%, SiO₂ +18%, Fe₂O₃ below 4.5%3 = P₂O₅ 27% to 29%4 = P₂O₅ 25% to 27%5 = P₂O₅ 25% to 29%6 = P₂O₅ 27% to 29%7 = P₂O₅ 18% to 20%8 = P₂O₅ 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 ₂ O ₅	20-24% P ₂ O ₅								
1. Mussoorie phos (100 mesh in HDPE bags)										
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 ₂ O ₅	23-25% P ₂ O ₅	30% P ₂ O ₅							
2. (a) Purulia rockphosphate										
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										
2. (b) Purulia rockphosphate										
(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-Godown	2,100							(for 2012-13)	
West Bengal		2,100	2,100							and
Assam & Adjoining	F.O.R.	2,500	2,500	2,500	1,500	3,300	1792*	2000\$	4,300	
Stores by rail	Ex-Warehouse (Assam)									1850**
South India (Any station)	F.O.R.									(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.								

CONVERSION FACTORS

1. RAW MATERIALS AND INTERMEDIATES REQUIREMENTS IN THE MANUFACTURE OF FERTILISER INTERMEDIATES											
(tonne per tonne)											
Intermediate	Raw materials/Intermediate										
1. Ammonia (NH ₃)	Natural gas	860 Nm ³ /te or									
	Naphtha	0.9-1.02 or									
	* Fuel oil	0.91 or									
	* Coal	3.62									
2. Sulphuric acid (H ₂ SO ₄)	Sulphur	0.345 or									
	Pyrites	0.90									
3. Phosphoric acid (H ₃ PO ₄) as P ₂ O ₅	Rock (73-75% BPL)	3.3 and									
	H ₂ SO ₄	2.85									
4. Nitric acid (HNO ₃)	NH ₃	0.292									
* For feedstock only.											
2. PETROLEUM PRODUCT CONVERSION FACTOR											
Product	Litres per metric tonne	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									
Conversion Factor											
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:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">1 Barrel = 42 Gallons</td> <td style="width: 33%; border-left: 1px solid black; border-right: 1px solid black;"></td> <td style="width: 33%;">1 metric tonne of gasolene = 8.6 barrels = 1350 litres</td> </tr> <tr> <td>1 U.S. Gallons = 3.785 Litres</td> <td style="border-left: 1px solid black; border-right: 1px solid black;"></td> <td>1 metric tonne of fuel oil = 6.7 barrels</td> </tr> <tr> <td></td> <td style="border-left: 1px solid black; border-right: 1px solid black;"></td> <td>1 metric tonne of crude oil = 7.3 barrels</td> </tr> </table>		1 Barrel = 42 Gallons		1 metric tonne of gasolene = 8.6 barrels = 1350 litres	1 U.S. Gallons = 3.785 Litres		1 metric tonne of fuel oil = 6.7 barrels			1 metric tonne of crude oil = 7.3 barrels
1 Barrel = 42 Gallons		1 metric tonne of gasolene = 8.6 barrels = 1350 litres									
1 U.S. Gallons = 3.785 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 ₃	CO ₂	Phosphate rock	H ₂ SO ₄	H ₃ PO ₄ (as P ₂ O ₅)	HNO ₃	KCl as 60% (K ₂ 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	—	
Conversion factors:—									
$1 \text{ te N} = 1.215 \text{ te NH}_3$ $1 \text{ te NH}_3 = 0.823 \text{ te N}$ $\% \text{ BPL} = 2.18 \times \% \text{ P}_2\text{O}_5$ $\% \text{ P}_2\text{O}_5 = 0.46 \times \% \text{ BPL}$				Requirement for 1 tonne of P ₂ O ₅ : 3.3 tonnes (approx.) of Rock and 1.0 tonne (approx.) of sulphur					
				$1 \text{ million BTU} = 29.5 \text{ Nm}^3$ $= 960 \text{ ft}^3$					

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	133,234	119,400	13,834	23,180	21,049	2,131	-	17.4	111.6
2 .	1952-53	137,675	123,442	14,233	23,305	21,122	2,183	-	16.9	111.5
3 .	1953-54	142,480	126,806	15,674	24,363	21,869	2,494	-	17.1	112.4
4 .	1954-55	144,087	127,845	16,242	24,948	22,088	2,860	-	17.3	112.7
5 .	1955-56	147,311	129,156	18,155	25,642	22,758	2,884	-	17.4	114.1
6 .	1956-57	149,492	130,848	18,644	25,707	22,533	3,174	-	17.2	114.2
7 .	1957-58	145,832	129,080	16,752	26,628	23,156	3,472	-	18.3	113.0
8 .	1958-59	151,629	131,828	19,801	26,948	23,401	3,547	-	17.8	115.0
9 .	1959-60	152,824	132,939	19,885	27,454	24,037	3,417	-	18.0	115.0
10 .	1960-61	152,772	133,199	19,573	27,980	24,661	3,319	-	18.3	114.7
11 .	1961-62	156,209	135,399	20,810	28,460	24,884	3,576	-	18.2	115.4
12 .	1962-63	156,760	136,341	20,419	29,453	25,665	3,788	-	18.8	115.0
13 .	1963-64	156,963	136,483	20,480	29,707	25,888	3,819	-	18.9	115.0
14 .	1964-65	159,229	138,120	21,109	30,705	26,600	4,105	-	19.3	115.3
15 .	1965-66	155,276	136,198	19,078	30,901	26,344	4,557	-	19.9	114.0
16 .	1966-67	157,355	137,232	20,123	32,683	26,907	5,776	1,886	20.8	114.7
17 .	1967-68	163,736	139,876	23,860	33,207	27,193	6,014	6,036	20.3	117.1
18 .	1968-69	159,529	137,313	22,216	35,483	29,009	6,474	9,297	22.2	116.2
19 .	1969-70	162,265	138,695	23,570	36,974	30,197	6,777	11,413	22.8	117.0
20 .	1970-71	165,791	140,863	24,928	38,195	31,103	7,092	15,383	23.0	117.7
21 .	1971-72	165,186	139,721	25,465	38,430	31,546	6,884	18,173	23.3	118.2
22 .	1972-73	162,150	137,144	25,006	39,055	31,834	7,221	22,321	24.1	118.2
23 .	1973-74	169,872	142,416	27,456	40,283	32,546	7,737	26,038	23.7	119.3
24 .	1974-75	164,191	137,791	26,400	41,741	33,709	8,032	27,337	25.4	119.2
25 .	1975-76	171,296	141,652	29,644	43,363	34,593	8,770	31,888	25.3	120.9
26 .	1976-77	167,334	139,476	27,858	43,552	35,149	8,403	33,560	26.0	120.0
27 .	1977-78	172,232	141,953	30,279	46,080	36,546	9,534	38,930	26.8	121.3
28 .	1978-79	174,802	142,981	31,821	48,307	38,059	10,248	40,130	27.6	122.3
29 .	1979-80	169,589	138,903	30,686	49,214	38,524	10,690	38,383	29.0	122.1
30 .	1980-81	172,630	140,288	32,342	49,775	38,720	11,055	43,080	28.8	123.1
31 .	1981-82	176,750	142,120	34,630	51,412	40,503	10,909	46,493	29.1	124.4
32 .	1982-83	172,748	140,813	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	179,560	143,211	36,349	53,824	41,949	11,875	53,740	30.0	125.4
34 .	1984-85	176,330	140,901	35,429	54,529	42,145	12,384	54,140	30.9	125.1
35 .	1985-86	178,464	140,901	37,563	54,283	41,865	12,418	55,420	30.4	126.7
36 .	1986-87	176,405	139,578	36,827	55,759	42,569	13,190	56,174	31.6	126.4
37 .	1987-88	170,738	134,085	36,653	56,036	42,892	13,144	54,103	32.8	127.3
38 .	1988-89	182,277	141,891	40,386	61,125	46,148	14,977	60,105	33.5	128.5
39 .	1989-90	182,269	142,339	39,930	61,852	46,702	15,150	61,166	33.9	128.1
40 .	1990-91	185,742	142,999	42,743	63,204	48,023	15,181	64,984	34.0	129.9
41 .	1991-92	182,242	141,632	40,610	65,680	49,867	15,813	64,724	36.0	128.7
42 .	1992-93	185,618	142,645	42,973	66,761	50,296	16,465	65,404	36.0	130.1
43 .	1993-94	186,595	142,419	44,176	68,254	51,339	16,915	66,992	36.6	131.0
44 .	1994-95	188,053	142,960	45,093	70,646	52,999	17,647	70,931	37.6	131.5
45 .	1995-96	187,471	142,197	45,274	71,352	53,402	17,950	72,310	38.1	131.8
46 .	1996-97	189,502	142,931	46,571	76,025	55,112	20,913	76,428	40.1	132.6
47 .	1997-98	189,988	141,945	48,043	75,670	55,210	20,460	76,000 T	39.8	133.8
48 .	1998-99	191,649	142,753	48,896	78,670	57,436	21,234	78,350 T	41.0	134.3
49 .	1999-2000	188,396	141,063	47,333	79,216	57,531	21,685	-	42.0	133.6
50 .	2000-01	185,340	141,336	44,005	76,187	55,205	20,982	-	41.1	131.1
51 .	2001-02	188,014	140,734	47,280	78,371	56,936	21,435	-	41.7	133.6
52 .	2002-03	173,889	131,943	41,947	73,055	53,897	19,159	-	42.0	131.8
53 .	2003-04	189,661	140,708	48,953	78,042	57,057	20,985	-	41.1	134.8
54 .	2004-05	191,103	140,642	50,461	81,078	59,229	21,849	-	42.4	135.9
55 .	2005-06	192,737	141,162	51,575	84,280	60,837	23,442	-	43.7	136.5
56 .	2006-07	192,381	139,823	52,558	86,753	62,744	24,009	-	45.1	137.6
57 .	2007-08	195,223	141,016	54,207	88,058	63,189	24,869	-	45.1	138.4
58 .	2008-09	195,328	141,899	53,429	88,896	63,638	25,258	-	45.5	137.7
59 .	2009-10	189,002	139,173	49,829	85,085	61,936	23,149	-	45.0	135.8
60 .	2010-11 P	197,563	141,563	56,000	88,887	63,657	25,231	-	45.0	139.0
61 .	2011-12 P	195,632	140,974	54,658	91,730	65,693	26,037	-	46.9	138.8
62 .	2012-13 P	194,399	139,932	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)
East	68,053	64,842	23,205	7,249	3,710	10,956	855
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
North	66,848	47,758	8,595	4,786	1,960	6,745	1,910
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	-
South	64,454	64,283	13,224	7,028	3,253	10,281	1,537
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	-
West	129,371	129,053	24,981	7,392	8,362	15,753	5,939
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
ALL INDIA 2012-13	328,726	305,936	70,007	26,454	17,284	43,738	10,240
2011-12	328,726	305,831	70,035	26,309	17,217	43,526	10,311

= Includes Telangana.

(Continued)

1.02 LAND UTILISATION PATTERN - 2012-13 (Provisional) (Continued)									
('000 hectares)									
Zone/State	Classification of reporting area excluding fallow land			Fallow land			Net area sown	Area sown more than once	Total cropped area (15)+(16)
	Other uncultivated land			Fallow lands other than current fallows	Current fallows	Total (12)+(13)			
	Land under misc. tree crops & groves not incld.in net area sown	Culturable waste land	Total (8)+(9)+(10)						
	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
East	1,155	1,587	3,597	2,409	3,821	6,230	20,849	9,577	30,430
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
North	884	1,094	3,889	689	1,595	2,285	26,244	17,106	43,351
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
South	819	1,433	3,788	3,902	5,552	9,456	27,535	5,648	33,184
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
Puducherry	1	5	6	2	5	8	16	10	26
A & N Islands *	4	3	11	3	3	6	15	10	25
Lakshadweep *	-	-	-	-	-	-	2	-	3
West	300	8,464	14,703	4,000	4,312	8,311	65,303	22,136	87,440
Chhattishgarh	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
ALL INDIA 2012-13	3,157	12,578	25,976	11,001	15,282	26,283	139,932	54,467	194,399
2011-12	3,167	12,639	26,117	10,664	14,515	25,179	140,974	54,658	195,632

\$ = 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
Total		3,219 (3,287)	98.1

* = 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
I. Food crops	142,306	72.74	139,174	71.59
1. Total Foodgrains	123,576	63.17	120,357	61.91
(A) Cereals & Millets	100,150	51.19	98,398	50.62
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) Pulses	23,426	11.97	21,959	11.30
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
2. Sugar	5,411	2.77	5,488	2.82
(i) Sugarcane	5,395	2.76	5,443	2.80
(ii) Others	16	0.01	45	0.02
3. Condiments & Spices	3,632	1.86	3,312	1.70
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
4. Total fruits & vegetables	9,462	4.84	9,811	5.05
(i) Total fruits	4,027	2.06	4,306	2.22
(A) Fresh fruits	3,500	1.79	3,766	1.94
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) Dry fruits	527	0.27	540	0.28
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
(ii) Vegetables	5,435	2.78	5,505	2.83
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
5. Other food crops	225	0.12	205	0.11
II. Non food crops	53,326	27.26	55,225	28.41
1. Oilseeds	28,083	14.36	29,097	14.97
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
2. Fibres	13,134	6.71	12,793	6.58
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
3. Dyes & Tanning Material	57	0.03	52	0.03
Indigo	2	0.001	2	0.001
Others	56	0.03	50	0.03
4. Drugs, Narcotics & Plantation Crops	2,915	1.49	2,729	1.40
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
5. Fodder crops	7,738	3.96	9,188	4.73
6. Green Manure crops	329	0.17	378	0.19
7. Other Nonfood crops	1,070	0.55	988	0.51
Total area sown (under all crops) (I+II)	195,632	100.00	194,399	100.00

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	
	Autumn		Winter		Summer		Kharif	
	Sowing	Harvesting	Sowing	Harvesting	Sowing	Harvesting	Sowing	Harvesting
East								
Assam	Mid-Feb.- April	June- August	May- July	Nov.- Jan.	-	-	-	-
Bihar	May- July	Sept.- Oct.	July- Sept.	Nov.- Dec.	Jan.- Feb.	May- June	April- August	Sept.- Dec.
Meghalaya	Mid-Feb.- April	June- August	March- July	Nov.- Jan.	-	-	-	-
Nagaland	March- May	June- August	May- July	Nov.- Jan.	-	-	-	-
Odisha \$	May- June	Sept.- Oct.	June- August	Dec.- Jan.	Dec.- Jan.	May- June	June- July	Sept.- Oct.
West Bengal	March- June(B) May- June(T)	July- Nov. -	April- June(B) June- Aug.(T)	Nov.- Dec. -	Oct.- Feb.(T) -	April- May -	-	-
North								
Haryana	May- August	Sept.- Nov.	-	-	-	-	June- July	Sept.- Nov.
Himachal Pradesh	June- July	Sept.- Nov.	-	-	-	-	-	-
Jammu & Kashmir	-	-	April- July	Sept.- Dec.	-	-	-	-
Punjab	May- August	Sept.- Nov.	-	-	-	-	June- July	Sept.- Nov.
Uttar Pradesh	May- July	Sept.- Nov.	June- August	Nov.- Dec.	Jan- Feb.	April- June	June- July	Oct.- Dec.
South								
Andhra Pradesh#	March- May	June- Sept.	June- Oct.	Nov.- March	Dec- Feb.	March- May	June- oct.	Jan.- April
Karnataka	May- August	Sept.- Dec.	June- Oct.	Nov.- March	Dec.- Feb.	April- July	May- July	Oct.- Dec.
Kerala	April- June	Aug.- Oct.	Aug.- Oct.	Dec.- Feb.	Nov.- Feb.	Feb.- May	-	-
Tamil Nadu	May- Nov.	Sept.- Feb.	Oct.- Jan.	Jan.- April	Feb.- April	May- June	June- oct.	Sept.- Jan.
West								
Gujarat	June- August	Oct.- Dec.	-	-	-	-	June- July	Nov.- Dec.
Madhya Pradesh	10th June- 15th Aug.	15th Sept.- 15th Dec.	-	-	-	-	10th June- 7th Aug.	Nov.- 15th Jan.
Maharashtra	June- July	Oct.- Dec.	-	-	-	-	June- July	Nov.- Jan.
Rajasthan	July- August	Oct.- Dec.	-	-	-	-	June- August	Oct.- Dec.
All India	March- Aug.	June- Dec.	June- Oct.	Nov.- April	Nov.- Feb.	March- June	April- August	Sept.- Jan.
(Continued)								

1.05 SOWING AND HARVESTING SEASONS OF PRINCIPAL CROPS IN MAJOR GROWING STATES (Continued)								
Zone/State	Jowar		Bajra		Maize		Wheat	
	Rabi		Sowing	Harvesting	Sowing	Harvesting	Sowing	Harvesting
	Sowing	Harvesting						
East								
Assam	-	-	-	-	April-May	August-Sept.	Nov.-Dec.	Mar.-Apr.
Bihar	-	-	April-August	Sept.-Dec.	June-July	Sept.-Oct.	Oct.-Dec.	Feb.-May
Meghalaya	-	-	-	-	April-May	August-Sept.	-	-
Nagaland	-	-	-	-	-	-	-	-
Odisha \$	-	-	-	-	June-July	Sept.-Oct.	Oct.-Nov.	Mar.-Apr.
West Bengal	-	-	-	-	April-June	July-August	Oct.-Dec.	Mar.-Apr.
North								
Haryana	-	-	June-August	Sept.-Nov.	June-July	Sept.-Nov.	Oct.-Dec.	Apr.-May
Himachal Pradesh	-	-	-	-	April-June	Sept.-Oct.	Oct.-Nov.	Apr.-June
Jammu & Kashmir	-	-	June-July	Sept.-Oct.	April-June	Aug.-Oct.	Oct.-Nov.	Apr.-June
Punjab	-	-	June-August	Sept.-Nov.	June-July	Sept.-Nov.	Oct.-Dec.	Apr.-May
Uttar Pradesh	-	-	June-August	Sept.-Nov.	June-July	Aug.-Oct.	Oct.-Dec.	Mar.-May
South								
Andhra Pradesh#	Nov.-Dec.	March-April	June-August	Sept.-Dec.	June-Aug. (K) Oct.-Dec. (F)	Sept.-Oct. (K) Oct.-Dec. (R)	-	-
Karnataka	Sept.-Nov.	Jan.-March	June-August	Sept.-Jan.	April-July	July-Nov.	Sept.-Nov.	Jan.-Mar.
Kerala	-	-	-	-	-	-	-	-
Tamil Nadu	Nov.-May	Feb.-July	May-Dec.	Sept.-March	-	-	-	-
West								
Gujarat	Sept.-Oct.	Feb.	June-July	Sept.-Nov.	June-July	Sept.-Nov.	Oct.-Nov.	Feb.-Mar.
Madhya Pradesh	20th Sept.-Oct.	Jan.-March	'15th June-8th Aug.	10th Oct.-Dec.	June-July	15th Aug.-Sept.	Oct.-Nov.	15th Feb-Apr
Maharashtra	Sept.-Nov.	Jan.-March	June-July	Oct.-Nov.	June-July (K) Nov.-Dec.®	Aug.-Nov. (K) March-April (R)	Oct.-Nov.	Feb.-Mar.
Rajasthan	-	-	June-July	Sept.-Nov.	June-July	Sept.-Nov.	Oct.-Dec.	Mar.-May
All India	Sept.-Dec.	Jan.-April	June-August	Sept.-Dec.	June-Aug. (K) Oct.-Dec. (R)	Aug.-Nov. (K) Jan.-April (R)	Sept.-Dec.	Feb.-May

(Continued)

1.05 SOWING AND HARVESTING SEASONS OF PRINCIPAL CROPS IN MAJOR GROWING STATES (Continued)						
Zone/State	Gram		Potato (Winter)			
	Sowing	Harvesting	Hills		Plains	
			Sowing	Harvesting	Sowing	Harvesting
East						
Assam	-	-	Oct.-Nov.	Jan.-Feb.	Oct.-Nov.	Jan.-Feb.
Bihar	Oct.-Dec.	Feb.-May	-	-	Oct.-Feb.	Dec.-Mar.
Meghalaya	-	-	Oct.-Nov.	Jan.-Feb.	Oct.-Nov.	Jan.-Feb.
Nagaland	-	-	-	-	-	-
Odisha \$	-	-	-	-	Oct.-Nov.	Jan.-Feb.
West Bengal	Nov.-Dec	Mar.-Apr	-	-	Sept.-Nov.	Jan.-Apr.
North						
Haryana	Sept.-Nov.	Mar.-Apr.	Sept.-Oct. Jan.-Apr.	Jan.-Feb. June.-Oct.	Sept.-Oct. Dec.-Jan.	Nov.-Jan. Apr.-May
Himachal Pradesh	Sept.-Nov.	Apr.-May	Jan.-Feb.	Jan-July	-	-
Jammu & Kashmir	-	-	June-July Sept.-Oct	Oct.-Jan. Feb.	Sept.-Oct. June-July	Dec.-Feb. Oct.
Punjab	Sept.-Nov.	Mar.-Apr.	Sept.-Oct Jan.-Apr.	Jan./-Feb. June-Oct.	Sept.-Oct. Dec.-Jan.	Nov.-Jan. Apr.-May
Uttar Pradesh	Sept.-Nov.	Mar.-Apr.	Nov.-Dec.	Mar.	Sept.-Oct.	Nov.-Feb.
South						
Andhra Pradesh#	Nov.-Dec.	Feb.-Mar.	-	-	Oct.-Nov.	Jan.-Feb.
Karnataka	Sept.-Dec.	Dec.-Apr.	-	-	July-Jan.	Sept.-June
Kerala	-	-	-	-	-	-
Tamil Nadu	-	-	Sept.-Dec.	Dec.-May	Oct.-Nov.	Feb.-Mar.
West						
Gujarat	Oct.-Nov.	Feb.-Mar.	Nov.-Dec.	Feb.-Mar.	Oct.-Nov.	Feb.-Mar.
Madhya Pradesh	Oct.-Nov.	Feb.-Mar.	Oct.7-Dec.	15 Feb.-Mar.	15Oct.-Nov.	March- 15th May
Maharashtra	Sept.-Nov.	Jan.-Apr.	-	-	Nov.	Feb.
Rajasthan	Sept.-Nov.	Feb.-Apr.	-	-	Aug.-Nov.	Dec.-Mar.
All India	Sept-Dec.	Feb.-May	Aug.-Dec. (Sowing)		Jan.-May (Harvesting)	
(Continued)						

1.05 SOWING AND HARVESTING SEASONS OF PRINCIPAL CROPS IN MAJOR GROWING STATES (Continued)									
Zone/State	Potato (Summer)		Potato (Summer)		Sugarcane		Tobacco		
	Hills		Plains		Sowing	Harvesting	Sowing	Harvesting	
	Sowing	Harvesting	Sowing	Harvesting					
East									
Assam	Feb.-Mar.	May-Jun.	-	-	Mar.-Apr.	Nov-Jan.	Oct.-Nov.	Feb.-Mar.	
Bihar	-	-	-	-	Dec.-Feb.	Nov.-Mar.	-	-	
Meghalaya	Feb.-Mar.	May-June	-	-	-	-	Oct.-Nov.	Feb.-Mar.	
Nagaland	-	-	-	-	-	-	-	-	
Odisha \$	-	-	July-Aug.	Sept-Oct.	Feb.-May.	Nov.-Feb.	Sept.-Dec.	Nov.-Jan.	
West Bengal	-	-	-	-	Dec.-Apr.	Dec.-Mar.	Sept.-Dec.	Feb.-Mar.	
North									
Haryana	Nov.-Feb.	June	Sept.-Oct.	Dec.-July	Feb.-Apr.	Dec.-Mar.	Nov.-Mar.	May-June	
	Mar.-May	Dec.-July	Jan.-Feb.	-					
Himachal Pradesh	Apr.-May	Sept.-Oct.	-	-	Mar.-May	Oct.-Dec.	May-June	Oct.-Nov.	
Jammu & Kashmir	Mar.-June	Sept.-Oct.	Mar.-June.	Sept.-Oct.	Feb.-Mar.	Oct.-Dec.	Mar.-July	June-July	Sept.-Nov.
Punjab	Jan.-Feb.	June	Sept.-Oct.	Dec.-July	Feb.-Apr.	Dec.-Mar.	Nov.-Mar.	May-June	
	Mar.-May	Dec.-July	Jan.-Feb.	-			June-Aug.	Oct.-Dec.	
Uttar Pradesh	Sept.-Oct.	Nov.-Dec.	Sept.-Oct.	Nov.-Dec.	Sept.-Apr.	Oct.-June	Sept.-Feb.	Jan.-May	
South									
Andhra Pradesh#	-	-	-	-	June-May	Dec.-Apr.	Oct.	Feb.	
Karnataka	Apr.-May	Aug.-Sept.	June-Jan.	Sept.-Apr.	Dec.-Mar.	Nov.-Mar.	Apr.-Sept.	Aug.-Feb.	
Kerala	-	-	-	-	Nov.-Feb.	Oct.-Dec.	-	-	
					Jan.-Mar.	Dec.-Feb.			
Tamil Nadu	Apr.-July	July-Nov.	Apr-May	Aug.-Sept.	Dec.-Sept.	Dec.-Aug.	Sept.-Jan.	Feb.-Apr.	
West									
Gujarat	-	-	-	-	Oct.-May	Dec.-Mar.	July.-Sept.	Nov.-Feb.	
Madhya Pradesh	June- 15th Aug.	21st Sept.- 15th Nov.	10th June- 15th Aug.	Sept-Dec.	15th Dec.- 8th May	Oct.-Mar.	10 June- 15Nov.	Nov.- 15 Mar.	
Maharashtra	-	-	July	Oct.	Dec.-Apr.	Oct.-Feb.	July.-Sept.	Jan.-Mar.	
Rajasthan	-	-	-	-	Jan.-May	Nov.-Feb.	Nov.-Jan.	Apr.-May	
All India	Feb.-July (Sowing)		Jan.-May (Harvesting)		Dec.-May	Oct.-Apr.	July-Dec.	Jan.-May	
(Continued)									

1.05 SOWING AND HARVESTING SEASONS OF PRINCIPAL CROPS IN MAJOR GROWING STATES (Concluded)						
Zone/State	Groundnut		Cotton		Jute	
	Sowing	Harvesting	Sowing	Harvesting	Sowing	Harvesting
East						
Assam	-	-	Apr.-May	Jan.-Mar.	Feb.-Mar.	July-Aug.
Bihar	July-Aug.	Dec.-Jan.	June-July	Nov.-Dec.	Mar.-July	July-Sept.
Meghalaya	-	-	Apr.-May	Jan.-Mar.	Feb.-Aug.	July-Aug.
Nagaland	-	-	-	-	-	-
Odisha \$	June.-July	Nov.-Dec.	-	-	May-June	Aug.-Sept.
West Bengal	-	-	-	-	Mar., June	July-Oct.
North						
Haryana	June-July	Nov.-Dec.	May-June	Sept.-Dec.	-	-
Himachal Pradesh	June	Oct.	-	-	-	-
Jammu & Kashmir	-	-	-	-	-	-
Punjab	June-July	Nov.-Dec.	May-June	Sept.-Dec.	-	-
Uttar Pradesh	May-July	Oct.Dec.	Apr.-June	Sept.-Jan	Jan.-July	July-Nov.
South						
Andhra Pradesh#	May-Oct.	Sept.-Jan.	June-Oct.	Jan.-May	-	-
Karnataka	June-Aug.	Sept.-Dec.	May-Sept.	Oct.-Apr.	-	-
Kerala	-	-	Aug.-Sept.	Feb.-Mar.	-	-
Tamil Nadu	Jan.-May July-Oct.	Apr.-May Oct.-Jan.	Feb.-Nov.	Oct.-Dec.	-	-
West						
Gujarat	June.-July	Sept.-Nov.	June-Sept.	Dec.-Mar.	-	-
Madhya Pradesh	10 June- July	21 Sept.- 15Nov.	20 May- July	15 Oct.- Feb.	-	-
Maharashtra	June-July	Sept.-Dec.	June.-Sept.	Nov.-Apr.	-	-
Rajasthan	June-Aug.	Oct.-Dec.	May-July	Oct.-Dec. Jan.-Aug.	-	-
All India	May-Aug.	Sept.-Jan.	Mar.-Sept.	Sept.-Apr.	Feb.-July	July.-Nov.
(B) = Broadcasting (T) = Transplanting (K)=Kharif (R)=Rabi \$ = from November 2011 (Formerly Orissa). # = Includes Telangana. Source: Area and Production of Principal Crops in India - 1993-94 to 1994-95, 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	101,196	18,317	76.7	81.2	
2	1951 - 52	100,853	18,563	75.7	80.1	0.34
3	1952 - 53	105,212	19,035	76.4	81.7	0.35
4	1953 - 54	110,437	20,021	77.5	82.2	0.35
5	1954 - 55	109,355	20,140	75.9	80.7	0.35
6	1955 - 56	111,325	20,626	75.6	80.4	0.35
7	1956 - 57	112,662	20,453	75.4	79.6	0.34
8	1957 - 58	109,768	21,163	75.3	79.5	0.33
9	1958 - 59	114,845	21,460	75.7	79.6	0.33
10	1959 - 60	116,357	21,844	76.1	79.6	0.33
11	1960 - 61	115,564	22,065	75.6	78.9	0.32
12	1961 - 62	117,281	22,448	75.1	78.9	0.32
13	1962 - 63	118,157	23,390	75.4	79.4	0.32
14	1963 - 64	117,696	23,340	75.0	78.6	0.31
15	1964 - 65	118,419	23,943	74.4	78.0	0.31
16	1965 - 66	114,887	24,032	74.0	77.8	0.29
17	1966 - 67	115,998	25,764	73.7	78.8	0.29
18	1967 - 68	121,254	26,167	74.1	78.8	0.37
19	1968 - 69	119,309	28,098	74.8	79.2	0.28
20	1969 - 70	122,714	29,080	75.6	78.6	0.28
21	1970 - 71	124,910	30,117	75.3	78.9	0.28
22	1971 - 72	122,846	30,081	74.4	78.3	0.28
23	1972 - 73	121,343	30,762	74.8	78.8	0.26
24	1973 - 74	127,383	31,173	75.0	77.4	0.27
25	1974 - 75	121,796	32,305	74.2	77.4	0.26
26	1975 - 76	128,538	34,093	75.0	78.6	0.26
27	1976 - 77	125,077	34,222	74.7	78.6	0.25
28	1977 - 78	127,725	35,405	74.2	76.8	0.25
29	1978 - 79	129,266	37,214	73.9	77.0	0.25
30	1979 - 80	125,598	38,118	74.1	77.5	0.24
31	1980 - 81	127,608	37,851	73.9	76.0	0.24
32	1981 - 82	129,697	38,381	73.4	74.7	0.24
33	1982 - 83	125,562	38,714	72.7	74.7	0.23
34	1983 - 84	131,423	40,654	73.2	75.5	0.23
35	1984 - 85	127,048	40,504	72.1	74.3	0.22
36	1985 - 86	128,756	40,407	72.1	74.4	0.22
37	1986 - 87	127,992	41,777	72.6	74.9	0.22
38	1987 - 88	120,876	40,474	70.8	72.2	0.21
39	1988 - 89	127,573	43,913	70.0	71.8	0.21
40	1989 - 90	126,526	44,268	69.4	71.6	0.21
41	1990 - 91	127,948	44,866	68.9	71.0	0.20
42	1991 - 92	122,520	45,790	67.2	69.7	0.20
43	1992 - 93	125,215	46,856	67.5	70.2	0.19
44	1993 - 94	124,825	48,259	66.9	70.7	0.19
45	1994 - 95	125,949	49,894	67.0	70.6	0.19
46	1995 - 96	123,463	49,543	65.9	69.4	0.18
47	1996 - 97	125,101	52,175	66.0	68.6	0.16
48	1997 - 98	125,716	52,440	66.2	69.3	0.16
49	1998 - 99	126,879	54,957	66.2	69.9	0.17
50	1999 - 2000	124,719	55,661	66.2	70.3	0.17
51	2000 - 2001	122,680	53,609	66.2	70.4	0.17
52	2001 - 2002	124,222	54,131	66.1	69.1	0.16
53	2002 - 2003	115,254	50,043	66.3	68.5	0.16
54	2003 - 2004	124,971	53,242	65.9	68.2	0.16
55	2004 - 2005	122,710	54,715	64.2	67.5	0.16
56	2005 - 2006	123,610	56,489	64.1	67.0	0.15
57	2006 - 2007	124,106	58,550	64.5	67.5	0.15
58	2007 - 2008	125,859	59,512	64.5	67.6	0.15
59	2008 - 2009 (P)	124,635	60,415	63.8	68.0	0.15
60	2009 - 2010 (P)	121,481	58,122	64.3	68.3	0.15
61	2010 - 2011 (P)	126,955	61,065	64.3	68.7	0.14
62	2011 - 2012 (P)	123,576	61,612	63.2	67.2	0.14
63	2012 - 2013 (P)	120,357	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
Marginal	71,179	75,408	83,694	92,356	28,121	29,814	32,026	35,410	0.40	0.40	0.38	0.38
(Less than 1ha.)	(61.6)	(62.9)	(64.8)	(67.0)	(17.2)	(18.7)	(20.2)	(22.2)				
Small	21,643	22,695	23,930	24,705	30,722	32,139	33,101	35,136	1.42	1.42	1.38	1.42
(1.0 to 2.0 ha.)	(18.7)	(18.9)	(18.5)	(17.9)	(18.8)	(20.2)	(20.9)	(22.1)				
Semi-Medium	14,261	14,021	14,127	13,840	38,953	38,193	37,898	37,547	2.73	2.72	2.68	2.71
(2.0 to 4.0 ha.)	(12.3)	(11.7)	(10.9)	(10.0)	(23.8)	(24.0)	(23.9)	(23.6)				
Medium	7,092	6,577	6,375	5,856	41,398	38,217	36,583	33,709	5.84	5.81	5.74	5.76
(4.0 to 10.0)	(6.1)	(5.5)	(4.9)	(4.3)	(25.3)	(24.0)	(23.1)	(21.2)				
Large	1,404	1,230	1,096	1,000	24,160	21,072	18,715	17,379	17.20	17.12	17.08	17.37
(10.0 & above)	(1.2)	(1.0)	(0.8)	(0.7)	(14.8)	(13.2)	(11.8)	(10.9)				
Total	115,580	119,931	129,222	137,757	163,355	159,436	158,323	159,180	1.41	1.33	1.23	1.16
	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)				

() = Percentage share of various categories to the total (vertical) of a particular year.

* = Excluding Jharkhand.

Source: Various issues of *Agriculture Census*, 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	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	5.71	16.72	19.54	2.20	2.11
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	1.39	2.72	2.72	5.66	5.66	17.00	15.44	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	0.50	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	16.07	1.46	1.45
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	0.56	1.33	1.58	2.54	2.75	5.22	5.49	23.21	17.24	1.18	1.37
Nagaland	0.47	0.51	1.17	1.14	2.52	2.59	6.11	6.13	19.46	17.54	6.93	5.99
Odisha \$	0.52	0.57	1.37	1.63	2.65	2.95	5.51	5.99	15.89	25.46	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	0.27	1.37	1.39	2.51	2.59	5.30	4.81	63.43	14.29	0.50	0.52
Uttar Pradesh	0.40	0.37	1.40	1.39	2.73	2.72	5.55	5.52	15.20	15.01	0.80	0.75
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	338.58	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	0.31	1.24	1.40	2.51	2.74	5.70	5.57	66.99	22.91	1.15	0.93
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
All India *	0.38	0.38	1.38	1.42	2.68	2.71	5.74	5.76	17.08	17.37	1.23	1.16

* = 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)

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
East											
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	142	4862
West Bengal	2005-06	6681	283	28	1	6992	4394	772	138	221	5526
	2010-11	6833	267	23	1	7123	4448	731	110	221	5509
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	170	32	7	neg	209	157	88	37	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	28	47	78	25	178	27	122	476	441	1066
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	524	24	4	neg	552	203	62	19	1	286
North											
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	2000-01	789	90	31	4	914	497	243	176	63	979
	2005-06	813	88	29	4	933	503	240	165	60	968
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	21181	1327	397	25	22929	10911	3605	2191	382	17089
Chandigarh	2005-06	1	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
South											
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	1355	847	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
West											
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	3128	1042	496	72	4738	2861	2886	2835	1397	9979
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	10758	2158	710	73	13699	8920	5761	3989	1171	19842
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	51	4	2	Neg.	58	23	10	10	11	53
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
All India	2005-06	107624	14127	6375	1096	129222	65127	37898	36583	18715	158323
	2010-11	117061	13840	5856	1000	137757	70546	37547	33709	17379	159180
Neg. = Negligible (P) = Provisional. \$ = from November 2011 (Formerly Orissa). # = Includes Telangana.											
Source: Various issues of Agriculture Census, Deptt. Of Agriculture and Cooperation, 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 & Statistics, Department of Agriculture & Co-operation, Ministry of Agriculture & Farmers Welfare, Gol, 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
IV. Humid-Per humid	14	Western Himalayas	J & K, HP, UP	Warm sub humid (to humid with inclusion of per humid)	Brown forest and podzolic	180-210+
	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+
V. Coastal	17	North Eastern Hills (Purvanchal)	Tripura, Mizoram, Meghalaya	Warm per humid	Red and lateritic	210+
	18	Eastern Coastal Plain	TN, Pondicherry, AP Orissa, W. Bengal	Hot sub humid to semi arid	Coastal alluvium-derived	90-210+
VI. Island	19	Western Ghats & Coastal Plain	Kerala, Goa, Daman & Diu, Maharashtra, Gujarat, Kerala	Hot humid-Per humid	Red, lateritic and alluvium derived	210+
	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

2.01 GROSS CROPPED AND IRRIGATED AREA AND AREA UNDER FOODGRAINS WITH CROPPING INTENSITY - STATE-WISE 2012-13 (Provisional)								
(Area in '000 hectares)								
Zone/State	Cultivated area		Cropp- ing inten- sity (%)	Irrigated area		Percent- age of net irrigated area to net cultiva- ted area	Area under food grains	Share of area under foodgrains to total cropped area (%)
	Net	Gross		Net	Gross			
East	20849	30430	146.0	8098	13808	38.8	22982	75.5
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
North	26244	43351	165.2	21942	34877	83.6	33673	77.7
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
South	27535	33184	120.5	11049	13746	40.1	17111	51.6
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	- *	- *	-	- ***	-
West	65303	87439	133.9	25015	30143	38.3	46592	53.3
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
2012-13	139932	194399	138.9	66103	92575	47.2	120357	61.9
2011-12	140974	195632	138.8	65693	91730	46.6	123576	63.2

\$ = 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	
East	1,034	50	1,083	114	1,978	79	4,845	8,098
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
North	5,281	113	5,394	116	15,146	885	399	21,942
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
South	3,077	2	3,079	1,105	3,808	2,347	708	11,049
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 **	-	-	-	-	-	-	-	-
West	6,070	-	6,070	413	9,564	7,452	1,517	25,015
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
All India 2012-13	15,462	165	15,628	1,748	30,497	10,764	7,466	66,103
2011-12	15,838	172	16,010	1,918	29,942	10,595	7,228	65,693

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
East	6,652	1.00	-	473	6	2,468	4	2	9,608
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
North	9,449	46	257	434	7	15,975	182	25	26,379
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
South	5,970	227	57	1,065	65	132	-	2	7,519
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 **	-	-	-	-	-	-	-	-	-
West	2,854	334	384	204	-	9,911	350	7	14,046
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
ALL India 2012-13	24,924	609	699	2,179	80	28,487	537	36	57,551
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
East	15	-	148	163	9,775	218	70	465	806	13,808
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
North	119	54	458	632	27,011	2,320	5	1,080	1,123	34,877
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
South	129	37	93	262	7,782	1,344	665	-	1,792	13,746
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 **	-	-	-	-	-	-	-	-	-	-
West	2,646	45	331	3,022	17,067	1,294	631	3,011	4,532	30,143
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
ALL India 2012-13	2,910	138	1,032	4,081	61,632	5,175	1,373	4,555	8,251	92,575
2011-12	2,609	143	1,044	3,796	61,612	5,110	1,266	4,025	7,753	91,730

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)							
Zone/State	Rice	Jowar	Bajra	Maize	Wheat	Barley	Total Cereals & Millets
East	38.6	19.7	-	39.0	93.4	23.7	45.1
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
North	89.2	18.9	18.9	28.6	94.9	64.7	84.9
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
South	90.2	12.9	14.8	41.5	56.5	--	60.7
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	--	--	--	--	--	--	--
West	34.3	7.8	6.5	6.2	91.8	86.7	41.8
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
All India	58.3	9.7	9.1	25.4	93.4	76.5	58.5

(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
East	12.2	9.8	42.5	48.3	50.1	47.6	67.2	-	96.5	45.4
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
North	17.9	24.1	80.2	5.4	81.8	61.2	94.8	99.8	98.3	80.5
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
South	7.8	5.5	45.5	29.3	-	32.3	98.6	18.3	22.4	41.4
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	--	-	-	--	--	-	--	--	--	-
West	47.9	23.3	36.6	22.8	81.4	22.6	98.9	30.7	95.4	32.5
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
All India	36.5	18.6	51.2	26.0	76.5	28.4	95.1	33.8	54.2	47.6

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.

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							
(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)
All Size Classes	54,515 (100.00)	51,557 (100.00)	17,206 (100.00)	24,778 (100.00)	13,010 (100.00)	58,145 (100.00)	64,943 (100.00)
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. (www.agcensus.nic.in)							
2.05 (b) IRRIGATED AREA BY SOURCE OF IRRIGATION IN INDIA BY MAJOR SIZE CLASSES OF HOLDINGS FOR ALL SOCIAL GROUPS - 2010-11							
(Area in Thousand Hectares)							
Major size Classes	Area irrigated by						
	Canals	Tanks	Wells	Tubewells	Other sources	Total	
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)	
All Size Classes	16,908 (26.19)	2,248 (3.48)	11,917 (18.46)	29,165 (45.17)	4,329 (6.70)	64,567 (100.00)	
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. (www.agcensus.nic.in)							

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)
	Total	50,516	26,084	(100.00)	13,770	(100.00)	39,856	(100.00)
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)
	Total	7,199	878	(100.00)	6,825	(100.00)	7,703	(100.00)
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)
	Total	6,816	1,042	(100.00)	8,938	(100.00)	9,980	(100.00)
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)
	Total	14,349	2,112	(100.00)	6,493	(100.00)	8,604	(100.00)
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)
	Total	33,628	26,648	(100.00)	4,252	(100.00)	30,900	(100.00)
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)
	Total	95,275	61,111	(100.00)	49,400	(100.00)	110,511	(100.00)
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)
	Total	5,944	1,543	(100.00)	6,291	(100.00)	7,834	(100.00)

(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)
	Total	6,406	262	(100.00)	3,970	(100.00)	4,231	(100.00)
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)
	Total	22,710	2,687	(100.00)	19,573	(100.00)	22,260	(100.00)
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)
	Total	103,773	63,797	(100.00)	68,974	(100.00)	132,771	(100.00)
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)
	Total	6,256	4,465	(100.00)	660	(100.00)	5,125	(100.00)
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)
	Total	10,607	1,450	(100.00)	1,679	(100.00)	3,129	(100.00)
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)
	Total	13,101	2,763	(100.00)	1,254	(100.00)	4,018	(100.00)
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)
	Total	4,884	1,370	(100.00)	3,867	(100.00)	5,236	(100.00)
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)
	Total	8,280	711	(100.00)	619	(100.00)	1,330	(100.00)

(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)
Total		5,799	885	(100.00)	8,010	(100.00)	8,894	(100.00)
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)
Total		28,333	7,618	(100.00)	17,245	(100.00)	24,863	(100.00)
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)
Total		7,716	2,991	(100.00)	8,074	(100.00)	11,065	(100.00)
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)
Total		1,849	409	(100.00)	411	(100.00)	820	(100.00)
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)
Total		181	122	(100.00)	371	(100.00)	493	(100.00)
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)
Total		539	20	(100.00)	320	(100.00)	340	(100.00)
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)
Total		1,020	8	(100.00)	507	(100.00)	514	(100.00)

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)

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												
Total		100.0												
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												
Total		100.0												
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	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
1. Excess/Normal	15	31	23	32	27	31	33	13	31	33	23	30	24	19
2. Deficient/Scanty	21	5	13	4	9	5	3	23	5	3	13	6	12	17
Total	36	36	36	36	36	36	36	36	36	36	36	36	36	36
3. % of districts with normal to excess rains	39	76	56	72	60	72	76	41	69	76	58	72	55	51
4. % of normal rainfall *	81	102	87	99	100	106	98	77	102	101	92	106	88	86
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 2014-15</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	Year	Rainfall as % of Long period					
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							
1996	103							
1997	103							
1998	102							
1999	95							
<p>Note : Five most bountiful rain years of the century : 1917-121%, 1933-117%,1961-121%, 1988-119%, 1990-119% and 1994-110%</p> <p>Source : <i>Economic Survey - 2014-15</i>, Ministry of Finance, New Delhi.</p>								
3.04 RESERVOIR STORAGE STATUS (At the end of September)								
Item	Unit	2009	2010	2011	2012	2013	2014	2015
1. Number of Reservoirs	No.	81	81	81	84	85	85	91
2. Designed Live Storage	BCM	151.77	151.77	151.77	154.42	154.88	155.05	157.80
3. Storage	"							
At the beginning of monsoon season	"	17.50	21.24	36.41	30.48	32.19	N.A.	39.91@
At the end of monsoon season	"	89.84	115.23	131.08	115.26	132.45*	124.61	95.69
4. Percentage of full reservoir								
At the beginning of monsoon season	%	11.5	14.0	24.0	19.7	20.8	N.A.	92.0@
At the end of monsoon season	%	59.2	76.0	86.4	74.6	85.5*	79.5*	77.0
BCM = Billion cubic meter.		@ As on 4 June, 2015		* = As on 25th Sept.		(P) = Provisional.		
N.A. = Not available.								
Source : 1. <i>Economic Survey - 2014-15</i> , 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						
1 Andhra Pradesh (i) East Godavari (ii) Krishna (iii) Warangal (iv) Srikakulam (v) Visakhapatnam (vi) Khammam (vii) Prakasam (viii) Nellore (ix) Cuddapah		(iv) Hassan	9 Odisha \$ Ganjam			
		(v) Mysore				
		(vi) Gulbarga				
		6 Jammu & Kashmir		10 Punjab Patiala		
		Kargil				
		2 Bihar (i) Palamau (ii) Champaran (iii) Dhanbad (iv) Bhagalpur (v) Patna (vi) Rohtas (vii) Gaya (viii) Monghyr			7 Madhya Pradesh	11 Rajasthan (i) Jhalawar (ii) Kota
					(i) Guna	
					(ii) Bhopal	12 Tamil Nadu (i) Madurai (ii) Madras (iii) North Arcot (iv) Salem (v) Tiruchirapalli
					(iii) Satna	
(iv) Betul						
(v) Chindwara						
(vi) Ratlam						
3 Gujarat (i) Surat (ii) Bharuch (iii) Baroda (Vadodara) (iv) Ahmedabad (v) Panchmahal			(vii) Indore		13 Uttar Pradesh (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	
			(ix) West Nimar			
			(x) Gwalior			
			(xi) Morena			
			(xii) East Nimar			
4 Haryana Ambala		8 Maharashtra				
		(i) Nagpur				
5 Karnataka (i) Shimoga (ii) Bidar (iii) Bangalore		(ii) Kolhapur				
		(iii) Yeotmal				
		(iv) Amravati				
		(v) Buldhana				
		(vi) Akola				
		(vii) Jalgaon				
		(viii) Osmanabad				
		(ix) Aurangabad				
		(x) Parbhani				

\$ = from November 2011 (Formerly Orissa).

Source : National Bank News Review - November 1987, NABARD, Mumbai.

3.06 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	Telengana	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
Average		1,387.7				

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 2014- FEBRUARY 2015 ACTUAL COMPARED TO NORMAL - SEASONWISE						
(Unit: mm)						
Sub-division	Pre-monsoon priod (1st March 2014 to 31st May 2014)			South-West monsoon period (1st June 2014 to 30th Sept. 2014)		
	Actual	Normal	Excess/ Deficient (%)	Actual	Normal	Excess/ Deficient (%)
1. A & N Islands	249	465	-46	1619	1683	-4
2. Arunachal Pradesh	521	750	-31	1748	1768	-1
3. Assam & Meghalaya	391	590	-34	1635	1793	-9
4. Nagaland, Manipur, Mizoram & Tripura	241	494	-51	1119	1497	-25
5. Sub-Himalayan West Bengal & Sikkim	371	457	-19	1865	2006	-7
6. Gangetic West Bengal	136	165	-17	1001	1168	-14
7. Odisha	149	135	11	1257	1150	9
8. Jharkhand	115	79	45	930	1092	-15
9. Bihar	114	77	47	849	1028	-17
10. East Uttar Pradesh	26	32	-17	518	898	-42
11. West Uttar Pradesh	39	29	33	340	769	-56
12. Uttarakhand	154	156	-1	898	1229	-27
13. Haryana, Chandigarh & Delhi	55	34	60	203	466	-56
14. Punjab	77	53	44	244	492	-50
15. Himachal Pradesh	249	245	2	522	825	-37
16. Jammu & Kashmir	395	326	21	633	535	18
17. West Rajasthan	37	19	95	263	263	0
18. East Rajasthan	23	17	34	619	616	0
19. West Madhya Pradesh	7	13	-44	771	876	-12
20. East Madhya Pradesh	25	25	1	747	1051	-29
21. Gujarat region	3	6	-60	777	901	-14
22. Saurashtra & Kutch and Diu	3	4	-22	455	473	-4
23. Konkan & Goa	29	37	-20	2753	2914	-6
24. Madhya Maharashtra	59	38	55	675	729	-7
25. Marathwada	91	30	199	399	683	-42
26. Vidarbha	56	31	82	817	955	-14
27. Chhattisgarh	51	45	13	1104	1147	-4
28. Coastal Andhra Pradesh	97	97	0	449	581	-23
29. Telangana	128	57	126	499	755	-34
30. Rayalaseema	75	82	-9	309	398	-23
31. Tamil Nadu & Puducherry	155	128	21	315	317	-1
32. Coastal Karnataka	195	179	9	3123	3084	1
33. North Interior Karnataka	149	85	75	483	506	-4
34. South Interior Karnataka	194	145	34	795	660	20
35. Kerala	363	380	-4	2163	2040	6
36. Lakshadweep	77	232	-67	955	999	-4
Country as a whole	130	131.3	-1	777.5	886.9	-12
Excess : +20% or more	Deficient : -20% to -59%					
Normal : +19% to -19%	Scanty : -60% to -99%					

(Continued)

3.08 RAINFALL IN INDIA DURING MARCH 2014 - FEBRUARY 2015 ACTUAL COMPARED TO NORMAL - SEASONWISE (Concluded)						
Sub-division	Post monsoon period (1st Oct. 2014 to 31st Dec. 2014)			Winter monsoon period (1st Jan. 2015 to 28th Feb. 2015)		
	Actual	Normal	Excess/ Deficient (%)	Actual	Normal	Excess/ Deficient (%)
1. A & N Islands	701	696	1	134	83	62
2. Arunachal Pradesh	65	267	-76	74	148	-50
3. Assam & Meghalaya	38	195	-80	28	47	-40
4. Nagaland, Manipur, Mizoram & Tripura	73	243	-70	28	47	-37
5. Sub-Himalayan West Bengal & Sikkim	39	185	-79	29	60	-51
6. Gangetic West Bengal	57	160	-65	18	34	-49
7. Odisha	115	144	-20	18	32	-42
8. Jharkhand	46	92	-50	14	33	-58
9. Bihar	49	77	-37	15	23	-35
10. East Uttar Pradesh	83	60	38	34	29	18
11. West Uttar Pradesh	29	54	-46	39	33	16
12. Uttarakhand	85	90	-5	117	106	10
13. Haryana, Chandigarh & Delhi	20	29	-31	19	33	-42
14. Punjab	21	41	-49	49	49	-1
15. Himachal Pradesh	73	108	-33	213	195	9
16. Jammu & Kashmir	55	132	-58	215	213	1
17. West Rajasthan	1	9	-89	2	7	-70
18. East Rajasthan	5	28	-83	12	11	14
19. West Madhya Pradesh	26	53	-51	46	14	238
20. East Madhya Pradesh	71	58	22	48	35	37
21. Gujarat region	5	35	-86	2	1	77
22. Saurashtra & Kutch and Diu	10	29	-66	1	1	94
23. Konkan & Goa	131	149	-11	2	*	517
24. Madhya Maharashtra	85	108	-22	2	2	14
25. Marathwada	37	102	-63	12	7	72
26. Vidarbha	26	82	-68	31	17	80
27. Chhattisgarh	78	77	1	11	21	-48
28. Coastal Andhra Pradesh	227	327	-31	2	19	-88
29. Telangana	57	119	-52	12	11	8
30. Rayalaseema	139	219	-37	1	7	-79
31. Tamil Nadu & Puducherry	429	438	-2	11	31	-66
32. Coastal Karnataka	256	263	-3	2	1	120
33. North Interior Karnataka	119	145	-18	2	4	-39
34. South Interior Karnataka	193	210	-8	2	4	-56
35. Kerala	502	481	5	8	24	-67
36. Lakshadweep	290	334	-13	3	35	-93
Country as a whole	85.2	127.2	-33	37.6	41.4	-9

* = 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 2013-14)								
Year	Rice	Wheat	Jowar	Bajra	Maize	Total cereals	Gram	(000 hectares)
								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	101,547	7,751	22,023
1970-71	37,592	18,241	17,374	12,913	5,852	101,782	7,839	22,534
1971-72	37,758	19,139	16,777	11,773	5,668	100,472	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	103,111	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	103,727	8,320	24,454
1976-77	38,511	20,922	15,772	10,751	6,000	101,373	7,974	22,983
1977-78	40,283	21,456	15,318	11,104	5,688	104,018	7,974	23,947
1978-79	40,482	22,641	16,146	11,393	5,760	105,352	7,708	23,657
1979-80	39,414	22,172	16,674	10,579	5,720	102,947	6,985	22,259
1980-81	40,152	22,279	15,809	11,657	6,005	104,210	6,584	22,457
1981-82	40,708	22,144	16,599	11,784	5,935	105,295	7,868	23,843
1982-83	38,262	23,567	16,376	10,942	5,720	102,262	7,399	22,833
1983-84	41,244	24,672	16,432	11,832	5,859	107,621	7,161	23,542
1984-85	41,159	23,565	15,939	10,619	5,800	103,936	6,904	22,737
1985-86	41,137	22,997	16,097	10,652	5,797	103,605	7,805	24,418
1986-87	41,167	23,131	15,948	11,266	5,923	104,039	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	104,528	6,810	23,146
1989-90	42,167	23,502	14,838	10,900	5,915	103,358	6,471	23,415
1990-91	42,687	24,167	14,357	10,476	5,904	103,173	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	100,788	6,454	22,360
1993-94	42,539	25,147	12,710	9,546	5,995	100,504	6,359	22,250
1994-95	42,814	25,700	11,514	10,223	6,136	100,832	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	101,852	7,095	23,267
1997-98	43,476	26,696	10,801	9,668	6,321	100,976	7,563	22,871
1998-99	44,802	27,523	9,794	9,297	6,204	101,666	8,469	23,501
1999-2000	45,162	27,486	10,251	8,897	6,422	101,988	6,146	21,116
2000-01	44,712	25,731	9,856	9,829	6,611	100,700	5,185	20,348
2001-02	44,904	26,345	9,795	9,529	6,582	100,771	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	100,516	7,494	23,192
2007-08	43,914	28,039	7,764	9,571	8,117	100,435	7,544	23,633
2008-09	45,537	27,752	7,531	8,753	8,174	100,739	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	100,270	9,186	26,402
2011-12	44,006	29,865	6,245	8,777	8,782	100,293	8,299	24,462
2012-13	42,754	30,003	6,214	7,297	8,673	97,522	8,522	23,257
2013-14 (P)	44,136	30,473	5,793	7,811	9,066	99,829	9,927	25,213

(P) = Provisional

(Continued)

4.01 GROSS AREA UNDER SELECTED CROPS - ALL INDIA (Concluded)						
(1950-51 to 2013-14)						
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	102,088	4,796	11,175	6,359	733	1,729
1953-54	109,065	4,247	10,993	6,987	494	1,410
1954-55	107,856	5,541	12,522	7,546	503	1,618
1955-56	110,560	5,133	12,085	8,086	704	1,847
1956-57	109,480	5,532	12,494	8,019	772	2,050
1957-58	114,764	6,420	12,656	8,014	705	2,073
1958-59	115,823	6,251	13,001	7,964	733	1,948
1959-60	115,818	6,442	13,954	7,295	682	2,137
1960-61	115,581	6,463	13,770	7,610	629	2,415
1961-62	117,242	6,896	14,772	7,978	917	2,455
1962-63	117,844	7,283	15,335	7,730	847	2,242
1963-64	117,421	6,886	14,823	8,221	869	2,249
1964-65	118,112	7,376	15,255	8,365	845	2,603
1965-66	114,103	7,698	15,248	7,962	758	2,836
1966-67	115,302	7,299	14,995	7,836	727	2,301
1967-68	121,421	7,553	15,667	7,995	880	2,047
1968-69	120,430	7,088	14,472	7,596	527	2,532
1969-70	123,570	7,125	14,811	7,731	768	2,749
1970-71	124,316	7,326	16,644	7,605	749	2,615
1971-72	122,623	7,510	17,274	7,800	815	2,390
1972-73	119,277	6,990	15,790	7,679	700	2,452
1973-74	126,538	7,024	16,901	7,574	793	2,752
1974-75	121,075	7,063	17,313	7,562	694	2,894
1975-76	128,181	7,222	16,922	7,350	585	2,762
1976-77	124,356	7,043	16,465	6,885	737	2,866
1977-78	127,515	7,028	17,167	7,866	797	3,151
1978-79	129,009	7,433	17,708	8,119	884	3,088
1979-80	125,206	7,165	16,941	8,078	834	2,610
1980-81	126,667	6,801	17,603	7,823	941	2,667
1981-82	129,138	7,429	17,755	8,057	826	3,358
1982-83	125,095	7,215	18,907	7,871	734	3,193
1983-84	131,163	7,539	18,689	7,721	760	3,110
1984-85	126,673	7,165	18,924	7,382	833	2,953
1985-86	128,023	7,125	19,020	7,533	1,146	2,849
1986-87	127,195	6,982	18,626	6,950	803	3,080
1987-88	119,696	6,844	20,132	6,459	697	3,279
1988-89	127,674	8,529	21,897	7,342	691	3,329
1989-90	126,773	8,710	22,800	7,695	677	3,438
1990-91	127,835	8,309	24,148	7,440	778	3,686
1991-92	121,871	8,668	25,886	7,661	875	3,844
1992-93	123,148	8,166	25,236	7,542	727	3,572
1993-94	122,754	8,322	26,897	7,321	695	3,422
1994-95	123,860	7,849	25,304	7,871	739	3,867
1995-96	121,015	7,524	25,964	9,035	737	4,147
1996-97	125,119	7,713	26,338	9,121	897	4,174
1997-98	123,847	7,088	26,124	8,868	906	3,930
1998-99	125,167	7,396	26,229	9,342	848	4,055
1999-2000	123,104	6,867	24,282	8,710	847	4,220
2000-01	121,048	6,559	22,770	8,535	828	4,316
2001-02	122,780	6,238	22,636	9,132	873	4,412
2002-03	113,860	5,936	21,489	7,670	865	4,520
2003-04	123,447	5,987	23,663	7,598	849	3,938
2004-05	120,078	6,640	27,523	8,787	774	3,662
2005-06	121,600	6,736	27,863	8,677	760	4,202
2006-07	123,708	5,615	26,513	9,145	793	5,151
2007-08	124,068	6,292	26,693	9,414	814	5,055
2008-09	122,834	6,165	27,558	9,407	786	4,415
2009-10	121,334	5,478	25,959	10,132	811	4,175
2010-11	126,671	5,856	27,224	11,235	774	4,885
2011-12	124,755	5,264	26,308	12,178	809	5,038
2012-13	120,779	4,721	26,484	11,977	777	4,999
2013-14 (P)	125,042	5,505	28,051	11,960	756	4,993

* = years prior to 1961-62 cover 5 oilseeds.

(P) = Provisional.

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

4.02 PRODUCTION OF SELECTED CROPS - ALL INDIA (1950-51 to 2014-15)								(*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	107,995	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	114,434	5,410	11,973
1978-79	53,773	35,508	11,436	5,567	6,199	119,719	5,739	12,183
1979-80	42,330	31,830	11,648	3,948	5,603	101,129	3,356	8,572
1980-81	53,631	36,313	10,431	5,343	6,957	118,962	4,328	10,627
1981-82	53,248	37,452	12,062	5,537	6,897	121,788	4,642	11,507
1982-83	47,116	42,794	10,753	5,131	6,549	117,662	5,290	11,857
1983-84	60,097	45,476	11,919	7,726	7,922	139,480	4,751	12,894
1984-85	58,336	44,069	11,402	6,047	8,442	133,576	4,562	11,963
1985-86	63,825	47,052	10,197	3,664	6,644	137,079	5,788	13,361
1986-87	60,557	44,323	9,185	4,514	7,593	131,711	4,532	11,707
1987-88	56,862	46,169	12,196	3,298	5,271	129,392	3,626	10,962
1988-89	70,489	54,110	10,170	7,780	8,229	156,073	5,129	13,849
1989-90	73,573	49,850	12,898	6,649	9,651	158,179	4,217	12,858
1990-91	74,291	55,135	11,681	6,894	8,962	162,125	5,356	14,265
1991-92	74,678	55,690	8,099	4,665	8,064	156,359	4,121	12,015
1992-93	72,868	57,210	12,806	8,881	9,992	166,669	4,417	12,815
1993-94	80,298	59,840	11,415	4,974	9,601	170,956	4,981	13,305
1994-95	81,814	65,767	8,965	7,159	8,884	177,458	6,436	14,038
1995-96	76,975	62,097	9,327	5,381	9,534	168,105	4,979	12,310
1996-97	81,737	69,350	10,934	7,865	10,769	185,192	5,566	14,244
1997-98	82,535	66,345	7,528	7,644	10,816	179,279	6,132	13,830
1998-99	86,077	71,288	8,415	6,956	11,148	188,700	6,801	14,907
1999-00	89,683	76,369	8,685	5,782	11,510	196,383	5,118	13,418
2000-01	84,977	69,681	7,529	6,759	12,043	185,739	3,855	11,076
2001-02	93,340	72,766	7,557	8,284	13,160	199,483	5,473	13,368
2002-03	71,820	65,761	7,012	4,776	11,152	163,646	4,237	11,125
2003-04	88,526	72,156	6,681	12,109	14,984	198,284	5,718	14,905
2004-05	83,132	68,637	7,244	7,931	14,172	185,233	5,469	13,130
2005-06	91,793	69,355	7,630	7,684	14,710	195,217	5,600	13,384
2006-07	93,355	75,807	7,151	8,424	15,097	203,085	6,334	14,198
2007-08	96,682	78,570	7,926	9,970	18,955	216,003	5,749	14,762
2008-09	99,172	80,679	7,246	8,887	19,731	219,889	7,060	14,566
2009-10	89,083	80,804	6,698	6,506	16,720	203,436	7,476	14,662
2010-11	95,970	86,874	7,003	10,370	21,726	226,241	8,221	18,241
2011-12	105,301	94,882	5,979	10,276	21,759	242,197	7,702	17,089
2012-13	105,232	93,507	5,282	8,742	22,258	238,782	8,833	18,343
2013-14	106,646	95,850	5,542	9,250	24,260	245,790	9,526	19,253
2014-15 (P)	104,800	88,940	5,050	9,050	23,670	235,490	7,170	17,200

P = Provisional

T = Target

* = Cleaned rice.

(Continued)

4.02 PRODUCTION OF SELECTED CROPS - ALL INDIA (1950-51 to 2014-15) (Concluded)						
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	110,001
1961-62	82,706	4,994	7,284	4,850	6,358	103,967
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	104,225
1964-65	89,356	6,004	8,563	6,011	6,064	121,909
1965-66	72,347	4,263	6,396	4,852	4,476	123,990
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	124,676
1969-70	99,501	5,130	7,734	5,564	5,618	135,024
1970-71	108,422	6,111	9,630	4,763	4,938	126,368
1971-72	105,168	6,181	9,083	6,950	5,684	113,570
1972-73	97,029	4,092	7,137	5,735	4,978	124,867
1973-74	104,665	5,932	9,389	6,309	6,220	140,289
1974-75	99,826	5,111	9,152	7,156	4,471	144,289
1975-76	121,034	6,754	10,607	5,950	4,440	140,604
1976-77	111,167	5,264	8,428	5,839	5,353	153,007
1977-78	126,407	6,087	9,662	7,242	5,261	176,966
1978-79	131,902	6,208	10,100	7,958	6,470	151,655
1979-80	109,701	5,768	8,739	7,698	6,072	128,833
1980-81	129,589	5,005	9,372	7,010	6,508	154,248
1981-82	133,295	7,223	12,080	7,884	6,788	186,358
1982-83	129,519	5,282	9,995	7,534	5,946	189,506
1983-84	152,374	7,085	12,692	6,387	6,325	174,076
1984-85	145,539	6,438	12,946	8,507	6,531	170,319
1985-86	150,440	5,121	10,833	8,728	10,886	170,648
1986-87	143,418	5,875	11,270	6,905	7,353	186,089
1987-88	140,353	5,854	12,655	6,382	5,793	196,737
1988-89	169,922	9,659	18,033	8,744	6,710	203,037
1989-90	171,036	8,101	16,924	11,422	7,072	225,569
1990-91	176,390	7,515	18,609	9,842	7,917	241,046
1991-92	168,373	7,095	18,600	9,714	8,936	253,995
1992-93	179,483	8,565	20,107	11,403	7,495	228,033
1993-94	184,260	7,829	21,496	10,741	7,360	229,659
1994-95	191,495	8,062	21,337	11,888	7,997	275,540
1995-96	180,415	7,579	22,106	12,861	7,675	281,100
1996-97	199,436	8,643	24,385	14,231	9,961	277,560
1997-98	193,120	7,372	21,325	10,851	9,960	279,541
1998-99	203,607	8,982	24,748	12,287	8,837	288,722
1999-00	209,802	5,258	20,716	11,530	9,428	299,324
2000-01	196,814	6,408	18,437	9,524	9,317	295,956
2001-02	212,851	7,028	20,662	9,997	10,584	297,208
2002-03	174,771	4,121	14,838	8,624	10,274	287,383
2003-04	213,189	8,127	25,186	13,729	10,252	233,862
2004-05	198,363	6,774	24,354	16,429	9,399	237,088
2005-06	208,602	7,993	27,978	18,499	9,970	281,172
2006-07	217,282	4,864	24,289	22,632	10,317	355,520
2007-08	230,765	9,183	29,755	25,884	10,220	348,188
2008-09	234,456	7,168	27,719	22,276	9,634	285,029
2009-10	218,098	5,429	24,882	24,022	11,230	292,302
2010-11	244,482	8,265	32,479	33,000	10,009	342,382
2011-12	259,286	6,964	29,799	35,200	10,736	361,037
2012-13	257,125	4,694	30,940	34,220	10,340	341,200
2013-14	265,043	9,714	32,749	35,902	11,083	352,142
2014-15 (P)	252,680	6,557	26,675	35,475	10,934	359,330

@ = '000 bales of 170 kg. each. # = '000 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 2013-14)

Year								(Kg.)
	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	2,461	3,117	850	1,198	2,566	2,448	1,036	789
2013-14	2,416	3,145	957	1,184	2,676	2,462	960	764

(Continued)

4.03 AVERAGE YIELD PER HECTARE OF SELECTED CROPS - ALL INDIA (Concluded)
(1950-51 to 2013-14)

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	1,764	1,168	510	2,639	70,522

Source : Directorate of Economics and Statistics, Ministry of Agriculture & Farmers Welfare, Gov. N.Delhi.

4.04 SEASONWISE AREA, PRODUCTION AND AVERAGE YIELD OF FOODGRAINS — ALL INDIA									
1967-68 to 2014-15									
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	72.42	120.85	1,669	54.26	123.63	2,278	126.67	244.48	1,930
2011-12	72.08	131.27	1,821	52.67	128.01	2,430	124.75	259.29	2,078
2012-13	67.69	128.07	1,892	53.09	129.05	2,431	120.78	257.12	2,129
2013-14	69.05	128.69	1,864	55.99	136.35	2,435	125.04	265.04	2,120
2014-15 (P)		126.31			126.38			252.68	

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 - 2013-14 (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
East										
Arunachal Pradesh	A	132.0	3.0	-	-	47.0	-	22.7	-	204.2
	P	276.2	4.5	-	-	69.0	-	23.8	-	373.5
	Y	2,092	1,510	-	-	1,437	-	1,050	-	1,825
Assam	A	2,449.1	31.3	-	-	24.1	-	5.4	-	2,509.9
	P	4,927.1	40.4	-	-	21.6	-	3.3	-	4,992.5
	Y	2,012	1,292	-	-	898	-	614	-	1,989
Bihar	A	3,130.8	2,009.0	1.2	2.6	732.3	7.0	2.8	10.2	5,896.0
	P	5,505.8	4,738.0	1.3	3.0	2,112.1	7.1	2.1	14.3	12,383.8
	Y	1,759	2,358	1,065	1,136	2,884	1,016	755	1,398	2,100
Jharkhand	A	1,255.9	174.5	0.5	0.2	256.9	11.9	-	-	1,699.8
	P	2,810.6	370.4	0.3	0.1	517.0	8.7	-	-	3,707.1
	Y	2,238	2,123	552	515	2,012	734	-	-	2,181
Manipur	A	222.8	2.3	-	-	26.1	-	-	-	251.1
	P	398.5	5.6	-	-	58.6	-	-	-	462.7
	Y	1,788	2,498	-	-	2,246	-	-	-	1,842
Meghalaya	A	109.9	0.4	-	-	18.0	-	2.8	-	131.1
	P	273.9	0.8	-	-	39.7	-	2.5	-	316.8
	Y	2,493	1,881	-	-	2,200	-	872	-	2,416
Mizoram	A	38.8	-	-	-	5.8	-	-	-	44.5
	P	59.0	-	-	-	8.2	-	-	-	67.2
	Y	1,522	-	-	-	1,420	-	-	-	1,509
Nagaland	A	189.5	3.0	0.2	0.7	68.8	0.3	8.7	0.5	271.7
	P	429.6	5.5	0.2	0.7	135.4	0.3	9.8	0.5	582.1
	Y	2,267	1,823	1,000	1,014	1,969	938	1,125	1,019	2,142
Odisha \$	A	4,180.2	0.7	7.5	3.0	95.1	56.6	19.3	-	4,362.5
	P	7,613.4	1.1	4.7	1.9	263.6	45.8	9.7	-	7,940.2
	Y	1,821	1,574	625	611	2,771	809	502	-	1,820
Sikkim	A	11.2	0.4	-	-	39.9	3.6	3.0	0.6	58.6
	P	20.3	0.4	-	-	68.8	3.5	3.0	0.6	96.5
	Y	1,815	1,083	-	-	1,724	961	1,003	1,017	1,647
Tripura	A	254.3	0.2	-	-	4.6	-	-	-	259.0
	P	711.8	0.3	-	-	5.9	-	-	-	718.0
	Y	2,800	2,000	-	-	1,279	-	-	-	2,772
West Bengal	A	5,513.7	332.5	0.03	0.1	128.7	10.1	1.5	2.4	5,989.1
	P	15,370.7	927.8	0.01	0.04	522.4	11.1	1.5	3.6	16,837.2
	Y	2,788	2,791	333	286	4,059	1,095	975	1,500	2,811
North										
Haryana	A	1,228.0	2,499.0	72.0	404.0	9.0	-	-	39.0	4,251.0
	P	3,998.0	11,800.0	40.0	831.0	27.0	-	-	153.0	16,849.0
	Y	3,256	4,722	556	2,057	3,000	-	-	3,923	3,964
Himachal Pradesh	A	74.4	358.1	-	0.8	292.7	2.0	4.6	17.3	749.9
	P	120.8	670.7	-	0.4	652.1	2.0	3.2	28.2	1,477.4
	Y	1,625	1,873	-	545	2,228	985	685	1,626	1,970
Jammu & Kashmir	A	271.5	292.1	-	14.1	298.7	8.7	5.1	12.5	902.7
	P	610.9	601.9	-	8.4	530.5	2.9	2.4	7.1	1,764.0
	Y	2,250	2,061	-	595	1,776	328	473	567	1,954
Punjab	A	2,851.0	3,512.0	-	0.8	130.0	-	-	12.0	6,505.8
	P	11,267.0	17,620.0	-	0.8	507.0	-	-	46.0	29,440.8
	Y	3,952	5,017	-	1,000	3,900	-	-	3,833	4,525
Uttar Pradesh	A	5,982.0	9,839.0	165.0	919.0	767.0	-	8.0	157.0	17,837.0
	P	14,636.0	29,890.9	173.0	1,868.0	1,306.2	-	6.0	450.0	48,330.1
	Y	2,447	3,038	1,048	2,033	1,703	-	750	2,866	2,710

* = Cleaned rice.

(Continued)

4.05 STATE-WISE AREA, PRODUCTION AND AVERAGE YIELD PER HECTARE OF PRINCIPAL CROPS - 2013-14 (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*
East											
Arunachal Pradesh	A	-	0.5	9.7	214.4	0.6	2.8	32.8	1.6	-	-
	P	-	0.5	11.2	384.6	0.6	3.5	31.4	30.4	-	-
	Y	-	1,000	1,149	1,794	949	1,273	958	19,455	-	-
Assam	A	2.1	6.1	150.1	2,660.0	-	-	305.0	29.1	@	69.8
	P	1.4	5.6	104.3	5,096.8	-	-	186.3	1,075.2	@	717.3
	Y	698	920	695	1,916	-	-	611	36,973	@	1,849
Bihar	A	61.3	21.9	500.0	6,396.0	0.9	-	122.9	258.1	-	104.9
	P	70.3	36.5	522.0	12,905.8	0.9	-	146.2	12,881.8	-	1,498.1
	Y	1,147	1,667	1,044	2,018	1,022	-	1,189	49,916	-	2,571
Jharkhand	A	155.8	196.8	566.8	2,266.7	22.5	0.5	275.8	6.7	-	-
	P	181.7	205.2	578.6	4,285.7	26.9	0.6	182.9	462.8	-	-
	Y	1,166	1,042	1,021	1,891	1,194	1,099	663	69,215	-	-
Manipur	A	2.0	-	29.9	281.1	3.2	5.2	36.9	5.9	-	-
	P	1.8	-	27.9	490.6	2.6	4.6	31.0	339.3	-	-
	Y	875	-	933	1,745	805	878	840	58,002	-	-
Meghalaya	A	1.8	1.1	2.9	134.1	-	1.6	13.7	0.1	@	6.4
	P	1.8	1.4	3.2	320.0	-	2.9	14.1	0.3	@	63.9
	Y	989	1,254	1,092	2,387	-	1,820	1,030	2,900	@	1,801
Mizoram	A	-	-	3.9	48.4	-	1.0	2.1	1.4	@	-
	P	-	-	5.7	72.8	-	1.5	2.4	7.0	@	-
	Y	-	-	1,468	1,506	-	1,480	1,146	4,908	@	-
Nagaland	A	0.7	3.0	37.8	309.5	0.9	24.8	64.8	4.3	@	3.0
	P	0.6	2.7	42.5	624.6	0.9	31.1	67.9	188.5	@	5.8
	Y	838	896	1,124	2,018	1,023	1,255	1,048	43,524	@	343
Odisha \$	A	47.2	138.9	780.8	5,143.3	59.9	0.3	223.4	14.2	124.0	2.0
	P	36.2	124.4	419.3	8,359.4	86.8	0.2	168.8	936.5	299.0	19.8
	Y	768	896	537	1,625	1,449	615	755	65,905	410	1,810
Sikkim	A	-	-	6.3	64.9	-	3.9	8.0	-	-	-
	P	-	-	5.8	102.4	-	3.7	7.1	-	-	-
	Y	-	-	925	1,577	-	946	887	-	-	-
Tripura	A	0.1	3.9	12.2	271.1	0.6	-	6.1	1.0	@	0.6
	P	0.1	2.8	8.7	726.7	0.7	-	4.6	49.6	@	5.4
	Y	769	717	719	2,680	1,180	-	759	51,667	@	1,510
West Bengal	A	24.9	1.5	286.7	6,275.8	78.8	0.6	770.3	17.0	@	566.4
	P	29.3	2.1	241.7	17,078.9	200.5	0.4	909.9	1,945.0	@	8,771.8
	Y	1,175	1,429	843	2,721	2,544	699	1,181	114,273	@	2,788
North											
Haryana	A	83.0	9.4	152.6	4,403.6	5.6	-	549.1	102.0	536.0	-
	P	75.0	11.0	125.1	16,974.1	6.2	-	899.0	7,499.0	2,302.0	-
	Y	904	1,170	819	3,855	1,107	-	1,637	73,520	730	-
Himachal Pradesh	A	0.5	-	28.9	778.9	0.1	0.6	12.5	1.5	@	-
	P	0.5	-	51.0	1,528.4	0.03	0.9	6.1	35.7	@	-
	Y	1,000	-	1,763	1,962	600	1,450	490	23,175	@	-
Jammu & Kashmir	A	-	-	25.9	928.6	0.10	-	65.7	0.02	-	-
	P	-	-	13.8	1,777.9	0.1	-	58.8	0.03	-	-
	Y	-	-	535	1,915	643	-	895	1,000	-	-
Punjab	A	1.9	2.9	45.4	6,551.0	1.3	-	48.1	89.0	446.0	-
	P	2.3	2.6	39.6	29,480.4	2.4	-	64.2	6,675.0	1,968.0	-
	Y	1,211	897	872	4,500	1,846	-	1,335	75,000	750	-
Uttar Pradesh	A	577.0	301.0	2,305.0	20,142.0	96.0	26.0	1,106.0	2,228.0	@	-
	P	475.4	271.0	1,697.4	50,027.5	86.0	15.0	895.8	134,688.6	@	-
	Y	824	900	736	2,484	896	577	810	60,453	@	-
# = '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 - 2013-14(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
North (Concluded)										
Uttarakhand	A	252.8	347.8	-	-	25.0	112.2	64.5	23.3	825.6
	P	578.6	842.4	-	-	35.5	153.9	78.1	31.5	1,719.9
	Y	2,289	2,422	-	-	1,419	1,372	1,211	1,351	2,083
Delhi	A	6.0	19.2	3.2	1.5	0.04	-	-	0.1	30.1
	P	29.6	84.7	3.0	3.8	0.8	-	-	0.2	122.1
	Y	4,906	4,418	910	2,513	20,750	-	-	3,000	4,061
South										
Andhra Pradesh\$	A	4,356.0	8.0	227.0	49.0	1,006.0	44.0	28.0	-	5,718.0
	P	12,724.7	4.0	377.0	78.3	4,862.2	46.0	22.0	-	18,114.1
	Y	2,921	500	1,661	1,597	4,833	1,045	786	-	3,168
Karnataka	A	1,340.0	209.0	1,139.0	280.0	1,377.0	671.0	24.0	-	5,040.0
	P	3,572.6	210.0	1,317.0	331.0	3,984.5	1,180.3	13.0	-	10,608.4
	Y	2,666	1,005	1,156	1,182	2,894	1,759	542	-	2,105
Kerala	A	199.6	-	0.2	-	0.1	0.1	0.04	-	199.9
	P	509.2	-	0.1	-	0.1	0.1	0.04	-	509.5
	Y	2,551	-	667	-	2,000	1,220	875	-	2,549
Tamil Nadu	A	1,725.7	-	347.1	54.4	345.3	118.7	32.4	-	2,623.7
	P	5,349.8	-	449.6	117.4	1,855.1	362.3	35.2	-	8,169.4
	Y	3,100	-	1,295	2,158	5,372	3,053	1,085	-	3,114
Puducherry	A	15.8	-	-	-	-	0.04	-	-	7.1
	P	49.8	-	-	-	-	0.1	-	-	24.9
	Y	3,147	-	-	-	-	2	-	-	3,484
A & N Islands	A	8.0	-	-	-	0.1	-	-	-	8.1
	P	16.2	-	-	-	0.3	-	-	-	16.5
	Y	2,029	-	-	-	2,254	-	-	-	2,033
West										
Gujarat	A	788.0	1,442.0	128.0	694.0	461.0	14.0	38.0	-	3,565.0
	P	1,636.0	4,694.0	175.0	1,209.6	681.0	14.0	41.0	-	8,450.6
	Y	2,076	3,255	1,367	1,743	1,477	1,000	1,079	-	2,370
Madhya Pradesh	A	1,930.0	5,380.0	254.7	189.6	868.0	0.4	227.7	86.7	8,937.1
	P	2,844.8	12,937.0	373.3	379.8	1,534.0	0.2	114.5	150.0	18,333.7
	Y	1,474	2,405	1,466	2,003	1,767	500	503	1,730	2,051
Chhattisgarh	A	3,802.1	102.8	5.7	-	111.1	6.0	112.8	2.6	4,143.1
	P	6,716.4	134.0	3.6	-	229.1	1.6	25.1	3.7	7,113.5
	Y	1,766	1,304	632	-	2,062	267	223	1,423	1,717
Maharashtra	A	1,613.0	1,097.0	2,862.0	762.0	1,001.0	126.0	57.0	-	7,518.0
	P	3,120.0	1,602.0	2,266.8	788.0	2,729.4	142.0	29.0	-	10,677.2
	Y	1,934	1,460	792	1,034	2,727	1,127	509	-	1,420
Rajasthan	A	145.6	2,810.0	579.6	4,434.6	926.7	-	13.7	309.3	9,219.4
	P	312.6	8,663.2	356.7	3,627.5	1,502.2	-	4.5	942.0	15,408.7
	Y	2,147	3,083	615	818	1,621	-	330	3,046	1,671
Goa	A	42.8	-	-	-	-	0.02	-	-	42.8
	P	126.5	-	-	-	-	0.01	-	-	126.5
	Y	2,954	-	-	-	-	500	-	-	2,953
Daman & Diu	A	2.0	-	-	0.3	-	-	-	-	2.3
	P	3.6	-	-	0.4	-	-	-	-	4.0
	Y	1,805	-	-	1,393	-	-	-	-	1,754
Dadra & Nagar Haveli	A	13.6	0.1	0.5	-	0.1	1.0	0.2	-	15.5
	P	25.5	0.3	0.4	-	0.1	1.0	0.2	-	27.5
	Y	1,876	2,000	800	-	1,000	1,030	957	-	1,771
Others	A	-	-	-	-	-	-	-	-	-
	P	-	-	-	-	-	-	-	-	-
	Y	-	-	-	-	-	-	-	-	-
All-India	A	44,136.0	30,473.2	5,793.4	7,810.7	9,066.2	1,193.7	682.3	673.5	99,829.1
	P	106,645.5	95,849.8	5,541.8	9,250.1	24,259.5	1,982.9	429.9	1,830.7	245,790.3
	Y	2,416	3,145	957	1,184	2,676	1,661	630	2,718	2,462

* = Cleaned rice.

(Continued)

4.05 STATE-WISE AREA, PRODUCTION AND AVERAGE YIELD PER HECTARE OF PRINCIPAL CROPS - 2013-14 (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*
North (Concluded)											
Uttarakhand	A	0.8	3.4	65.0	890.6	1.0	14.9	31.8	104.3	-	-
	P	0.7	2.7	56.5	1,776.5	1.2	22.1	34.1	5,939.8	-	-
	Y	786	810	869	1,995	1,176	1,479	1,070	56,971	-	-
Delhi	A	0.04	-	0.04	30.1	-	-	-	-	-	-
	P	0.1	-	0.1	122.1	-	-	-	-	-	-
	Y	1,500	-	1,500	4,057	-	-	-	-	-	-
South											
Andhra Pradesh\$	A	586.0	448.0	1,672.0	7,390.0	1,386.0	245.0	2,030.6	192.0	2,389.0	-
	P	843.0	243.0	1,551.0	19,665.1	1,236.0	395.0	1,885.6	15,385.0	6,956.0	-
	Y	1,439	542	928	2,661	892	1,612	929	80,130	495	-
Karnataka	A	946.0	824.0	2,498.0	7,538.0	655.0	219.0	1,410.0	420.0	662.0	-
	P	716.0	587.5	1,600.5	12,208.9	565.0	270.0	1,162.0	37,905.0	1,875.0	-
	Y	757	713	641	1,620	863	1,233	824	90,250	481	-
Kerala	A	-	0.9	2.6	202.5	0.7	-	1.0	2.2	@	-
	P	-	0.8	2.8	512.4	0.9	-	1.0	221.5	@	-
	Y	-	899	1,091	2,530	1,225	-	980	100,235	@	-
Tamil Nadu	A	8.9	59.6	815.8	3,439.5	336.6	-	408.2	313.3	152.0	-
	P	5.8	57.7	613.8	8,783.2	915.9	-	964.2	32,454.1	408.0	-
	Y	653	967	752	2,554	2,721	-	2,362	103,575	456	-
Puducherry	A	-	-	1.2	8.3	0.4	-	0.5	2.0	@	-
	P	-	-	0.5	25.4	0.9	-	1.0	304.1	@	-
	Y	-	-	425	3,043	2,486	-	1,907	150,530	@	-
A & N Islands	A	-	0.002	0.6	8.7	-	-	0.04	0.3	-	-
	P	-	0.003	0.3	16.8	-	-	0.01	7.1	-	-
	Y	-	1,500	486	1,930	-	-	333	26,430.0	-	-
West											
Gujarat	A	247.0	210.0	813.0	4,378.0	1,843.0	60.0	3,079.0	174.0	2,519.0	-
	P	309.0	209.0	729.0	9,179.6	4,917.6	44.0	6,870.4	12,550.0	10,150.0	-
	Y	1,251	995	897	2,097	2,668	733	2,231	72,126	685	-
Madhya Pradesh	A	3,160.1	464.0	5,395.8	14,332.9	206.7	6,308.6	7,732.0	73.1	514.0	2.9
	P	3,299.1	332.0	4,644.3	22,978.0	324.2	5,242.4	6,634.9	3,173.7	1,730.0	1.3
	Y	1,044	716	861	1,603	1,567	831	858	43,415	572	81
Chhattisgarh	A	276.5	50.9	839.3	4,982.4	25.6	106.6	289.5	8.5	@	-
	P	213.2	31.2	482.1	7,595.6	37.3	93.5	185.4	22.1	@	-
	Y	771	613	574	1,524	1,457	877	640	2,600	@	-
Maharashtra	A	1,820.0	1,141.0	3,953.0	11,471.0	315.0	3,520.0	4,148.0	937.0	4,192.0	-
	P	1,622.0	1,034.0	3,169.0	13,846.2	393.0	4,754.9	5,293.9	76,901.0	8,834.0	-
	Y	891	906	802	1,207	1,248	1,351	1,276	82,072	358	-
Rajasthan	A	1,923.5	14.5	4,197.7	13,417.1	462.0	1,175.1	5,274.0	5.3	393.0	-
	P	1,640.4	9.4	2,490.9	17,899.6	900.9	974.7	6,033.8	362.9	1,287.0	-
	Y	853	649	593	1,334	1,950	829	1,144	68,989	557	-
Goa	A	-	-	8.1	50.9	2.6	-	2.6	0.9	-	-
	P	-	-	8.9	135.5	6.6	-	6.6	47.7	-	-
	Y	-	-	1,102	2,659	2,544	-	2,544	54,793	-	-
Daman & Diu	A	-	-	-	2.3	-	-	-	-	-	-
	P	-	-	-	4.0	-	-	-	-	-	-
	Y	-	-	-	1,754	-	-	-	-	-	-
Dadra & Nagar Haveli	A	0.2	1.6	5.8	21.3	-	-	0.2	0.7	-	-
	P	0.2	1.3	5.2	32.7	-	-	0.1	53.2	-	-
	Y	1,000	804	898	1,534	-	-	667	79,403	-	-
Others	A	-	-	-	-	-	-	-	-	33.0	-
	P	-	-	-	-	-	-	-	-	93.0	-
	Y	-	-	-	-	-	-	-	-	479	-
All-India	A	9,927.4	3,904.9	25,212.9	125,042.0	55,505.2	11,716.4	28,050.5	4,993.3	11,960.0	756.0
	P	9,526.3	3,174.4	19,252.9	265,043.2	9,713.9	11,860.8	32,749.4	352,141.8	35,902.0	11,083.3
	Y	930	813	764	2,120	1,764	1,012	1,168	70,522	510	2,639

= '000 bales of 170 kg. each. * = '000 bales of 180 kg. each. @ = Included in others.

\$ = Includes Telangana.

Source: DE&S, Ministry of Agriculture & Farmers Welfare, Govt. of India, New Delhi.

Fig. 1: AVERAGE YIELD PER HECTARE OF SELECTED CROPS

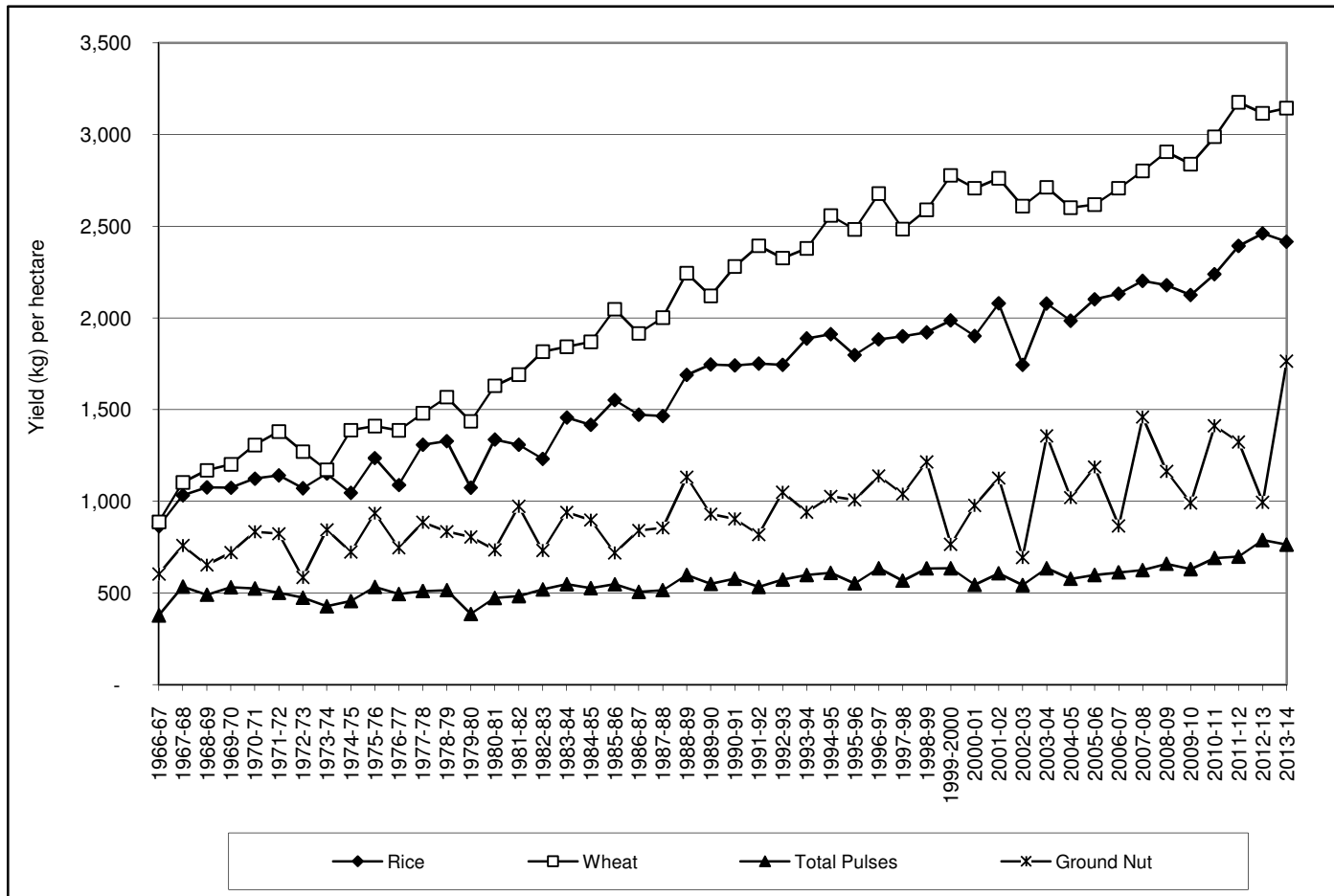
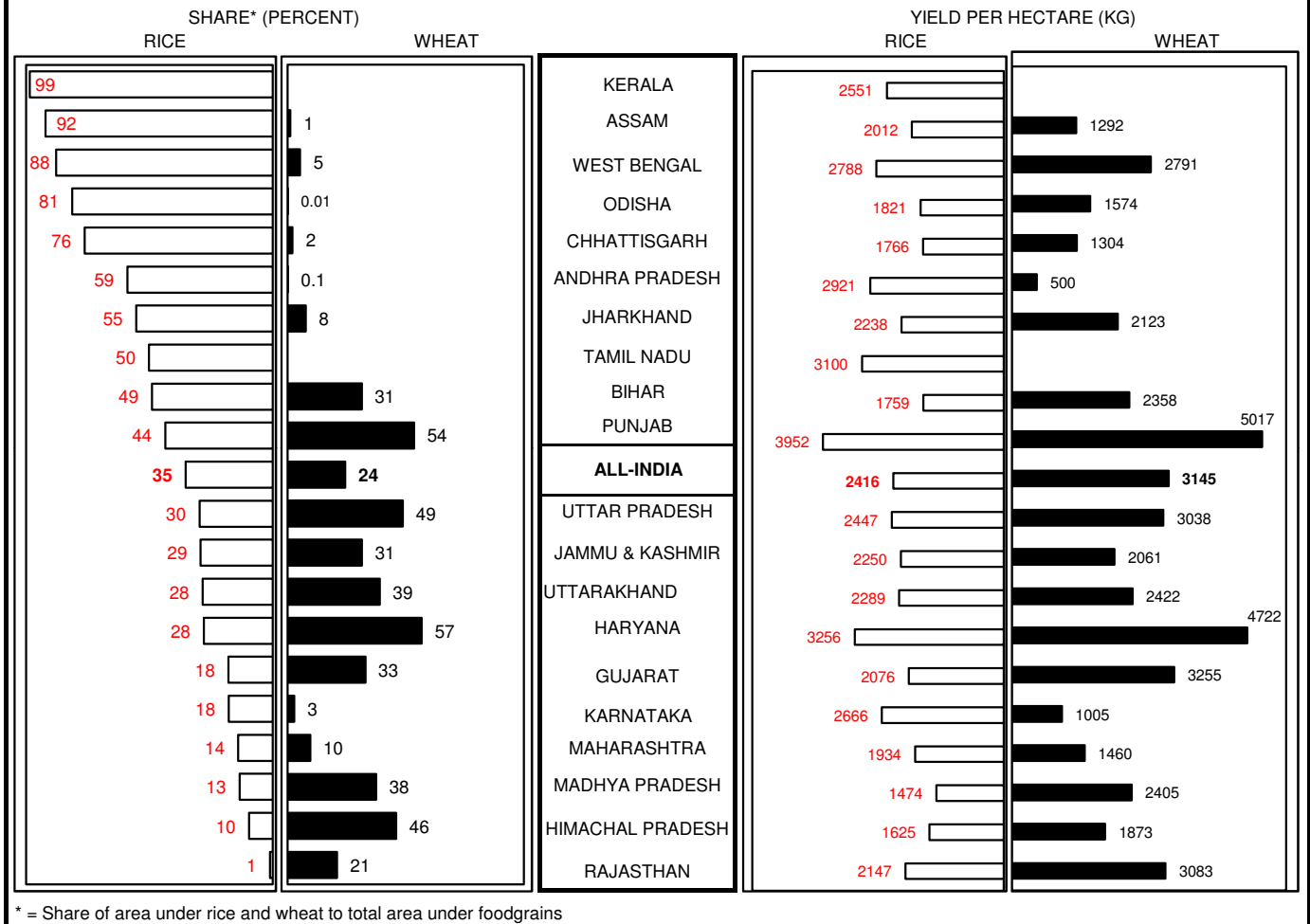


Fig. 2: SHARE OF RICE & WHEAT AREA TO TOTAL AREA UNDER FOODGRAINS AND YIELD/HECTARE - 2013-14



* = Share of area under rice and wheat to total area under foodgrains

4.06 (a) ESTIMATED AREA, PRODUCTION AND AVERAGE YIELD PER HECTARE OF TEA - 2011 to 2013									
State	Area (hectares)			Production ('000 kg.)			Average Yield (Kg. / hectare)		
	2011	2012	2013	2011	2012	2013	2011	2012	2013
Assam	322,214	304,400	304,400	589,110	590,120	629,050	1,828	1,939	2,067
West Bengal	115,095	140,440	140,440	271,600	279,300	312,100	2,360	1,989	2,222
Tripura	22,304	12,290	12,290	14,860	17,530	23,920	666	1,426	1,946
Bihar									
Uttarakhand									
Himachal Pradesh									
Manipur									
Sikkim									
Arunachal Pradesh									
Nagaland									
Meghalaya									
Mizoram									
Odisha \$									
North India-Total	459,613	457,130	457,130	875,570	886,950	965,070	1,905	1,940	2,111
Tamil Nadu	80,462	69,620	69,620	165,890	170,560	174,710	2,062	2,450	2,509
Kerala	37,137	35,010	35,010	68,830	63,100	63,480	1,853	1,802	1,813
Karnataka	2,141	2,220	2,220	5,430	5,720	5,520	2,536	2,577	2,486
South India-Total	119,740	106,850	106,850	240,150	239,380	243,710	2,006	2,240	2,281
All India-Total	579,353	563,980	563,980	1,115,720	1,126,330	1,208,780	1,926	1,997	2,143

Note : Break-up for small states / UT's not available.
\$ = from November 2011 (Formerly Orissa).

4.06 (b) PRODUCTION OF TEA - 2014	
State	Production ('000 kg.)
North India	965200
South India	242110
All India	1207310

Source : Tea Board, Kolkata.

4.07(a) STATEWISE AREA, PRODUCTION AND AVERAGE YIELD PER HECTARE OF COFFEE								
1985-86 to 1991-92								
State	T.A. = Total area in '000 ha. PA.=Plucked area in '000ha. P = Production in '000 MT Y = Yield in Kg/ha.	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92
Andhra Pradesh	TA	7.6	7.8	7.3	7.3	9.1	9.3	9.8
	PA	-	-	-	-	-	-	-
	P	-	-	-	0.6	0.5	0.7	0.4
	Y	@	@	@	@	@	@	@
Karnataka	TA	127.9	128.2	126.4	120.3	118.2	132.5	144.6
	PA	117.5	116.7	115.8	113.9	108.8	123.7	134.1
	P	84.8	144.7	90.1	161.9	86.7	136.4	139.6
	Y	722	1240	778	1421	797	1104	1044
Kerala	TA	65.6	65.6	68.3	76.4	74.8	84.0	82.3
	PA	61.7	62.8	65.4	68.1	63.5	70.4	79.2
	P	19.7	32.9	15.4	38.4	14.9	21.9	20.1
	Y	319	524	235	564	238	311	274
Tamil Nadu	TA	32.9	33.4	32.8	31.8	32.0	32.2	30.2
	PA	30.4	29.5	28.9	29.1	28.8	29.4	27.8
	P	17.1	13.7	15.1	12.8	15.6	10.3	17.8
	Y	563	464	522	440	542	351	641
Other States	TA	6.6	7.5	7.4	8.7	12.7	12.8	11.7
	PA	5.0	5.9	7.0	6.4	7.6	8.6	10.5
	P	0.9	0.8	2.1	1.0	0.4	0.1	2.1
	Y	@	@	@	@	@	@	@
All India	TA	240.6	242.5	242.2	244.5	246.8	270.8	278.6
	PA	214.6	214.9	217.1	217.5	208.7	232.1	251.6
	P	122.5	192.1	122.7	214.7	118.1	169.7	180.0
	Y	571	894	565	987	566	732	761

Note: Yield has been worked out on plucked area. @ = Average yield has not been calculated.

Source : Various issues of *Area and Production of Principal Crops in India*,

Directorate of Economics and Statistics, Ministry of Agriculture & Farmers Welfare, New Delhi.

4.07(b) PRODUCTION OF COFFEE IN INDIA - 1995-96 to 2014-15

Year	Production ('000 tonnes)
1995-96	223.0
1996-97	205.0
1997-98	228.3
1998-99	265.0
1999-2000	292.0
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 (P)	304.5
2014-15(Est)	327.0

(P) = Provisional.

Source : Coffee Board of India.

(Est)=Estimated

4.08 STATE-WISE AREA, PRODUCTION AND AVERAGE YIELD PER HECTARE OF RUBBER												
2012-13 to 2014-15												
State	Area			Tappable area			Production			Yield		
	(in '000 hectares)			(in '000 hectares)			(in '000 tonnes)			(kg/ha)		
	2012-13	2013-14 (P)	2014-15 (P)	2012-13	2013-14 (P)	2014-15 (P)	2012-13	2013-14 (P)	2014-15 (P)	2012-13	2013-14 (P)	2014-15 (P)
Kerala	545.03	NA	NA	420.52	NA	NA	800.05	NA	NA	1,903	NA	NA
Tamil Nadu	20.77	NA	NA	15.60	NA	NA	25.35	NA	NA	1,640	NA	NA
Karnataka	44.90	NA	NA	20.30	NA	NA	31.25	NA	NA	1,539	NA	NA
Others	146.82	NA	NA	47.76	NA	NA	57.05	NA	NA	1,195	NA	NA
All-India	757.52	778.40	534.00	504.04	518.10	447.00	913.70	774.00	645.00	1,813	1,629	1,443
Source : Rubber Board, Kottayam. P= Provisional N.A. = Not available												
4.09 (a) PRODUCTION OF FRUITS AND VEGETABLES IN INDIA												
1991-92 to 2013-14												
(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 (P)	889.8		1,629.0		2,518.8							
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

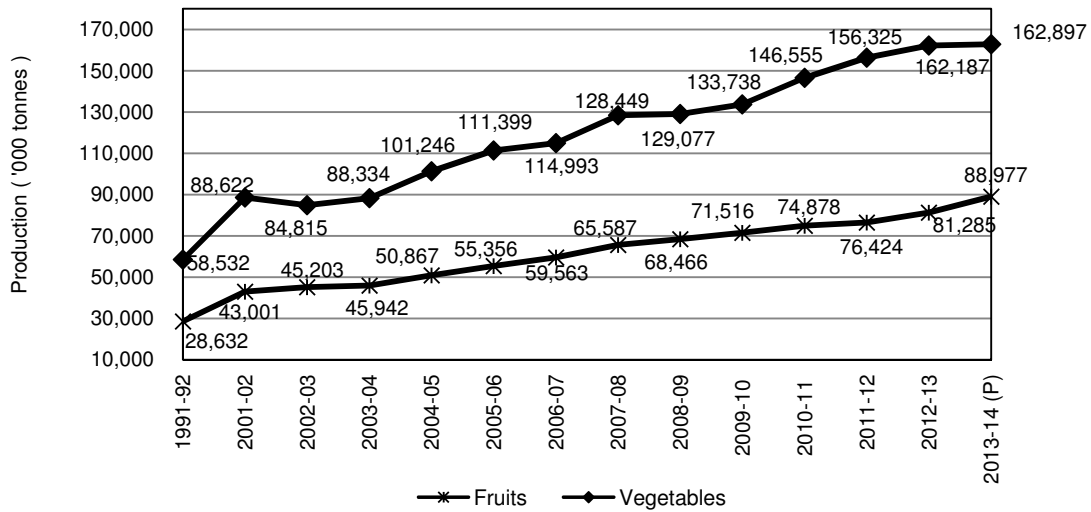
1991-92 and 2001-02 to 2013-14

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	101,246	15.0
2005-06	5,324	55,356	10.4	7,213	111,399	15.4
2006-07	5,554	59,563	10.7	7,581	114,993	15.2
2007-08	5,857	65,587	11.2	7,848	128,449	16.4
2008-09	6,101	68,466	11.2	7,981	129,077	16.2
2009-10	6,329	71,516	11.3	7,985	133,738	16.7
2010-11	6,383	74,878	11.7	8,495	146,555	17.3
2011-12	6,705	76,424	11.4	8,989	156,325	17.4
2012-13	6,982	81,285	11.6	9,205	162,187	17.6
2013-14 (P)	7,216	88,977	12.3	9,396	162,897	17.3

(P) = Provisional.

Source: National Horticulture Board (NHB), Ministry of Agriculture & Farmers Welfare, GoI. (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
2011-12 to 2013-14**

Fruits	Area ('000 hectares)			Production ('000 tonnes)			Yield (tonne/ha)		
	2011-12	2012-13	2013-14	2011-12	2012-13	2013-14	2011-12	2012-13	2013-14
Banana	797	776	803	28,455	26,509	29,725	35.7	34.2	37.0
Mango	2,378	2,500	2,516	16,196	18,002	18,431	6.8	7.2	7.3
Citrus	915	1,042	1,078	7,922	10,090	11,147	8.7	9.7	10.3
Papaya	117	132	133	4,457	5,382	5,639	38.1	40.8	42.4
Guava	220	236	268	2,510	3,198	3,668	11.4	13.6	13.7
Apple	322	312	313	2,203	1,915	2,498	6.8	6.1	8.0
Pineapple	102	105	110	1,500	1,571	1,737	14.7	15.0	15.8
Sapota	163	164	177	1,426	1,495	1,744	8.7	9.1	9.9
Grapes	116	118	119	2,221	2,483	2,585	19.1	21.0	21.7
Pomegranate	112	113	131	772	745	1,346	6.9	6.6	10.3
Litchi	80	83	84	538	580	585	6.7	7.0	7.0
Others	1,383	1,402	1,484	8,224	9,315	9,872	5.9	6.6	6.7
Total	6,705	6,982	7,216	76,424	81,285	88,977	11.4	11.6	12.3

(P) = Provisional.

Note: Totals may not tally due to rounding off.

Source: National Horticulture Board (NHB), Ministry of Agriculture & Farmers Welfare, Govt of India. (www.nhb.gov.in)

**4.10 (b) ALL INDIA AREA, PRODUCTION AND YIELD OF MAJOR VEGETABLE CROPS
2011-12 to 2013-14**

Vegetables	Area ('000 hectares)			Production ('000 tonnes)			Yield (tonne/ha)		
	2011-12	2012-13	2013-14	2011-12	2012-13	2013-14	2011-12	2012-13	2013-14
Potato	1,907	1,992	1,973	41,483	45,344	41,555	21.8	22.8	21.1
Tomato	907	880	882	18,653	18,227	18,736	20.6	20.7	21.2
Onion	1,087	1,052	1,204	17,511	16,813	19,402	16.1	16.0	16.1
Brinjal	692	722	711	12,634	13,444	13,558	18.3	18.6	19.1
Tapioca	227	207	228	8,747	7,237	8,139	38.6	35.0	35.7
Cabbage	390	372	400	8,412	8,534	9,039	21.6	22.9	22.6
Cauliflower	391	402	434	7,349	7,887	8,573	18.8	19.6	19.8
Okra	518	231	533	6,259	6,350	6,346	12.1	27.5	11.9
Peas	408	421	434	3,745	4,006	3,869	9.2	9.5	8.9
Sweet Potato	110	112	106	1,073	1,132	1,088	9.8	10.1	10.3
Others	2,352	2,815	2,491	30,459	33,213	32,592	13.0	11.8	13.1
Total	8,989	9,205	9,396	156,325	162,187	162,897	17.4	17.6	17.3

Note: Totals may not tally due to rounding off.

Source: National Horticulture Board (NHB), Ministry of Agriculture & Farmers Welfare, Govt of India. (www.nhb.gov.in)

4.11 STATE-WISE AREA, PRODUCTION AND YIELD OF FRUITS						
2012-13 and 2013-14						
States / Union Territories	Area ('000 hectares)		Production ('000 tonnes)		Yield (tonne/ha)	
	2012-13	2013-14	2012-13	2013-14	2012-13	2013-14
Andhra Pradesh	940.7	640.1	13939.1	10510.6	14.8	16.4
Andaman & Nicobar Islands	3.3	3.6	30.7	29.7	9.2	8.4
Arunachal Pradesh	86.9	89.1	312.2	321.3	3.6	3.6
Assam	150.7	144.7	2073.8	2007.8	13.8	13.9
Bihar	301.5	302.1	4249.2	4013.6	14.1	13.3
Chhattisgarh	195.6	212.9	1702.3	1930.2	8.7	9.1
Goa	11.2	11.3	80.9	81.2	7.1	7.2
Gujarat	381.5	370.8	8413.2	8002.0	22.1	21.6
Haryana	49.5	50.6	516.1	554.9	10.4	11.0
Himachal Pradesh	218.0	220.7	555.7	866.3	2.5	3.9
Jammu & Kashmir	347.5	355.2	1742.1	2073.9	5.0	5.8
Jharkhand	93.0	94.0	889.7	890.0	9.6	9.5
Karnataka	388.2	396.0	6619.6	6652.4	17.1	16.8
Kerala	314.6	377.0	2583.9	2889.5	8.2	7.7
Lakshadweep	0.2	0.2	0.5	0.5	2.5	2.2
Madhya Pradesh	195.4	203.8	5450.0	5696.0	27.9	28.0
Maharashtra	1549.0	1565.0	9785.0	13457.9	6.3	8.6
Manipur	51.9	54.1	440.6	515.7	8.5	9.5
Meghalaya	33.2	35.3	316.6	348.0	9.5	9.9
Mizoram	49.7	57.6	293.0	343.9	5.9	6.0
Nagaland	37.2	40.6	276.0	411.0	7.4	10.1
Odisha \$	329.4	325.9	2210.4	2148.3	6.7	6.6
Puducherry	0.5	0.6	9.3	12.6	18.6	19.7
Punjab	74.9	76.6	1502.5	1541.2	20.1	20.1
Rajasthan	46.5	37.4	716.8	581.8	15.4	15.6
Sikkim	14.7	16.0	24.0	24.1	1.6	1.5
Tamil Nadu	309.9	328.6	6699.9	7369.9	21.6	22.4
Telangana		364.5		4441.0		12.2
Tripura	60.1	68.4	697.9	786.4	11.6	11.5
Uttar Pradesh	326.2	379.0	5176.1	6887.5	15.9	18.2
Uttarakhand	200.9	171.6	805.7	678.5	4.0	4.0
West Bengal	220.6	223.5	3172.5	2909.7	14.4	13.0
Total	6982.0	7216.3	81285.4	88977.1	11.6	12.3

\$ = from November 2011 (Formerly Orissa).

Note: Totals may not tally due to rounding off.

Source: National Horticulture Board (NHB), Ministry of Agriculture and Farmers Welfare, Gov. (www.nhb.gov.in)

4.12 STATE-WISE AREA, PRODUCTION AND YIELD OF VEGETABLES						
2012-13 and 2013-14						
States / Union Territories	Area ('000 hectares)		Production ('000 tonnes)		Yield (tonne/ha)	
	2012-13	2013-14	2012-13	2013-14	2012-13	2013-14
Andhra Pradesh	686.1	439.6	12,104.7	8,149.8	17.6	18.5
Andaman & Nicobar Islands	6.4	6.9	44.2	51.8	6.9	7.5
Arunachal Pradesh	1.5	1.4	37.6	35.0	25.1	25.0
Assam	278.7	281.4	3,415.1	3,031.9	12.3	10.8
Bihar	861.8	809.8	16,325.7	15,097.8	18.9	18.6
Chhattisgarh	380.7	403.4	4,993.9	5,465.9	13.1	13.5
Dadra & Nagar Haveli	1.1	1.1	5.5	5.5	5.0	5.0
Delhi	27.9	27.3	439.3	437.0	15.7	16.0
Goa	6.7	7.0	80.5	79.9	12.0	11.4
Gujarat	537.6	582.3	10,520.7	11,571.2	19.6	19.9
Haryana	356.8	373.2	5,011.3	5,565.9	14.0	14.9
Himachal Pradesh	79.5	86.6	1,521.1	1,635.9	19.1	18.9
Jammu & Kashmir	63.1	63.1	1,395.5	1,395.5	22.1	22.1
Jharkhand	321.5	313.6	4,325.4	4,238.1	13.5	13.5
Karnataka	436.6	418.7	7,841.9	7,500.7	18.0	17.9
Kerala	146.1	147.7	3,446.9	3,572.7	23.6	24.2
Lakshadweep	0.3	0.3	0.3	0.3	35.3	1.2
Madhya Pradesh	612.8	628.7	12,574.0	13,019.3	20.5	20.7
Maharashtra	474.0	726.0	8,008.0	10,161.8	16.9	14.0
Manipur	21.7	25.2	219.8	271.0	10.1	10.8
Meghalaya	40.5	43.6	403.4	515.3	10.0	11.8
Mizoram	39.3	41.1	236.7	254.1	6.0	6.2
Nagaland	26.0	38.6	207.7	492.4	8.0	12.8
Odisha \$	688.1	677.3	9,464.0	9,433.7	13.8	13.9
Puducherry	1.5	0.9	25.0	16.3	16.7	18.1
Punjab	184.1	191.0	3,782.6	3,936.2	20.5	20.6
Rajasthan	224.4	148.9	873.5	1,114.1	3.9	7.5
Sikkim	25.6	26.1	132.5	134.5	5.2	5.2
Tamil Nadu	277.8	289.7	7,897.9	8,678.8	28.4	30.0
Telangana		220.9		3,647.3		16.5
Tripura	45.1	46.7	754.1	780.5	16.6	16.7
Uttar Pradesh	912.7	859.4	19,571.6	18,545.0	21.4	21.6
Uttarakhand	88.0	88.3	1,059.6	1,016.8	12.0	11.5
West Bengal	1,348.0	1,380.3	25,466.8	23,045.0	18.9	16.7
Total	9,205.2	9,396.1	162,186.6	162,896.9	17.6	17.3

\$ = from November 2011 (Formerly Orissa).

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									
2011-12 to 2013-14									
Spices	Area ('000 hectares)			Production ('000 tonnes)			Yield (tonne / ha)		
	2011-12	2012-13	2013-14	2011-12	2012-13	2013-14	2011-12	2012-13	2013-14
Chillies	805.00	794.00	775.00	1,276.00	1,304.00	1,492.00	1.6	1.6	1.9
Garlic	242.00	248.00	231.00	1,228.00	1,259.00	1,252.00	5.1	5.1	5.4
Turmeric	219.00	194.00	233.00	1,167.00	971.00	1,190.00	5.3	5.0	5.1
Ginger	155.00	136.00	133.00	756.00	683.00	655.00	4.9	5.0	4.9
Coriander	558.00	543.00	447.00	533.00	524.00	314.00	1.0	1.0	0.7
Tamarind	58.00	58.00	59.00	203.00	202.00	188.00	3.5	3.5	3.2
Cumin	594.00	594.00	859.00	394.00	394.00	514.00	0.7	0.7	0.6
Fenugreek	94.00	93.00	66.00	116.00	113.00	90.00	1.2	1.2	1.4
Fennel	100.00	100.00	54.00	143.00	143.00	70.00	1.4	1.4	1.3
Pepper	200.00	125.00	124.00	41.00	53.00	51.00	0.2	0.4	0.4
Cardamom	89.00	92.00	93.00	16.00	18.00	21.00	0.2	0.2	0.2
Other seed spices	-	-	-	-	-	-	-	-	-
Ajwan	35.00	35.00	27.00	27.00	27.00	19.00	0.8	0.8	0.7
Nutmeg	17.00	17.90	19.00	13.00	12.50	13.00	0.8	0.7	0.7
Tejpata / Cinnamon	3.00	3.00	3.00	5.00	5.00	5.00	1.7	1.7	1.7
Clove	2.00	2.00	2.00	1.00	1.00	1.00	0.5	0.5	0.5
Others	41.00	41.00	38.00	32.00	34.00	33.00	0.8	0.8	0.9
Total	3,212.00	3,075.90	3,163.00	5,951.00	5,743.50	5,908.00	1.9	1.9	1.9

Note: Totals may not tally due to rounding off.

Source: National Horticulture Board (NHB), Ministry of Agriculture & Farmers Welfare, GoI. (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						
I. Organic manure									
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							
Total organic manures	245.83	526.08	458.83						
II. Green manure		20.62	12.34						
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
I. Organic manure									
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
Total organic manures	2324.04	1456.03	3830.93	2135.66	2758.44	3389.20	3245.30	4115.78	2294.15
II. Green manure					727.69	282.24	241.06	237.55	N.A
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
Total		224.976	63.335	1,399.30	582.274	14.782

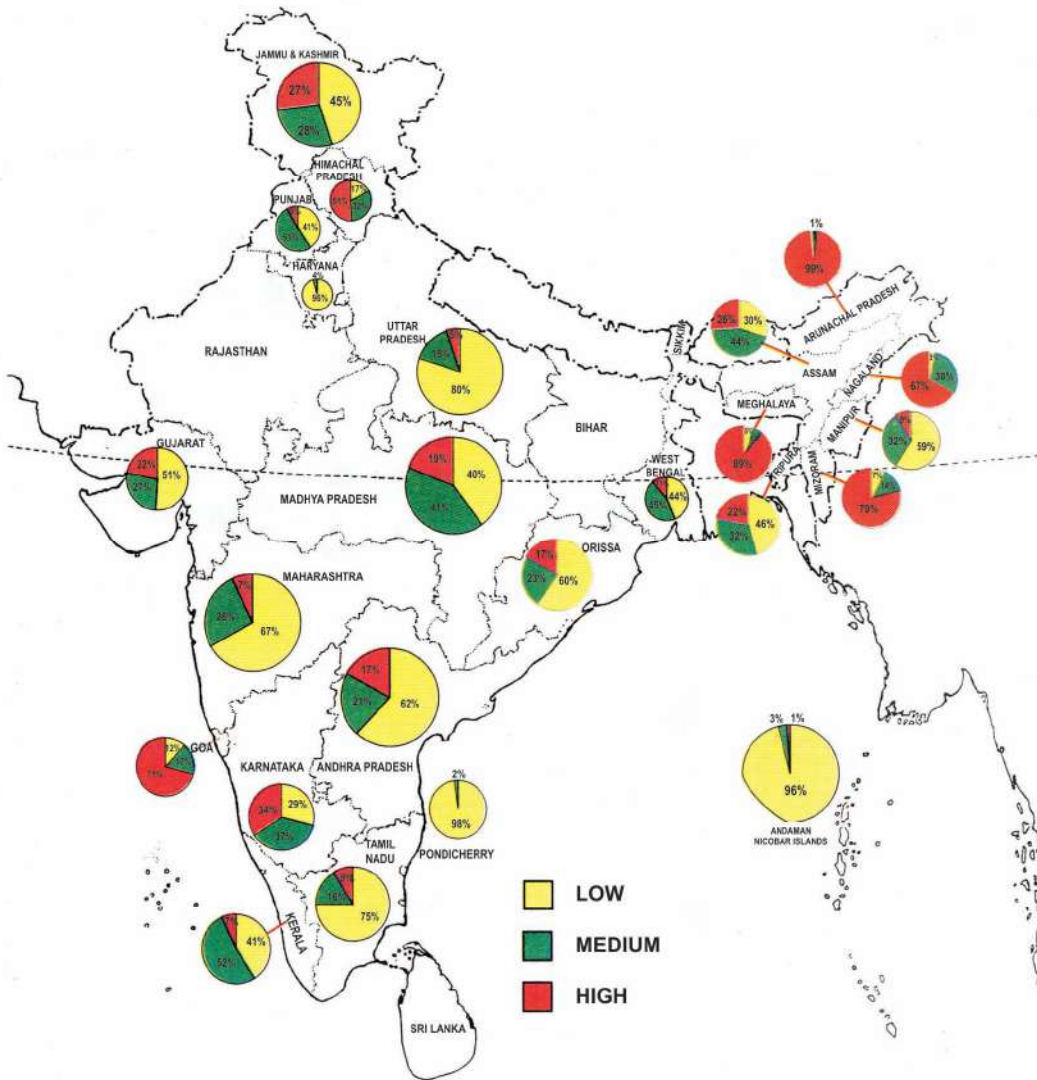
Note: States/ UTs for which data are not available have not been included.
 \$ = from November 2011 (Formerly Orissa).
 Source : National Centre of Organic Farming ,Ministry of Agriculture & Farmers Welfare, Govt. of India, N. Delhi.

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
Total		12.34	241.06	237.55
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.

5.01 (a) NITROGEN 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		
East						
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
West						
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
North						
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
South						
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
India	3,650,004	63	26	11	1.48	Low
<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>						

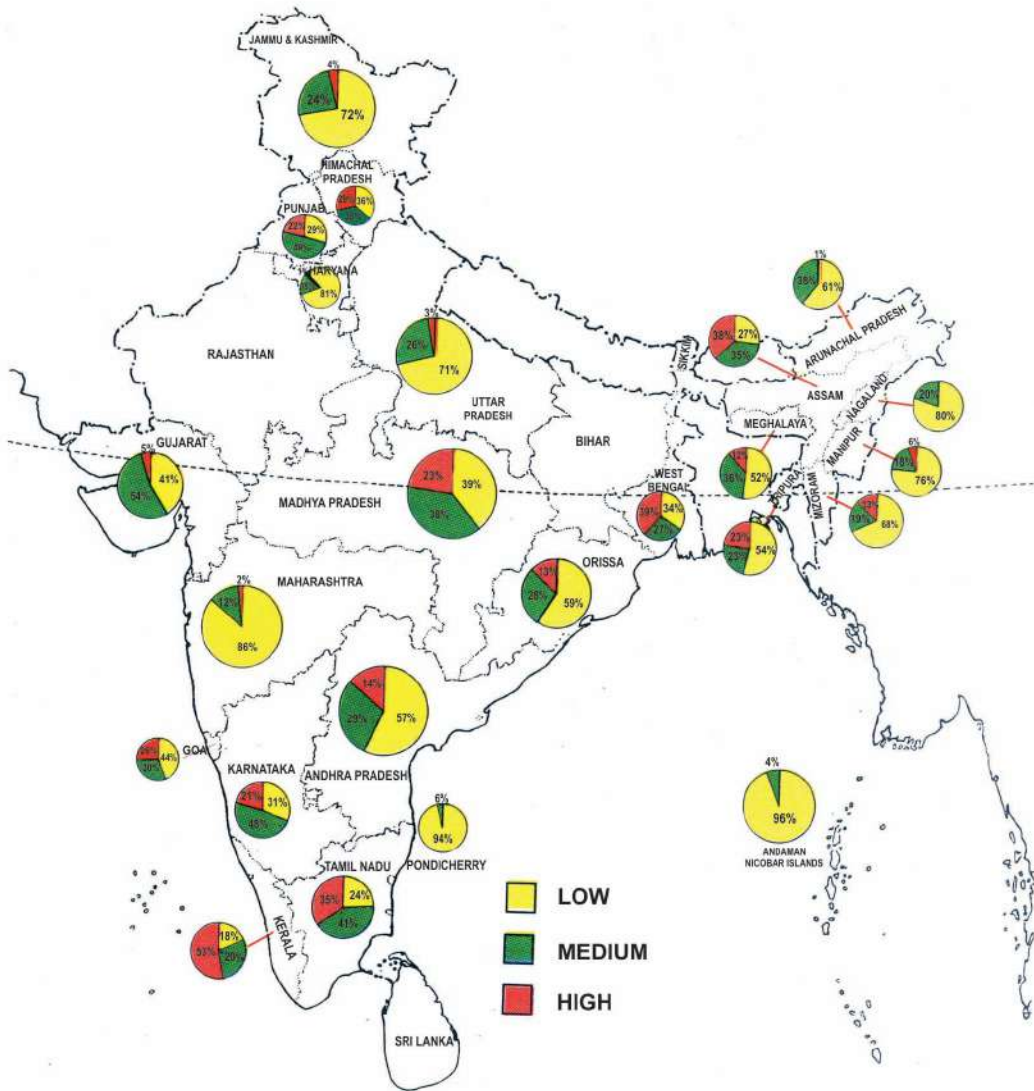
Fig. 4: NITROGEN FERTILITY STATUS OF SOILS OF INDIAN STATES



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		
East						
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
West						
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
North						
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
South						
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
India	3,650,004	42	38	20	1.78	Medium
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).						

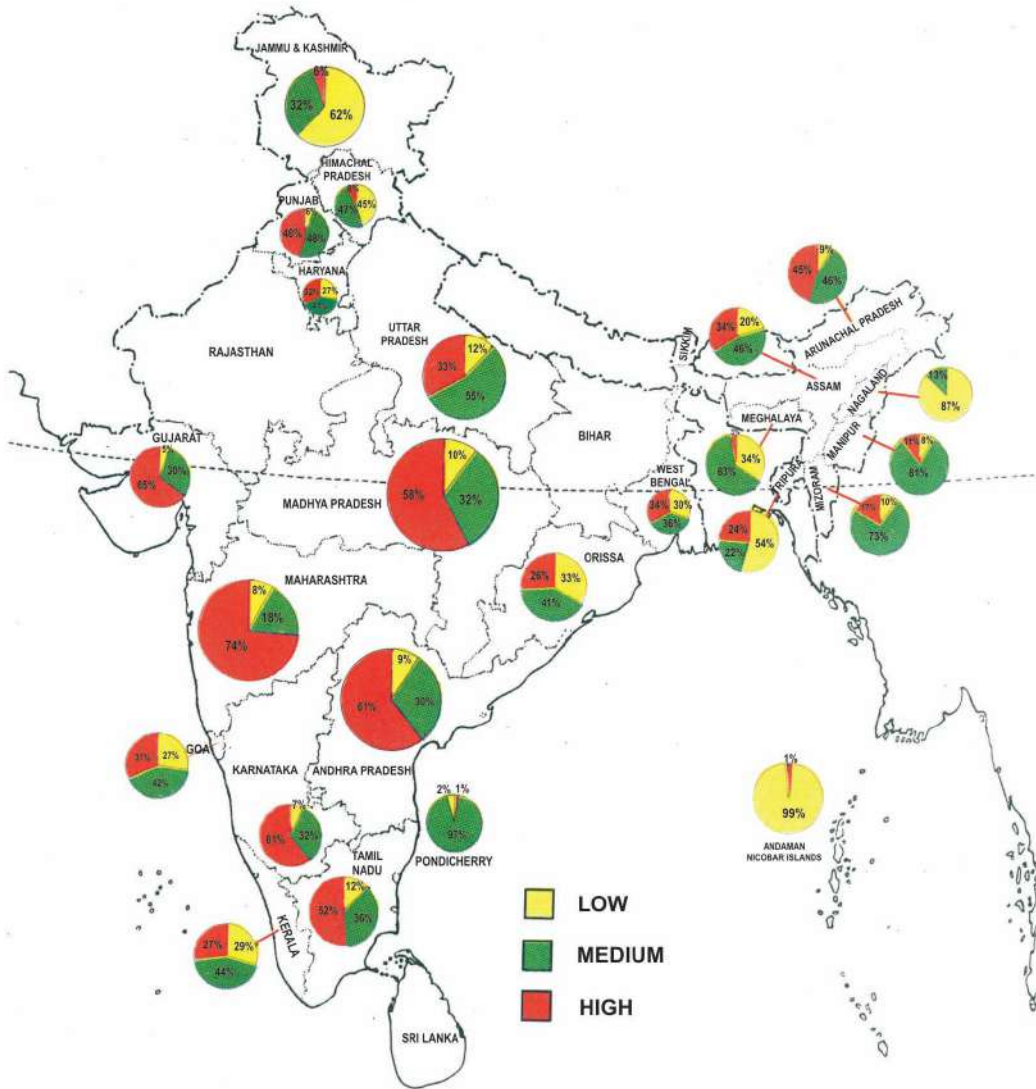
Fig. 5: PHOSPHORUS FERTILITY STATUS OF SOILS OF INDIAN STATES



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		
East						
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
West						
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
North						
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
South						
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
India	3,650,004	13	37	50	2.37	High
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 ₂ O ₅	K ₂ 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 ₂ O ₅	K ₂ 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			

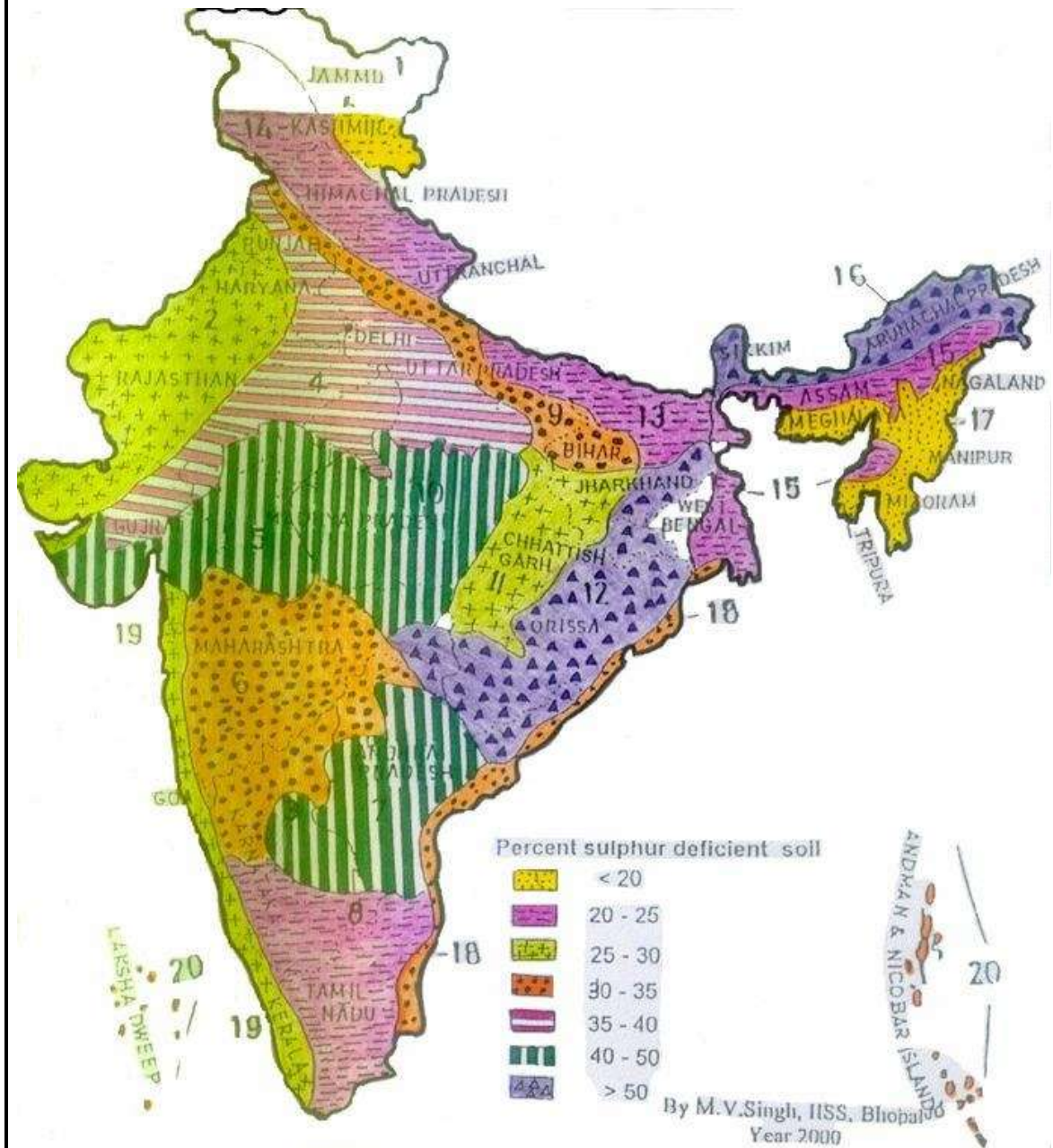
Source: *Fertilizers in Indian Agriculture - from 20th to 21st century (2004)*, H. L. S. Tandon, Fertiliser Development and Consultation Organisation, New Delhi.

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 ₂ O ₅	1.7	0.9	2.6	
		K ₂ O	7.0	3.3	10.3	
		Total	13.1	5.7	18.8	
1995	192	N	5.6	1.9	7.5	
		P ₂ O ₅	2.2	1.2	3.4	
		K ₂ O	9.0	4.2	13.2	
		Total	16.8	7.3	24.1	
2000	200	N	5.8	2.0	7.8	
		P ₂ O ₅	2.2	1.3	3.5	
		K ₂ O	9.3	4.4	13.7	
		Total	17.3	7.7	25.0	
Future-I	225	N	6.6	2.2	8.8	
		P ₂ O ₅	2.6	1.4	4.0	
		K ₂ O	10.5	4.9	15.4	
		Total	19.7	8.5	28.2	
Future-II	240	N	7.0	2.4	9.4	
		P ₂ O ₅	2.7	1.5	4.2	
		K ₂ O	11.2	5.3	16.5	
		Total	20.9	9.2	30.0	

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
Northern Region	15323	6742	4615	3966	44	30	26
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
Western Region	12474	5591	3719	3164	45	30	25
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
Eastern Region	10108	3549	3301	3260	35	33	32
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
Southern Region	11289	7112	2976	1201	63	26	11
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
All India	49194	22993	14610	11591	46	30	24
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).							
5.05 (a) TENTATIVE ESTIMATES OF MICRONUTRIENT UPTAKE BY CROPS IN INDIA							
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				
Total	179,689		1266.90				
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
Total	4082	0.11-16.0	1.02	38.7	0.08-26.2	3.40	3.5	0.16-166	17.60	7.80	0.97-109	13.0	3.7

mg/kg = milligram per kilogram PSD = % deficient samples

Source : M V Singh, Project Coordinator (Miconutrients): *Micro-and Secondary- Nutrients and Pollutant Elements Research in India, (2006)*, (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

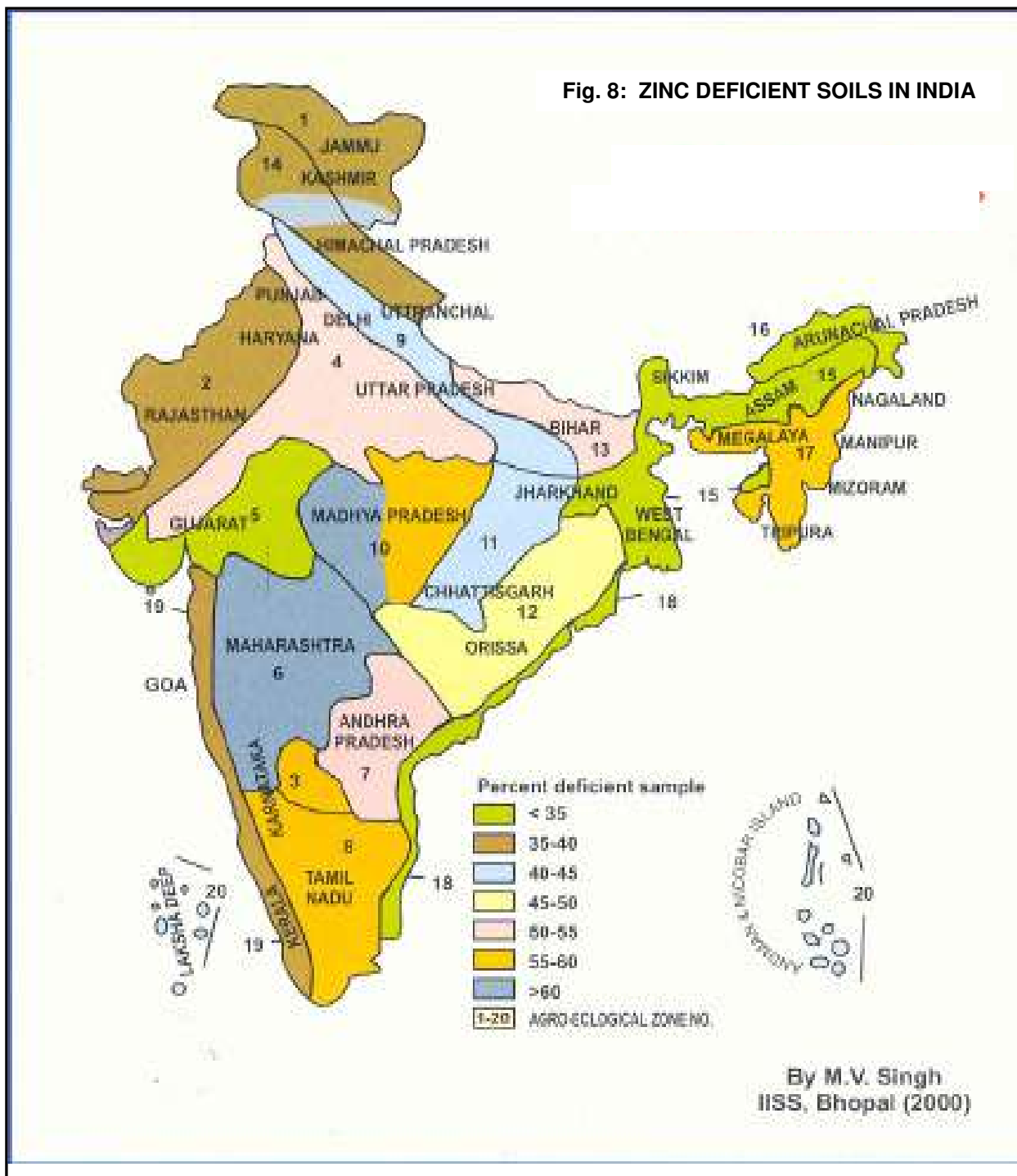
States	No. soil samples	B content (mg/kg)			No. of soil samples	S content (mg/kg)		
		Range	Mean	PSD		Range	Mean	PSD
Andhra Pradesh	40	0.13-1.01	0.52	52.90	1104	2.5-96.8	13.47	47.0
Bihar	128	0.08-4.91	1.32	9.80	128	0.5-244.7	34.06	59.0
Gujarat					1389	0.7-268.6	19.91	40.4
Madhya Pradesh	638	0.07-2.23	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
Total	2847	0.05-6.67	0.78	24.20	4581	0.5-244.7	18.57	40.1

mg/kg = milligram per kilogram PSD = % deficient samples \$ = from November 2011 (Formerly Orissa).

Source : M V Singh, Project Coordinator (Miconutrients): *Micro-and Secondary- Nutrients and Pollutant Elements Research in India, (2006)*, 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
All India	2,56,355	48.8
Source: Reference: Dr M.V. Singh (2001),(2007), Project Coordinator (Micro), IISS, Bhopal.		

Fig. 8: ZINC DEFICIENT SOILS IN INDIA



5.07 NUTRIENT CONTENTS OF FERTILISERS							(per cent)
Sl. No.	Material	Total nitrogen	Ammoniacal nitrogen	Nitrate nitrogen	Amide nitrogen	Available phosphate P ₂ O ₅	Water soluble phosphate P ₂ O ₅
NITROGENOUS MATERIALS							
1	Ammonia anhydrous a	81.5	81.5	...	...	...	...
2	Ammonium chloride b	25.0	25.0a	...	...	...	...
3	Ammonium sulphate b*	20.6a	20.6a	...	...	...	...
4	Calcium ammonium nitrate b 25% N	25.0b	12.5	12.5	...	...	...
5	Calcium ammonium nitrate c 26% N	26.0a	13.0	13.0	...	...	...
6	Urea b	46.0a	...	...	46.0	...	...
PHOSPHATIC MATERIALS							
7	Single superphosphate b (grade I, 16% P ₂ O ₅)*	...	...	...	...	16.5-17.0	16.0a
8	Single superphosphate b (grade II, 14% P ₂ O ₅)*	...	...	...	...	14.5-16.0	14.0a
9	Triple superphosphate b*	...	...	...	...	43.0	42.5a
10	(a) Rockphosphate (Imported)	...	...	...	...	...	...
	(b) Udaipur rockphosphate	...	...	...	...	...	...
	(c) Mussoorie rockphosphate	...	...	...	...	...	...
	(d) Jhabua rockphosphate	...	...	...	...	...	...
POTASSIC MATERIALS							
11	Potassium chloride (Muriate of potash) c	...	...	...	...	...	...
12	Potassium sulphate	...	...	...	...	...	...
COMPLEXES							
13	Diammonium phosphate (18-46-0) b*	18.0a	18.0a	...	...	...	41.0a
14	Ammonium phosphate sulphate (16-20-0) b*	16.0a	16.0a	...	...	...	19.5a
15	Ammonium phosphate sulphate (20-20-0) b	20.0a	18.0a	...	2.0a	20.0a	17.0a
16	Ammonium phosphate sulphate nitrate (20-20-0) b	20.0a	17.0a	3.0a	...	20.0a	17.0a
17	Urea ammonium phosphate (28-28-0) b	28.0a	9.0a	...	19.0	28.0a	25.2a
18	Urea ammonium phosphate (24-24-0) b	24.0a	7.5a	...	16.5a	24.0a	20.4a
19	Nitrophosphate (20-20-0) b	20.0a	10.0a	10.0a	...	20.0a	5.4a
NITROGEN-POTASSIUM MATERIALS							
20	Potassium nitrate	13.0	...	13.0	...	...	...
COMPLEXES							
21	Nitrophosphate with potash (15-15-15) b	15.0a	7.5a	7.5a	...	15.0a	4.0a
22	NPK (10-26-26) b	10.0a	7.0a	...	3.0a	26.0a	22.1a
23	NPK (12-32-16) b	12.0a	9.0a	...	3.0a	32.0a	27.2a
24	NPK (14-35-14) b	14.0a	12.0a	...	2.0a	35.0a	29.0a
25	NPK (17-17-17) b	17.0a	5.0a	...	12.0a	17.0a	14.5a
26	NPK (14-28-14) b	14.0a	8.0a	...	6.0a	28.0a	23.8a
27	NPK (19-19-19) b	19.0a	5.6a	...	13.4a	19.0a	16.2a
a Specifications prescribed in the Fertiliser (Control) Order. b Fertilizers manufactured in India. c Fertilizers Imported. d Equivalent acidity is the number of parts by weight of calcium carbonate (CaCO ₃) required to neutralise the acidity resulting from the use of 100 parts of fertiliser material. e Equivalent basicity is the number of parts by weight of calcium carbonate (CaCO ₃) that corresponds in acid neutralising power of 100 parts of fertiliser material.							

(Continued)

5.07 NUTRIENT CONTENTS OF FERTILISERS (Concluded)								
(per cent)								
Sl. No.	Material	Total phosphate P ₂ O ₅	Water soluble potash	Sulphur	Total (lime) (CaO)	Total magnesia (MgO)	Equivalent acidity d	Equivalent basicity e
NITROGENOUS MATERIALS								
1	Ammonia anhydrous a	...	...	...	...	...	148	...
2	Ammonium chloride b	...	...	...	...	...	128-140	...
3	Ammonium sulphate b*	...	...	23.0	...	...	110	...
4	Calcium ammonium nitrate b 25% N	...	...	...	10.2	0—7.5	Neutral	...
5	Calcium ammonium nitrate c 26% N	...	...	...	...	...	Neutral	...
6	Urea b	...	...	...	...	...	80	...
PHOSPHATIC MATERIALS								
7	Single superphosphate b (grade I, 16% P ₂ O ₅)*	18.0-20.0	...	11.0	25.0-30.0	0.5	...	...
8	Single superphosphate b (grade II, 14% P ₂ O ₅)*	16.0-18.0	...	11.0	...	...	...	...
9	Triple superphosphate b*	46.0	...	...	17.0-20.0	0.5	...	...
10	(a) Rockphosphate (Imported)	30.0-40.0	...	...	...	...	...	...
	(b) Udaipur rockphosphate	20.0-35.0	...	...	...	...	...	...
	(c) Mussoorie rockphosphate	23.0-34.0	...	...	...	...	...	...
	(d) Jhabua rockphosphate	31.0-38.0	...	...	...	...	...	...
POTASSIC MATERIALS								
11	Potassium chloride(Muriate of potash)c	...	60.0	...	...	...	...	...
12	Potassium sulphate	...	50.0	17.5	...	...	...	...
COMPLEXES								
13	Diammonium phosphate (18-46-0) b*	46.0a	...	...	...	...	...	...
14	Ammonium phosphate sulphate (16-20-0) b*	20.0a	...	13.0	...	...	...	...
15	Ammonium phosphate sulphate (20-20-0) b	...	...	13.0	...	...	...	...
16	Ammonium phosphate sulphate nitrate (20-20-0) b	...	...	...	...	...	...	...
17	Urea ammonium phosphate (28-28-0) b	...	...	...	...	...	...	...
18	Urea ammonium phosphate (24-24-0) b	...	...	...	...	...	...	...
19	Nitrophosphate (20-20-0) b	...	...	...	...	...	...	...
NITROGEN-POTASSIUM MATERIALS								
20	Potassium nitrate	...	44.0	...	0.5	0.5	...	...
COMPLEXES								
21	Nitrophosphate with potash (15-15-15)b	15	15.0a	...	...	...	...	...
22	NPK (10-26-26) b	26	26.0a	...	...	...	...	...
23	NPK (12-32-16) b	32	16.0a	...	...	...	...	...
24	NPK (14-35-14) b	35	14.0a	...	...	...	...	...
25	NPK (17-17-17) b	17	17.0a	...	...	...	...	...
26	NPK (14-28-14) b	28	14.0a	...	...	...	...	...
27	NPK (19-19-19) b	19	19.0a	...	...	...	...	...
* Average Sulphur content in - (i) A/Sulphate 24% (ii) SSP 12% (iii) Pot. Sulphate 18% (iv) DAP upto 3% (v) A/P/Sulphate 15% and (vi) Gypsum 20% (vii) TSP 1%.								
Source: (i) <i>Fertiliser (Control) Order, 1985</i> as amended upto January 2011. (ii) <i>Efficient Use of Fertiliser</i> —FAO Agricultural Studies No. 43.								
"Essential plant nutrient" as per G.S.R. 758(E) of 25th September, 1985, issued by the Ministry of Agriculture, New Delhi are—"Boron, Calcium, Carbon, Chloride, Copper, Hydrogen, Iron, Manganese, Magnesium, Molybdenum, Nitrogen, Oxygen, Phosphorus, Potassium, Sulphur and Zinc. [Fertiliser (Control) Order, 1985].								

5.08 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.						
5.09 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.						

5.10 AVERAGE CHEMICAL COMPOSITION OF SOME ORGANIC MANURES			
Material	Nitrogen (as N)	Phosphate (as P ₂ O ₅)	Potash (as K ₂ O)
I. Bulky organic manures			
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
II. Oil cake			
(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
III. Manure of animal origin			
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.			

5.11 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.							
5.12 GRADES OF WATER SOLUBLE FERTILISERS IN FCO							
Name of Product	Nutrient Consumption (%)						
	N	P ₂ O ₅	K ₂ O	S	Ca	MgO	Zn
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
Source: <i>The Fertiliser (Control) Order 1985 (as amended upto November 2012)</i>							

5.13 GRADES OF FORTIFIED FERTILISERS IN FCO								
Name of Product	Nutrient Consumption (%)							
	N	P ₂ O ₅	K ₂ O	S	Ca	MgO	B	Zn
Boronated Single Superphosphate (16% P ₂ O ₅ Powdered)	-	16.0	-	-	-	-	0.15-0.20	-
Zincated Urea	43.0	-	-	-	-	-	-	2.0
Zincated Phosphate (Suspension)	-	12.9	-	-	-	-	-	19.4
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	-
Diammonium Phosphate Fortified with Boron (18:46:0:0.3)	18.0	46.0	0.0	-	-	-	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	-	0.250	-
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	0.0	-	-	-	-	0.5
<i>Source: The Fertiliser (Control) Order 1985 (as amended upto November 2012)</i>								

6.00 IMPORT, EXPORT AND AVAILABILITY OF AGRICULTURAL PRODUCTS

6.01 IMPORT OF AGRICULTURAL PRODUCTS				
2012-13 and 2013-14				
(Quantity in thousand tonnes)				
(Value in ₹ crore)				
Item	2012-13		2013-14 (P)	
	Quantity	Value	Quantity	Value
Pulses	3,839.30	12,733.70	3,049.29	10,550.97
Wheat	2.94	6.03	11.27	26.92
Rice	0.72	3.96	1.44	8.29
Other Cereals	45.58	110.01	22.34	99.32
Total foodgrains	3,888.54	12,853.70	3,084.34	10,685.50
Cereal Preparations	51.56	346.17	57.20	404.29
Milk & Cream	5.34	107.20	8.21	153.51
Cashew nuts	892.37	5,331.74	771.36	4,563.99
Fruits & nuts (excluding cashewnuts)		6,297.93		7,777.79
Spices	157.64	2,615.14	148.49	3,430.56
Sugar	1,122.26	3,094.38	880.96	2,286.86
Oil seeds		406.07		973.55
Vegetable oil fixed (edible)	11,013.73	61,106.59	10,434.21	56,488.51
Vegetables and animal fats	1.16	37.04	0.90	28.98
Cotton (raw & waste)	232.55	2,466.74	177.71	2,371.14
Jute (raw)	148.73	370.79	52.65	146.25
Tea	22.30	274.52	21.16	280.08
Wood and wood products		14,199.51		15,454.17
Total Agricultural Imports		109,610.68		105,149.00
Total National Imports		2,669,161.96		2,714,181.50
% share of Agricultural Import in National Imports		4.11		3.87
Note : 1 crore = 10 million (P) : Provisional				
Source : 1. <i>Agricultural Statistics at a Glance - 2014</i> , Directorate of Economics & Statistics, Ministry of Agriculture & Farmers Welfare, Govt. of India, New Delhi.				
2. <i>Economic Survey 2014-15</i> , Ministry of Finance, Government of India, New Delhi.				

6.02 EXPORT OF PRINCIPAL AGRICULTURAL COMMODITIES				
2012-13 and 2013-14				
(Quantity in thousand tonnes)				
(Value in ₹ crore)				
Items	2012-13		2013-14 (P)	
	Qty.	Value	Qty.	Value
Pulses	201.70	1,280.00	343.49	1,737.00
Rice Basmati	3,459.89	19,409.39	3,757.36	29,300.12
Rice (other than Basmati)	6,688.00	14,448.81	7,018.53	17,493.16
Wheat	6,514.82	10,529.00	5,559.83	9,257.11
Other Cereals	5,441.31	8,180.61	4,609.24	7,132.37
Sub-Total (foodgrains)	22,305.72	53,847.81	21,288.45	64,919.76
Tea	268.80	4,718.79	247.62	4,831.80
Coffee	254.02	4,711.07	253.92	4,797.14
Tobacco Unmanufactured	230.41	3,815.76	237.08	4,782.63
Tobacco Manufactured		1,214.47		1,351.09
Dairy products		1,768.77		3,763.08
Floriculture Products		423.45		455.89
Spices	1,008.86	15,364.97	1,029.31	15,981.42
Cashewnut Shell Liquid	9.19	29.84	9.48	38.61
Cashew	104.04	4,067.21	120.49	5,095.89
Sesamum & Niger Seed	317.38	2,970.98	278.28	3,697.07
Groundnut	535.64	4,065.36	511.66	3,212.06
Guargum Meal	406.31	21,287.00	601.74	11,734.03
Oil Meals	6,578.18	16,519.53	6,564.05	17,034.43
Castor oil	565.99	4,309.82	544.82	4,364.33
Shellac	3.60	401.74	7.60	504.30
Sugar	2,794.49	8,576.63	2,459.61	7,125.69
Molasses	342.15	223.03	211.64	147.28
Fruits/Vegetable Seeds	17.17	347.72	17.18	402.78
Fresh Fruits		3,295.12		4,364.26
Fresh Vegetables		3,288.33		5,117.48
Processed Vegetables		1,119.66		1,316.62
Processed Fruits Juices		1,968.77		2,556.33
Meat & Preparations		17,903.20		27,246.91
Miscellaneous Processed Items		4,962.66		6,881.89
Marine products	965.10	18,841.20	999.19	30,616.62
Cotton Raw incl. Waste	2,056.69	20,276.51	1,940.74	22,248.48
Jute Hessian		876.68		843.18
Poultry Products		460.13		509.41
Paper/Wood products		10,384.94		12,528.63
Total Agricultural Exports		232,041.11		268,469.05
Total National Exports		1,634,318.84		1,894,181.95
% Share of Agricultural Exports in National Exports		14.20		14.17

Note : 1 crore = 10 million

Source : 1. *Agricultural Statistics at a Glance - 2014*, Directorate of Economics & Statistics, Ministry of Agriculture & Farmers Welfare, Govt. of India, N.Delhi.
2. *Economic Survey 2014-15*, Ministry of Finance, Government of India, New Delhi.

6.03 BALANCE OF TRADE (1971-72 to 2014-15)			
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	106,353	122,678	(-) 16325
1996-97	118,817	138,920	(-) 20103
1997-98	130,100	154,176	(-) 24076
1998-99	139,752	178,332	(-) 38580
1999-2000	159,561	215,236	(-) 55675
2000-01	203,571	230,873	(-) 27302
2001-02	209,018	245,200	(-) 36182
2002-03	255,137	297,206	(-) 42069
2003-04	293,367	359,108	(-) 65741
2004-05	375,340	501,065	(-) 125725
2005-06	456,418	660,409	(-) 203991
2006-07	571,779	840,506	(-) 268727
2007-08	655,864	1,012,312	(-) 356448
2008-09	840,755	1,374,436	(-) 533680
2009-10	845,534	1,363,736	(-) 518202
2010-11	1,136,964	1,683,467	(-) 546503
2011-12	1,465,959	2,345,463	(-)879504
2012-13	1,634,318	2,669,162	(-)1034844
2013-14	1,905,011	2,715,434	(-)810423
2014-15(Apr-Dec)(P)	1,465,171	2,134,283	(-)669111

(P) = Provisional.

Source: *Economic Survey 2014-15*, Ministry of Finance, Government of India, New Delhi.

6.04 NET AVAILABILITY OF CEREALS AND PULSES 1961 to 2013									
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 (P)	1228.8	208.9	(-)22.2	(-)23.6	210.3	18.8	468.9	41.9	510.8

* 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 2014-15*, Ministry of Finance, Govt. of India, New Delhi.

6.05 NET AVAILABILITY, PROCUREMENT AND PUBLIC DISTRIBUTION OF FOODGRAINS (1951 to 2014)								
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
1972	92.0	(-0.5)	96.2	7.7	10.5	-0.5	8.3	10.9
1973	84.9	3.6	88.8	8.4	11.4	4.0	9.9	12.8
1974	91.6	5.2	97.1	5.6	10.8	5.3	6.2	11.1
1975	87.4	7.5	89.3	9.6	11.3	8.4	10.9	12.6
1976	105.9	0.7	95.8	12.8	9.2	0.7	12.1	9.6
1977	97.3	0.1	99.0	9.9	11.7	0.1	10.1	11.8
1978	110.6	(-0.6)	110.2	11.1	10.2	-0.5	10.0	9.2
1979	115.4	(-0.2)	114.9	13.8	11.7	-0.2	12.0	10.2
1980	96.0	(-0.3)	101.4	11.2	15.0	-0.3	11.6	14.8
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	214.2	(-)2.9	203.1	64.5	47.9	-1.4	30.1	23.6
2012 (P)	N.A.	N.A.	N.A.	73.4	44.9	N.A.	N.A.	N.A.
2013 (P)	N.A.	N.A.	N.A.	58.9	44.5	N.A.	N.A.	N.A.
2014 (P)	N.A.	N.A.	N.A.	59.8	43.5	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.
 Source: *Economic Survey 2014-15*, Ministry of Finance, Govt. of India, New Delhi.

6.06 FOODGRAIN STOCK IN CENTRAL POOL					
(As on 1st day of the month)					
(lakh tonnes)					
Year	Month	Rice	Wheat	Coarse grains	Total
2007	January	119.77	57.29	0.87	177.93
	April	131.71	45.63	0.58	177.92
	July	109.76	129.26	0.05	239.07
	Oct.	54.89	101.21	0	156.10
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	170.84	172.21	3.02	346.07
Note: Rice includes unmilled Paddy.					
Source: www.fciweb.nic.in.					

6.07 STATE-WISE STOCKS OF RICE AND WHEAT IN CENTRAL POOL AS ON 01-1-2015									
(lakh tonnes)									
State/ Zone	Stock with								
	FCI			State agencies			Total Central Pool		
	Rice	Wheat	Total	Rice	Wheat	Total	Rice	Wheat	Total
Bihar	1.22	2.05	3.27	-	-	-	1.22	2.05	3.27
Jharkhand	0.97	-	0.97	-	-	-	0.97	-	0.97
Odisha	1.09	2.02	3.11	-	-	-	1.09	2.02	3.11
West Bengal	0.46	4.19	4.65	2.99	-	2.99	3.45	4.19	7.64
East Zone	3.74	8.26	12.00	2.99	-	2.99	6.73	8.26	14.99
Assam	1.35	0.54	1.89	-	-	-	1.35	0.54	1.89
Arunachal Pradesh	0.07	0.01	0.08	-	-	-	0.07	0.01	0.08
Tripura	0.31	0.02	0.33	-	-	-	0.31	0.02	0.33
Mizoram	0.24	0.01	0.25	-	-	-	0.24	0.01	0.25
Meghalaya	0.30	0.05	0.35	-	-	-	0.30	0.05	0.35
Manipur	0.25	0.01	0.26	-	-	-	0.25	0.01	0.26
Nagaland	0.27	-	0.27	-	-	-	0.27	-	0.27
North East States	2.79	0.64	3.43	-	-	-	2.79	0.64	3.43
Delhi	0.07	1.60	1.67	-	-	-	0.07	1.60	1.67
Haryana	5.12	28.97	34.09	-	13.69	13.69	5.12	42.66	47.78
Himachal Pradesh	0.05	0.17	0.22	-	-	-	0.05	0.17	0.22
Jammu & Kashmir	0.92	0.53	1.45	-	-	-	0.92	0.53	1.45
Punjab	33.86	24.70	58.56	-	70.67	70.67	33.86	95.37	129.23
Rajasthan	0.21	17.67	17.88	-	0.06	0.06	0.21	17.73	17.94
Uttar Pradesh	8.38	16.58	24.96	-	-	-	8.38	16.58	24.96
Uttarakhand	0.53	0.56	1.09	0.73	-	0.73	1.26	0.56	1.82
North Zone	49.14	90.78	139.92	0.73	84.42	85.15	49.87	175.20	225.07
Andhra Pradesh	4.92	0.73	5.65	0.93	-	0.93	5.85	0.73	6.58
Karnataka	3.41	2.07	5.48	-	-	-	3.41	2.07	5.48
Kerala	2.33	0.54	2.87	0.40	-	0.40	2.73	0.54	3.27
Tamil Nadu	4.64	2.28	6.92	4.17	-	4.17	8.81	2.28	11.09
Telangana	5.59	0.50	6.09	8.16	-	8.16	13.75	0.50	14.25
South Zone	20.89	6.12	27.01	13.66	-	13.66	34.55	6.12	40.67
Gujarat	0.88	5.15	6.03	-	-	-	0.88	5.15	6.03
Maharashtra	5.70	7.49	13.19	-	-	-	5.70	7.49	13.19
Madhya Pradesh	0.11	1.93	2.04	2.10	43.09	45.19	2.21	45.02	47.23
Chhattisgarh	3.12	0.32	3.44	7.19	-	7.19	10.31	0.32	10.63
West Zone	9.81	14.89	24.70	9.29	43.09	52.38	19.10	57.98	77.08
Total	86.37	120.69	207.06	26.67	127.51	154.18	113.04	248.20	361.24
Wheat Lying In Mandies	-	-	-	-	0.12	0.12	-	0.12	0.12
Stocks in transit	4.39	2.81	7.20	-	-	-	4.39	2.81	7.20
All India (Total)	90.76	123.50	214.26	26.67	127.63	154.30	117.43	251.13	368.56

Note: Rice does not include unmilled Paddy.
Source: Annual Report 2014-15, 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)	
	31-3-2014	31-3-2015	31-3-2014	31-3-2015	31-3-2014	31-3-2015	31-3-2014	31-3-2015
A & N Islands	1	1	-	-	3	3	-	-
Andhra Pradesh	46	28	141	155	1,552	1,133	1,826	2,159
Assam	6	6	45	42	75	76	252	250
Bihar	17	16	36	37	121	120	285	298
Chhattisgarh	12	12	125	123	292	289	1,403	1,603
Delhi	10	10	-	-	147	147	-	-
Goa	2	2	-	-	30	30	-	-
Gujarat	29	29	61	45	750	750	355	155
Haryana	28	28	109	109	537	534	1,704	1,604
Himachal Pradesh	3	3	-	-	10	10	-	-
Jharkhand	3	3	-	-	37	37	-	-
Karnataka	32	32	133	136	524	482	1,632	1,410
Kerala	13	13	57	56	162	162	199	195
Madhya Pradesh	26	26	275	285	563	557	5,429	5,804
Maharashtra	42	41	184	188	1,437	1,430	1,581	1,738
Meghalaya	-	-	6	6	-	-	16	16
Nagaland	1	1	-	-	13	13	-	-
Odisha	23	21	63	63	354	345	487	490
Punjab	25	25	117	117	746	736	6,262	5,557
Rajasthan	31	30	90	91	528	522	1,127	1,100
Tamil Nadu	26	26	58	56	665	670	702	672
Telangana	-	18	-	-	-	1,542	-	-
Tripura	3	3	-	-	41	44	-	-
Uttarakhand	7	7	-	-	78	78	-	-
Uttar Pradesh	48	48	159	160	1,152	1,130	3,220	3,828
West Bengal	35	33	30	30	658	635	216	216
UTs	2	2	-	-	19	19	-	-
All India	471	464	1,689	1,699	10,494	11,494	26,696	27,095

Source : Central Warehousing Corporation, New Delhi.

7.02 STORAGE ACCOMMODATION AVAILABLE WITH THE FOOD CORPORATION OF INDIA - STATE-WISE								
('000 tonnes)								
State / UT	31-3-2014				31-3-2015			
	Covered			C.A.P.	Covered			C.A.P.
	Owned	Hired	Total		Owned	Hired	Total	
Andhra Pradesh	1,266	1,433	2,699	262	729	706	1,435	160
A & N Islands	7	-	7	-	7	-	7	-
Arunachal Pradesh	18	5	23	-	18	5	23	-
Assam	212	92	304	-	214	104	318	-
Bihar	366	248	614	100	366	237	603	100
Chandigarh	107	264	371	25	107	248	355	17
Chhattisgarh	512	353	865	1	512	333	845	1
Delhi	336	-	336	31	336	-	336	31
Goa	15	5	20	-	15	5	20	-
Gujarat	500	219	719	27	500	235	735	27
Haryana	768	2,924	3,692	333	768	3,642	4,410	333
Himachal Pradesh	19	16	35	-	19	29	48	-
Jammu & Kashmir	103	62	165	10	103	115	218	10
Jharkhand	67	107	174	5	67	152	219	5
Karnataka	381	358	739	136	381	334	715	136
Kerala	519	5	524	21	529	5	534	21
Madhya Pradesh	337	95	432	36	337	116	453	36
Maharashtra	1,190	1,169	2,359	102	885	1,033	1,918	102
Manipur	28	4	32	-	28	4	32	-
Meghalaya	14	12	26	-	14	14	28	-
Mizoram	25	1	26	-	25	-	25	-
Nagaland	20	13	33	-	20	13	33	-
Odisha	302	283	585	-	312	249	561	-
Puducherry	44	27	71	6	44	43	87	6
Punjab	2,117	8,211	10,328	985	2,117	7,847	9,964	857
Rajasthan	706	1,475	2,181	293	706	1,393	2,099	185
Sikkim	10	1	11	-	10	1	11	-
Tamil Nadu	580	459	1,039	61	580	463	1,043	25
Telangana					537	240	777	102
Tripura	33	9	42	-	29	8	37	-
Uttarakhand	66	120	186	21	66	101	167	21
Uttar Pradesh	1,495	2,692	4,187	519	1,495	2,413	3,908	519
West Bengal	840	200	1,040	51	840	114	954	51
Total	13,003	20,862	33,865	3,025	12,716	20,202	32,918	2,745

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									
	31.3.2006	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
FCI										
I. Covered										
(a) Owned	12,931.00	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
(b) Hired from										
(i) State Govt.	618.00	492.00	509.00	546.00	628.00	618.00	585.00	621.00	588.00	371.00
(ii) Private	883.00	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 *
(iii) C.W.C.	1,436.00	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
(iv) S.W.C.	6,968.00	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
Total (b)	9,905.00	9,342.00	8,713.00	10,124.00	12,890.00	15,459.00	17,213.00	20,995.00	20,862.00	20,202.00
Total I (a+b)	22,836.00	22,283.00	21,661.00	23,091.00	25,859.00	28,450.00	30,216.00	33,991.00	33,865.00	32,918.00
II. C.A.P.										
(a) Owned	2,211.00	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
(b) Hired	509.00	632.00	27.00	15.00	469.00	544.00	751.00	1,107.00	387.00	143.00
Total (II)	2,720.00	2,924.00	2,233.00	2,188.00	2,977.00	3,160.00	3,388.00	3,744.00	3,025.00	2,745.00
Grand Total(I+II)	25,556.00	25,207.00	23,894.00	25,279.00	28,836.00	31,610.00	33,604.00	37,735.00	36,890.00	35,663.00
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.										

7.04 STATE-WISE COOPERATIVE GODOWNS							
(As on 31.3.2015)							
Sl. No.	Name of the State/ UTs/Others	Programme sanctioned			Programme completed		
		Number		Capacity	Number		Capacity
		Rural	Marketing	(tonnes)	Rural	Marketing	(tonnes)
1	Andhra Pradesh	4,278	1,018	821,254	4,010	899	717,610
2	Arunachal Pradesh	5	13	5,750	5	7	3,250
3	Assam	1,053	287	367,510	770	265	299,550
4	Bihar	2,974	579	650,550	2,455	496	557,600
5	Chhattisgarh	80	132	464,300	78	121	350,300
6	Delhi	-	1	1,000	-	-	-
7	Gujarat	1,968	530	766,998	1,841	456	617,472
8	Haryana	1,589	510	1,356,799	1,454	433	977,433
9	Himachal Pradesh	1,739	222	215,265	1,644	210	205,815
10	Jammu & Kashmir	170	72	39,600	133	45	23,200
11	Jharkhand	139	-	13,900	139	-	13,900
12	Karnataka	5,907	1,091	1,297,464	5,169	957	1,135,833
13	Kerala	2,422	170	397,384	2,097	145	352,175
14	Madhya Pradesh	6,541	1,213	1,731,948	5,185	1,111	1,387,078
15	Maharashtra	4,481	1,790	2,488,222	3,858	1,528	2,246,290
16	Manipur	241	22	37,880	158	18	26,130
17	Meghalaya	108	74	45,750	90	59	35,500
18	Mizoram	124	10	14,266	119	9	13,166
19	Nagaland	154	14	18,300	116	14	16,400
20	Odisha	2,286	679	548,680	1,951	595	486,780
21	Punjab	4,647	875	2,182,301	3,887	830	1,987,690
22	Rajasthan	5,141	476	666,170	4,772	395	558,970
23	Tripura	249	24	31,835	186	19	24,185
24	Tamil Nadu	4,807	606	1,068,248	4,759	411	983,728
25	Uttar Pradesh	9,536	899	2,336,630	9,285	794	2,056,400
26	West Bengal	3,688	612	631,860	2,836	473	485,260
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
Total		64,398	11,994	18,383,414	57,057	10,347	15,711,615

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 2014-15**

(Quantity in '000 tonnes)

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 %)

Source : Central Warehousing Corporation , New Delhi. () = percentage share to total

7.06 REGION-WISE, COMMODITY-WISE AVERAGE GROSS UTILISATION OF CWC WAREHOUSES-2014-15

(Quantity in tonnes)

Region	Foodgrains	Fertilisers	Others	Total
				(All commodities)
Ahmedabad	242,770	319	286,603	529,692
Bengaluru	157,491	35,267	170,780	363,538
Bhopal	343,055	2,553	59,226	404,834
Bhubaneshwar	295,961	3,838	7,427	307,226
Chandigarh	636,052	1,086	79,946	717,084
Chennai	356,605	5,060	151,761	513,426
Delhi	-	-	398,477	398,477
Guwahati	52,062	2,450	49,366	103,878
Hyderabad	696,305	31,074	741,408	1,468,787
Jaipur	389,214	13,173	155,594	557,981
Kochi	10,235	7,525	90,769	108,529
Kolkata	144,914	35,087	320,745	500,746
Lucknow	575,142	50	116,024	691,216
Mumbai	293,364	11,218	204,957	509,539
Navi Mumbai	-	-	551,847	551,847
Panchkula	436,789	3,333	30,717	470,839
Patna	106,408	1,947	29,285	137,640
Raipur	163,243	-	40,919	204,162
Total	4,899,610	153,980	3,485,851	8,539,441

Source : Central Warehousing Corporation , New Delhi.

7.07 RATE OF WAREHOUSING CHARGE (STORAGE CHARGE) OF CWC 1960-61 to 2014-15		
(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

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)													
Crop	1980-81	1990-91	1995-96	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
Paddy (common)	105	205	360	620 ⁶	745 ¹¹ /850 ⁴	900 ¹²	1000 ¹²	1000	1080	1250	1310	1360	1410
Paddy (fine)		215	375	-									
Paddy (S. fine)		225	395	-									
Paddy (Grade `A')		-	-	650 ⁹	775 ¹¹ /880 ⁴	930 ¹²	1030 ¹²	1030	1110	1280	1345	1400	1450
Jowar Hybrid	105	180	300	540	600	840	840	880	980	1500	1500	1530	1570
Maldandi				555	620	860	860	900	1000	1520	1520	1550	1590
Bajra	105	180	300	540	600	840	840	880	980	1175	1250	1250	1275
Maize	105	180	310	540	620	840	840	880	980	1175	1310	1310	1325
Ragi	105	180	300	540	600	915	915	965	1050	1500	1500	1550	1650
Wheat	130	225	380	750 ¹¹	1000	1080	1100	1170 ⁸	1285	1350	1400	1450	1525
Barley	105	200	295	565	650	680	750	780	980	980	1100	1150	1225
Tur (Arhar)	190	480	800	1410	1590 ¹⁰	2000	2300	3500 ¹³	3700 ¹³	3850	4300	4350	4625 ¹⁴
Moong	200	480	800	1520	1740 ¹⁰	2520	2760	3670 ¹³	4000 ¹³	4400	4500	4600	4850 ¹⁴
Urad	200	480	800	1520	1740 ¹⁰	2520	2520	2900 ¹³	3800 ¹³	4300	4300	4350	4625 ¹⁴
Gram	NA	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	206	580	900	1520	1550	2100	2100	2300	2700	3700	4000	4000	4030
Soybean Black	183	350	600	900	910	1350	1350	1400	1650	2200	2500	2500	
Yellow	198	400	680	1020	1050	1390	1390	1440	1690	2240	2560	2560	2600*
Sunflower seed	183	600	950	1500	1510	2215	2215	2350	2800	3700	3700	3750	3800
Rapeseed/Mustard	NA	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	304	620	1150	1770 ¹	1800 ¹	2500 ⁷	2500 ⁷	2500 ⁷	2800 ⁷	3600 ⁷	3700 ⁷	3750 ⁷	3800 ⁷
- H-4	NA	750	1350	1990 ²	2030 ²	3000 ⁹	3000 ⁹	3000 ⁹	3300 ⁹	3900 ⁹	4000 ⁹	4050 ⁹	4100 ⁹
Jute	160	320	490	1000	1055	1250	1375	1575	1675	2200	2300	2400	2700
Sugarcane ⁵	13.00	23.00	42.50	80.25	81.18	81.18	129.84	139.12	145.00	170.00	210	220	230
Copra - Milling		1600.00	2500	3590	3620	3660	4450	4450	4525	5100	5250	5250	5550
- Ball			2725	3840	3870	3910	4700	4700	4775	5350	5500	5500	5830
De-husked coconut						988	1200	1200	1200	1400	1425	1425	1500
Tobacco VFC (Rs./kg)													
Black soil F2 Grade	7.75	13.25	19.00	32.00	32.00								
Light soil L2 Grade	8.25	14.25	21.50	34.00	34.00								
Sesamum				1560	1580	2750	2850	2900	3400	4200	4500	4600	4700
Nigerseed				1220	1240	2405	2405	2450	2900	3500	3500	3600	3650

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 = Includes bonus of Rs. 200 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 - 2012-13							(Rs./hectare)
Item	Paddy						
	AP	Tamil Nadu	U.P.	Punjab	M.P.	West Bengal	
I Operational Cost	42,329.03	50,220.87	28,532.37	30,685.46	22,523.66	41,605.26	
Human Labour	22,664.37	22,361.70	13,576.60	13,320.81	8,964.56	26,644.53	
Animal Labour	650.17	289.92	1,447.76	45.83	2,093.62	2,401.72	
Machine Labour	7,113.78	9,167.01	3,334.18	5,098.44	3,711.83	2,355.23	
Seed	1,602.79	5,527.64	2,568.18	1,509.04	1,888.93	1,641.73	
Fertilisers and Manure	6,345.20	8,728.83	3,771.20	4,129.84	4,602.37	5,115.97	
Fertilisers	5,610.63	6,650.15	3,697.73	3,739.91	3,423.41	4,066.65	
Manure	734.57	2,078.68	73.47	389.93	1,178.96	1,049.32	
Insecticides	1,774.04	1,209.09	265.66	3,159.29	700.35	567.24	
Irrigation charges	1,027.43	1,599.03	2,953.58	2,638.32	29.51	2,006.76	
Interest on working capital	1,096.25	1,275.47	615.19	773.64	506.01	848.54	
Miscellaneous	55.00	62.18	0.02	10.25	26.48	23.54	
II Fixed Cost	25,820.66	15,770.15	15,035.49	34,057.78	13,942.42	14,377.53	
Rental Value of owned land	24,182.30	10,208.83	10,940.91	24,826.00	11,700.27	11,785.82	
Rent paid for leased in land	167.32	556.78	204.06	6,166.85	-	435.78	
Land revenue, cesses & taxes	3.10	6.92	4.94	-	2.94	48.32	
Depreciation on implements & farm buildings	170.41	372.48	695.61	251.65	575.49	680.87	
Interest on fixed capital	1,297.53	4,625.14	3,189.97	2,813.28	1,663.72	1,426.74	
Total I+II	68,149.69	65,991.02	43,567.86	64,743.24	36,466.08	55,982.79	
III (a) Yield and value							
1) Yield per hectare (Quintals)	56.96	48.95	40.99	67.97	32.19	39.50	
2) Value of the main- product per hectare (Rs.)	76,980.27	73,099.79	48,464.60	91,038.93	43,068.62	42,662.78	
3) Value of the by-product per hectare (Rs.)	4,057.43	5,341.96	2,111.35	751.54	3,732.47	6,235.42	
III (b) Material and Labour Inputs Per Hectare							
1) Seeds (Kgs)	76.61	-	-	-	63.76	64.72	
2) Fertilisers (Kgs.of Nutrients)	203.66	247.97	151.86	220.62	124.48	140.92	
3) Manure (Quintals)	17.64	34.43	1.66	26.17	11.27	22.15	
4) Human Labour (Man-hours)	623.67	637.12	734.75	380.80	500.82	1,115.64	
5) Animal Labour (Pair-hours)	8.49	4.10	13.33	0.62	33.75	62.65	
(Continued)							

8.03 COST OF CULTIVATION OF PRINCIPAL CROPS - 2012-13 (Continued)							(Rs./hectare)
Item	Wheat					Jowar	
	Punjab	Rajasthan	MP	UP	Bihar	AP	
I Operational Cost	22,032.69	29,256.81	20,620.67	26,527.78	21,315.03	21,543.52	
Human Labour	4,829.55	13,143.39	6,398.93	8,361.49	7,041.31	10,824.62	
Animal Labour	78.41	293.33	368.12	578.90	781.79	3,350.22	
Machine Labour	7,349.47	4,999.11	5,285.80	5,910.20	4,159.07	2,503.29	
Seed	1,869.43	2,868.27	2,281.43	2,664.45	2,525.71	511.32	
Fertilisers and Manure	5,254.22	3,517.75	2,844.75	4,394.49	3,545.64	2,568.97	
Fertilisers	5,246.99	3,112.77	2,823.91	4,392.54	3,476.23	2,252.71	
Manure	7.23	404.98	20.84	1.95	69.41	316.26	
Insecticides	1,624.12	56.20	6.22	152.45	-	474.31	
Irrigation charges	378.23	3,801.82	2,949.36	3,822.14	2,729.09	820.24	
Interest on working capital	598.19	576.94	485.72	642.50	532.42	488.34	
Miscellaneous	51.07	-	0.34	1.16	-	2.21	
II Fixed Cost	27,037.69	17,312.29	16,499.27	17,170.57	8,268.64	10,640.37	
Rental Value of owned land	19,114.15	12,066.05	13,853.93	13,059.42	6,463.05	9,165.95	
Rent paid for leased in land	4,189.43	704.12	-	890.10	-	-	
Land revenue, cesses & taxes	-	10.62	5.20	21.04	25.18	0.43	
Depreciation on implements & farm buildings	337.23	374.07	347.36	623.18	352.70	351.85	
Interest on fixed capital	3,396.88	4,157.43	2,292.78	2,576.83	1,427.71	1,122.14	
Total I+II	49,070.38	46,569.10	37,119.94	43,698.35	29,583.67	32,183.89	
III (a) Yield and value							
1) Yield per hectare (Quintals)	45.89	41.57	33.42	34.43	26.64	19.56	
2) Value of the main- product per hectare (Rs.)	61,942.93	60,773.92	47,786.27	44,596.63	33,374.22	26,355.38	
3) Value of the by-product per hectare (Rs.)	6,149.12	13,702.09	7,629.44	9,629.80	9,620.63	4,197.80	
III (b) Material and Labour Inputs Per Hectare							
1) Seeds (Kgs)	106.38	151.39	115.52	147.02	111.05	14.52	
2) Fertilisers (Kgs. of Nutrients)	239.97	120.11	107.54	167.88	125.04	77.05	
3) Manure (Quintals)	0.46	7.30	0.24	0.04	1.41	19.92	
4) Human Labour (Man-hours)	133.08	478.13	286.74	402.78	381.60	398.11	
5) Animal Labour (Pair-hours)	0.85	4.60	7.18	7.45	21.11	49.31	

(Continued)

8.03 COST OF CULTIVATION OF PRINCIPAL CROPS - 2012-13 (Continued)						
(Rs./hectare)						
Item	Jowar	Bajra		Maize		
	Maharashtra	Gujarat	Maharashtra	A. P.	Bihar	Rajasthan
I Operational Cost	25,284.16	24,437.49	21,481.03	33,791.61	22,071.08	28,802.31
Human Labour	12,051.52	11,902.61	10,742.22	15,823.69	9,484.96	18,474.99
Animal Labour	5,405.03	1,150.67	2,984.85	1,574.09	48.41	1,785.45
Machine Labour	2,608.17	3,690.86	3,448.13	4,343.18	3,048.47	3,644.82
Seed	600.28	1,625.70	748.49	2,900.83	2,313.00	1,605.17
Fertilisers and Manure	2,694.13	3,049.40	2,551.93	6,829.50	3,919.17	2,569.96
Fertilisers	1,474.25	2,439.45	2,551.93	5,200.37	3,797.42	2,238.12
Manure	1,219.88	609.95	-	1,629.13	121.75	331.84
Insecticides	18.31	23.68	-	907.79	93.64	1.82
Irrigation charges	1,192.41	2,423.38	464.25	503.73	2,614.88	353.90
Interest on working capital	633.71	571.19	541.16	869.25	548.55	366.20
Miscellaneous	80.60	-	-	39.55	-	-
II Fixed Cost	10,453.52	9,949.67	9,305.42	20,826.66	7,201.34	8,206.38
Rental Value of owned land	4,346.57	7,619.97	4,797.59	17,607.69	5,968.65	5,906.53
Rent paid for leased in land	56.56	640.77	-	994.05	-	278.30
Land revenue, cesses & taxes	19.74	3.86	20.96	0.77	23.13	7.15
Depreciation on implements & farm buildings	724.68	122.67	476.40	203.75	221.72	351.90
Interest on fixed capital	5,305.97	1,562.40	4,010.47	2,020.40	987.84	1,662.50
Total I+II	35,737.68	34,387.16	30,786.45	54,618.27	29,272.42	37,008.69
III (a) Yield and value						
1) Yield per hectare (Quintals)	9.02	25.57	16.41	47.66	32.03	23.46
2) Value of the main- product per hectare (Rs.)	16,390.41	35,706.83	21,598.99	59,193.88	34,810.05	29,213.44
3) Value of the by-product per hectare (Rs.)	9,817.53	14,396.33	7,180.79	2,997.29	6,030.84	6,908.71
III (b) Material and Labour Inputs Per Hectare						
1) Seeds (Kgs)	13.13	7.72	3.70	20.91	21.62	29.25
2) Fertilisers (Kgs. of Nutrients)	54.36	111.27	96.28	192.54	132.84	107.21
3) Manure (Quintals)	9.91	12.46	-	28.14	2.18	4.66
4) Human Labour (Man-hours)	531.22	574.23	485.65	473.99	569.58	763.04
5) Animal Labour (Pair-hours)	68.19	13.60	42.69	26.36	0.81	30.52
(Continued)						

8.03 COST OF CULTIVATION OF PRINCIPAL CROPS - 2012-13 (Continued)							(Rs./hectare)
Item	Tur (Arhar)			Groundnut		Cotton	
	U.P.	Karnataka	Gujarat	A.P.	Gujarat	Haryana	
I Operational Cost	17,209.12	19,264.63	19,059.01	48,641.13	37,393.85	43,367.47	
Human Labour	11,565.25	8,991.61	7,968.57	24,366.46	11,489.20	25,786.12	
Animal Labour	678.29	2,353.58	3,829.23	1,754.69	3,105.29	1,157.23	
Machine Labour	2,157.98	1,893.85	2,119.89	3,159.47	3,557.79	3,381.86	
Seed	1,202.87	838.82	784.17	11,062.46	10,691.68	4,522.28	
Fertilisers and Manure	87.73	2,140.12	2,615.14	5,129.75	5,449.57	2,674.63	
Fertilisers	79.11	1,854.12	1,664.83	3,448.89	2,481.69	2,674.63	
Manure	8.62	286.00	950.31	1,680.86	2,967.88	-	
Insecticides	-	2,505.52	585.25	600.06	659.62	1,440.51	
Irrigation charges	1,268.26	63.60	683.30	1,323.91	1,507.17	3,693.83	
Interest on working capital	248.74	477.53	459.27	1,242.41	930.01	691.11	
Miscellaneous	-	-	14.19	1.92	3.52	19.90	
II Fixed Cost	25,291.41	8,861.02	6,372.36	33,054.14	10,620.80	23,762.08	
Rental Value of owned land	12,212.66	7,430.79	4,277.65	30,159.27	7,591.90	20,205.15	
Rent paid for leased in land	6,754.13	-	118.09	-	506.23	-	
Land revenue, cesses & taxes	13.76	9.53	27.54	1.00	5.64	-	
Depreciation on implements & farm buildings	1,347.93	219.60	319.29	361.05	234.03	431.12	
Interest on fixed capital	4,962.93	1,201.10	1,629.79	2,532.82	2,283.00	3,125.81	
Total I+II	42,500.53	28,125.65	25,431.37	81,695.27	48,014.65	67,129.55	
III (a) Yield and value							
1) Yield per hectare (Quintals)	8.78	8.76	6.35	21.20	8.24	16.87	
2) Value of the main- product per hectare (Rs.)	34,732.43	33,660.91	24,528.09	95,632.41	40,946.69	70,378.23	
3) Value of the by-product per hectare (Rs.)	6,496.80	1,232.62	1,657.73	4,898.50	7,405.71	3,425.69	
III (b) Material and Labour Inputs Per Hectare							
1) Seeds (Kgs)	16.59	13.70	9.82	119.11	128.30	2.05	
2) Fertilisers (Kgs. of Nutrients)	4.60	58.98	71.02	119.07	89.75	127.56	
3) Manure (Quintals)	0.17	3.03	20.17	30.74	33.53	-	
4) Human Labour (Man-hours)	567.69	403.01	582.44	752.99	496.96	652.29	
5) Animal Labour (Pair-hours)	7.45	45.59	69.49	35.09	41.98	9.17	
(Continued)							

8.03 COST OF CULTIVATION OF PRINCIPAL CROPS - 2012-13 (Concluded)						
(Rs./hectare)						
Item	Cotton		Sugarcane			
	AP	Gujarat	A. P.	Uttar Pradesh	Maharashtra	Tamilnadu
I Operational Cost	49,164.10	40,688.94	45,402.16	49,843.80	112,826.90	123,142.05
Human Labour	26,311.08	19,028.98	27,357.84	26,214.59	46,279.07	87,397.48
Animal Labour	2,959.68	2,255.91	2,206.40	1,582.55	7,317.71	772.07
Machine Labour	2,806.04	3,488.24	692.58	1,459.38	17,881.88	1,804.48
Seed	4,120.46	3,456.53	946.32	7,610.76	6,141.22	9,068.43
Fertilisers and Manure	8,458.47	7,009.96	7,157.07	4,317.99	19,320.80	13,532.81
Fertilisers	7,338.36	3,735.67	6,963.07	3,810.88	17,372.80	10,457.70
Manure	1,120.11	3,274.29	194.00	507.11	1,948.00	3,075.11
Insecticides	3,134.40	1,594.90	2,524.68	537.83	507.95	399.79
Irrigation charges	92.93	2,907.67	2,071.27	5,962.80	9,506.41	3,981.81
Interest on working capital	1,276.06	946.75	2,446.00	2,157.90	5,871.86	6,184.73
Miscellaneous	4.98	-	-	-	-	0.45
II Fixed Cost	21,445.41	14,080.51	46,442.01	38,806.50	53,135.50	34,457.75
Rental Value of owned land	17,272.16	8,546.31	27,738.85	32,156.97	43,508.55	26,631.87
Rent paid for leased in land	1,544.46	873.00	15,748.42	161.31	-	9.20
Land revenue, cesses & taxes	0.57	11.66	2.92	22.63	212.58	13.46
Depreciation on implements & farm buildings	239.10	299.79	169.20	1,020.16	902.05	678.06
Interest on fixed capital	2,389.12	4,349.75	2,782.62	5,445.43	8,512.32	7,125.16
Total I+II	70,609.51	54,769.45	91,844.17	88,650.30	165,962.40	157,599.80
III (a) Yield and value						
1) Yield per hectare (Quintals)	17.27	12.37	571.81	536.28	1,046.62	1,038.07
2) Value of the main- product per hectare (Rs.)	63,713.95	54,675.60	131,833.90	145,359.80	249,685.70	233,622.00
3) Value of the by-product per hectare (Rs.)	7.54	1,036.71	-	6,518.08	11,313.45	3,549.42
III (b) Material and Labour Inputs Per Hectare						
1) Seeds (Kgs)	1.87	1.77	4.16	31.23	26.40	41.56
2) Fertilisers (Kgs. of Nutrients)	255.44	158.10	280.63	204.46	682.20	479.52
3) Manure (Quintals)	32.35	43.47	4.64	11.99	17.52	44.55
4) Human Labour (Man-hours)	761.38	900.84	836.88	1,321.02	1,850.09	2,163.97
5) Animal Labour (Pair-hours)	51.81	30.10	21.80	20.41	69.82	17.49
Source :Reports of the Commission for Agricultural Costs and Prices 2015-16, 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	
	Total Foodgrains	1883215	53.7	
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	
Total Agricultural Crops		3505930	100.0	
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 - 2006-07 to 2014-15									
(Rs. in crore)									
Agency	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15 (P)
Cooperative Banks	42,480	48,258	45,966	63,497	78,121	87,963	111,203	119,964	138,469
RRBs	20,435	25,312	26,765	35,217	44,293	54,450	63,681	82,652	102,483
Commercial Banks	166,485	181,088	228,951	285,800	345,877	368,616	432,491	509,005	599,691
Other Agencies	-	-	226	-	-	-	-	-	-
Grand Total	229,400	254,658	301,908	384,514	468,291	511,029	607,375	711,621	840,643
(P) = Provisional.									
1 Crore = 10 Million									
Source : 1. <i>Agricultural Statistics at a Glance 2014</i> , Directorate of Economics & Statistics, Department of Agriculture & Cooperation, Ministry of Agriculture & Farmers Welfare, GOI, New Delhi.									
2. <i>Annual Report- 2014-15</i> , National Bank for Agriculture and Rural Development, Mumbai.									

**9.02 STATE-WISE FLOW OF GROUND LEVEL CREDIT (GLC)
FOR AGRICULTURE AND ALLIED ACITIVITIES
2007-08 to 2011-12**

(Rs. Crore)

S. 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	-	-	-	-	-
	Total	253,966	301,143	384,051	468,156	142,413
	RIDF Contributed by CBs	691	765	463	136	
	Other Bonds					
	Private Sector CB					
	Other Agencies					
	Commercial Banks *					368,616
	Grand Total	254,658	301,908	384,514	468,291	511,029
	RIDF = Rural Infrastructure Development Fund					* = Breakup of commercial banks is not available
	Source: NABARD, Mumbai.					

9.03 NATIONAL AGRICULTURAL INSURANCE SCHEME: TRENDS IN AREA, SUM INSURED, PREMIUM AND CLAIMS (Rabi 1999-2000 to Kharif 2014)								
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	579,940	780,569	35,641	542	166	769	55,288
2000-01	Kharif	8,409,374	13,219,829	690,338	20,674	4,740	122,248	3,635,252
	Rabi	2,091,733	3,111,423	160,268	2,779	824	5,949	526,697
	Total	10,501,107	16,331,252	850,607	23,452	5,563	128,197	4,161,949
2001-02	Kharif	8,696,587	12,887,710	750,246	26,162	4,762	49,364	1,741,906
	Rabi	1,955,431	3,145,873	149,751	3,015	778	6,466	453,325
	Total	10,652,018	16,033,583	899,997	29,177	5,540	55,829	2,195,231
2002-03	Kharif	9,768,711	15,532,349	943,169	32,547	4,486	182,439	4,297,155
	Rabi	2,326,811	4,037,824	183,755	3,850	673	18,855	926,408
	Total	12,095,522	19,570,173	1,126,924	36,397	5,159	201,294	5,223,563
2003-04	Kharif	7,970,830	12,355,514	811,413	28,333	2,445	65,268	1,712,270
	Rabi	4,421,287	6,468,663	304,949	6,406	624	49,706	2,098,125
	Total	12,392,117	18,824,177	1,116,362	34,739	3,069	114,974	3,810,395
2004-05	Kharif	12,687,104	24,273,394	1,317,061	45,894	2,009	103,817	2,674,743
	Rabi	3,531,045	5,343,244	377,421	7,585	412	16,059	772,779
	Total	16,218,149	29,616,638	1,694,482	53,480	2,422	119,875	3,447,522
2005-06	Kharif	12,673,833	20,531,038	1,351,910	44,995	2,044	108,645	2,686,390
	Rabi	4,048,524	7,218,417	507,166	10,482	523	33,830	980,748
	Total	16,722,357	27,749,455	1,859,076	55,477	2,567	142,475	3,667,138
2006-07	Kharif	12,934,060	19,672,280	1,475,936	46,729	2,655	177,622	3,131,511
	Rabi	4,977,980	7,632,882	654,221	14,288	1,138	51,597	1,391,554
	Total	17,912,040	27,305,162	2,130,158	61,017	3,793	229,219	4,523,065
2007-08	Kharif	13,398,822	20,754,747	1,700,796	52,432	2,666	91,536	1,591,863
	Rabi	5,044,016	7,387,156	746,664	15,871	1,800	81,018	1,578,668
	Total	18,442,838	28,141,903	2,447,461	68,303	4,466	172,554	3,170,531
2008-09	Kharif	12,992,272	17,636,187	1,566,607	51,194	3,372	237,780	4,218,975
	Rabi	6,210,648	8,857,836	1,114,871	29,572	7,240	150,982	1,979,695
	Total	19,202,920	26,494,023	2,681,478	80,766	10,612	388,762	6,198,670
2009-10	Kharif	18,253,072	25,769,817	2,761,671	86,285	5,713	453,745	7,970,618
	Rabi	5,681,148	7,899,761	1,100,750	29,170	7,496	58,728	1,042,753
	Total	23,934,220	33,669,578	3,862,421	115,455	13,208	512,473	9,013,371
2010-11	Kharif	12,682,319	17,108,911	2,371,107	72,179	4,541	164,121	2,252,617
	Rabi	4,967,878	6,938,628	1,101,055	29,817	9,418	65,794	1,137,305
	Total	17,650,197	24,047,539	3,472,162	101,996	13,959	229,915	3,389,922
2011-12	Kharif	11,554,561	15,776,489	2,348,710	71,435	5,231	166,541	1,844,470
	Rabi	5,239,299	7,609,277	1,128,394	25,768	6,320	54,120	1,251,385
	Total	16,793,860	23,385,766	3,477,104	97,203	11,551	220,661	3,095,855
2012-13	Kharif	10,649,354	15,693,700	2,719,906	87,874	10,863	278,572	1,810,161
	Rabi	6,141,677	8,691,157	1,570,873	44,770	4,684	191,484	802,946
	Total	16,791,031	24,384,857	4,290,779	132,644	15,547	470,056	2,613,107
2013-14	Kharif	9,722,158	14,266,028	2,892,425	97,537	15,624	299,806	2,669,002
	Rabi	1,532,784	1,717,312	461,453	15,636	7,011	1,629	69,901
	Total	11,254,942	15,983,340	3,353,878	113,173	22,635	301,435	2,738,903
2014-15	Kharif	7,729,333	6,785,416	1,492,021	51,936	3,925	-	-
	Rabi	-	-	-	-	-	-	-
	Total	7,729,333	6,785,416	1,492,021	51,936	3,925	-	-
	Kharif seasons Total	179,844,548	266,529,436	28,085,742	913,743	90,700	2,801,309	44,905,935
	Rabi seasons Total	58,750,201	86,840,022	9,597,233	239,552	49,106	786,985	15,067,577
	GRAND TOTAL	238,594,749	353,369,458	37,682,975	1,153,295	139,806	3,588,295	59,973,512

* = Total Premium = Farmers' premium + State Govt. & Gol premium. 1 Lakh = 100 thousand
Source: *Agricultural Statistics at a Glance 2014*, Directorate of Economics & Statistics, Ministry of Agriculture & Farmers Welfare, GOI.

9.04 PILOT WEATHER BASED CROP INSURANCE SCHEME (WBCIS): (Kharif 2007 to Kharif 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)
2007-08	Kharif	43,790	50,074	5,301	142	281	281	703	524	524	35,275
	Rabi	634,635	1,018,254	173,890	4,377	4,877	4,877	14,132	10,040	10,040	190,610
	Total	678,425	1,068,328	179,191	4,519	5,158	5,158	14,835	10,564	10,564	225,885
2008-09	Kharif	183,481	221,202	35,110	961	1,315	1,340	3,616	1,605	1,605	108,975
	Rabi	191,647	260,908	53,633	1,123	1,715	1,715	4,553	3,342	3,342	120,804
	Total	375,128	482,110	88,743	2,084	3,030	3,056	8,169	4,948	4,948	229,779
2009-10	Kharif	1,161,055	1,530,782	211,570	6,058	7,315	7,837	21,211	15,789	15,789	902,866
	Rabi	1,201,525	1,891,091	285,799	5,652	8,951	8,951	23,553	18,719	18,652	600,336
	Total	2,362,580	3,421,874	497,369	11,710	16,266	16,788	44,764	34,509	34,441	1,503,202
2010-11	Kharif	4,918,950	7,391,329	568,167	16,832	19,716	23,046	59,594	19,198	19,189	1,792,384
	Rabi	4,383,504	5,745,534	863,379	17,619	25,883	25,883	69,385	44,264	44,237	2,526,669
	Total	9,302,454	13,136,863	1,431,546	34,451	45,599	48,929	128,979	63,462	63,426	4,319,053
2011-12	Kharif	6,907,509	9,787,896	1,087,179	33,168	34,903	34,903	102,973	42,598	42,185	3,597,376
	Rabi	4,766,023	5,944,747	985,837	22,117	29,675	30,954	82,747	75,066	66,579	2,732,016
	Total	11,673,532	15,732,643	2,073,016	55,285	64,578	65,857	185,720	117,664	108,764	6,329,392
2012-13	Kharif	8,008,211	11,124,734	1,287,053	40,799	44,338	44,338	129,474	86,803	79,237	6,748,834
	Rabi	5,612,709	7,040,962	1,119,404	26,370	33,841	33,841	94,052	105,945	79,732	4,054,289
	Total	13,620,920	18,165,696	2,406,457	67,169	78,179	78,179	223,526	192,748	158,969	10,803,123
2013-14	Kharif	8,874,160	11,221,477	1,470,041	46,136	50,849	50,849	147,835	115,097	104,710	6,656,066
	Rabi	5,215,057	5,420,841	1,088,420	51,327	19,205	22,116	92,648	33,305	27,413	1,314,899
	Total	14,089,217	16,642,318	2,558,461	97,463	70,054	72,965	240,483	148,402	132,123	7,970,965
2014-15	Kharif	8,091,963	9,785,958	1,305,367	67,843	43,315	43,315	154,474	3,210	117	6,173
GRAND TOTAL		60,194,219	78,435,789	10,540,153	340,524	326,179	334,247	1,000,950	575,507	513,351	31,387,572
Source: <i>Agricultural Statistics at a Glance 2014</i> , Directorate of Economics & Statistics, Ministry of Agriculture & Farmers Welfare, GOI.											
9.05 PILOT MODIFIED NATIONAL AGRICULTURAL INSURANCE SCHEME (MNAIS): (Rabi 2010-11 to Kharif 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	358,421	323,734	69,364	2,376	1,176	1,180	4,732	1,615	1,615	46,879
	Total	358,421	323,734	69,364	2,376	1,176	1,180	4,732	1,615	1,615	46,879
2011-12	Kharif	458,157	665,653	134,588	5,013	3,552	3,614	12,178	9,610	9,610	100,201
	Rabi	754,991	707,395	201,011	6,783	4,505	5,234	16,521	8,421	8,318	122,764
	Total	1,213,148	1,373,049	335,598	11,795	8,057	8,847	28,699	18,031	17,928	222,965
2012-13	Kharif	2,062,516	2,239,297	489,693	22,033	17,199	17,199	56,431	62,145	61,948	602,353
	Rabi	946,319	742,138	207,774	7,504	5,652	5,782	18,938	5,262	2,346	111,697
	Total	3,008,835	2,981,435	697,467	29,537	22,851	22,981	75,369	67,407	64,294	714,050
2013-14	Kharif	2,361,874	2,277,984	589,222	25,498	19,239	19,271	64,009	58,303	45,046	401,251
	Rabi	2,737,708	3,049,636	586,410	16,940	7,272	7,257	31,484	28,453	28,399	409,289
	Total	5,099,582	5,327,620	1,175,632	42,438	26,511	26,528	95,493	86,756	73,445	810,540
2014-15	Kharif	5,597,706	6,894,732	868,379	31,843	28,124	28,955	88,922	-	-	-
GRAND TOTAL		15,277,692	16,900,570	3,146,440	117,989	86,720	88,491	293,215	173,808	157,282	1,794,434
Source: <i>Agricultural Statistics at a Glance 2014</i> , Directorate of Economics & Statistics, Ministry of Agriculture & Farmers Welfare, GOI.											

9.06 STATE-WISE NUMBER OF KISAN CREDIT CARDS ISSUED UPTO 31st MARCH 2014					
				(No.)	
Sl. No.	States/UTs	Cooperative Banks	Regional Rural Banks	Commercial Banks	Total
1	Andhra Pradesh	2,967,956	1,492,080	12,226,556	16,686,592
2	Arunachal Pradesh #	221	3,194	28,327	31,742
3	Assam	21,544	331,891	637,839	991,274
4	Bihar	661,639	1,123,603	2,512,033	4,297,275
5	Gujarat	1,464,068	246,828	1,913,446	3,624,342
6	Goa	6,194	-	14,854	21,048
7	Haryana	1,318,567	192,028	1,077,370	2,587,965
8	Himachal Pradesh	79,276	33,673	319,334	432,283
9	Jammu & Kashmir	29,147	13,946	26,401	69,494
10	Karnataka	2,117,709	767,873	3,340,405	6,225,987
11	Kerala	725,770	147,989	1,851,893	2,725,652
12	Madhya Pradesh	4,626,521	496,988	2,341,665	7,465,174
13	Maharashtra	4,589,383	252,795	4,266,307	9,108,485
14	Manipur #	77	3,284	33,212	36,573
15	Meghalaya #	22,029	13,082	70,047	105,158
16	Mizoram #	616	6,586	23,688	30,890
17	Nagaland #	2,071	860	36,465	39,396
18	Odisha	3,116,980	417,857	1,683,610	5,218,447
19	Punjab	968,717	100,938	1,677,144	2,746,799
20	Rajasthan	3,945,005	488,944	2,488,603	6,922,552
21	Sikkim # \$	6,118	-	10,963	17,081
22	Tamil Nadu	1,197,669	259,029	5,499,502	6,956,200
23	Tripura #	42,301	97,156	105,838	245,295
24	Uttar Pradesh	4,073,179	2,927,172	8,611,070	15,611,421
25	West Bengal	1,775,106	502,309	2,061,493	4,338,908
26	A & N Islands # \$	5,827	-	4,037	9,864
27	Chandigarh \$	-	-	9,294	9,294
28	Chhattisgarh	1,630,051	245,806	391,954	2,267,811
29	D & N Haveli @ \$	-	-	3,429	3,429
30	Daman & Diu # \$	-	-	1,790	1,790
31	Delhi # \$	289	-	28,688	28,977
32	Jharkhand	18,545	366,892	749,345	1,134,782
33	Lakshadweep @ \$	-	-	1,384	1,384
34	Puducherry #	5,785	929	81,819	88,533
35	Uttarakhand	347,107	45,615	431,516	824,238
36	Other States			47	47
	State-wise breakup not available			188,005	188,005
	Total	35,765,467	10,579,347	54,749,373	101,094,187

Note: # = State Cooperative Bank functions as Central Financial Agency.
 @ = Data pertaining to Comm. Banks received from RBI upto 31-03-2014
 \$ = No RRB in these States/ UTs.

Source: *Agricultural Statistics at a Glance 2014*, Directorate of Economics & Statistics, Ministry of Agriculture & Farmers Welfare, GOI.

10.00 SEEDS, TRACTORS AND ELECTRICITY CONSUMPTION

10.01 PRODUCTION / AVAILABILITY OF BREEDER, FOUNDATION AND PRODUCTION / AVAILABILITY OF CERTIFIED SEEDS							
(tonnes)							
Type of seeds	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15*
Breeder seed	9,441	10,683	11,921	12,338	11,020	8,229	9,849
Foundation seed	96,274	114,638	180,640	222,681	161,700	174,307	157,616
Certified/ Quality seed	2,503,500	2,797,200	3,213,592	3,536,200	3,285,800	34,73,130*	3,517,664
* = Indent.							
Source: <i>Annual Report- 2014-15</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	
Total	74,162	87,812	98,419	104,784	89,436	72,598	
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	246,469	17,481	331,020	14,446,461
2005-06	291,680	22,303	397,343	14,843,804
2006-07	352,827	24,791	524,773	15,368,577
2007-08	346,501	26,135	306,096	15,674,673
2008-09	347,010	35,331	288,803	15,963,476
2009-10	440,230	43,464	230,045	16,193,521
2010-11	545,128	51,514	974,110	17,167,631
2011-12	607,658	60,000	1,010,505	18,178,136
2012-13	590,672	47,000	681,729	18,859,865
2013-14	696,828	56,000		
2014-15	626,839	35000@		

* = Tractors sold in India and exported. ** = Power Tillers sold in India. @ = Upto November 2014.
Source: 1. Ministry of Agriculture & Farmers Welfare, GOI, New Delhi.
2. *Agricultural Research Data Book 2015*, ICAR, New Delhi.

10.04 CONSUMPTION OF ELECTRICITY FOR AGRICULTURAL PURPOSES -1990-91 to 2011-12			
Year	Consumption		
	Agricultural Purposes (Million KWh)	Total (Million KWh)	Per centage share to Total
1990-91	50,321	190,357	26.44
1995-96	85,732	277,029	30.95
2000-01	84,729	316,600	26.76
2001-02	81,673	322,459	25.33
2002-03	84,486	339,598	24.88
2003-04	87,089	360,937	24.13
2004-05	88,555	386,134	22.93
2005-06	90,292	411,887	21.92
2006-07	99,023	455,748	21.73
2007-08	104,182	501,977	20.75
2008-09	107,776	527,564	20.43
2009-10	119,492	569,618	20.98
2010-11	126,377	616,969	20.48
2011-12	140,960	672,933	20.95

KWh = Kilowatt hour.
Source: Central Electricity Authority, 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
Northern	44,400.95	193,678.70	22.93
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
Western	48,440.20	204,899.00	23.64
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
Southern	46,154.58	198,121.54	23.30
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	-
Eastern	1,891.58	69,305.50	2.73
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	-
North Eastern	73.10	6,928.51	1.06
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
Total (All-India)	140,960.42	672,933.25	20.95

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
I. Agriculture, forestry & fishing	1,505,580	1,523,470	1,579,290	1,582,851
1. Agriculture (Crops)	986,604	985,194	1,017,921	
II. Industry	2,713,467	2,779,466	2,905,289	3,083,176
1. Mining and quarrying	262,813	262,253	276,380	283,062
2. Manufacturing	1,482,158	1,574,471	1,658,176	1,776,469
3. Electricity, gas, water supply and other utility services	194,403	202,224	211,846	228,579
4. Construction	774,093	740,518	758,887	795,066
III. Services	3,976,497	4,296,288	4,685,208	5,161,062
1. Trade, hotels, transport, communication and services related to broadcasting	1,413,120	1,548,739	1,720,513	1,904,200
2. Financing, real estate & professional services	1,539,574	1,675,405	1,807,338	2,015,912
3. Public administration, defence and other services	1,023,803	1,072,144	1,157,357	1,240,950
Total GVA at basic prices (I+II+III)	8,195,546	8,599,224	9,169,787	9,827,089
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
I. Agriculture, forestry and fishing	1.2	3.7	0.2
1. Agriculture (Crops)	-0.1	3.3	
II. Industry	2.4	4.5	6.1
1. Mining and quarrying	-0.2	5.4	2.4
2. Manufacturing	6.2	5.3	7.1
3. Electricity, gas, water supply and other utility services	4.0	4.8	7.9
4. Construction	-4.3	2.5	4.8
III. Services	8.0	9.1	10.2
1. Trade, hotels, transport, communication and services related to broadcasting	9.6	11.1	10.7
2. Financing, real estate & professional services	8.8	7.9	11.5
3. Public administration, defence and other services	4.7	7.9	7.2
Total GVA at basic prices	4.9	6.6	7.2
Source : <i>National Accounts Statistics</i> , Central Statistical Organisation, Ministry of Statistics & Programme Evaluation, Govt. of India.			

11.03 (a) GROSS VALUE ADDED (GVA) BY ECONOMIC ACTIVITY				
(at current prices)				
(₹ crore)				
Economic Activity	2011-12	2012-13	2013-14	2014-15
I. Agriculture, forestry & fishing	1,505,580	1,668,676	1,881,152	1,964,506
1. Agriculture (Crops)	986,604	1,080,421	1,233,595	
II. Industry	2,713,467	2,954,565	3,219,942	3,466,996
1. Mining and quarrying	262,813	284,771	298,544	275,812
2. Manufacturing	1,482,158	1,654,084	1,808,370	1,984,173
3. Electricity, gas, water supply and other utility services	194,403	213,826	244,220	278,593
4. Construction	774,093	801,884	868,808	928,418
III. Services	3,976,497	4,628,810	5,376,045	6,118,738
1. Trade, hotels, transport, communication and services related to broadcasting	1,413,120	1,660,477	1,946,060	2,205,284
2. Financing, real estate & professional services	1,539,574	1,807,699	2,074,623	2,372,103
3. Public administration, defence and other services	1,023,803	1,160,634	1,355,362	1,541,351
Total GVA at basic prices (I+II+III)	8,195,546	9,252,051	10,477,140	11,550,240
<p>Note : The totals may not exactly tally due to rounding off.</p> <p>Source : <i>National Accounts Statistics</i>, Central Statistical Organisation, Ministry of Statistics & Programme Evaluation, Govt. of India.</p>				

11.03 (b) SECTOR-WISE COMPOSITION OF GVA (at current prices)				
(Per cent)				
Economic Activity	2011-12	2012-13	2013-14	2014-15
I. Agriculture, forestry & fishing	18.4	18.0	18.0	17.0
1. Agriculture (Crops)	12.0	11.7	11.8	
II. Industry	33.1	31.9	30.7	30.0
1. Mining and quarrying	3.2	3.1	2.8	2.4
2. Manufacturing	18.1	17.9	17.3	17.2
3. Electricity, gas, water supply and other utility services	2.4	2.3	2.3	2.4
4. Construction	9.4	8.7	8.3	8.0
III. Services	48.5	50.0	51.3	53.0
1. Trade, hotels, transport, communication and services related to broadcasting	17.2	17.9	18.6	19.1
2. Financing, real estate & professional services	18.8	19.5	19.8	20.5
3. Public administration, defence and other services	12.5	12.5	12.9	13.3
Total GVA at basic prices	100.0	100.0	100.0	100.0
Source : <i>National Accounts Statistics</i> , Central Statistical Organisation, Ministry of Statistics & Programme Evaluation, Govt. of India.				

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
<p>Note:1.Figures in parentheses under the column.rural population are percentages to the total population.</p> <p>2.Figures in parentheses under the columns.cultivators and agricultural workers are percentages to the total workers.</p> <p>N.A. = Not available. (P) = Provisional</p>						
Source: Registrar General of India, New Delhi.						
11.04 (c) POPULATION IN INDIA - 2002 to 2013						
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(P)	1228.8	1.27				
(P) = Provisional						
Source : <i>Economic Survey 2013-14</i> , Govt. of India.						

11.04 (d) ALL-INDIA PERCENTAGE OF POPULATION BELOW POVERTY LINE (Tendulkar Methodology)						
	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.						
11.04 (e) PROJECTED GROWTH OF POPULATION AND THE LABOUR FORCE (% per annum)						
	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.						
11.05 NUMBER OF DISTRICTS, TOWNS AND VILLAGES (2011 Census)						
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	107,452	106,704
Uttarakhand	13	13	86	116	16,826	16,793
West Bengal	18	19	378	909	40,782	40,203
All India	593	640	5,161	7,935	638,588	640,867
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 ('000)	% share to All-India total	Rural population		Urban population ('000)	Density of population (per sq. km)
				In '000	% share to state total		
1	Uttar Pradesh	199,812	16.51	155,317	77.73	44,495	828
2	Maharashtra	112,374	9.28	61,556	54.78	50,818	365
3	Bihar	104,099	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
All India (a)		1,210,570	100.00	833,463	68.85	377,106	382

(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
All India @	127,313	106,775	168,143	402,235	31.7	26.5

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	-
All India		41.8	3,263.0	25.7	808.0	37.2	4,071.0

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
All India		25.70	2,165.00	13.70	528.00	21.92	2,693.00

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. Central Sphere		Unskilled	193.00-215.00	16.	Karnataka	-	236.50
		Semi-skilled	198.00-235.00	17.	Kerala	For Light Work	150.00
		Skilled / clerical	216.00-255.00			For Hard Work	200.00
		Highly skilled	235.00-283.00	18.	Lakshadweep	Unskilled	200.00
States / Union Territories						Semi-skilled	225.00
1.	Andhra Pradesh	Lowest	201.00			Skilled	250.00
		Highest	338.15			Highly skilled	275.00
2.	A & N Islands	Unskilled	254.00-265.00	19.	Madhya Pradesh	Unskilled	141.20
		Semi-skilled	266.00-274.00	20.	Maharashtra		100.00-120.00
		Skilled	279.00-296.00	21.	Manipur	Unskilled	122.10
		Highly skilled	300.00-318.00			Semi-skilled	129.97
3.	Arunachal Pradesh	Unskilled	134.62-153.85			Skilled	132.60
		Skilled	146.15-165.38	22.	Meghalaya	Unskilled	100.00
4.	Assam	Unskilled	147.56			Semi-skilled	120.00
		Semi-skilled	170.26			Skilled	140.00
		Skilled	236.10	23.	Mizoram	Unskilled	220.00
5.	Bihar	-	162.00-223.23			Semi-skilled	250.00
6.	Chandigarh	Unskilled	282.76			Skilled - II	310.00
		Semi-skilled	288.53-292.38			Skilled - I	318.00
		Skilled	300.07-308.73	24.	Nagaland	Unskilled	100.00
		Highly skilled	324.11			Semi-skilled	110.00
7.	Chhattisgarh	Unskilled	147.36			Skilled	120.00
8.	Dadra & Nagar Haveli	Unskilled	196.20	25.	Odisha	Unskilled	150.00
		Semi-skilled	202.70			Semi-skilled	170.00
		Skilled	209.20			Skilled	190.00
9.	Delhi	Unskilled	329.00			Highly skilled	205.00
		Semi-skilled	363.00	26.	Puducherry	Light Work	100.00
		Skilled	399.00			Hard Work	150.00
10.	Goa	Unskilled	225	27.	Punjab	Unskilled	170.14
11.	Gujarat	-	100.00	28.	Rajasthan	Unskilled	166.00
12.	Haryana	Unskilled	213.35			Semi-skilled	176.00
		Semi-skilled	218.35-223.35			Skilled	186.00
		Skilled	228.35-233.35			Highly skilled	236.00
		Highly skilled	238.35	29.	Tamil Nadu	Women (5 Hours)	85.00
13.	Himachal Pradesh	Unskilled	150.00			Men (6 Hours)	100.00
14.	Jammu & Kashmir	Unskilled	110.00	30.	Tripura	Adult	150.00
		Semi-skilled	150.00			Young	105.00
		Skilled	200.00	31.	Uttar Pradesh	Unskilled	100.00
		Supervisor	175.00	32.	Uttarakhand	Unskilled	129.50
15.	Jharkhand	Tractor driver and pump operator	242.29	33.	West Bengal	Unskilled	206.00
		Chowkidar	190.07			Semi-skilled	226.00
		All other Agril. operations	177.07			Skilled	249.00

Source : Agricultural Statistics at a Glance 2014, Ministry of Agriculture New Delhi.

VDA = Variable Dearness Allowance.

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 - 2009-10 to 2014-15										
										(₹crore)
Programme	2009-10#		2010-11#		2011-12#		2012-13#		2013-14#	2014-15
	BE	AE	BE	AE	BE	AE	BE	RE	BE	BE
Crop Husbandry	6165	6545	7084	9813	7891	8066	9034	8071	9876	4432
Horticulture	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Soil & Water Conservation	14	14	16	14	15	15	16	16	19	18
Animal Husbandry	627	507	855	715	950	724	1063	849	975	172
Dairy Development	89	86	76	85	223	196	353	494	525	411
Fisheries	411	341	242	291	270	304	299	273	317	423
Forestry & Wildlife	849	929	796	929	786	914	907	755	1041	379
Plantation	305	390	331	474	415	595	446	404	458	370
Food Storage & Warehousing	295	235	498	502	644	703	787	726	801	727
Agriculture, Research & Education	N.A.	1707	2070	2522	2492	2573	2898	2294	3113	3354
Agricultural Financial Institutions	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Cooperation	137	113	82	103	222	124	125	93	121	125
Other Agricultural Programmes	153	147	258	268	836	1980	1764	1996	1535	1120
Total Agriculture and Allied Programmes	9045	11014	12308	15716	14744	16194	17692	15971	18781	11531
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 2014</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
Total	94,670.21	3.6	111,823.72	7.2	226,500	7.1

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

1. CONVERSION RATIOS BETWEEN AGRICULTURAL RAW MATERIAL AND PROCESSED PRODUCT	
Raw materials	Processed products
Rice	
Rice (cleaned) production	2/3 of paddy production
Cotton	
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.
Jute	
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)
Groundnut	
Kernel to nuts in shell	70 per cent
Oil to nuts in shell	28 " "
Oil to kernels crushed	40 " "
Cake to kernels crushed	60 " "
Sesamum	
Oil to seeds crushed	40 " "
Cake to seeds crushed	60 " "
Rapeseed and mustard	
Oil to seeds crushed	33 " "
Cake to seeds crushed	67 " "
Linseed	
Oil to seeds crushed	33 " "
Cake to seeds crushed	67 " "
Castor seed	
Oil to seeds crushed	37 " "
Cake to seeds crushed	63 " "
Cotton seed	
Oil to seeds crushed	14 to 18 per cent
Cake to seeds crushed	82 to 86 " "
Coconut	
Copra to nuts	One tonne of copra = 6,773 nuts
Oil to copra crushed	62 per cent
Cake to copra crushed	38 " "

(Continued)

1. CONVERSION RATIOS BETWEEN AGRICULTURAL RAW MATERIAL AND PROCESSED PRODUCT (Concluded)	
Raw materials	Processed products
Niger seed	
Oil to seeds crushed	28 per cent
Cake to seeds crushed	72 " "
Kardi seed	
Oil to seeds crushed	40 " "
Cake to seeds crushed	60 " "
Mahua seed	
Oil to seeds crushed	36 " "
Cake to seeds crushed	64 " "
Neem seed	
Oil to kernels crushed	45 to 50 per cent
Cake to kernels crushed	50 to 55 " "
Soyabean seed	
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 " "
Sugar	
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 " "
Lac	
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
Cashew nuts	
Cashew kernels	25 per cent of cashew nuts
Butter and ghee	
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
Cereals	Bara (Bulrush or spiked millet)	Bajra
	Barley	Jau
	Cholam (Great Millet)	Jowar
	Maize	Makka
	Ragi	Mundua
	Paddy (Rice)	Dhan (Chawal)
	Wheat	Gehun
Pulses and Beans	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	
Sugar Crop/ Fruits	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
Vegetables	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	
Drugs and Narcotics	Betal Leave	Paan
	Betalnut(arecanut)	Supari
	Indian hemp	Bhang
	Opium	Afeem
	Tobacco	Tambaku
Condiments and Spices	Black pepper	Kalimirch
	Cardamom	Chhoti ilaichi
	Chillies	Lalmirch
Source: <i>Agricultural Statistics at a Glance 2013</i> , Ministry of Agriculture New Delhi.		

PART III

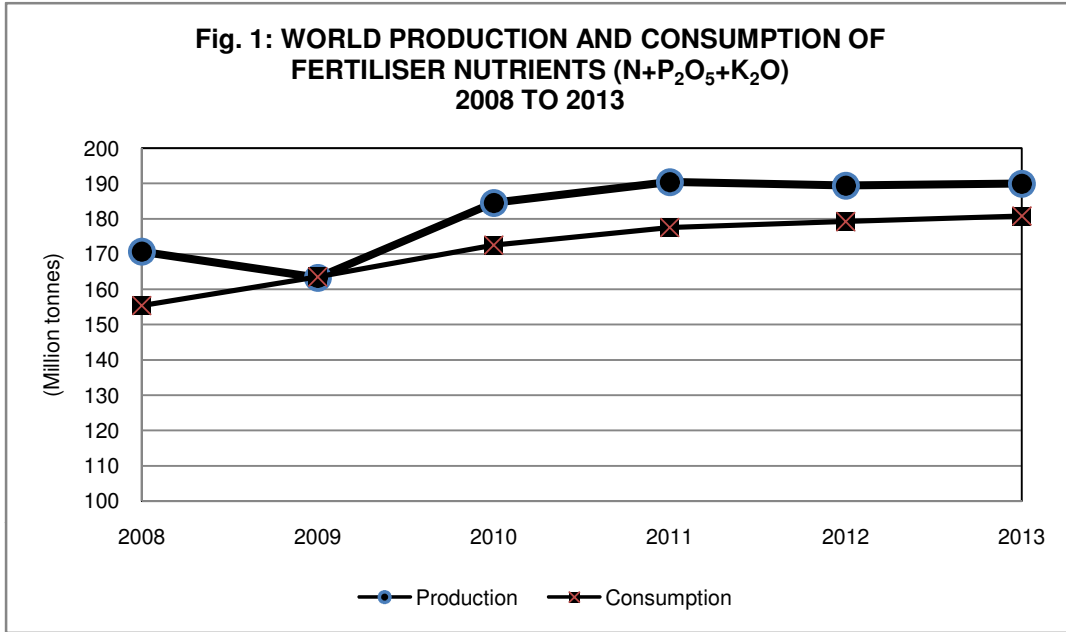
**WORLD FERTILISER AND
AGRICULTURAL STATISTICS**

PART III

**SECTION 1
FERTILISER**

1.00 CAPACITY, PRODUCTION, CONSUMPTION, IMPORT AND EXPORT OF FERTILISERS

1.01 CAPACITY OF N, P ₂ O ₅ AND K ₂ O IN VARIOUS REGIONS - 2013			
('000 tonnes nutrient)			
Region	N	P ₂ O ₅	K ₂ O
Africa	7,187	8,448	-
America	23,687	12,446	20,091
North America	14,214	9,641	18,148
Latin America & the Caribbean	9,473	2,805	1,943
Asia	102,576	26,433	9,527
West Asia	14,459	3,727	3,960
South Asia	17,463	2,170	-
East Asia	70,654	20,536	5,567
Europe	38,400	6,418	20,122
West Europe	9,917	565	5,590
Central Europe	6,416	922	-
East Europe & Central Asia	22,067	4,931	14,532
Oceania	1,818	600	-
World Total	173,669	54,345	49,740
Note:1. N Capacity - Capacity of Ammonia expressed as N. 2. P ₂ O ₅ Capacity - Capacity of Phosphoric acid expressed as P ₂ O ₅ . Source: <i>World Fertilizer Trends and Outlook to 2018</i> , FAO, Rome..			



1.02 WORLD PRODUCTION AND CONSUMPTION OF FERTILISERS										
2009 to 2013										
Fertiliser nutrient	Quantity ('000 tonnes)					% variation over previous year				
	2009	2010	2011	2012	2013	2009	2010	2011	2012	2013
Production										
Nitrogen (N)	105,573	108,147	111,205	111,651	112,377	4.3	2.4	2.8	0.4	0.7
Phosphate (P ₂ O ₅)	37,977	42,697	44,466	43,766	43,486	4.2	12.4	4.1	-1.6	-0.6
Potash (K ₂ O)	19,767	33,706	34,775	34,022	34,128	-40.2	70.5	3.2	-2.2	0.3
Total (N+P₂O₅+K₂O)	163,317	184,549	190,446	189,439	189,992	-4.3	13.0	3.2	-0.5	0.3
Consumption										
Nitrogen (N)	102,453	104,522	107,857	108,638	110,503	4.2	2.0	3.2	0.7	1.7
Phosphate (P ₂ O ₅)	37,477	40,574	41,551	41,650	40,306	10.5	8.3	2.4	0.2	-3.2
Potash (K ₂ O)	23,601	27,477	28,140	28,950	29,996	1.9	16.4	2.4	2.9	3.6
Total (N+P₂O₅+K₂O)	163,531	172,572	177,547	179,238	180,805	5.2	5.5	2.9	1.0	0.9
Source: www.fertilizer.org										

1.03(a) UREA PROJECTS UNDER CONSTRUCTION/ PLANNED IN SELECTED COUNTRIES				
Country	Name of the company/ location	Capacity (‘000 tonnes product per annum)	Year of commi- ssioning	Under construction (UC), Engineering (E), Planned / Proposed (P)
Poland	1. Grupa Azoty, Pulawy	660 (Revamp)	2015	UC
Romania	1. Azomures S.A., Targu Mures	173 (Revamp & Expn.)	2015	E
		471 (Gran.)	2015	E
Slovakia	1. Duslo A.S. Sala, Sala	99 (Revamp & Expn.)	2014-15	E
Russia	1. JSC Ammoni, Mendeleevsk	676 (Gran.)	2014-15	UC
	2. ICT Group, Ust Luga	1240 (Gran.)	2017	P
	3. Novomoskovst Azot, Novomoskovsk, Tula region	380 (Revamp)	2014-15	UC
	4. JSC Togliattiazot, Togliattazot	858 (Revamp & Expn.)	2016	UC
		858 (Revamp & Expn.)	2016	UC
Ukraine	1. PJSC Severodonetsk Azot, Severodonetsk, Lugansk region	528 (Revamp)	2015	UC
	2. PSJC Concern Stirol, Gorlovka, Donetsk region	660 (Revamp)	2014-15	UC
Angola	1. Ministry of Geology, Mining & Industry, Soyo, Zaire Province	578	2016	E
Egypt	1. Egyptian Chemical and Fertiliser Industries (KIMA), Aswan	520	2015	E
Gabon	1. Gabon Fertilizer Company/Olam International, Port Gentil	1271 (Gran.)	2015	E
Ghana	1. Ghana/Indian j.v. (Govt./RCF, GSFC,GAIL)	1270	2016/17	P
Nigeria	1. Dangote Fertilizer Ltd., Agenebode, Edo State	2 x 1271	2015	UC
	2. Eleme Indorama, Port Harcourt	1320	2016	UC
	3. Notore Chemicals, Onne	990	2016	P
	4. Nagarjune Fertilizers and Chemicals Ltd./ NNPC j.v	1000	-	P
Tanzania	1. Wentworth Resources, Mtwara Region	800	-	P
Iran	1. Golestan Petrochemicals Co., Golestan	1073	2016	E
	2. Hengam Petrochemical Co., Babdar Assaluyeh	1125 (Syn.)	2015	E
		1125 (Gran.)	2015	E
	3. Lordegan Petrochemical Co., Lordegan	1073	2016	UC
	4. Pardis Petrochemicals Co., Bandar Assaluyeh	1073	2015	UC
	5. PIDMCO/Shiraz Petrochemical Complex, Shiraz	1073	2014-15	UC
	6. Zanjan Petrochemical Co., Assaluyeh	1073	2017	E
Iraq	1. State Company of Fertilizers North Srea (NFL), Baiji 149 (Debottlenecking)		2015	E
Saudi Arabia	1. Safco V, Jubail	1188	2014-15	UC
Azerbaijan	1. SOCAR, Sumgayit	660	2016	E
Bangladesh	1. Kafco, Chittagong	Revamp & expn. to 742 (Gran.)	2014-15	UC
	2. Shahjalal Fertilizer Plant, Shahjalal	580	2015	E
Brunei	1. Sungai Liang Authority, Sungai Liang Industrial Park	650		P
China	1. Aksu Haijing Chemical Fertilizer Co. Ltd., Kuche, Xinjiang Province	861 (Revamp)	2014-15	UC
		861 (Gran.)	2014-15	UC

(Continued)

1.03(a) UREA PROJECTS UNDER CONSTRUCTION/ PLANNED IN SELECTED COUNTRIES (Continued)				
Country	Name of the company/ location	Capacity (’000 tonnes product per annum)	Year of commi- ssioning	Under construction (UC), Engineering (E), Planned / Proposed (P)
China	2. Aksu Tonglesheng Chemical Ltd., Wensu County Cyclic, Economy Industrial Park, Aksu City, Xinjiang, A.R.	300	2014-15	UC
	3. Anhui Huaihua Chemical Group, Huainan City, Anhui Province	520	-	P
	4. Anhui Jinmei Zhongneng, Anhui	500	-	UC
	5. Anhui Sunson, Anhui	800	-	UC
	6. China Blue Chemical Ltd., Hegong City, Heilongjiang Province	520	2014-15	UC
	7. China National Petroleum Corp., Aksu, Xinjiang	800	2015	P
	8. CNPC Talimu, Akesu, Xinjiang	800	-	UC
	9. CNSG Debang, Xinyu, Jiangsu	300	-	UC
	10. Deyang Nanta Chemicals Ltd., Donghe Village, Tianyuan Town, Jingyang District, Deyang City, Dichuan Province	300	-	UC
	11. Erdos City Yiding Coal Chemical Ltd., Duguitala Town, Hangjin Banner, Erdos City, Inner Mongolia	574	2014-15	UC
	12. Fengxi Huarui, Shanxi	300	-	P
	13. Gansu Jinchang Chemical Group, Hexipu Town, Yongchang County, Jinchang City, Gansu Province	300	2014-15	UC
	14. Guangxi Lihua, Xingyi Guizhou	150	-	P
	15. Hebei Dongguang Chemical Ind. Co.	600	2014-15	UC
	16. Hongyu Science and Technology Ltd., Zhalatun City, Inner Mongolia	520	2014-15	UC
	17. Henan Xinlianxin Chemical Ltd., Xinjiang City, Henan Province	800	2014-15	UC
	18. Hengang Huahe Coal Chemical Industry Ltd., Hengang City, Heilongjiang Province	614	2014-15	UC
	19. Inner Linggu Chemical Co., Yixing, Linggu, Jingsu	890	2015	E
	20. Inner Mongolia Erdos Chemical Industry Group, Qi Pan Jing, Ordos City, Inner Mongolia	995	2014-15	UC
	21. Inner Mongolia Hongyu Tech, Ltd., Zhalantun City, Hulunbeier City, Inner Mongolia	520	-	U
	22. Inner Mongolia Huajin Chemical Ltd., Wuliyasitai Industrial Park, East Wuzhumuqin Banner, Xilin Gol League, Inner Mongolia AR	800	-	P
	23. Inner Mongolia Tainrun, Inner Mongolia	520	2014-15	UC
	24. Inner Mongolia Wulan Group, Wulanhot City, Xing'am Banner, Inner Mongolia AR	1320 1200	2016 -	UC P
	25. Jiangsu Linggu Chemical Ind. Co. Ltd., Yixing, Jiangsu province	891	2015	UC

(Continued)

1.03(a) UREA PROJECTS UNDER CONSTRUCTION/ PLANNED IN SELECTED COUNTRIES (Continued)				
Country	Name of the company/ location	Capacity (^{'000} tonnes product per annum)	Year of commi- ssioning	Under construction (UC), Engineering (E), Planned / Proposed (P)
China	26. Jilin Changshan Fertilizer, Qianguo County, Songyuan, Jilin Province	600	2015	UC
	27. Ningxia Baota, Ningxia	780	-	P
	28. Ningxia Yufeng Chem, Ningxia	200	2014-15	UC
	29. PetroChina Ningxia Petrochemical Co., Yichuan City, Ningxia A.R.	800	2014-15	UC
	30. Qinghai Salt Lake Group, Cha'erhan Salt Lake, Qaidam Basin, Haixi, Qinghai	300	2014-15	UC
	31. Shanxi Jincheng Anthracite, Mining Group, Jiaozuo, Henan Province	520	-	P
	32. Shanxi Lijiu Coking Coal, Luilang, Shanxi	520	-	UC
	33. Shanxi Yangquan Coal Ind. Group, Xishe Coal Chemical Park, Jishan County, near Yangquan City, Shanxi Province	520	-	UC
	34. Shanxi Yihua Meijin Chemical Ltd., Luliang City, Shanxi Province	300	2014-15	UC
	35. Shanxi Lingshi, Shanxi	300	2014-15	UC
	36. Sichuan Hongda, Mianzhu, Sichuan	300	-	P
	37. Sichuan Meifeng Chemical Ltd., Mainyang City, Sichuan Province	300	-	UC
	38. Sinochem, Ningdong, Ningxia Province	3200	-	P
	39. Tangshan Bangli Dayin Chemical Ltd., Houhu Industrial Park, Yutian County, Hebei Province	Expn. To 800	-	P
	40. Tianze Coal Chemical Ltd., Jincheng City, Shanxi Province	600	-	UC
	41. Wuyuan Jinniu Coal Chemical Co. Ltd., Bayannaoer City, Inner Mongolia	520	2014-15	UC
	42. Xinjiang Xinlianxin Energy Chemical Co., Taxuihe Industrial Park, Manasi County, Xinjiang	480	-	UC
	43. Xinjiang Mingji, Hutubi, Xinjiang	520	-	P
	44. Xinjiang Zhongneng Wanyua, Xinjiang	600	2014-15	UC
	45. Yangmei Zhengyuan, Hebei	800	2014-15	UC
46. Yanhua Chemical Ltd., Yanjin County, Henan Province	800	2015	UC	
47. Zhengyuan Fertilizer Ltd., Lingang Economical and Technological Dex. Zone, Cangzhou City, Hebei Province	800	2014-15	UC	
Indonesia	1. PT Petrokimia Gresik, Gresik, east Java	569	2016	P
	2. PT Pupuk Kalimantan Timur, Bontang, East Kalimantan	1155	2014-15	UC
	3. PUSRI IIB, Palembang	908	2016	UC
Malaysia	1. Petronas Chemicals Fertilizer Sabah, Sabah	1271	2014-15	UC
Turkme- nistan	1. Turkmenhimiya, Mary Project, Mary City	635	2014-15	UC

(Continued)

III-11

1.03(a) UREA PROJECTS UNDER CONSTRUCTION/ PLANNED IN SELECTED COUNTRIES (Concluded)				
Country	Name of the company/ location	Capacity (’000 tonnes product per annum)	Year of commi- ssioning	Under construction (UC), Engineering (E), Planned / Proposed (P)
Vietnam	1. Ha Bac Fertilizer, Dac Giang	330	2014-15	UC
Canada	1. IFFCO Canada Enterprise Ltd., Becancour, Quebec	1200	2017	P
	2. Koch Fertilizer Canada ULC, Brandon, Manitoba	660 (Revamp)	2015	UC
USA	1. Bio Nitrogen Corp., Hardee County, Florida	112	-	P
	2. CF Industries, (i) Donaldsonville	1155	2015	UC
		1155 (Gran.)	2015	UC
	(ii) Port Neal, Iowa	1155	2016	UC
		1155 (Gran.)	2016	UC
	3. Cornerstone Chemical Co., Waggaman	231 (Revamp)	2014-15	UC
	4. Dakota Gasification Corp., Beulah, North Dakota	361	2017	P
	5. Iowa Fertilizer Co., Wever, Iowa	450 (Gran.)	2015	UC
	6. Koch Fertilizer, Enid, Oklahoma	462 (Revamp)	2014-15	UC
		726 (Syn.)	2016	E
		883 (Gran.)	2016	E
	7. Northern Plains Nitrogen, Grand Forks, North Dakota	720	2017	P
	8. Summit Power Group, Texas Clean Energy Project, Penwell, near Odessa, Texas	630	-	P
	9. Yara/ BASF	594 (Gran.)	-	UC
		898 (Gran.)	-	E
Argentina	1. Profertil, Bahia Blanca, Buenos Aires Province	Expn. by 123 (Gran.)	2015	P
Bolivia	1. YPFB, Entre Rios, Cochabamba	693	2016	UC
Brazil	1. Tres Lagoas, Mato Grosso del Sul	1188	2016	UC
	2. Vale Fertilizantes Araucaria	660 (revamp)	2014-15	UC
Cuba	1. Civenpeq, Cienfuegos	726 (Gran. & syn.)	2015	E
Peru	1. CF Industries, San Juan de Marcona	1271	-	P
Trinidad	1. PCS Nitrogen Trinidad, Point Lisas	693 (Revamp)	2014-15	UC
Venezuela	1. Pequiven, Moron	726 (Gran. & Syn.)	2014-15	UC
Australia	1. Perdaman Chemicals and Fertilizers, Shotts Industrial Park, Collie, Western Australia	2000	-	P

Source : *Fertilizer Focus, March/April, 2014*, FMB Consultants Ltd., England.

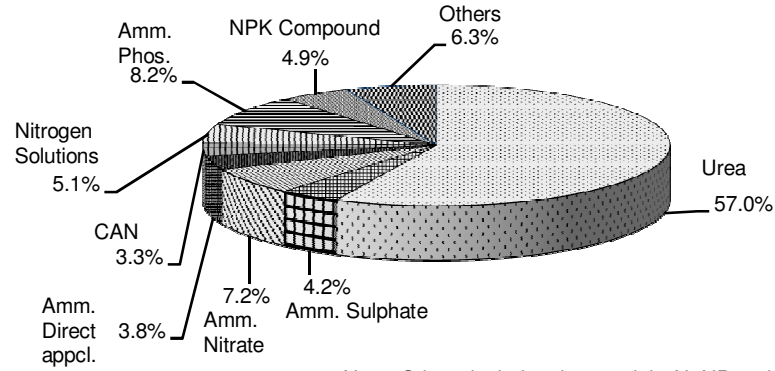
1.03(b) PHOSPHATE PROJECTS UNDER CONSTRUCTION/ PLANNED IN SELECTED COUNTRIES					
Country	Name of the company/ location	Capacity (^{'000} tonnes product per annum)	Year of commi- ssioning	Under construction (UC), Engineering (E), Planned / Proposed (P)	
Norway	1. Yara International, Porsgrunn	NPK expn. by 300	2014-15	UC	
Belarus	1. PA Belaruskali, Soligorsk	NPK 720	-	P	
Russia	1. BMF, Balakovo	NPK 450	2015	E	
Turkey	1. Gubretas	DAP/NPK 500 (two plants)	2014-15	E	
Egypt	1. Egyptian Co. for Potash Chemical Industries (ECPC) Sadat City	TSP 330	-	E	
		SSP 330	-	E	
		MAP 66	-	E	
		NPK (WS) 50	-	E	
		NPK 330	-	E	
Kenya	1. MEA Ltd., Nakuru	NPK 100	2014-15	UC	
Morocco	1. OCP and Partners, Jorf Lasfar	MAP/ DAP/NPK 1000	2014-15	UC	
		MAP/ DAP/NPK 1000	2014-15	UC	
		MAP/ DAP/NPK 1000	2015	UC	
		MAP/ DAP/NPK 1000	2016	UC	
		MAP/DAP/NPK 6x1000	2016	P	
	2. OCP, Jorf Lasfar	MAP (WS) 100	2015	E	
Jordan	1. JPMC, Aqaba	DAP 2x528 revamps	2014-15	UC	
Saudi Arabia	1. Ma'aden Ras Al-Khair	DAP/NPK 2970	2016	UC	
China	1. Aksu Tonglesheng Chemical Ltd., Wensu County Cyclic, Economy Industrial Park, Aksu City, Xinjiang, A.R.	DAP 300	2014-15	UC	
		NPK 600	2014-15	UC	
		DAP 300	2014-15	UC	
	2. Baoji City Fenghe Chemical/ Feng County Sanlian Construction, Feng County, Shanxi Province	SSP 300	-	UC	
	3. Chongqing Huaqiang, Qijiang, Chongqing	} MAP expn. by 200 DAP expn. by 120	-	-	P
			-	-	P
	4. CNSG Anhui Hong Sifang Ltd., Hefei, Anhui	NPK 1000	-	UC	
	5. EuroChem/Migao Corp., Luliang, Yunnan Province	NPK 100	2014-15	UC	
	6. Fujian Zijin Mining, Fujian	DAP 200	-	UC	
	7. Gansu Liujiaxia Chemical Group, Baiyin Industrial Park, Gansu	NPK 250	-	P	
	8. Garsoni (Ningling) Fertilizer Co. Ltd., Henan Province	NPK 800	-	P	
	9. GuangxiNew Yangfeng Fertilizer Ltd., Binyang County, Nanning City, Guangxi A.R.	NPK 600	-	UC	
	10. Guizhou Jinchi Chemical Co. Ltd., Hetaping, Tongzi, Guizhou Province	NPK 200	-	P	
	11. Haohua Qingping Phosphate Mine, Mainzhu Economic Dev. Zone, Deyang City, Sichuan Province	DAP 200	-	P	
	12. Henan Nongxin Fertilizer Ltd., Xinxiang City, Henan Province	NPK 200	-	UC	
13. Hubei Yangfeng, Hubei	DAP 600	2014-15	UC		
14. Hubei Yichang Xinguan, Guizhou	DAP 240	-	UC		
15. Jinkai	NPK 600	2015	E		

(Continued)

1.03(b) PHOSPHATE PROJECTS UNDER CONSTRUCTION/ PLANNED IN SELECTED COUNTRIES (Concluded)				
Country	Name of the company/ location	Capacity (’000 tonnes product per annum)	Year of commi- ssioning	Under construction (UC), Engineering (E), Planned / Proposed (P)
China	16. Longlin Mining, Sichuan Province	AP 500	-	P
	17. Shandong Kingenta Ecological Engineering Co. Ltd., Qinghe Industrial Park, Liaoning Province	NPK 300, NPK (Slow release) 100	-	UC
	18. Linshu, Shangdong Province	NPK (WS) 100	2014-15	UC
	19. Shandong Taishan Fengyun Ecological Fertilizer Ltd., Dingtao County, Shandong Province	NPK (Slow release) 200	2014-15	UC
	20. Shindoo Chemical Meishan Branch, Jinxiang Chemical Industrial Park, Sichuan Province	NPK (WS) 350 NPK (Slow release) 100	-	P P
	21. Sichuan Chemical Holding (group) Ltd., Baicheng, Sichuan	NPK (WS) 600	2015	P
	22. Sichuan Lubao Fert. Co., Chengmei, Sichuan Province	NPK 80	-	P
	23. Sichuan Meifeng Chemical Ltd., MianyangCity, Sichuan Province	NPK 450	-	UC
	24. Sichuan Meishan Guangyi, Xinjiang	DAP 600	2014-15	UC
	25. Sino-Arab Chemical Ferts., Hebei Province	AP 600	-	P
	26. Win - Win Group, Longyuan Industrial Park, Nanchuan District, Chongqing	DAP 200 revamp	-	UC
	27. Xinjiang Xinlianxin Energy Chemical Co., Taxuihe Industrial Park, Manasi County, Xinjiang	NPK 150	-	UC
Kazakhstan	1. Temir/Sunkar Resources, Chilisai deposit, northwest Kazakhstan	DAP 1750 NP 100	- 2014-15	P P
	Taiwan 1. Taiwan Fertilizer Co., Taichung	NP/NPK 200	2014-15	P
Vietnam	1. Tang Loong Industrial Zone, Bao Thang District, Lao Cai Province	DAP 330	2014-15	UC
	2. Vietnam National Chemical Group, Ninh Khanh Industrial Zone, Ninh Binh Province	NPK 200	2015	UC
Canada	1. Atlantic Potash Corp., Saint John, New Brunswick	NPK (Potash based) 380	2017	P
USA	1. Rock Springs, Wyoming	NPK by 30% from 185 P2O5	2014-15	UC
Brazil	1. Vale Fertilizantes, Uberaba/Patrocínio	MAP/TSP 2 x 600	2014-15	UC
Source : <i>Fertilizer Focus, March/April, 2014</i> , FMB Consultants Ltd., England.				

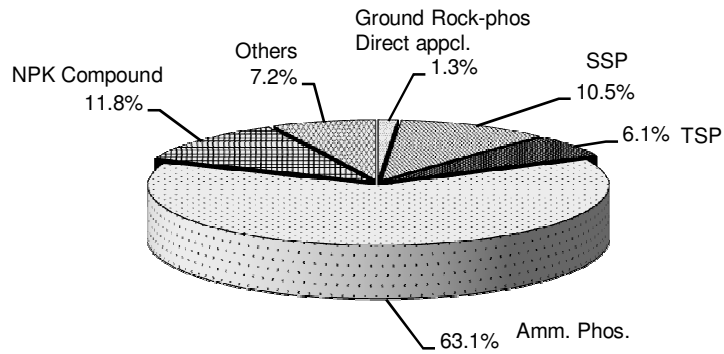
1.04 WORLD SUPPLY / DEMAND AND POTENTIAL BALANCE OF N, P ₂ O ₅ and K ₂ O - 2014 to 2018					
('000 tonnes)					
Fertiliser	2014	2015	2016	2017	2018
< ----- (Forecasts) ----- >					
I. Nitrogen					
i. Supply (ammonia as N)	152,769	159,591	165,784	172,059	176,489
ii. Demand (Total)	147,293	151,481	155,040	158,121	161,151
- Demand for fertiliser	113,147	115,100	116,514	117,953	119,418
- Non-fertiliser demand	34,146	36,381	38,526	40,168	41,733
iii. Potential balance(i-ii)	5,476	8,110	10,745	13,938	15,338
II. Phosphate					
i. Supply (H ₃ PO ₄) (as P ₂ O ₅)	46,864	48,299	49,487	50,958	52,189
ii. Total P ₂ O ₅ demand ¹	49,153	50,561	515,856	52,782	53,860
a. P ₂ O ₅ demand for fertiliser	42,706	43,803	44,740	45,718	46,648
b. P ₂ O ₅ demand (H ₃ PO ₄ based) ²	44,132	45,401	46,374	47,469	48,468
iii. Potential balance (H ₃ PO ₄ (as P ₂ O ₅) (i- ii b)	2,732	2,898	3,114	3,489	3,720
III. Potash					
i. Supply	43,568	45,175	46,974	49,741	51,439
ii. Demand (Total)	34,870	35,768	36,681	37,688	38,744
- Demand for fertiliser	31,042	31,829	32,628	33,519	34,456
- Non-fertiliser demand	3,828	3,939	4,053	4,169	4,288
iii. Potential balance(i-ii)	8,698	9,407	10,293	12,053	12,695
Note: H ₃ PO ₄ = Phosphoric acid.					
¹ = Total P ₂ O ₅ demand (H ₃ PO ₄ based fertiliser + industrial, and non H ₃ PO ₄ fertiliser);					
² = Total H ₃ PO ₄ demand (fertiliser + industrial) expressed as phosphate.					
Source: <i>Current world fertilizer trends and outlook to 2018</i> , FAO, Rome.					

Fig. 2: PRODUCT-WISE PERCENTAGE SHARE TO WORLD PRODUCTION OF N - 2013

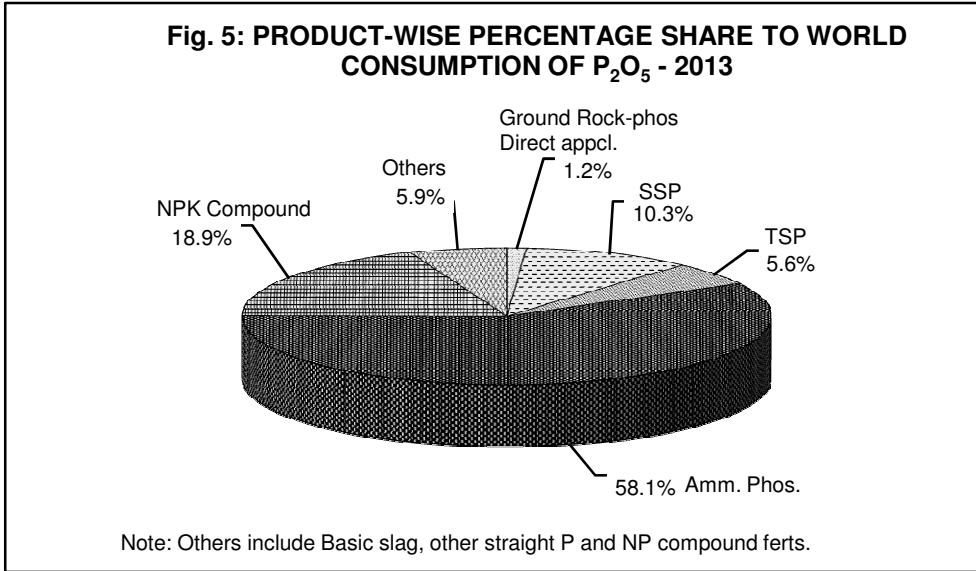
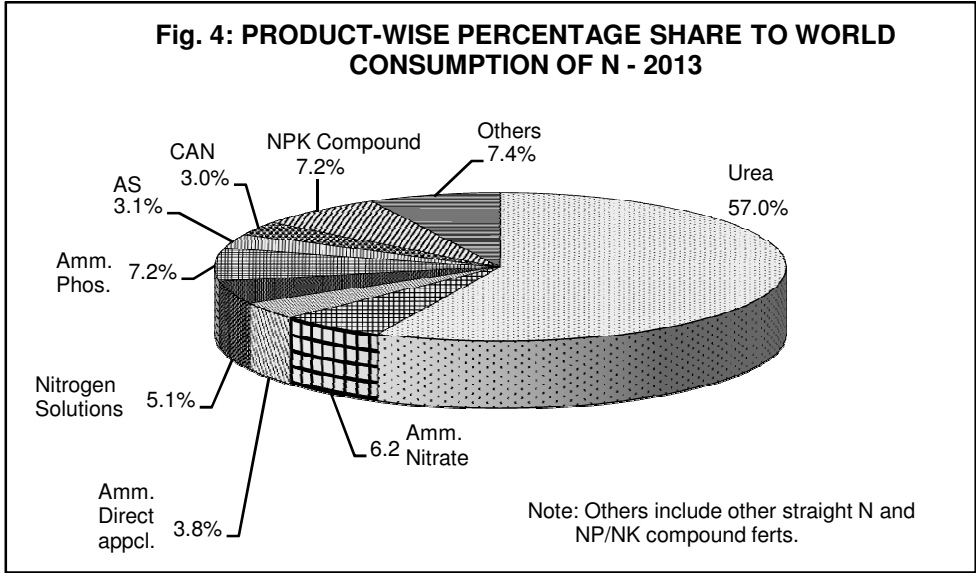


Note: Others include other straight N, NP and NK compound ferts.

Fig. 3: PRODUCT-WISE PERCENTAGE SHARE TO WORLD PRODUCTION OF P₂O₅ - 2013



Note: Others include Basic slag and other straight P.



1.05 RANKING OF MAJOR PRODUCING COUNTRIES—NITROGEN					
1991, 2000 to 2013					
('000 tonnes N)					
Year	World production	Rank / Country			
		I	II	III	IV
1991	70,847.6	China 15,029.0	USSR 12,102.0	USA 11,304.1	India 7,301.5 (10.3)
2000	86,623.5	China 22,175.0	India 10,942.8 (12.6)	USA 8,351.6	Russian Fedn. 5,451.9
2001	87,264.5	China 22,427.0	India 10,689.5 (12.2)	USA 10,201.8	Russian Fedn. 5,502.8
2002	89,049.8	China 24,412.0	India 10,507.6 (11.8)	USA 9,462.7	Russian Fedn. 5,877.9
2003	89,121.6	China 25,614.0	India 10,556.8 (11.8)	USA 8,161.4	Russian Fedn. 6,021.9
2004	93,645.4	China 28,339.0	India 11,304.9 (12.1)	USA 6,792.3	Russian Fedn. 6,576.9
2005	97,194.2	China 30,095.0	India 11,332.9 (11.7)	Russian Fedn. 6,783.7	USA 6,772.7
2006	102,288.1	China 32,379.0	India 11,524.9 (11.3)	USA 9,330.8	Russian Fedn. 6,813.1
2007	104,330.1	China 33,844.0	India 10,902.8 (10.5)	USA 10,479.6	Russian Fedn. 5,894.3
2008	101,227.1	China 33,782.0	India 10,900.2 (10.8)	USA 9,282.9	Russian Fedn. 5,435.2
2009	105,573.0	China 36,008.6	India 11,924.0 (11.3)	USA 9,722.0	Russian Fedn. 6,051.8
2010	108,146.5	China 35,677.9	India 12,178.6 (11.3)	USA 9,587.3	Russian Fedn. 6,543.6
2011	111,205.0	China 36,323.0	India 12,288.3 (11.1)	USA 9,413.6	Russian Fedn. 6,917.4
2012	111,650.6	China 36,056.0	India 12,237.3 (11.0)	USA 10,150.2	Russian Fedn. 6,604.6
2013	112,377.2	China 36,621.0	India 12,408.6 (11.0)	USA 10,370.3	Russian Fedn. 6,919.3

() = India's share in the world production of N (percentage).

1.06 RANKING OF MAJOR PRODUCING COUNTRIES — PHOSPHATE*					
1991, 2000 to 2013					
('000 tonnes P ₂ O ₅)					
Year	World production	Rank / Country			
		I	II	III	IV
1991	38,775.2	USA 8,350.0	USSR 7,686.0	China 4,555.0	India 2,588.8 (6.7)
2000	32,200.9	USA 7,337.0	China 6,759.0	India 3,750.2 (11.6)	Russian Fedn. 2,319.8
2001	33,986.1	USA 7,730.7	China 7,393.0	India 3,854.3 (11.3)	Russian Fedn. 2,369.2
2002	34,628.5	China 8,056.0	USA 7,595.8	India 3,921.3 (11.3)	Russian Fedn. 2,517.8
2003	34,283.1	China 8,806.0	USA 7,024.7	India 3,633.4 (10.6)	Russian Fedn. 2,657.4
2004	36,617.6	China 10,200.0	USA 6,930.8	India 4,047.8 (11.1)	Russian Fedn. 2,731.8
2005	36,499.7	China 11,121.0	USA 6,750.5	India 4,216.1 (11.6)	Russian Fedn. 2,607.3
2006	38,325.2	China 11,998.0	USA 6,942.2	India 4,450.2 (11.6)	Russian Fedn. 2,811.2
2007	40,218.9	China 13,720.0	USA 6,954.2	India 3,731.8 (9.3)	Russian Fedn. 2,909.9
2008	36,434.8	China 12,891.4	USA 5,919.3	India 3,437.3 (9.4)	Russian Fedn. 2,500.7
2009	37,976.6	China 14,374.0	USA 5,816.6	India 4,390.3 (11.6)	Russian Fedn. 2,577.7
2010	42,696.6	China 15,998.0	USA 6,297.2	India 4,385.7 (10.3)	Russian Fedn. 2,925.8
2011	44,547.9	China 17,631.0	USA 6,122.8	India 4,370.3 (9.8)	Russian Fedn. 3,069.9
2012	44,115.0	China 16,387.0	USA 6,456.3	India 3,827.0 (8.7)	Russian Fedn. 2,939.8
2013	43,486.2	China 16,560.0	USA 6,054.7	India 3,980.1 (9.2)	Russian Fedn. 2,929.0

() = India's share in the world production of P₂O₅ (percentage).
* = Includes ground rockphosphate for direct application.

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1.07 RANKING OF MAJOR CONSUMING COUNTRIES—NITROGEN					
1991, 2000 to 2013					
Year	World consumption	Rank / Country			
		I	II	III	IV
1991	75,417.0	China 19,629.0	USA 10,385.1	India 8,046.3 (10.7)	USSR 4,018.0
2000	82,069.7	China 22,720.0	India 10,920.2 (13.3)	USA 10,466.9	France 2,316.5
2001	82,788.7	China 22,694.0	India 11,310.2 (13.7)	USA 10,894.7	France 2,392.3
2002	86,059.3	China 26,006.0	USA 10,969.8	India 10,474.1 (12.2)	Pakistan 2,349.2
2003	87,506.5	China 25,078.0	USA 11,818.7	India 11,077.0 (12.7)	Pakistan 2,527.0
2004	90,409.9	China 26,964.0	India 11,713.9 (13.0)	USA 11,190.8	Pakistan 2,785.0
2005	92,927.1	China 29,761.3	India 12,723.3 (13.7)	USA 10,926.0	Pakistan 2,926.6
2006	96,920.4	China 31,810.0	India 13,772.9 (14.2)	USA 11,966.1	Pakistan 2,649.7
2007	100,775.2	China 33,111.8	India 14,419.1 (14.3)	USA 11,395.5	Pakistan 2,925.3
2008	98,333.6	China 33,236.7	India 15,090.5 (15.3)	USA 10,397.7	Pakistan 3,035.0
2009	102,452.9	China 33,600.0	India 15,580.0 (15.2)	USA 11,116.9	Pakistan 3,476.3
2010	104,521.7	China 32,599.3	India 16,558.2 (15.8)	USA 11,737.0	Pakistan 3,142.7
2011	107,857.0	China 33,800.0	India 17,300.3 (16.0)	USA 12,231.4	Brazil 3,366.0
2012	108,637.8	China 34,294.0	India 16,820.9 (15.5)	USA 12,050.3	Brazil 3,435.0
2013	110,502.9	China 35,010.0	India 16,750.1 (15.2)	USA 11,690.0	Brazil 3,698.0

() = India's share in the world consumption of N (percentage).

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1.08 RANKING OF MAJOR CONSUMING COUNTRIES—PHOSPHATE					
1991, 2000 to 2013					
Year	World consumption	Rank / Country			
		I	II	III	IV
1991	35,158.1	China 7,198.0	USA 3,826.4	USSR 3,705.0	India 3,321.2 (9.4)
2000	32,812.3	China 8,664.0	India 4,214.6 (12.8)	USA 3,862.1	Brazil 2,544.2
2001	33,344.2	China 8,926.0	India 4,382.4 (13.1)	USA 4,200.3	Brazil 2,508.8
2002	33,733.5	China 9,906.0	India 4,018.8 (11.9)	USA 3,892.3	Brazil 2,681.0
2003	34,922.2	China 9,827.0	USA 4,376.6	India 4,124.3 (11.8)	Brazil 3,410.0
2004	37,475.3	China 10,657.0	India 4,623.8 (12.3)	USA 4,207.1	Brazil 3,875.5
2005	37,254.7	China 11,407.0	India 5,203.7 (14.0)	USA 4,063.3	Brazil 2,889.0
2006	38,791.7	China 11,958.0	India 5,543.3 (14.3)	USA 4,147.9	Brazil 3,149.0
2007	38,534.1	China 11,569.8	India 5,514.7 (14.3)	USA 3,840.6	Brazil 3,659.0
2008	33,917.8	China 10,500.0	India 6,506.2 (19.2)	Brazil 3,196.0	USA 2,845.0
2009	37,477.0	China 11,000.0	India 7,274.0 (19.4)	USA 3,718.8	Brazil 3,342.0
2010	40,573.6	China 12,100.0	India 8,049.7 (19.8)	USA 3,890.2	Brazil 3,384.0
2011	41,550.7	China 12,300.0	India 7,914.3 (19.0)	USA 3,945.6	Brazil 3,859.5
2012	41,650.4	China 12,400.0	India 6,653.4 (16.0)	Brazil 4,325.4	USA 4,215.1
2013	40,305.9	China 11,200.0	India 5,633.5 (14.0)	Brazil 4,641.0	USA 4,088.2

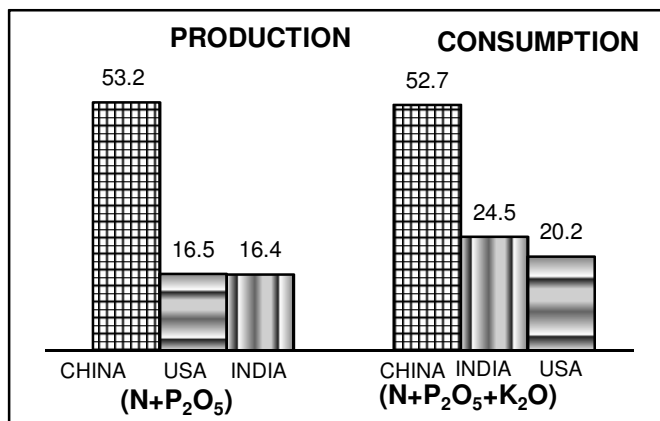
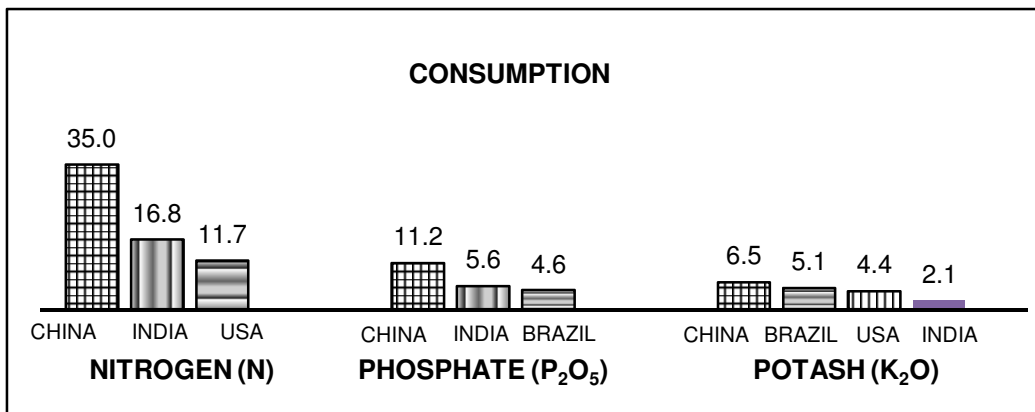
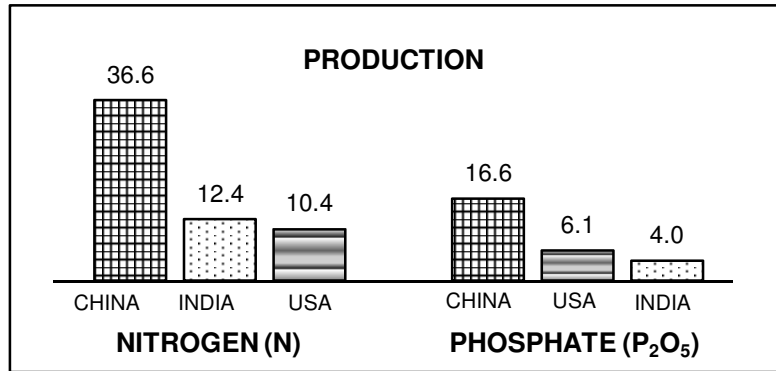
() = India's share in the world consumption of P₂O₅ (percentage).

III-21

1.09 RANKING OF MAJOR CONSUMING COUNTRIES—POTASH						
1991, 2000 to 2013						
('000 tonnes K ₂ O)						
Year	World consumption	Rank / Country				
		I	II	III	IV	V
1991	23,596.0	USA 4,573.8	USSR 2,418.0	China 2,298.0	France 1,741.0	India 1,360.6 (5.8)
2000	22,095.1	USA 4,468.9	China 3,364.0	Brazil 2,759.9	India 1,567.5 (7.1)	France 1,033.5
2001	22,855.1	USA 4,519.2	China 3,936.0	Brazil 2,851.4	India 1,667.1 (7.3)	France 1,014.5
2002	23,397.5	USA 4,491.0	China 4,342.0	Brazil 3,014.5	India 1,601.2 (6.8)	France 960.1
2003	26,148.3	USA 5,007.8	China 4,663.0	Brazil 4,290.6	India 1,597.9 (6.1)	France 932.0
2004	27,704.6	China 5,456.0	USA 4,692.8	Brazil 4,304.1	India 2,060.9 (7.4)	Malaysia 943.0
2005	26,067.8	China 5,500.0	USA 4,284.0	Brazil 3,526.3	India 2,413.3 (9.3)	Malaysia 906.8
2006	27,210.2	China 5,600.0	USA 4,656.9	Brazil 3,460.0	India 2,334.8 (8.6)	Malaysia 1,005.1
2007	29,072.4	China 6,480.0	USA 4,219.0	Brazil 4,175.0	India 2,636.3 (9.1)	Malaysia 1,054.6
2008	23,152.2	China 4,685.0	Brazil 3,689.0	India 3,312.6 (14.3)	USA 2,803.0	Indonesia 953.0
2009	23,600.8	China 4,300.0	USA 4,044.3	India 3,632.4 (15.4)	Brazil 3,149.0	Indonesia 801.0
2010	27,476.7	China 5,200.0	USA 4,165.1	Brazil 3,894.0	India 3,514.3 (12.8)	Indonesia 1,250.0
2011	28,139.6	China 5,700.0	Brazil 4,431.0	USA 4,185.8	India 2,575.5 (9.2)	Indonesia 1,401.0
2012	28,949.8	China 6,000.0	Brazil 4,844.0	USA 4,461.0	India 2,061.8 (7.1)	Indonesia 1,490.0
2013	29,995.7	China 6,500.0	Brazil 5,094.0	USA 4,397.2	India 2,098.9 (7.0)	Indonesia 1,580.0

() = India's share in the world consumption of K₂O (percentage).

Fig. 6 RANK OF INDIA IN WORLD PRODUCTION & CONSUMPTION OF FERTILISER NUTRIENTS 2013 (Million tonnes)



INDIA'S RANK IN WORLD

NUTRIENT	PRODU- CTION	CONSU- PTION
N	II	II
P ₂ O ₅	III	II
K ₂ O	*	IV
TOTAL	III	II

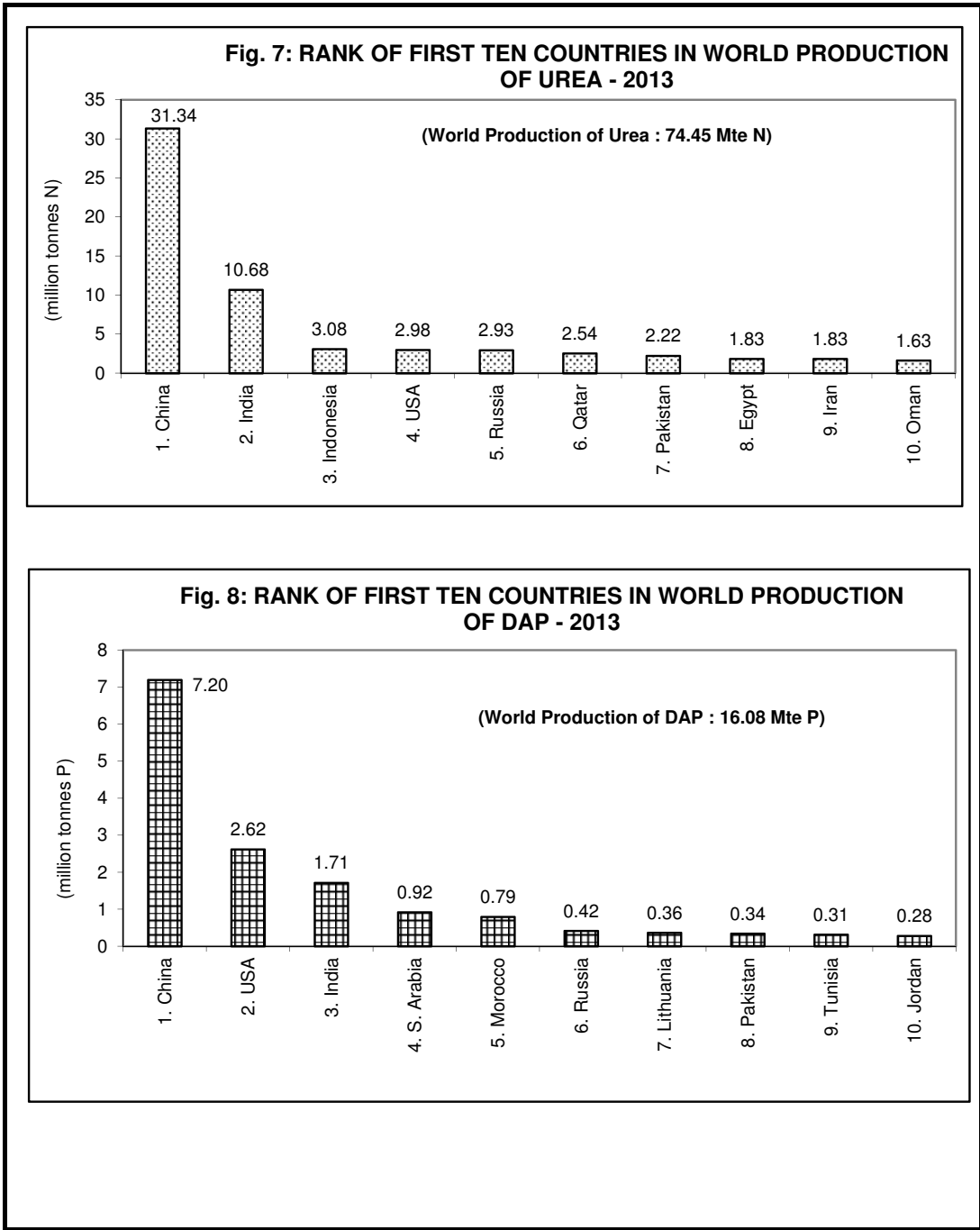
* = There is no established source of K₂O in India.

Note: P₂O₅ includes ground rockphosphate.

1.10 NUTRIENT-WISE FERTILISER CONSUMPTION IN SELECTED COUNTRIES								
2012 and 2013								
('000 tonnes)								
Continent/Country	2012				2013			
	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total
Africa								
Egypt	1,086.8	163.0	60.0	1,309.8	1,113.5	177.0	62.0	1,352.5
Morocco	215.0	215.0	23.0	453.0	227.0	226.0	30.0	483.0
South Africa	425.0	190.0	124.0	739.0	422.0	186.0	122.0	730.0
America								
North America								
Canada	2,479.1	831.0	354.6	3,664.7	2,457.0	886.0	380.0	3,723.0
USA	12,050.3	4,215.1	4,461.0	20,726.4	11,690.0	4,088.2	4,397.2	20,175.4
Latin America and the Caribbean								
Brazil	3,435.0	4,325.4	4,844.0	12,604.4	3,698.0	4,641.0	5,094.0	13,433.0
Chile	264.2	128.8	95.0	488.0	282.9	129.5	101.0	513.4
Mexico	1,201.0	300.0	280.0	1,781.0	1,300.0	305.0	300.0	1,905.0
Asia								
Bangladesh	1,112.2	500.4	352.0	1,964.6	1,231.3	564.9	347.0	2,143.2
China, Main	34,294.0	12,400.0	6,000.0	52,694.0	35,010.0	11,200.0	6,500.0	52,710.0
India*	16,820.9	6,653.4	2,061.8	25,536.2	16,750.1	5,633.5	2,098.9	24,482.4
Indonesia	3,142.0	943.8	1,490.0	5,575.8	2,820.0	849.0	1,580.0	5,249.0
Japan	372.5	353.4	323.5	1,049.4	368.0	350.0	319.8	1,037.8
Rep. of Korea	270.0	90.0	115.0	475.0	270.0	90.0	112.0	472.0
Malaysia	600.0	320.0	1,290.0	2,210.0	620.0	320.0	1,290.0	2,230.0
Nepal	20.0	20.0	1.0	41.0	20.0	20.0	1.0	41.0
Pakistan	2,853.0	746.9	20.8	3,620.7	3,184.0	881.0	23.7	4,088.7
Sri Lanka	170.6	62.0	78.2	310.8	179.9	66.4	79.4	325.7
Thailand	1,382.3	400.0	370.0	2,152.3	1,479.7	494.0	448.0	2,421.7
Turkey	1,431.9	532.2	101.3	2,065.4	1,584.4	622.8	105.7	2,312.9
Vietnam	1,407.0	696.0	552.0	2,655.0	1,261.0	706.0	570.0	2,537.0
Europe								
Belarus	557.0	221.0	720.0	1,498.0	535.0	208.0	683.0	1,426.0
Denmark	194.0	12.0	46.0	252.0	195.0	13.0	46.0	254.0
France	2,139.5	495.4	510.1	3,145.0	2,206.8	473.1	480.1	3,160.0
Germany	1,647.8	284.7	421.0	2,353.5	1,675.0	284.0	457.1	2,416.1
Netherlands	201.0	15.0	30.0	246.0	195.0	13.0	23.0	231.0
Poland	1,204.0	387.0	415.0	2,006.0	1,172.0	394.0	403.0	1,969.0
Russian Fedn.	1,576.0	564.0	350.0	2,490.0	1,537.6	564.7	310.9	2,413.2
Spain	962.7	376.5	337.4	1,676.6	1,037.0	427.4	355.5	1,819.9
UK	995.0	194.0	267.5	1,456.5	1,059.0	201.0	283.5	1,543.5
Ukraine	1,254.1	268.3	141.0	1,663.4	1,373.0	283.0	108.0	1,764.0
Oceania								
Australia	1,099.0	802.7	214.4	2,116.1	1,314.8	815.8	215.0	2,345.6
New Zealand	369.5	303.4	107.6	780.5	444.8	316.3	123.0	884.1
World	108,637.8	41,650.4	28,949.8	179,238.0	110,502.9	40,305.9	29,995.7	180,804.5

* = Figures of India relate to 2012-13 and 2013-14.

Source: www.fertilizer.org



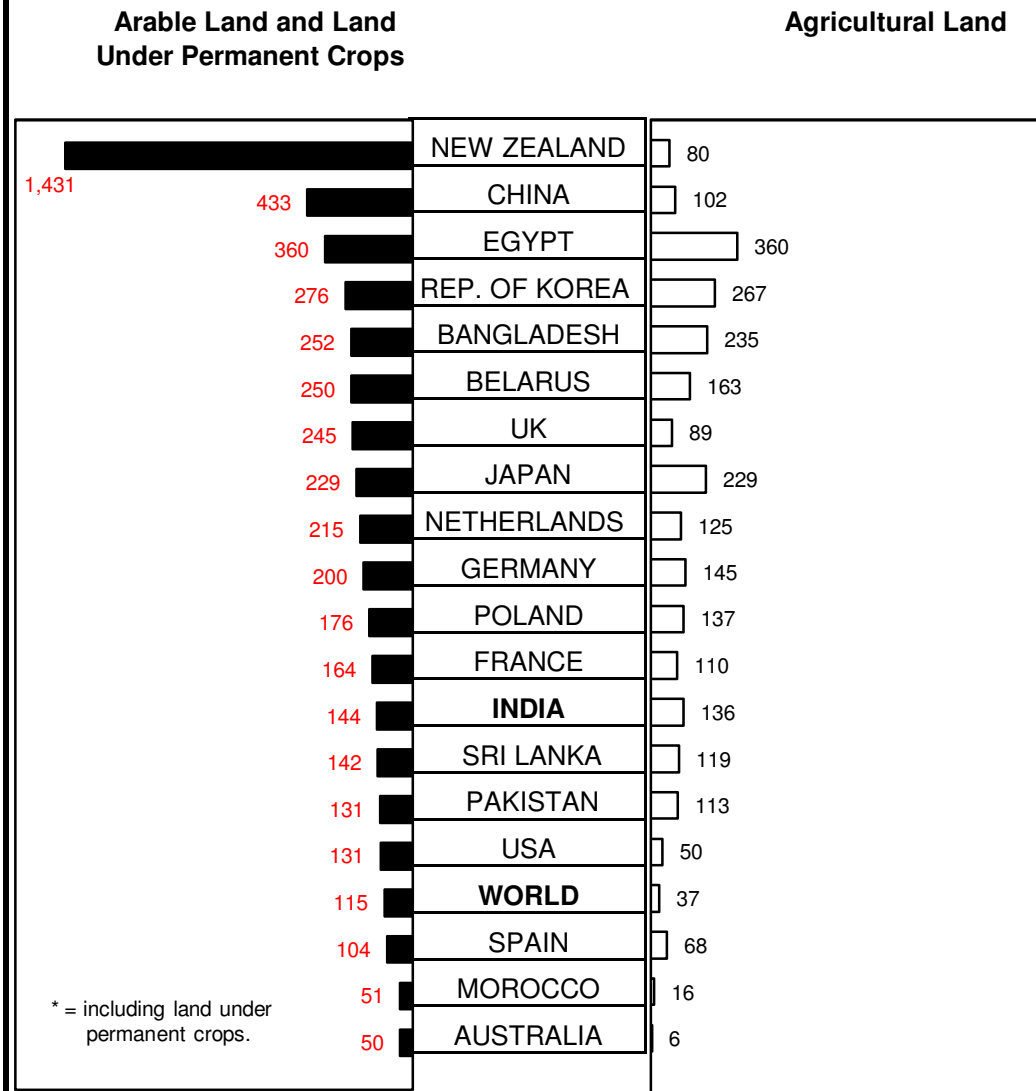
1.11 FERTILISER CONSUMPTION PER HECTARE OF AGRICULTURAL LAND 2012 and 2013								
Continent/Country	2012				2013			
	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total
Africa								
Egypt	294.0	44.1	16.2	354.4	296.1	47.1	16.5	359.6
Morocco	7.1	7.1	0.8	14.9	7.5	7.4	1.0	15.9
South Africa	4.4	2.0	1.3	7.6	4.4	1.9	1.3	7.5
America								
North America								
Canada	37.9	12.7	5.4	56.1	37.7	13.6	5.8	57.1
USA	29.5	10.3	10.9	50.7	28.8	10.1	10.8	49.8
Latin America and the Caribbean								
Brazil	12.5	15.7	17.6	45.7	13.3	16.6	18.3	48.2
Chile	16.7	8.1	6.0	30.9	17.9	8.2	6.4	32.5
Mexico	11.3	2.8	2.6	16.7	12.2	2.9	2.8	17.9
Asia								
Bangladesh	122.0	54.9	38.6	215.4	135.2	62.0	38.1	235.3
China, Main	66.6	24.1	11.7	102.4	68.0	21.8	12.6	102.4
India	93.6 (86.5)	37.0 (34.2)	11.5 (10.6)	142.2 (131.4)	92.9 (86.2)	31.2 (29.0)	11.6 (10.8)	135.8 (125.9)
Indonesia	55.6	16.7	26.4	98.7	49.5	14.9	27.7	92.1
Japan	81.9	77.7	71.1	230.7	81.1	77.1	70.5	228.7
Rep. of Korea	151.0	50.3	64.3	265.7	152.7	50.9	63.3	266.9
Malaysia	77.6	41.4	166.8	285.7	79.1	40.8	164.6	284.5
Nepal	4.9	4.9	0.2	9.9	4.9	4.9	0.2	9.9
Pakistan	79.1	20.7	0.6	100.4	87.8	24.3	0.7	112.7
Sri Lanka	63.4	23.0	29.1	115.5	65.7	24.2	29.0	118.9
Thailand	63.2	18.3	16.9	98.5	66.9	22.3	20.3	109.5
Turkey	37.3	13.9	2.6	53.8	41.2	16.2	2.8	60.2
Vietnam	129.6	64.1	50.9	244.6	116.0	64.9	52.4	233.3
Europe								
Belarus	63.3	25.1	81.9	170.3	61.3	23.8	78.3	163.4
Denmark	73.9	4.6	17.5	96.0	74.7	5.0	17.6	97.4
France	74.2	17.2	17.7	109.0	76.7	16.4	16.7	109.8
Germany	98.9	17.1	25.3	141.2	100.3	17.0	27.4	144.7
Netherlands	109.1	8.1	16.3	133.6	105.5	7.0	12.4	125.0
Poland	82.9	26.6	28.6	138.1	81.3	27.3	28.0	136.6
Russian Fedn.	7.4	2.6	1.6	11.6	7.1	2.6	1.4	11.1
Spain	35.7	14.0	12.5	62.2	38.5	15.9	13.2	67.5
UK	57.9	11.3	15.6	84.8	61.4	11.7	16.4	89.5
Ukraine	30.4	6.5	3.4	40.3	33.3	6.9	2.6	42.7
Oceania								
Australia	2.7	2.0	0.5	5.2	3.3	2.1	0.5	5.9
New Zealand	33.0	27.1	9.6	69.6	40.1	28.5	11.1	79.6
World	22.0	8.4	5.9	36.3	22.4	8.2	6.1	36.7

() = Fertiliser consumption per hectare of gross cropped area.

1.12 FERTILISER CONSUMPTION PER HECTARE OF ARABLE LAND AND LAND UNDER PERMANENT CROPS - 2012 and 2013								
Continent/Country	2012				2013			
	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total
Africa								
Egypt	294.0	44.1	16.2	354.4	296.1	47.1	16.5	359.6
Morocco	22.9	22.9	2.4	48.2	24.1	24.0	3.2	51.4
South Africa	32.9	14.7	9.6	57.2	32.7	14.4	9.4	56.5
America								
North America								
Canada	48.9	16.4	7.0	72.2	48.5	17.5	7.5	73.5
USA	76.4	26.7	28.3	131.4	75.7	26.5	28.5	130.6
Latin America and the Caribbean								
Brazil	43.1	54.3	60.8	158.3	44.7	56.0	61.5	162.2
Chile	147.3	71.8	53.0	272.0	160.2	73.3	57.2	290.7
Mexico	46.5	11.6	10.8	69.0	50.6	11.9	11.7	74.2
Asia								
Bangladesh	130.5	58.7	41.3	230.6	144.7	66.4	40.8	251.9
China, Main	281.7	101.9	49.3	432.9	287.6	92.0	53.4	433.0
India	99.3 (86.5)	39.3 (34.2)	12.2 (10.6)	150.8 (131.4)	98.5 (86.2)	33.1 (29.0)	12.3 (10.8)	144.0 (125.9)
Indonesia	69.1	20.7	32.7	122.5	61.3	18.5	34.3	114.1
Japan	81.9	77.7	71.1	230.7	81.1	77.1	70.5	228.7
Rep. of Korea	156.1	52.0	66.5	274.6	157.8	52.6	65.5	275.9
Malaysia	80.5	43.0	173.2	296.6	82.1	42.4	170.8	295.2
Nepal	8.6	8.6	0.4	17.6	8.6	8.6	0.4	17.6
Pakistan	91.8	24.0	0.7	116.6	101.8	28.2	0.8	130.7
Sri Lanka	75.8	27.6	34.8	138.1	78.2	28.9	34.5	141.6
Thailand	65.6	19.0	17.6	102.2	69.4	23.2	21.0	113.6
Turkey	60.2	22.4	4.3	86.8	66.6	26.2	4.4	97.2
Vietnam	137.8	68.2	54.1	260.0	123.2	69.0	55.7	248.0
Europe								
Belarus	98.7	39.2	127.6	265.5	94.0	36.5	120.0	250.5
Denmark	80.0	5.0	19.0	104.0	80.8	5.4	19.1	105.2
France	110.9	25.7	26.4	163.1	114.3	24.5	24.9	163.7
Germany	136.9	23.7	35.0	195.6	138.7	23.5	37.9	200.1
Netherlands	192.0	14.3	28.7	235.0	181.5	12.1	21.4	215.0
Poland	106.3	34.2	36.7	177.2	104.6	35.2	36.0	175.7
Russian Fedn.	13.0	4.6	2.9	20.5	12.4	4.6	2.5	19.5
Spain	54.9	21.5	19.2	95.6	59.1	24.4	20.3	103.8
UK	159.0	31.0	42.7	232.7	167.8	31.9	44.9	244.6
Ukraine	37.5	8.0	4.2	49.8	41.1	8.5	3.2	52.8
Oceania								
Australia	23.1	16.9	4.5	44.6	28.2	17.5	4.6	50.3
New Zealand	636.6	522.7	185.4	1,344.8	719.7	511.8	199.0	1,430.6
World	68.9	26.4	18.4	113.7	70.1	25.6	19.0	114.8

() = Fertiliser consumption per hectare of gross cropped area.

Fig. 9: CONSUMPTION OF PLANT NUTRIENTS PER HECTARE OF ARABLE LAND* AND AGRICULTURAL LAND IN SELECTED COUNTRIES (Kg.) - 2013



**1.13 CONSUMPTION RATIO OF N AND P₂O₅ IN RELATION TO K₂O
AND N IN RELATION TO P₂O₅ - 2012 and 2013**

Continent/Country	N : P ₂ O ₅ : K ₂ O						N : P ₂ O ₅			
	2012			2013			2012		2013	
	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	N	P ₂ O ₅
Africa										
Egypt	18.1	2.7	1	18.0	2.9	1	6.7	1	6.3	1
Morocco	9.3	9.3	1	7.6	7.5	1	1.0	1	1.0	1
South Africa	3.4	1.5	1	3.5	1.5	1	2.2	1	2.3	1
America										
North America										
Canada	7.0	2.3	1	6.5	2.3	1	3.0	1	2.8	1
USA	2.7	0.9	1	2.7	0.9	1	2.9	1	2.9	1
Latin America and the Caribbean										
Brazil	0.7	0.9	1	0.7	0.9	1	0.8	1	0.8	1
Chile	2.8	1.4	1	2.8	1.3	1	2.1	1	2.2	1
Mexico	4.3	1.1	1	4.3	1.0	1	4.0	1	4.3	1
Asia										
Bangladesh	3.2	1.4	1	3.5	1.6	1	2.2	1	2.2	1
China, Main	5.7	2.1	1	5.4	1.7	1	2.8	1	3.1	1
India*	8.2	3.2	1	8.0	2.7	1	2.5	1	3.0	1
Indonesia	2.1	0.6	1	1.8	0.5	1	3.3	1	3.3	1
Japan	1.2	1.1	1	1.2	1.1	1	1.1	1	1.1	1
Rep. of Korea	2.3	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	1.9	1
Nepal	20.0	20.0	1	20.0	20.0	1	1.0	1	1.0	1
Pakistan	137.2	35.9	1	134.3	37.2	1	3.8	1	3.6	1
Sri Lanka	2.2	0.8	1	2.3	0.8	1	2.8	1	2.7	1
Thailand	3.7	1.1	1	3.3	1.1	1	3.5	1	3.0	1
Turkey	14.1	5.3	1	15.0	5.9	1	2.7	1	2.5	1
Vietnam	2.5	1.3	1	2.2	1.2	1	2.0	1	1.8	1
Europe										
Belarus	0.8	0.3	1	0.8	0.3	1	2.5	1	2.6	1
Denmark	4.2	0.3	1	4.2	0.3	1	16.2	1	15.0	1
France	4.2	1.0	1	4.6	1.0	1	4.3	1	4.7	1
Germany	3.9	0.7	1	3.7	0.6	1	5.8	1	5.9	1
Netherlands	6.7	0.5	1	8.5	0.6	1	13.4	1	15.0	1
Poland	2.9	0.9	1	2.9	1.0	1	3.1	1	3.0	1
Russian Fedn.	4.5	1.6	1	4.9	1.8	1	2.8	1	2.7	1
Spain	2.9	1.1	1	2.9	1.2	1	2.6	1	2.4	1
UK	3.7	0.7	1	3.7	0.7	1	5.1	1	5.3	1
Ukraine	8.9	1.9	1	12.7	2.6	1	4.7	1	4.9	1
Oceania										
Australia	5.1	3.7	1	6.1	3.8	1	1.4	1	1.6	1
New Zealand	3.4	2.8	1	3.6	2.6	1	1.2	1	1.4	1
World	3.8	1.4	1	3.7	1.3	1	2.6	1	2.7	1

*= Figures of India relate to 2012-13 and 2013-14.

1.14 FERTILISER CONSUMPTION PER CAPITA, PER HECTARE AND YIELD OF PRINCIPAL CROPS - 2013 (Provisional)							
Continent/Country	Fertiliser Consumption (N+P ₂ O ₅ +K ₂ O)			Yield per hectare ¹			
	Per hectare of		Per Capita of Agricultural Population ²	Paddy	Wheat	Maize	Potato
	Agricultural Land	Arable Land & Land Under Permanent Crops					
Africa							
Egypt	359.6	359.6	60.1	9530	6668	7733	26966
Morocco	15.9	51.4	59.4	7543	2164	663	36357
South Africa	7.5	56.5	153.3	2609	3614	3842	34121
America							
North America							
Canada	57.1	73.5	6014.5	-	3594	9588	32512
USA	49.8	130.6	4000.7	8624	3172	9970	46612
Latin America and the Caribbean							
Brazil	48.2	162.2	656.5	5007	2749	5254	27752
Chile	32.5	290.7	227.1	6205	5814	10632	23379
Mexico	17.9	74.2	95.3	5425	5293	3194	26775
Asia							
Bangladesh	235.3	251.9	32.1	4376	3014	6624	19379
China, Main	102.4	433.0	63.5	6717	5056	6016	17088
India	135.8	144.0	41.2	3623	3154	2452	22761
Indonesia	92.1	114.1	59.0	5152	-	4844	16270
Japan	228.7	228.7	410.7	6728	3862	2727	31325
Rep. of Korea	266.9	275.9	228.5	6764	3680	5059	26520
Malaysia	284.5	295.2	670.7	3817	-	8968	-
Nepal	9.9	17.6	1.4	3171	2290	2353	13641
Pakistan	112.7	130.7	54.8	2437	2787	4231	21802
Sri Lanka	118.9	141.6	36.0	3889	-	3087	15321
Thailand	109.5	113.6	86.3	2915	1250	4418	15001
Turkey	60.2	97.2	162.5	8138	2837	8939	31576
Vietnam	233.3	248.0	45.5	5573	-	4435	13580
Europe							
Belarus	163.4	250.5	1745.4	-	3062	5566	19362
Denmark	97.4	105.2	1854.0	-	7284	5914	40000
France	109.8	163.7	2598.7	4039	7254	8139	43404
Germany	144.7	200.1	1957.9	-	7998	8828	39826
Netherlands	125.0	215.0	581.9	-	8719	11523	43652
Poland	136.6	175.7	356.7	-	4430	6584	18785
Russian Fedn.	11.1	19.5	215.3	4947	2229	5011	14464
Spain	67.5	103.8	931.4	7522	3583	11326	30937
UK	89.5	244.6	1701.8	-	7381	-	40144
Ukraine	42.7	52.8	351.6	5994	3471	6412	15995
Oceania							
Australia	5.9	50.3	2699.2	10218	1761	6444	38543
New Zealand	79.6	1430.6	2631.3	-	9105	10821	46667
World	36.7	114.8	69.0	4486	3268	5500	19468

Note: ¹ Yield figures have been rounded.

² Based on agricultural population 2011.

1.15 IMPORT AND EXPORT OF N, P ₂ O ₅ & K ₂ O - 2013								
Continent/Country	Import				Export			
	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total
('000 tonnes)								
Africa								
Egypt	0.3	0.3	47.1	47.7	956.4	100.7	0.5	1,057.5
Libya	2.9	7.4	-	10.2	159.5	-	-	159.5
Morocco	112.9	15.1	30.7	158.7	462.0	1,786.3	-	2,248.3
South Africa	362.9	65.7	199.4	628.0	91.9	68.9	22.0	182.9
Tunisia	30.8	1.0	7.0	38.8	151.2	593.2	7.2	751.6
America								
North America								
Canada	824.5	495.3	24.3	1,344.0	1,289.8	9.1	9,541.4	10,840.2
USA	9,339.4	1,110.0	5,846.4	16,295.7	1,779.9	2,550.6	294.5	4,625.1
Latin America and the Caribbean								
Brazil	3,334.9	2,711.1	4,456.3	10,502.3	148.5	185.0	20.4	353.9
Chile	309.1	132.5	31.2	472.9	110.7	1.2	852.8	964.8
Mexico	860.9	222.1	219.8	1,302.8	113.7	438.0	7.3	559.1
Trinidad & Tobago	0.4	0.5	1.4	2.3	217.9	-	-	217.9
Venezuela	48.2	80.7	117.0	245.8	222.9	0.4	-	223.3
Asia								
Bangladesh	304.0	415.3	373.3	1,092.6	-	-	-	-
Bahrain	0.2	0.2	1.4	1.7	312.3	-	-	312.3
China	228.0	291.6	3,851.8	4,371.4	5,411.5	2,932.7	232.8	8,577.0
India*	3,920.3	1,588.2	1,954.4	7,463.0	N.A.	N.A.	N.A.	N.A.
Indonesia	328.3	276.5	1,383.0	1,987.8	675.5	57.2	-	732.8
Iran	12.0	194.1	16.7	222.7	300.0	5.3	0.1	305.3
Israel	44.1	4.6	1.2	49.9	29.4	456.9	1,725.0	2,211.3
Japan	168.4	144.7	388.6	701.8	152.4	3.4	3.4	159.1
Jordan	14.3	3.8	4.5	22.6	120.5	267.6	997.2	1,385.3
Rep. of Korea	250.0	42.3	306.0	598.3	234.7	125.4	32.3	392.5
Kuwait	0.7	0.6	1.7	2.9	448.5	-	-	448.5
Malaysia	483.7	259.4	839.2	1,582.3	487.3	16.8	37.5	541.7
Oman	10.6	1.5	5.3	17.4	973.4	-	-	973.4
Pakistan	598.2	397.0	7.5	1,002.7	-	-	-	-
Philippines	250.7	35.1	42.4	328.1	8.9	7.8	2.6	19.2
Qatar	-	-	1.2	1.2	1,996.9	-	-	1,996.9
S. Arabia	9.0	23.0	6.6	38.6	1,741.2	850.1	-	2,591.2
Sri Lanka	127.1	26.8	44.2	198.1	-	-	-	-
Thailand	1,578.2	620.1	599.2	2,797.6	44.9	17.9	15.9	78.7
Turkey	1,271.2	274.1	110.6	1,655.9	33.8	45.9	9.4	89.0
UAE	3.3	3.3	17.7	24.3	608.3	3.9	3.9	616.1
Vietnam	871.0	540.4	670.5	2,081.8	244.2	144.2	53.2	441.6
Europe								
Belarus	83.9	69.2	1.3	154.4	447.0	57.7	3,475.7	3,980.4
France	2,068.1	431.1	578.7	3,077.9	232.7	28.8	42.3	303.7
Germany	967.0	309.0	180.2	1,456.2	801.3	60.5	2,223.2	3,085.0
Italy	532.0	200.5	241.4	973.9	121.1	60.9	43.8	225.7
Lithuania	167.6	88.7	79.4	335.7	778.8	400.7	28.2	1,207.7
Netherlands	140.0	132.0	608.0	880.0	1,587.9	212.1	576.3	2,376.2
Poland	354.0	152.1	555.7	1,061.7	564.4	103.0	70.8	738.2
Romania	159.6	131.1	62.4	353.1	456.8	41.2	31.4	529.4
Russian Fedn.	15.3	8.4	8.5	32.2	5,798.4	2,571.9	4,501.0	12,871.3
Spain	678.5	294.2	337.6	1,310.3	238.5	74.1	563.9	876.4
Ukraine	430.9	253.0	243.2	927.1	1,512.8	14.2	11.8	1,538.8
United Kingdom	783.0	206.8	160.8	1,150.5	40.2	12.4	12.0	64.6
Oceania								
Australia	1,077.6	586.2	173.9	1,837.7	73.0	154.0	0.5	227.5
New Zealand	357.7	107.5	99.3	564.5	0.5	0.2	0.2	0.9
World	41,569.3	16,320.7	28,880.7	86,771	36,283.5	15,913.7	26,934.5	79,131.7

* = Figures of India relate to 2013-14.

Note: Totals 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 — 2007 to 2015						
(US\$/tonne product bulk)						
Year/ Period	Urea		DAP		MOP	
	CIS	Middle East	US Gulf	N. Africa	Vancouver	CIS
	Min.-Max.	Min.-Max.	Min.-Max.	Min.-Max.	Min.-Max.	Min.-Max.
2007						
Jan./March	248-330	268-335	269-435	273-438	160-195	150-190
April/June	262-302	300-330	414-440	415-440	165-210	160-230
July/Sept.	240-330	277-320	420-440	435-475	175-255	160-270
Oct./Dec.	315-410	320-410	430-610	470-575	235-325	230-400
2008						
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
2009						
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
2010						
Jan./March	252-300	285-330	390-510	390-502	330-365	310-360
April/June	210-258	228-285	430-470	440-475	330-365	330-360
July/Sept.	235-340	248-330	430-575	448-572	330-365	325-345
Oct./Dec.	323-380	330-390	565-600	560-603	330-400	325-405
2011						
Jan./March	300-380	325-400	585-625	574-655	365-435	370-440
April/June	300-515	331-525	600-645	610-690	395-510	395-510
July/Sept.	440-512	495-530	630-660	665-710	470-510	445-525
Oct./Dec.	295-500	375-530	580-635	595-705	470-510	445-515
2012						
Jan./March	325-445	375-480	495-540	518-645	480-510	460-505
April/June	355-535	410-530	494-575	520-603	460-510	450-490
July/Sept.	360-426	380-415	545-570	543-597	450-490	440-490
Oct./Dec.	360-412	400-415	490-550	517-590	440-475	435-470
2013						
Jan./March	363-445	395-450	455-516	470-540	400-460	395-455
April/June	298-375	315-365	460-513	490-530	400-435	390-410
July/Sept.	265-330	280-320	380-465	400-505	360-435	310-410
Oct./Dec.	277-335	280-330	340-385	370-435	275-345	255-380
2014						
Jan./March	290-370	310-402	403-500	390-550	265-325	240-325
April/June	280-311	275-320	435-500	460-540	280-325	255-335
July/Sept.	285-340	290-362	460-511	505-540	280-340	265-335
Oct./Dec.	295-327	300-345	442-470	490-540	280-340	265-335
2015						
Jan./March	245-325	300-328	470-487	475-535	300-340	265-330
April/June	245-298	295-328	455-475	480-517	305-340	265-335
July/Sept..	238-290	255-310	460-475	495-510	265-340	265-335

2.01 (b) MAXIMUM AND MINIMUM FOB PRICES OF UREA, DAP and MOP — 1998 to 2015						
(US \$/tonne product bulk)						
Year	Urea		DAP		MOP	
	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
1998	65 (Nov.)	130 (April)	188 (Jan.)	220 (Oct.)	82 (Jan.)	127 (July)
1999	60 (April)	97	141 (Nov.)	208	90 (Jan.)	129 (Sept.)
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.)	390 (Jan.)	550 (Feb.)	240 (Jan.)	340 (July)
2015 (Jan.-Sept.)	238 (Sept.)	328 (Feb.)	455 (Apr.)	535 (Jan.)	265 (Jan.)	340 (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				
2007 to 2015				
(US \$/tonne)				
Year / Period	Urea		DAP	
	Black Sea	M. East	US Gulf	Jordan
	Min.-Max.	Min.-Max.	Min.-Max.	Min.-Max.
2007				
Jan./March	30-34	18-20	54-59	25-29
April/June	42-51	21-27	63-70	31-33
July/Sept.	53-65	25-32	68-87	33-41
Oct./Dec.	70-80	30-43	95-108	43-53
2008				
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
2009				
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
2010				
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
2011				
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
2012				
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
2013				
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
2014				
Jan./March	35-38	13-15	44-49	24-25
April/June	35-38	13-15	40-46	24-25
July/Sept.		13-15*	35-44	17-25
Oct./Dec.		13-15*	38-44	18-21
2015				
Jan./March		10-15*	26-37	13-20
April/June		8-10*	26-30	13-14
July/Sept..		8-10*	26-30	13-15

* = From M. East and China.

2.03 AVERAGE CFR (India) PRICES OF UREA, DAP and MOP 1970-71 to 2014-15			
			(US \$/tonne)
Year	Urea ¹	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 ²	370
2011-12	} JV - 215.19 Direct - 481.74	650 ²	478
2012-13	} JV - 227.63 Direct - 417.40	580	492
2013-14 (P)	} JV - 172.41 Direct - 322.66	475	375-424
2014-15 (P)	} JV - 179.66 Direct - 303.94	465	322

1 = Weighted average price. 2 = Average FOB price + Ocean freight from published documents.
CFR = Cost & Freight. () = Range of minimum and maximum prices. (P) = Provisional.

Fig. 10: AVERAGE CFR (INDIA) PRICES OF UREA, DAP AND MOP

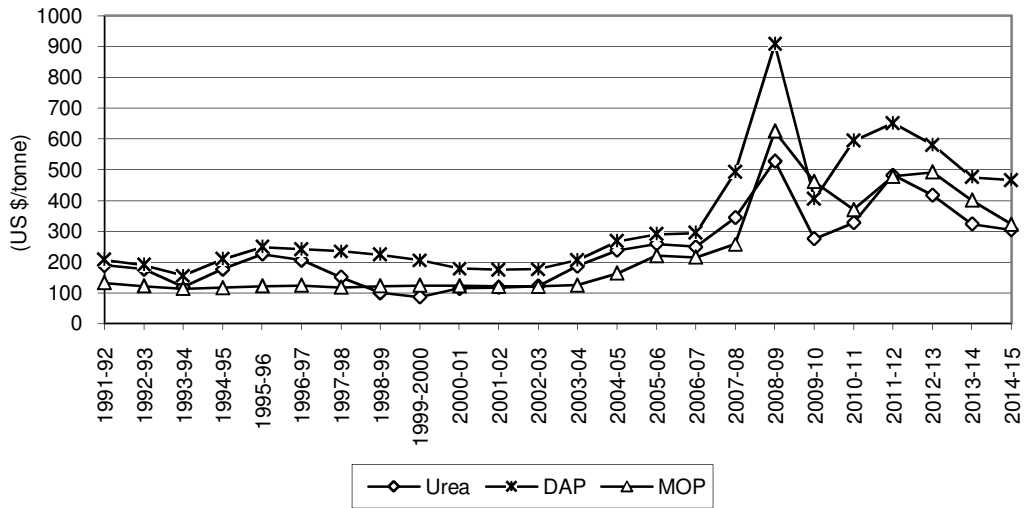
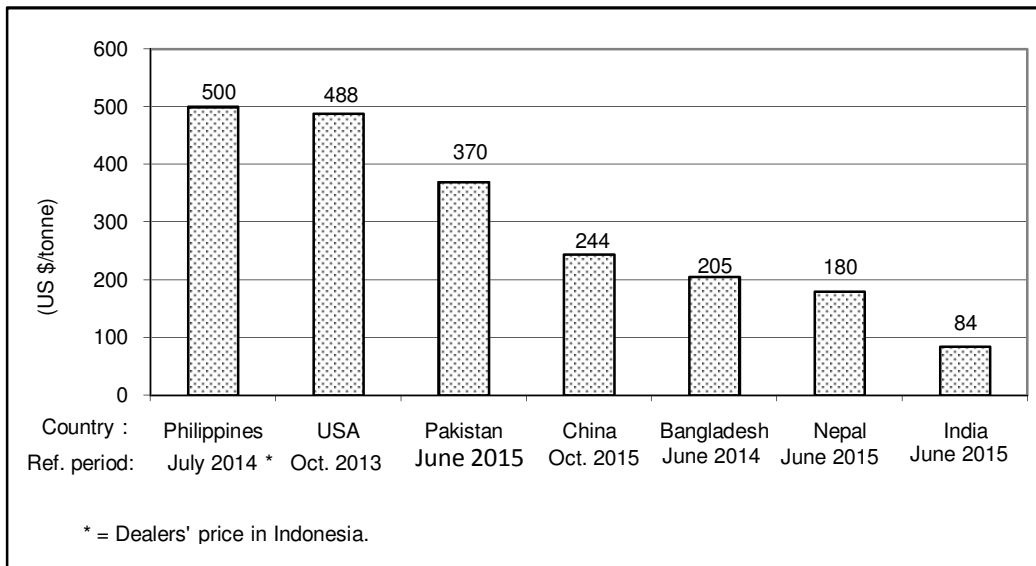


Fig. 11: AVERAGE RETAIL PRICES OF UREA IN SELECTED COUNTRIES



2.04 FERTILISER AND FOOD PRICE INDICES - 2008 to 2014 (2002-2004 = 100)							
Item	2008	2009	2010	2011	2012	2013	2014
Fertiliser price index¹							
Urea	362	184	208	308	291	236	223
DAP	537	176	264	337	281	232	250
MOP	573	542	296	388	401	325	254
Food price index²							
Cereals	232	170	179	241	236	219	192
Dairy	223	149	207	230	194	243	224
Meat	161	141	158	183	182	184	198
Vegetable Oils	227	153	197	255	224	193	181
Sugar	182	257	302	369	306	251	241
Food	201	160	188	230	213	210	202
Source:							
1 = Calculated from average FOB prices quoted in various Fertiliser Trade Journals.							
2 = World Food Situation: <i>Food Price Index October 2015</i> , FAO, Rome,							

PART III

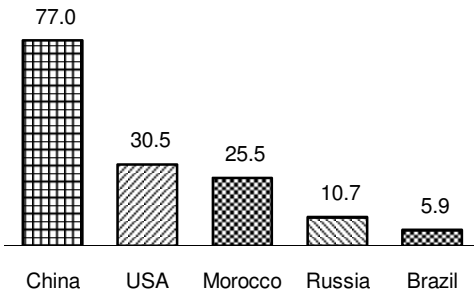
SECTION 2

**FEEDSTOCK/RAW MATERIALS
AND INTERMEDIATES**

Fig. 1: PRODUCTION OF ROCK PHOSPHATE, SULPHUR, AMMONIA AND PHOSPHORIC ACID BY THE MAJOR PRODUCING COUNTRIES - 2013

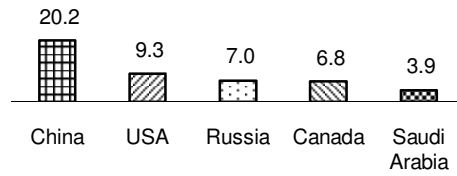
ROCK PHOSPHATE (Mte product)

World Total - 193.4



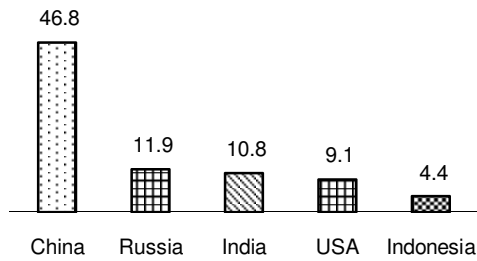
SULPHUR (Mte S/S-equivalent)

World Total - 85.2



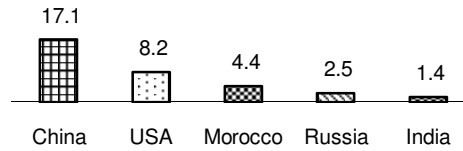
AMMONIA (Mte N)

World Total - 139.5



PHOSPHORIC ACID (Mte P₂O₅)

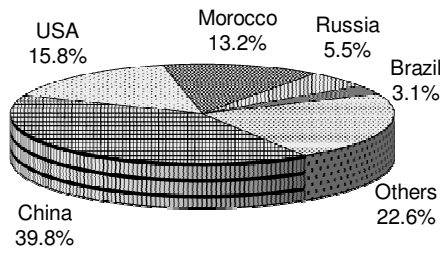
World Total - 42.5



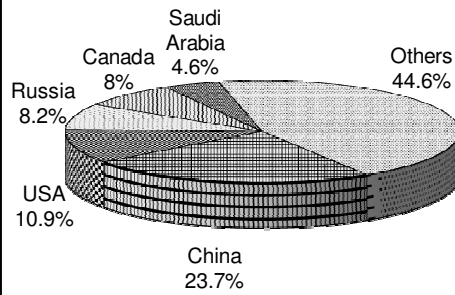
Note: Mte = Million tonnes.

Fig. 2: PERCENTAGE SHARE OF MAJOR PRODUCING COUNTRIES TO WORLD PRODUCTION OF ROCK PHOSPHATE, SULPHUR, AMMONIA AND PHOSPHORIC ACID - 2013

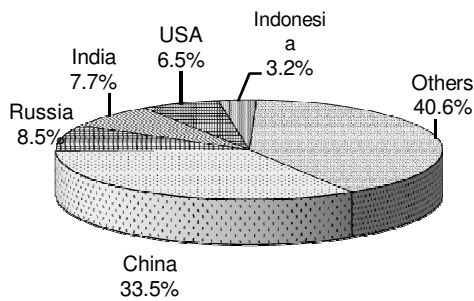
ROCK PHOSPHATE



SULPHUR



AMMONIA



PHOSPHORIC ACID

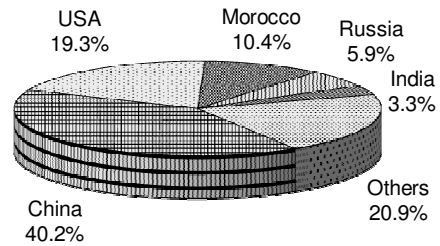


Fig. 3: EXPORT OF ROCK PHOSPHATE, SULPHUR, AMMONIA AND PHOSPHORIC ACID BY THE MAJOR EXPORTING COUNTRIES - 2013

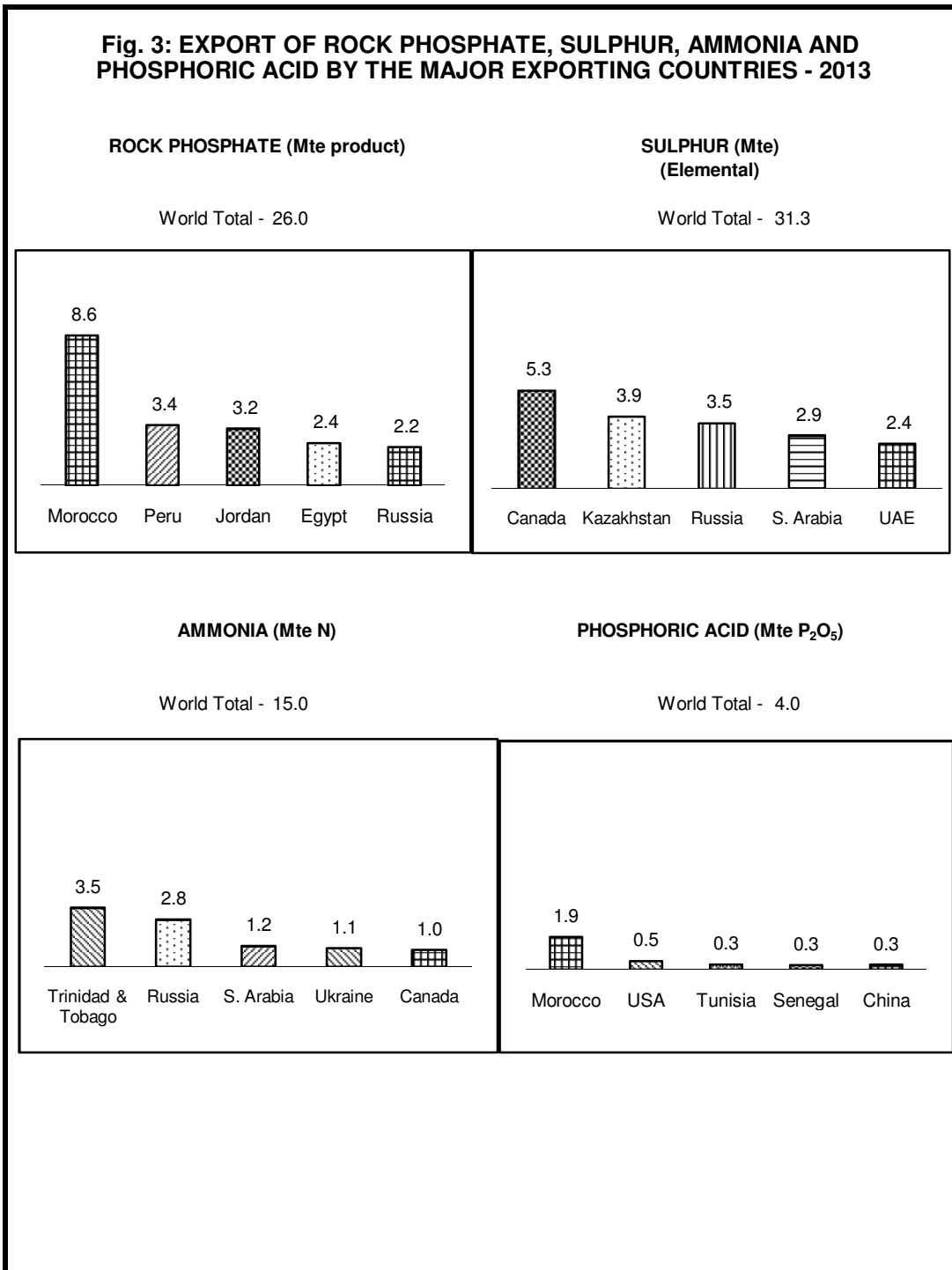
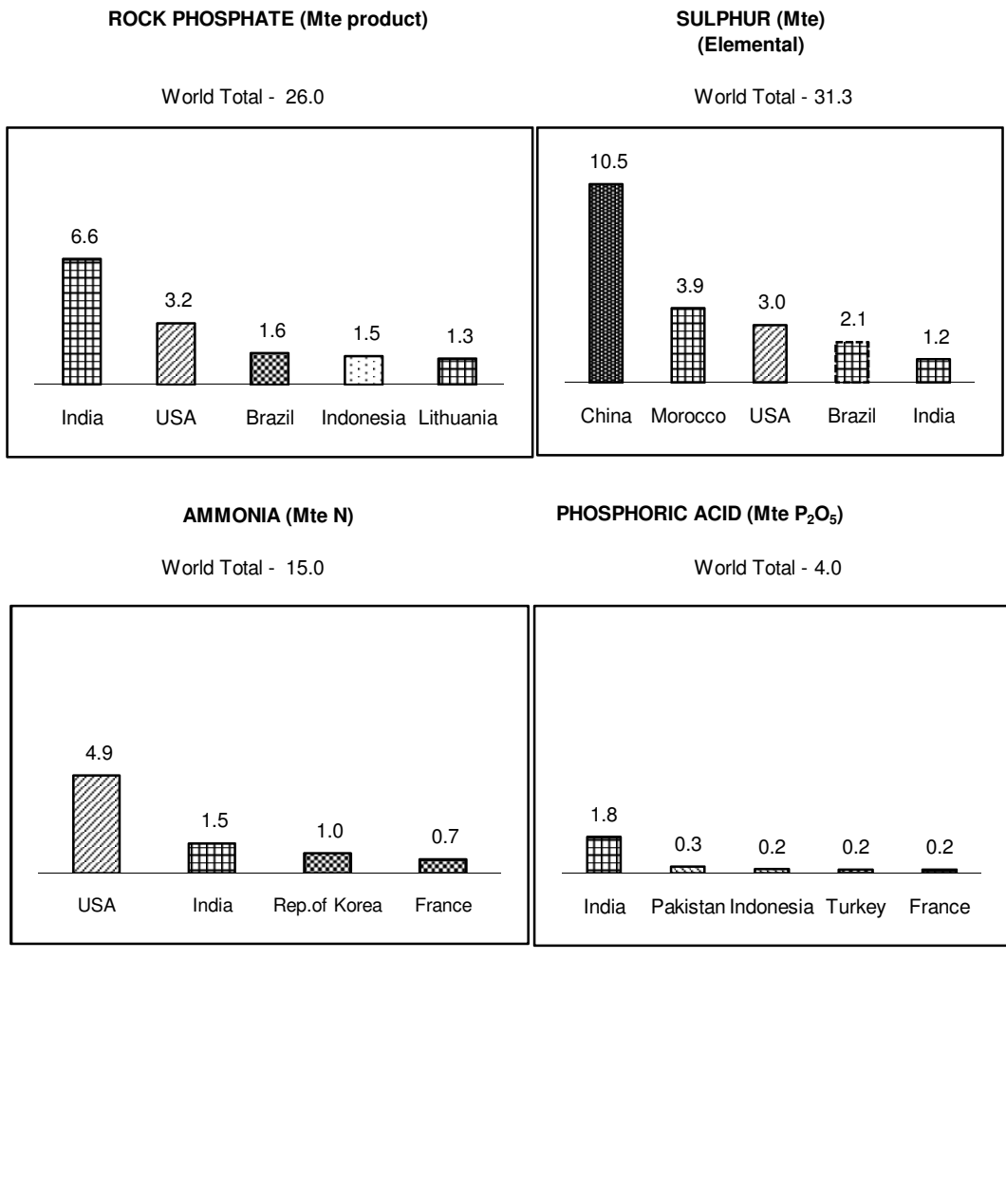


Fig. 4: IMPORT OF ROCK PHOSPHATE, SULPHUR, AMMONIA AND PHOSPHORIC ACID BY THE MAJOR IMPORTING COUNTRIES - 2013



1.00 PRICES OF FEEDSTOCKS/RAW MATERIALS/ INTERMEDIATES

1.01 RANGE OF FOB PRICES — AMMONIA, PHOSPHORIC ACID, ROCK PHOSPHATE AND SULPHUR — SOURCEWISE 2007 to 2015						
(US \$/tonne)						
Year Period	Anhydrous ammonia (as NH ₃)		Phosphoric acid (as P ₂ O ₅)	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.
2007						
Jan./March	260-330	272-287	360-400	41-49	39-48	25-87
April/June	265-335	235-278	470-510	41-80	39-70	25-135
July/Sept.	220-270	230-282	470-510	42-80	50-147	125-215
Oct./Dec.	220-335	250-400	470-510	42-80	101-185	125-504
2008						
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
2009						
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
2010						
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
2011						
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
2012						
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
2013						
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
2014						
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
2015						
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	120-165
July/Sept..	380-435	380-405	695	110-140	110-154	106-165

* = 70% BPL

= June 2010.

\$ = Sept. 2009.

** = January 2009.

1.02 CFR (INDIA) PRICES OF AMMONIA AND PHOSPHORIC ACID 2006-07 to 2015-16				
Period	Ammonia			Phosphoric acid (US \$/tonne)
	Range		Weighted average	
	Min.	Max.		
2006-07				
April/June2006	260.53	379.74	326.99	461.25
July/Sept.2006	215.50	313.50	255.42	461.25
Oct./Dec.2006	230.66	298.25	271.35	461.25
Jan./March2007	293.18	368.02	324.08	461.25
2007-08				
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
2008-09				
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
2009-10				
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
2010-11				
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
2011-12				
April/June2011	485	605		980
July/Sept.2011	513	660		1050
Oct./Dec.2011	520	715		1080
Jan./March2012	288	625		960-1080
2012-13				
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
2013-14 (P)				
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
2014-15 (P)				
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
2015-16 (P)				
April/June2015	405	500		805-810
July/Sept.2015	410	502		805-810

(P) = Provisional.

1.03 AVERAGE CFR (India) PRICES OF ROCK PHOSPHATE AND SULPHUR		
1995 to 2015		
(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 (Jan./Sept.)	143-150	120-199

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
Average	470.1	276.0	553.7	293.8	729.8	408.4
	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
Average	660.8	433.0	602.3	414.1	744.2	488.6
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 2014

(US dollars per million Btu)

Year	LNG Japan cif	Natural gas				Crude oil OECD countries (cif)
		Average German Import Price	UK Heren NBP 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	3.19	–	1.49	0.89	3.33
1992	3.62	2.69	–	1.77	0.98	3.19
1993	3.52	2.50	–	2.12	1.69	2.82
1994	3.18	2.35	–	1.92	1.45	2.70
1995	3.46	2.39	–	1.69	0.89	2.96
1996	3.66	2.46	1.87	2.76	1.12	3.54
1997	3.91	2.64	1.96	2.53	1.36	3.29
1998	3.05	2.32	1.86	2.08	1.42	2.16
1999	3.14	1.88	1.58	2.27	2.00	2.98
2000	4.72	2.89	2.71	4.23	3.75	4.83
2001	4.64	3.66	3.17	4.07	3.61	4.08
2002	4.27	3.23	2.37	3.33	2.57	4.17
2003	4.77	4.06	3.33	5.63	4.83	4.89
2004	5.18	4.32	4.46	5.85	5.03	6.27
2005	6.05	5.88	7.38	8.79	7.25	8.74
2006	7.14	7.85	7.87	6.76	5.83	10.66
2007	7.73	8.03	6.01	6.95	6.17	11.95
2008	12.55	11.56	10.79	8.85	7.99	16.76
2009	9.06	8.52	4.85	3.89	3.38	10.41
2010	10.91	8.01	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	10.73	10.63	3.71	2.93	18.25
2014	16.33	9.11	8.22	4.35	3.87	16.80

Note: Btu = British thermal units; cif = cost+insurance+freight (average prices).

Source: BP Statistical Review of World Energy, June 2015.

1.06 COAL PRICES AT VARIOUS SOURCES - 1990 to 2014

(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

Note: CAPP = Central Appalachian; cif = cost+insurance+freight (average prices); fob = free on board.

Source: *BP Statistical Review of World Energy*, June 2015.

1.07 SPOT CRUDE OIL PRICES AT VARIOUS SOURCES - 1975 to 2014				
(US dollars per barrel)				
Year	Dubai ¹	Brent ²	Nigerian Forcados	West Texas Intermediate ³
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

Note : 1) 1977-1985 Arabian Light, 1986-2014 Dubai dated.
2) 1977-1983 Forties, 1984-2014 Brent dated.
3) 1977-1983 posted WTI prices, 1984-2014 Spot WTI (Cushing) prices.
Source: BP Statistical Review of World Energy, June 2015.

2.00 CRUDE OIL RESERVES AND ENERGY CONSUMPTION

2.01 CRUDE OIL RESERVES IN SELECTED COUNTRIES							
(Billion barrels)							
Country	1991	2001	2010	2011	2012	2013	2014
Algeria	9.2	11.3	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
Australia	3.2	5.0	3.8	3.9	3.9	4.0	4.0
Brazil	4.8	8.5	14.2	15.0	15.3	15.6	16.2
Canada	40.1	180.9	175.2	174.6	174.3	172.9	172.9
China	15.5	15.4	14.8	17.3	18.1	18.5	18.5
India	6.1	5.5	5.8	5.7	5.7	5.7	5.7
Indonesia	5.9	5.1	4.2	3.7	3.7	3.7	3.7
Iran	92.9	99.1	151.2	154.6	157.0	157.8	157.8
Iraq	100.0	115.0	115.0	143.1	150.0	150.0	150.0
Kuwait	96.5	96.5	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
Malaysia	3.7	4.5	5.9	3.7	3.7	3.8	3.8
Mexico	50.9	18.8	11.7	11.4	11.4	11.1	11.1
Nigeria	20.0	31.5	37.2	37.2	37.1	37.1	37.1
Russian Fedn.	N.A.	73.0	86.6	87.1	92.1	105.0	103.2
Saudi Arabia	260.9	262.7	264.5	265.4	265.9	265.9	267.0
UAE	98.1	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	48.5
Venezuela	62.6	77.7	296.5	297.6	297.6	298.3	298.3
World	1,032.7	1,267.4	1,622.1	1,654.1	1,687.3	1,701.0	1,700.1

Source: BP Statistical Review of World Energy, June 2015.

2.02 PRIMARY COMMERCIAL ENERGY CONSUMPTION IN SELECTED COUNTRIES - 2014								
Country	Oil (mmt)	Gas (mtoe)	Oil & Gas (mtoe)	Coal (mtoe)	Nuclear energy (mtoe)	Hydro electricity (mtoe)	Others*	Primary Energy (mtoe)
Brazil	142.5	35.7	178.2	15.3	3.5	83.6	15.4	296.0
% share	(48.1)	(12.1)	(60.2)	(5.2)	(1.2)	(28.2)	(5.2)	(100.0)
Canada	103.0	93.8	196.8	21.2	24.0	85.7	4.9	332.7
% share	(31.0)	(28.2)	(59.2)	(6.4)	(7.2)	(25.8)	(1.5)	(100.0)
China	520.3	166.9	687.2	1,962.4	28.6	240.8	53.1	2,972.1
% share	(17.5)	(5.6)	(23.1)	(66.0)	(1.0)	(8.1)	(1.8)	(100.0)
France	76.9	32.3	109.2	9.0	98.6	14.2	6.5	237.5
% share	(32.4)	(13.6)	(46.0)	(3.8)	(41.5)	(6.0)	(2.7)	(100.0)
Germany	111.5	63.8	175.3	77.4	22.0	4.6	31.7	311.0
% share	(35.9)	(20.5)	(56.4)	(24.9)	(7.1)	(1.5)	(10.2)	(100.0)
India	180.7	45.6	226.3	360.2	7.8	29.6	13.9	637.8
% share	(28.3)	(7.1)	(35.5)	(56.5)	(1.2)	(4.6)	(2.2)	(100.0)
Iran	93.2	153.2	246.4	1.1	1.0	3.4	0.10	252.0
% share	(37.0)	(60.8)	(97.8)	(0.4)	(0.4)	(1.3)	(-)	(100.0)
Japan	196.8	101.2	298.0	126.5	-	19.8	11.6	456.1
% share	(43.2)	(22.2)	(65.3)	(27.7)	-	(4.4)	(2.6)	(100.0)
Russian Fedn.	148.1	368.3	516.4	85.2	40.9	39.3	0.1	681.9
% share	(21.7)	(54.0)	(75.7)	(12.5)	(6.0)	(5.8)	(0.01)	(100.0)
S. Arabia	142.0	97.4	239.4	0.1	-	-	-	239.5
% share	(59.3)	(40.7)	(100.0)	(-)	(-)	(-)	(-)	(100.0)
UK	69.3	60.0	129.3	29.5	14.4	1.3	13.2	187.9
% share	(36.9)	(31.9)	(68.8)	(15.7)	(7.7)	(0.7)	(7.0)	(100.0)
USA	836.1	695.3	1,531.4	453.4	189.8	59.1	65.0	2,298.7
% share	(36.4)	(30.2)	(66.6)	(19.7)	(8.3)	(2.6)	(2.8)	(100.0)
World	4,211.1	3,065.5	7,276.6	3,881.8	574.0	879.0	316.9	12,928.4
% share	(32.6)	(23.7)	(56.3)	(30.0)	(4.4)	(6.8)	(2.5)	(100.0)

mmt = million metric tonnes. * = Renewable energy.
mtoe = million tonnes oil equivalent.
Source: *BP Statistical Review of World Energy*, June 2015.

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)
Africa	221,877	13,191	5.94	267,956	15,044	5.61
Eastern Africa	54,891	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	81,536	1,055	1.29	101,267	1,292	1.28
Americas	391,926	46,817	11.95	397,484	51,567	12.97
Northern America	230,251	27,784	12.07	205,091	27,210	13.27
Central America	35,127	6,820	19.42	33,324	7,310	21.94
Caribbean	7,140	1,315	18.42	6,602	1,048	15.88
South America	119,408	10,898	9.13	152,468	15,999	10.49
Asia	545,553	198,243	36.34	568,454	229,374	40.35
Central Asia	30,485	9,919	32.54	38,647	10,041	25.98
Eastern Asia	142,626	59,266	41.55	131,924	73,933	56.04
Southern Asia	231,206	95,511	41.31	239,128	107,442	44.93
South-Eastern Asia	94,451	18,945	20.06	114,516	22,791	19.90
Western Asia	46,785	14,602	31.21	44,239	15,166	34.28
Europe	304,359	26,702	8.77	292,457	25,880	8.85
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	35,403	3,770	10.65	35,205	3,951	11.22
Oceania	50,637	2,682	5.30	48,912	3,261	6.67
Australia and New Zealand	49,150	2,669	5.43	47,229	3,246	6.87
Melanesia	1,290	12	0.93	1,505	14	0.93
Micronesia	80	0	0.13	77	0.3	0.39
Polynesia	117	1	0.85	101	1	0.99
World	1,514,352	287,636	18.99	1,575,263	325,126	20.64

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)
Africa				
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
North and Central America				
Canada	2001	247	67504	273.4
Mexico	1991	4438	183839	41.4
USA	2002	2129	379712	178.4
South America				
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
Asia				
India	1995/96	115580	163357	1.4
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
Europe				
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
Oceania				
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
2013 (Provisional)

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 *	('000 hectares)	
									Irrigated area to arable land and land under permanent crops (%)	(10)=(9/7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)= (5+6)	(8)= (3-7)	(9)	(10)=(9/7)	
Africa										
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	
N.C. America										
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	
South America										
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	
Asia										
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 (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
Europe									
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

III-55

(Continued)

**1.03 LAND USE AND IRRIGATION (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
Oceania									
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
WORLD	13,466,592	13,009,337	4,928,929	1,407,843	164,661	1,575,263	11,434,074	325,126	20.64

* = 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	640	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	43,940	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	12,373	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
	World	13,466,592	1,575,263	1,407,843	164,661	165,163	219,047	325,126

(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	Rice	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	251.9
4	Belarus	97.89	2.11	-	12.06	2.00	250.5
5	Brazil	91.79	8.21	2.84	2.52	6.52	162.2
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	433.0
8	Egypt	72.80	27.20	17.02	37.72	98.38	359.6
9	France	94.84	5.16	0.11	27.58	13.47	163.7
10	Germany	98.34	1.66	-	25.90	5.38	200.1
11	India	92.35	7.65	25.85	17.44	39.41	164.1 (144.01)
12	Indonesia	51.09	48.91	30.08	-	14.61	114.1
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	74.2
16	Nepal	90.87	9.13	61.06	32.42	57.26	17.6
17	Pakistan	97.41	2.59	8.92	27.77	64.58	130.7
18	Philippines	51.10	48.90	43.38	-	15.35	63.3
19	Russian Fed.	98.71	1.29	0.15	18.87	3.47	19.5
20	Sri Lanka	56.52	43.48	51.66	-	24.78	141.6
21	Thailand	78.88	21.12	58.06	0.01	30.10	113.6
22	Ukraine	97.33	2.67	0.07	19.65	6.49	52.8
23	UK	99.29	0.71	-	25.59	1.57	244.6
24	USA	98.32	1.68	0.65	11.83	16.90	130.6
	World	89.37	10.45	10.48	13.91	20.64	114.8

() = Fertiliser consumption per hectare of gross cropped area.

Source: Compiled from the data presented in 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 2011 and 2012 (Provisional)						
Country	Area ('000 hectares)					
	2011			2012		
	Cereals	Pulses	Total	Cereals	Pulses	Total
Africa						
Egypt	3,038	102	3,140	3,268	76	3,344
Morocco	5,382	430	5,812	5,225	402	5,626
Nigeria	16,627	3,320	19,947	17,440	3,330	20,770
South Africa	3,210	65	3,275	3,867	64	3,931
America N. & C. America						
Canada	13,404	2,029	15,433	14,286	2,679	16,965
USA	56,733	845	57,578	60,244	1,214	61,458
South America						
Argentina	10,898	380	11,278	9,903	398	10,301
Brazil	19,216	3,712	22,928	19,611	2,732	22,343
Chile	570	40	611	556	32	588
Mexico	8,769	975	9,743	9,735	1,732	11,467
Asia						
Bangladesh	12,103	262	12,365	12,017	274	12,291
China, Mainland	91,007	2,762	93,769	92,615	2,970	95,586
India	100,586	28,635	129,221	97,100	26,160	123,260
Indonesia	17,063	299	17,362	17,403	247	17,650
Israel	76	9	84	84	8	92
Japan	1,904	41	1,946	1,912	41	1,953
Korea, Dem. Rep.	1,307	380	1,687	1,335	245	1,580
Korea, Rep. of	925	10	936	913	12	925
Malaysia	697	-	697	702	-	702
Nepal	3,479	296	3,775	3,485	296	3,780
Pakistan	13,304	1,558	14,862	12,792	1,552	14,344
Philippines	7,081	85	7,166	7,284	83	7,367
Sri Lanka	1,147	18	1,165	1,055	20	1,075
Thailand	13,013	236	13,250	13,632	235	13,867
Turkey	11,900	855	12,755	11,289	865	12,155
Europe						
Belarus	2,457	113	2,570	2,532	153	2,685
Belgium	326	2	328	341	1	343
Denmark	1,497	8	1,504	1,503	7	1,510
France	9,660	301	9,961	9,434	223	9,657
Germany	6,491	99	6,590	6,513	83	6,596
Italy	3,438	78	3,517	3,545	84	3,630
Netherlands	206	2	209	203	3	205
Poland	7,719	157	7,876	7,617	205	7,822
Portugal	288	25	313	291	27	318
Russian Fedn.	40,602	1,494	42,096	36,988	1,717	38,705
Spain	5,944	452	6,397	5,721	384	6,105
Sweden	986	17	1,003	992	14	1,006
Ukraine	14,985	336	15,321	14,412	304	14,716
United Kingdom	3,076	189	3,265	3,141	192	3,333
Oceania						
Australia	18,967	2,246	21,213	19,032	2,578	21,610
New Zealand	144	13	157	146	8	153
World	706,791	79,806	786,597	705,113	80,250	785,363

(Continued)

2.01 AREA, PRODUCTION AND YIELD PER HECTARE OF CEREALS AND PULSES IN MAJOR PRODUCING COUNTRIES 2011 and 2012 (Provisional) (Continued)						
Country	2011			2012		
	Cereals	Pulses	Total	Cereals	Pulses	Total
Africa						
Egypt	22,015	303	22,318	23,756	232	23,988
Morocco	8,689	340	9,029	5,311	286	5,597
Nigeria	22,166	1,917	24,083	26,333	2,560	28,893
South Africa	12,919	63	12,982	14,266	72	14,338
America						
N.C. America						
Canada	47,271	3,883	51,154	51,781	5,313	57,094
USA	386,816	1,487	388,303	356,933	2,358	359,291
South America						
Argentina	49,101	478	49,579	40,964	484	41,448
Brazil	77,586	3,456	81,042	89,908	2,804	92,712
Chile	3,950	73	4,024	3,465	55	3,520
Mexico	28,410	779	29,188	33,615	1,500	35,115
Asia						
Bangladesh	52,629	234	52,862	52,803	315	53,118
China, Mainland	518,832	4,599	523,431	539,347	4,505	543,852
India	287,860	17,647	305,507	293,290	16,704	309,994
Indonesia	83,370	342	83,712	88,443	286	88,729
Israel	254	32	286	323	39	362
Japan	11,450	71	11,522	11,730	87	11,817
Korea, Dem. Rep.	4,711	340	5,051	5,115	250	5,365
Korea, Rep. of	6,243	12	6,256	6,135	14	6,149
Malaysia	2,636	-	2,636	2,803	-	2,803
Nepal	8,615	281	8,897	9,458	283	9,741
Pakistan	39,191	806	39,996	38,006	603	38,609
Philippines	23,656	67	23,723	25,440	68	25,508
Sri Lanka	4,038	21	4,059	4,055	26	4,080
Thailand	41,473	223	41,696	42,810	226	43,035
Turkey	35,195	1,234	36,429	33,372	1,290	34,662
Europe						
Belarus	7,981	292	8,273	8,828	398	9,226
Belgium	2,939	7	2,946	2,958	5	2,963
Denmark	8,809	27	8,836	9,485	27	9,512
France	63,954	1,059	65,013	70,982	880	71,862
Germany	41,938	252	42,190	44,941	240	45,181
Italy	19,521	143	19,664	19,039	159	19,198
Netherlands	1,610	8	1,618	1,731	9	1,740
Poland	26,508	335	26,843	28,269	481	28,750
Portugal	1,158	20	1,178	1,190	21	1,211
Russian Fedn.	91,792	2,511	94,303	68,767	2,220	70,986
Spain	22,040	449	22,489	16,994	330	17,324
Sweden	4,651	44	4,695	5,056	36	5,092
Ukraine	56,256	491	56,747	45,740	474	46,214
United Kingdom	21,485	713	22,198	19,515	668	20,183
Oceania						
Australia	39,987	2,527	42,514	43,372	3,918	47,290
New Zealand	999	37	1,036	1,169	23	1,192
World	2,592,760	68,932	2,661,692	2,566,260	72,936	2,639,196

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 2011 and 2012 (Provisional) (Concluded)						
Country	Yield (Kg/hectare)					
	2011			2012		
	Cereals	Pulses	Total	Cereals	Pulses	Total
Africa						
Egypt	7,247	2,967	7,108	7,269	3,042	7,172
Morocco	1,614	790	1,554	1,017	711	995
Nigeria	1,333	577	1,207	1,510	769	1,391
South Africa	4,024	976	3,964	3,689	1,114	3,647
America						
N.C. America						
Canada	3,527	1,914	3,315	3,625	1,983	3,365
USA	6,818	1,760	6,744	5,925	1,942	5,846
South America						
Argentina	4,506	1,256	4,396	4,136	1,216	4,024
Brazil	4,037	931	3,535	4,585	1,026	4,149
Chile	6,928	1,810	6,589	6,230	1,715	5,983
Mexico	3,240	799	2,996	3,453	866	3,062
Asia						
Bangladesh	4,348	890	4,275	4,394	1,151	4,322
China, Mainland	5,701	1,665	5,582	5,824	1,517	5,690
India	2,862	616	2,364	3,020	639	2,515
Indonesia	4,886	1,145	4,822	5,082	1,155	5,027
Israel	3,354	3,621	3,382	3,862	4,645	3,933
Japan	6,012	1,719	5,921	6,134	2,133	6,050
Korea, Dem. Rep.	3,604	895	2,994	3,833	1,020	3,397
Korea, Rep. of	6,748	1,208	6,687	6,720	1,109	6,645
Malaysia	3,780	-	3,780	3,994	-	3,994
Nepal	2,477	951	2,357	2,714	956	2,577
Pakistan	2,946	517	2,691	2,971	388	2,692
Philippines	3,341	791	3,310	3,493	813	3,462
Sri Lanka	3,521	1,163	3,484	3,843	1,274	3,795
Thailand	3,187	942	3,147	3,140	960	3,104
Turkey	2,958	1,443	2,856	2,956	1,491	2,852
Europe						
Belarus	3,248	2,578	3,218	3,486	2,609	3,436
Belgium	9,009	4,249	8,986	8,666	4,293	8,650
Denmark	5,887	3,474	5,874	6,310	3,897	6,299
France	6,621	3,519	6,527	7,524	3,949	7,441
Germany	6,461	2,555	6,402	6,900	2,910	6,850
Italy	5,677	1,828	5,592	5,370	1,880	5,289
Netherlands	7,801	3,430	7,753	8,545	3,253	8,476
Poland	3,434	2,136	3,408	3,712	2,341	3,676
Portugal	4,016	803	3,762	4,085	798	3,811
Russian Fedn.	2,261	1,680	2,240	1,859	1,293	1,834
Spain	3,708	993	3,516	2,970	859	2,838
Sweden	4,716	2,634	4,682	5,097	2,651	5,064
Ukraine	3,754	1,461	3,704	3,174	1,558	3,140
United Kingdom	6,985	3,772	6,799	6,213	3,479	6,056
Oceania						
Australia	2,108	1,125	2,004	2,279	1,520	2,188
New Zealand	6,951	2,857	6,613	8,012	3,042	7,767
World	3,668	864	3,384	3,639	909	3,360

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 2013 (Provisional)										
Country	A/P/Y	1970	1980	1990	2000	2009	2010	2011	2012	2013
Bangladesh	A	9,913	10,309	10,435	10,801	11,354	11,529	11,528	11,423	11,770
	P	16,715	20,821	26,778	37,628	48,144	50,061	50,627	50,497	51,500
	Y	1,686	2,020	2,566	3,484	4,240	4,342	4,392	4,421	4,376
Brazil	A	4,979	6,243	3,947	3,655	2,872	2,722	2,753	2,413	2,353
	P	7,553	9,776	7,421	11,090	12,651	11,236	13,477	11,550	11,783
	Y	1,517	1,566	1,880	3,034	4,405	4,127	4,896	4,786	5,007
China, Mainland	A	32,326	33,845	33,065	29,962	29,627	29,873	30,057	30,297	30,312
	P	109,990	139,910	189,331	187,908	195,103	195,761	201,001	204,285	203,612
	Y	3,403	4,134	5,726	6,272	6,585	6,553	6,687	6,743	6,717
Egypt	A	480	408	436	659	575	460	593	620	640
	P	2,604	2,382	3,167	6,000	5,520	4,330	5,675	5,911	6,100
	Y	5,425	5,833	7,266	9,103	9,593	9,422	9,567	9,530	9,530
India*	A	37,592	40,152	42,687	44,712	41,918	42,862	43,970	42,410	43,940
	P	63,338	80,312	111,517	127,465	135,673	143,963	157,900	157,800	159,200
	Y	1,685	2,000	2,613	2,851	3,237	3,359	3,591	3,721	3,623
Indonesia	A	8,135	9,005	10,502	11,793	12,884	13,254	13,201	13,446	13,835
	P	19,331	29,652	45,179	51,898	64,399	66,469	65,741	69,056	71,280
	Y	2,376	3,293	4,302	4,401	4,999	5,015	4,980	5,136	5,152
Italy	A	173	176	214	220	239	248	247	247	213
	P	819	968	1,291	1,230	1,620	1,516	1,490	1,583	1,339
	Y	4,733	5,496	6,028	5,581	6,794	6,122	6,045	6,420	6,301
Japan	A	2,927	2,377	2,074	1,770	1,624	1,628	1,576	1,581	1,599
	P	16,493	12,189	13,124	11,863	8,474	10,604	10,500	10,654	10,758
	Y	5,635	5,128	6,328	6,702	5,218	6,514	6,662	6,739	6,728
Korea, Demo Rep. of	A	530	650	600	535	569	570	571	563	547
	P	2,328	2,646	1,800	1,690	2,336	2,426	2,479	2,861	2,901
	Y	4,392	4,071	3,000	3,159	4,105	4,256	4,342	5,082	5,304
Myanmar	A	4,809	4,801	4,760	6,302	8,058	8,012	7,567	8,150	7,500
	P	8,162	13,317	13,972	21,324	32,682	32,580	29,010	28,080	28,767
	Y	1,697	2,774	2,935	3,383	4,056	4,067	3,834	3,445	3,836
Pakistan	A	1,503	1,933	2,113	2,377	2,883	2,365	2,571	2,309	2,789
	P	3,298	4,685	4,891	7,204	10,334	7,235	9,194	5,536	6,798
	Y	2,194	2,424	2,315	3,031	3,585	3,059	3,576	2,398	2,437
Philippines	A	3,195	3,459	3,319	4,038	4,532	4,354	4,537	4,690	4,746
	P	5,578	7,646	9,885	12,389	16,266	15,772	16,684	18,032	18,439
	Y	1,746	2,211	2,979	3,068	3,589	3,622	3,678	3,845	3,885
Spain	A	64	68	90	117	119	122	122	114	113
	P	382	433	571	827	899	928	928	881	852
	Y	5,949	6,333	6,321	7,066	7,539	7,594	7,580	7,756	7,522
Thailand	A	6,854	9,200	8,792	9,891	11,141	11,932	11,650	12,279	12,373
	P	13,850	17,368	17,193	25,844	32,116	34,409	36,128	37,469	36,063
	Y	2,021	1,888	1,956	2,613	2,883	2,884	3,101	3,052	2,915
Russian Fedrn.	A	-	-	-	168	178	201	207	192	189
	P	-	-	-	586	913	1,061	1,056	1,052	935
	Y	3,943	3,621	3,122	3,495	5,144	5,280	5,094	5,490	4,947
U.S.A.	A	734	1,340	1,142	1,230	1,256	1,463	1,059	1,084	999
	P	3,801	6,629	7,080	8,658	9,972	11,027	8,389	9,051	8,613
	Y	5,176	4,946	6,198	7,040	7,941	7,538	7,921	8,349	8,624
Vietnam	A	4,724	5,600	6,043	7,666	7,437	7,489	7,655	7,753	7,903
	P	10,173	11,647	19,225	32,530	38,950	40,006	42,398	43,662	44,039
	Y	2,153	2,080	3,182	4,243	5,237	5,342	5,538	5,632	5,573
World	A	132,873	144,412	146,960	154,060	158,294	161,189	162,800	162,937	165,163
	P	316,346	396,871	518,569	599,355	684,809	701,999	726,122	734,906	740,903
	Y	2,381	2,748	3,529	3,890	4,326	4,355	4,460	4,510	4,486

* 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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2.03 AREA, PRODUCTION AND YIELD PER HECTARE OF WHEAT IN MAJOR PRODUCING COUNTRIES 1970 to 2013 (Provisional)										
Country	A/P/Y	1970	1980	1990	2000	2009	2010	2011	2012	2013
Argentina	A	3,701	5,113	5,817	6,476	3,325	4,373	4,494	3,019	3,452
	P	4,920	7,975	11,037	16,147	9,016	15,876	14,501	8,025	9,188
	Y	1,329	1,560	1,897	2,493	2,711	3,630	3,226	2,658	2,662
Australia	A	6,478	11,283	9,218	12,141	13,788	13,507	13,400	13,902	12,979
	P	7,890	10,856	15,066	22,108	21,656	22,138	27,410	29,905	22,856
	Y	1,218	962	1,634	1,821	1,571	1,639	2,046	2,151	1,761
Bangladesh	A	120	433	592	832	395	376	374	358	416
	P	105	823	890	1,840	849	901	972	995	1,255
	Y	874	1,899	1,503	2,210	2,152	2,396	2,601	2,779	3,014
Canada	A	5,052	11,208	14,098	10,855	9,638	8,269	8,544	9,497	10,442
	P	9,024	19,292	32,098	26,536	26,848	23,167	25,261	27,205	37,530
	Y	1,786	1,721	2,277	2,445	2,786	2,802	2,957	2,865	3,594
China, Mainland	A	25,433	29,190	30,753	26,653	24,291	24,256	24,270	24,139	24,117
	P	29,185	55,210	98,229	99,636	115,115	115,181	117,410	120,580	121,926
	Y	1,148	1,891	3,194	3,738	4,739	4,749	4,838	4,995	5,056
Egypt	A	551	557	821	1,035	1,335	1,288	1,285	1,336	1,419
	P	1,519	1,736	4,268	6,564	8,523	7,177	8,407	8,795	9,460
	Y	2,756	3,118	5,197	6,342	6,383	5,574	6,543	6,582	6,668
France	A	3,696	4,590	5,147	5,248	5,147	5,931	5,825	5,303	5,323
	P	12,649	23,781	33,346	37,353	38,332	38,207	35,994	40,301	38,614
	Y	3,422	5,181	6,479	7,117	7,447	6,442	6,179	7,599	7,254
India	A	16,626	22,172	23,502	27,486	27,752	28,457	29,069	29,860	29,650
	P	20,093	31,830	49,850	76,369	80,679	80,804	86,874	94,880	93,510
	Y	1,209	1,436	2,121	2,779	2,907	2,839	2,989	3,178	3,154
Iraq	A	1,400	1,374	1,181	1,200	907	1,383	1,437	1,266	1,811
	P	1,236	976	1,196	384	1,700	2,749	2,809	3,062	4,178
	Y	883	710	1,013	320	1,876	1,987	1,955	2,418	2,307
Italy	A	4,138	3,408	2,773	2,323	1,822	1,830	1,733	1,880	1,904
	P	9,689	9,156	8,109	7,464	6,535	6,850	6,642	7,767	7,277
	Y	2,341	2,687	2,924	3,213	3,586	3,742	3,833	4,132	3,822
Pakistan	A	6,229	6,924	7,845	8,463	9,046	9,132	8,901	8,650	8,687
	P	7,294	10,857	14,316	21,079	24,033	23,311	25,214	23,473	24,211
	Y	1,171	1,568	1,825	2,491	2,657	2,553	2,833	2,714	2,787
Romania	A	2,321	2,244	2,253	1,928	2,141	2,153	1,946	1,992	2,097
	P	3,356	6,264	7,289	4,456	5,203	5,812	7,132	5,298	7,296
	Y	1,446	2,791	3,235	2,311	2,431	2,700	3,665	2,659	3,479
Russian Fedrn.	A	-	-	-	21,346	26,633	21,640	24,836	21,278	23,371
	P	-	-	-	34,455	61,740	41,508	56,240	37,720	52,091
	Y	1,616	1,474	2,046	1,614	2,318	1,918	2,265	1,773	2,229
Spain	A	3,757	2,699	2,007	2,353	1,768	1,948	1,995	1,759	2,122
	P	4,062	6,040	4,774	7,294	4,724	5,941	6,877	4,650	7,603
	Y	1,081	2,238	2,379	3,100	2,672	3,050	3,448	2,644	3,583
Syria Arab Republic	A	1,341	1,449	1,341	1,679	1,437	1,599	1,521	1,603	1,374
	P	625	2,226	2,070	3,105	3,702	3,083	3,858	3,609	3,182
	Y	466	1,536	1,544	1,850	2,575	1,928	2,537	2,252	2,316
Turkey	A	8,616	8,956	9,432	9,400	8,100	8,103	8,096	7,530	7,773
	P	10,081	16,554	20,022	21,009	20,600	19,674	21,800	20,100	22,050
	Y	1,170	1,848	2,123	2,235	2,543	2,428	2,693	2,670	2,837
U.K.	A	1,010	1,441	2,013	2,086	1,775	1,939	1,969	1,992	1,615
	P	4,237	8,470	14,033	16,704	14,076	14,878	15,257	13,261	11,921
	Y	4,194	5,878	6,971	8,008	7,930	7,673	7,749	6,657	7,381
U.S.A.	A	17,629	28,784	27,965	21,474	20,191	19,271	18,496	19,798	18,274
	P	36,784	64,800	74,294	60,639	60,366	60,062	54,413	61,677	57,967
	Y	2,087	2,251	2,657	2,824	2,990	3,117	2,942	3,115	3,172
World	A	207,979	237,252	231,263	215,437	224,413	216,965	220,196	217,631	219,047
	P	310,741	440,188	592,311	585,691	686,837	649,325	699,389	671,482	715,909
	Y	1,494	1,855	2,561	2,719	3,061	2,993	3,176	3,085	3,268

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.

2.04 AREA, PRODUCTION AND YIELD PER HECTARE OF MAIZE IN MAJOR PRODUCING COUNTRIES										
1970 to 2013 (Provisional)										
Country	A/P/Y	1970	1980	1990	2000	2009	2010	2011	2012	2013
Argentina	A	4,017	2,490	1,560	3,089	2,353	2,903	3,748	3,748	4,864
	P	9,360	6,400	5,400	16,781	13,121	22,677	23,800	23,800	32,119
	Y	2,330	2,570	3,461	5,433	5,576	7,812	6,350	6,350	6,604
Brazil	A	9,858	11,451	11,394	11,615	13,655	12,679	13,219	14,198	15,280
	P	14,216	20,372	21,348	31,879	50,720	55,364	55,660	71,073	80,273
	Y	1,442	1,779	1,874	2,745	3,715	4,367	4,211	5,006	5,254
Canada	A	499	1,022	1,030	1,107	1,142	1,203	1,202	1,418	1,480
	P	2,634	5,753	7,066	6,954	9,561	11,715	10,689	13,060	14,194
	Y	5,275	5,628	6,860	6,284	8,372	9,739	8,895	9,211	9,588
China, Mainland	A	15,816	20,332	21,401	23,056	31,183	32,500	33,542	34,949	36,318
	P	33,030	62,600	96,819	106,000	163,974	177,425	192,781	208,130	218,489
	Y	2,088	3,079	4,524	4,597	5,258	5,459	5,748	5,955	6,016
Egypt	A	633	800	830	843	983	969	888	1,041	750
	P	2,397	3,231	4,799	6,474	7,686	7,041	6,876	8,094	5,800
	Y	3,784	4,037	5,780	7,680	7,818	7,270	7,741	7,772	7,733
France	A	1,469	1,754	1,562	1,765	1,680	1,582	1,596	1,719	1,850
	P	7,491	9,323	9,401	16,018	15,288	13,975	15,913	15,614	15,053
	Y	5,099	5,317	6,019	9,077	9,101	8,831	9,973	9,085	8,139
Hungary	A	1,206	1,253	1,082	1,193	1,177	1,079	1,230	1,190	1,254
	P	4,072	6,673	4,500	4,984	7,528	6,985	7,992	4,742	6,725
	Y	3,376	5,324	4,158	4,179	6,395	6,475	6,498	3,985	5,363
India	A	5,852	6,005	5,904	6,611	8,262	8,553	8,780	8,710	9,500
	P	7,486	6,957	8,962	12,043	16,720	21,726	21,760	22,260	23,290
	Y	1,279	1,159	1,518	1,822	2,024	2,540	2,478	2,556	2,452
Indonesia	A	2,939	2,735	3,158	3,500	4,161	4,132	3,861	3,958	3,822
	P	2,825	3,991	6,734	9,677	17,630	18,328	17,629	19,387	18,512
	Y	961	1,459	2,132	2,765	4,237	4,436	4,565	4,899	4,844
Italy	A	1,026	942	768	1,064	916	927	995	981	908
	P	4,754	6,377	5,864	10,138	7,878	8,496	9,753	8,195	7,900
	Y	4,634	6,771	7,638	9,528	8,605	9,167	9,803	8,358	8,699
Mexico	A	7,440	6,776	7,339	7,131	6,223	7,148	6,069	6,924	7,096
	P	8,879	12,374	14,635	17,557	20,143	23,302	17,635	22,069	22,664
	Y	1,194	1,826	1,994	2,462	3,237	3,260	2,906	3,187	3,194
Pakistan	A	640	769	845	944	935	974	1,083	1,060	1,168
	P	717	970	1,185	1,643	3,262	3,707	4,271	4,220	4,944
	Y	1,121	1,262	1,401	1,741	3,488	3,805	3,943	3,983	4,231
Philippines	A	2,428	3,239	3,820	2,510	2,684	2,499	2,545	2,594	2,564
	P	2,012	3,110	4,854	4,511	7,034	6,377	6,971	7,407	7,377
	Y	829	960	1,271	1,797	2,621	2,552	2,740	2,856	2,878
Romania	A	3,084	3,288	2,467	3,049	2,334	2,094	2,587	2,722	2,523
	P	6,536	10,563	6,810	4,898	7,973	9,042	11,718	5,953	11,348
	Y	2,119	3,213	2,761	1,606	3,417	4,318	4,529	2,187	4,497
Turkey	A	646	583	515	555	591	594	589	623	660
	P	1,040	1,240	2,100	2,300	4,250	4,310	4,200	4,600	5,900
	Y	1,610	2,127	4,080	4,144	7,188	7,261	7,131	7,388	8,939
Ukraine	A	-	-	-	1,279	2,089	2,648	3,544	4,372	4,827
	P	-	-	-	3,848	10,486	11,953	22,838	20,961	30,950
	Y	2,802	2,730	3,884	3,009	5,020	4,515	6,445	4,795	6,412
U.S.A.	A	23,212	29,526	27,095	29,316	32,169	32,960	33,990	35,359	35,478
	P	105,471	168,647	201,532	251,852	332,549	316,165	313,949	273,820	353,699
	Y	4,544	5,712	7,438	8,591	10,338	9,592	9,237	7,744	9,970
World	A	113,076	125,776	131,038	137,005	158,843	164,030	172,257	179,219	185,121
	P	265,831	396,623	483,373	592,479	820,015	851,271	887,855	877,924	1,018,112
	Y	2,351	3,153	3,689	4,325	5,162	5,190	5,154	4,899	5,500

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 - 2012 and 2013 (Provisional)								(Kg.)
Country	Rice, Paddy		Wheat		Maize		Cereals (Total)	
	2012	2013	2012	2013	2012	2013	2012	
Algeria	1,667	1,778	1,764	1,910	2,558	3,365	1,678	
Argentina	6,662	6,719	2,658	2,662	6,350	6,604	4,136	
Australia	8,910	10,218	2,151	1,761	6,465	6,444	2,279	
Austria	-	-	4,139	5,374	10,703	8,118	6,205	
Bangladesh	4,421	4,376	2,779	3,014	6,584	6,624	4,394	
Belarus	-	-	3,582	3,062	5,041	5,566	3,486	
Belgium	-	-	8,452	8,935	10,244	11,150	8,666	
Brazil	4,786	5,007	2,310	2,749	5,006	5,254	4,585	
Bulgaria	5,546	5,490	3,760	4,248	3,680	5,476	3,678	
Canada	-	-	2,865	3,594	9,211	9,588	3,625	
Chile	6,244	6,205	4,947	5,814	10,722	10,632	6,230	
China, Mainland	6,743	6,717	4,995	5,056	5,955	6,016	5,824	
Cuba	3,165	3,400	-	-	2,347	2,392	2,812	
Denmark	-	-	7,369	7,284	5,822	5,914	6,310	
Egypt	9,530	9,530	6,582	6,668	7,772	7,733	7,269	
France	5,952	4,039	7,599	7,254	9,085	8,139	7,524	
Germany	-	-	7,331	7,998	10,480	8,828	6,900	
India*	3,721	3,623	3,178	3,154	2,556	2,452	3,020	
Indonesia	5,136	5,152	-	-	4,899	4,844	5,082	
Iran	5,000	5,088	1,971	1,986	5,783	5,977	2,296	
Israel	-	-	2,783	2,372	25,556	22,556	3,862	
Italy	6,420	6,301	4,132	3,822	8,358	8,699	5,370	
Japan	6,739	6,728	4,100	3,862	2,615	2,727	6,134	
Korea, Dem Rep	5,082	5,304	1,480	1,500	3,842	3,799	3,833	
Korea, Republic of	6,988	6,764	3,910	3,680	4,894	5,059	6,720	
Mexico	2,426	2,425	2,432	2,432	3,187	3,194	3,453	
Morocco	7,602	7,543	1,234	2,164	765	663	1,017	
Myanmar	3,445	3,836	1,806	1,799	3,615	3,617	3,308	
Nepal	3,312	3,171	2,412	2,290	2,501	2,353	2,714	
Netherlands	-	-	8,587	8,719	12,342	11,523	8,545	
New Zealand	-	-	8,925	9,105	10,865	10,821	8,012	
Pakistan	2,398	2,437	2,714	2,787	3,983	4,231	2,971	
Peru	7,726	7,711	1,489	1,498	3,320	3,269	4,147	
Philippines	3,845	3,885	-	-	2,856	2,878	3,493	
Poland	-	-	4,144	4,430	7,348	6,584	3,712	
Portugal	5,863	5,394	1,077	1,729	8,317	8,306	4,085	
Russian Fedn.	5,490	4,947	1,773	2,229	4,239	5,011	1,859	
Senegal	4,667	3,913	-	-	1,603	1,474	1,310	
South Africa	2,727	2,609	3,748	3,614	3,766	3,842	3,689	
Spain	7,756	7,522	2,644	3,583	10,916	11,326	2,970	
Sri Lanka	3,885	3,889	-	-	3,419	3,087	3,843	
Syria	-	-	126	126	4,278	3,647	1,643	
Thailand	3,052	2,915	870	1,250	4,323	4,418	3,140	
Tunisia	-	-	2,020	1,890	-	-	1,674	
Turkey	7,351	8,138	2,670	2,837	7,388	8,939	2,956	
Ukraine	6,194	5,994	2,800	3,471	4,795	6,412	3,174	
UK	-	-	6,657	7,381	-	-	6,213	
USA	8,349	8,624	3,115	3,172	7,744	9,970	5,925	
Venezuela (Bolovarian Rep. of)	4,806	4,233	609	633	3,058	3,648	3,054	
World Total	4,510	4,486	3,085	3,268	4,899	5,500	3,639	

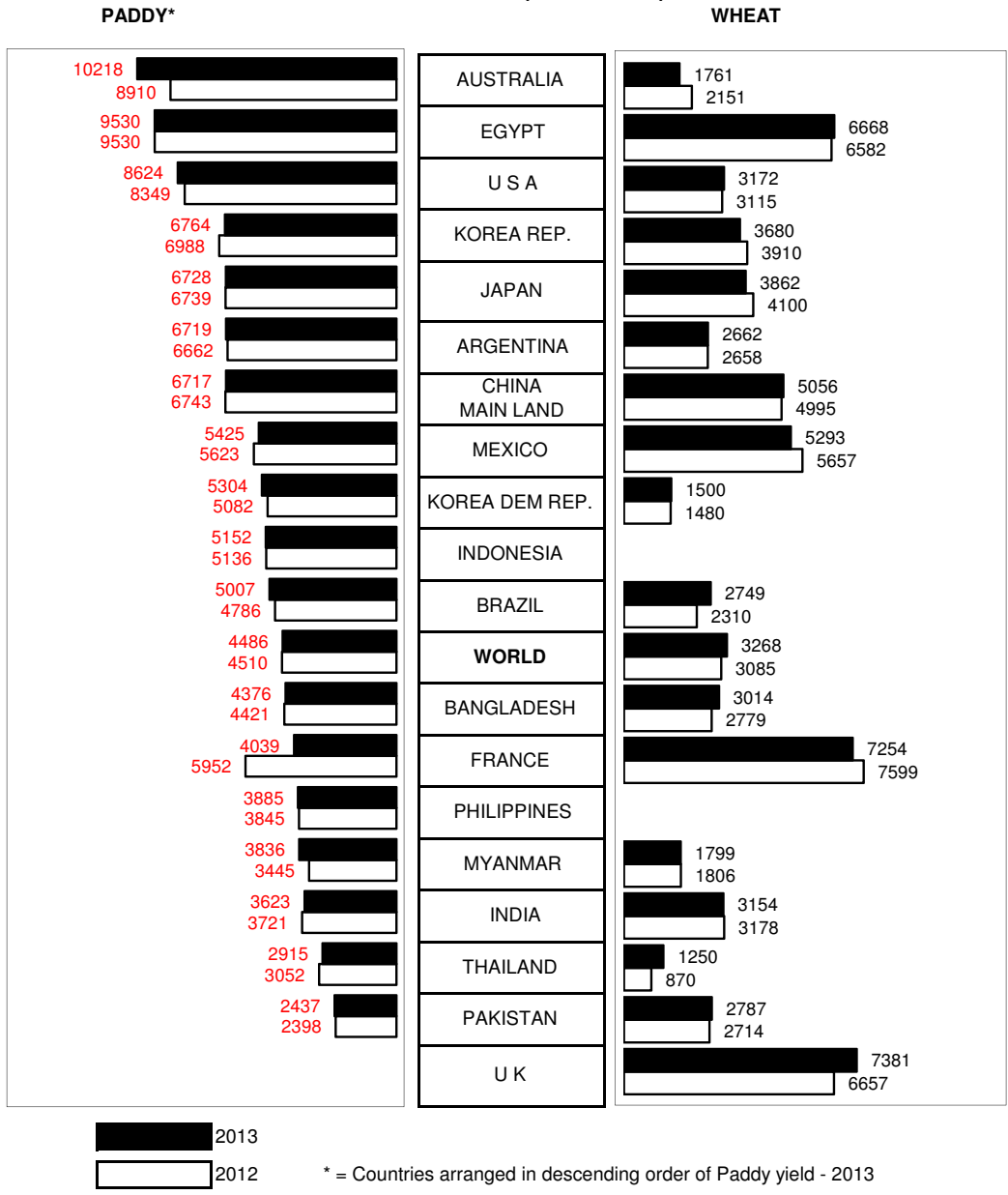
* = Please refer Part II for production and yield figures of rice in respect of India.
Note : Data pertain to the calendar year in which the entire harvest or the bulk of it took place.

(Continued)

2.05 YIELD PER HECTARE OF DIFFERENT CORPS IN SELECTED COUNTRIES - 2012 and 2013 (Provisional) (Concluded)								
Country	Pulses (Total)		Potato		Soybean		Coffee (Green)	
	2012	2012	2012	2013	2012	2013	2012	2013
Algeria	998	30,429	30,288	-	-	-	-	-
Argentina	1,216	31,429	28,777	2,281	2,539	-	-	-
Australia	1,520	38,259	38,543	2,260	2,234	-	-	-
Austria	1,864	30,524	28,630	2,805	1,970	-	-	-
Bangladesh	1,151	19,063	19,379	1,581	1,550	-	-	-
Belarus	2,609	20,813	19,362	-	-	-	-	-
Belgium	4,293	45,423	46,149	-	-	-	-	-
Brazil	1,026	27,446	27,752	2,637	2,929	1,433	1,422	-
Bulgaria	1,300	11,161	12,143	790	2,000	-	-	-
Canada	1,983	31,016	32,512	3,029	2,857	-	-	-
Chile	1,715	26,327	23,379	-	-	-	-	-
China, Mainland	1,517	16,769	17,088	1,896	1,760	2,436	2,355	-
Cuba	1,030	20,539	21,595	-	-	270	319	-
Denmark	3,897	42,132	40,000	-	-	-	-	-
Egypt	3,042	26,853	26,966	3,642	2,875	-	-	-
France	3,949	41,113	43,404	2,782	2,565	-	-	-
Germany	2,910	44,757	39,826	2,000	2,000	-	-	-
India	639	21,753	22,761	1,353	979	852	846	-
Indonesia	1,155	16,582	16,270	1,485	1,416	560	563	-
Iran	902	30,000	29,263	2,351	2,447	-	-	-
Israel	4,645	29,770	29,526	-	-	-	-	-
Italy	1,880	26,193	24,859	2,759	3,387	-	-	-
Japan	2,133	30,788	31,325	1,799	1,552	-	-	-
Korea, Dem Rep	1,020	11,343	12,528	1,167	1,115	-	-	-
Korea, Republic of	1,109	24,370	26,520	1,516	1,925	-	-	-
Mexico	866	2,420	2,420	2,417	2,417	2,407	2,404	-
Morocco	711	27,980	36,357	1,000	1,000	-	-	-
Myanmar	1,408	15,385	15,122	1,228	1,228	667	660	-
Nepal	956	13,584	13,641	965	1,172	239	209	-
Netherlands	3,253	45,173	43,652	-	-	-	-	-
New Zealand	3,042	47,504	46,667	-	-	-	-	-
Pakistan	388	18,341	21,802	210	722	-	-	-
Peru	1,185	14,325	14,413	1,821	1,790	805	641	-
Philippines	813	14,769	14,920	1,307	3,523	741	673	-
Poland	2,341	24,375	18,785	1,708	-	-	-	-
Portugal	798	17,789	18,224	-	-	-	-	-
Russian Fedn.	1,293	13,441	14,464	1,313	1,360	-	-	-
Senegal	427	32,143	24,561	-	-	-	-	-
South Africa	1,114	34,626	34,121	1,377	1,518	-	-	-
Spain	859	29,348	30,937	2,400	2,800	-	-	-
Sri Lanka	1,274	15,527	15,321	1,099	1,696	657	637	-
Syria	934	125	125	125	125	-	-	-
Thailand	960	15,338	15,001	1,800	1,793	847	980	-
Tunisia	1,107	14,592	16,042	-	-	-	-	-
Turkey	1,491	27,865	31,576	3,639	4,161	-	-	-
Ukraine	1,558	16,100	15,995	1,707	2,054	-	-	-
UK	3,479	30,557	40,144	-	-	-	-	-
USA	1,942	45,825	46,612	2,664	2,915	1,282	1,075	-
Venezuela (Bolovarian Rep. of)	819	17,421	17,694	1,215	1,156	372	374	-
World Total	909	19,127	19,468	2,295	2,475	912	880	-

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)
2013 and 2012 (Provisional)**



2.06 RANK OF FIRST FIVE COUNTRIES IN WORLD PRODUCTION OF MAJOR CROPS - 2012 (Provisional)								
Rank	Country	Quantity (million te)	Rank	Country	Quantity (million te)	Rank	Country	Quantity (million te)
Total Cereals			Wheat			Rice,Paddy		
1	China Mainland	539.35	1	China Mainland	120.58	1	China Mainland	204.29
2	USA	356.93	2	India	94.88	2	India	157.80
3	India	293.29	3	USA	61.68	3	Indonesia	69.06
4	Brazil	89.91	4	France	40.30	4	Bangladesh	50.50
5	Indonesia	88.44	5	Russian Fed.	37.72	5	Viet Nam	43.66
Pulses,Total			Groundnuts,with shell			Rapeseed		
1	India	16.70	1	China Mainland	16.80	1	Canada	15.41
2	Myanmar	5.55	2	India	4.70	2	China Mainland	14.01
3	Canada	5.31	3	Nigeria	3.31	3	India	6.60
4	China Mainland	4.51	4	USA	3.06	4	France	5.46
5	Australia	3.92	5	Myanmar	1.37	5	Germany	4.82
Vegetables & Melons			Fruit excl. Melons			Potatoes		
1	China Mainland	573.94	1	China Mainland	137.07	1	China Mainland	92.76
2	India	109.14	2	India	71.07	2	India	41.48
3	USA	35.95	3	Brazil	38.37	3	Russian Fed.	29.53
4	Turkey	27.82	4	USA	26.55	4	Ukraine	23.25
5	Iran	23.49	5	Indonesia	17.74	5	USA	20.99
Onions, dry			Sugarcane			Tea		
1	China Mainland	22.20	1	Brazil	721.08	1	China Mainland	1.79
2	India	16.81	2	India	361.04	2	India	1.14
3	USA	3.28	3	China Mainland	123.46	3	Kenya	0.37
4	Iran	2.26	4	Thailand	98.40	4	Sri Lanka	0.33
5	Russian Fed.	2.08	5	Pakistan	58.40	5	Turkey	0.23
Jute & Jute-like Fibres			Seed cotton			Tobacco, unmanufactured		
1	India	2.03	1	China Mainland	20.52	1	China Mainland	3.13
2	Bangladesh	1.45	2	India	18.18	2	India	0.82
3	China Mainland	0.08	3	USA	10.28	3	Brazil	0.81
4	Russian Fed.	0.05	4	Pakistan	6.37	4	USA	0.35
5	Uzbekistan	0.02	5	Brazil	4.97	5	Indonesia	0.26

Source: FAO, Rome.

2.07 INDIA'S POSITION IN WORLD AGRICULTURE - 2012 (Provisional)					
Item	India	World	India's position		
			% share	Rank	Next to
1. Crop production (million tonnes)					
(A) Total cereals	293.3	2566.3	11.43	Third	China, USA
Wheat	94.9	671.5	14.13	Second	China
Rice (Paddy)	157.8	734.9	21.47	Second	China
Total Pulses	16.7	72.9	22.90	First	
(B) Oilseeds					
Groundnut (with shell)	4.7	40.8	11.51	Second	China
Rapeseed	6.6	64.6	10.21	Third	Canada , China
2. Fruits & Vegetables (million tonnes)					
Vegetables & Melons	109.1	1106.1	9.87	Second	China
Fruits excluding melons	71.1	636.5	11.17	Second	China
Potatoes	41.5	370.6	11.19	Second	China
Onion (Dry)	16.8	82.5	20.38	Second	China
3. Commercial crops (million tonnes)					
Sugarcane	361.0	1838.5	19.64	Second	Brazil
Tea	1.1	5.0	22.54	Second	China
Coffee (Green)	0.3	9.2	3.41	Seventh	Brazil, Vietnam, Indonesia, Colombia, Honduras, Peru
Jute & Jute like Fibres	2.0	3.7	54.36	First	
Seed Cotton	18.2	79.5	22.86	Second	China
Tobacco Leaves	0.82	7.2	11.31	Second	China
Source: FAO, Rome.					

2.08 PRODUCER PRICES OF RICE/PADDY AND WHEAT IN SELECTED COUNTRIES 2013		
Country	Producer Prices (US \$/tonne)	
	Rice, Paddy	Wheat
Africa		
Egypt	341.75 *	416.17 *
Morocco		299.87
South Africa		299.19
America		
North America		
Canada		242.92
USA	353.00	252.00
Latin America and the Caribbean		
Argentina	277.54	236.72
Brazil	361.17	
Chile	143.72	356.24
Mexico	306.62	278.22
Asia		
China Mainland	492.31	355.11
India	216.53 # (222.40) #	231.40 (237.12)
Indonesia	876.27 *	914.96 *
Israel		363.49
Japan	2390.79	324.93
Malaysia	238.20	
Philippines	399.26	
Thailand	256.96	
Turkey	567.60	349.21
Europe		
Belarus		235.49
Belgium		263.92
Denmark		272.32
France	571.38	230.27
Germany		248.37
Italy	531.13	383.40
Netherlands		258.74
Poland		252.28
Portugal	359.66	307.60
Russian Fedn.	375.53	211.13
Spain	365.38	283.43
Sweden		256.41
Ukraine	313.52	171.15
United Kingdom		290.99
Oceania		
Australia	251.79	303.12
New Zealand		326.57
# = Paddy common variety. Source: FAO, Rome		* = Data for 2012 () = Producer price for 2014-15.

2.09 WORLD FOOD MARKET OF SELECTED PRODUCTS									
(million tonnes)									
Item	Rice			Wheat			Coarse Grain		
	2013-14	2014-15 (Est.)	2015-16 (F'cast)	2013-14	2014-15 (Est.)	2015-16 (F'cast)	2013-14	2014-15 (Est.)	2015-16 (F'cast)
Production	494.5	494.9	493.0	715.6	732.9	734.8	1,312.7	1,330.6	1,306.5
Trade	45.3	44.0	45.0	156.8	155.8	150.0	159.8	175.2	169.0
Total Utilisation	488.3	494.3	499.9	693.9	712.9	727.0	1,247.5	1,291.7	1,302.6
Food	391.5	397.0	402.3	481.3	486.1	490.6	196.5	201.0	203.7
Feed				127.4	138.2	144.0	700.1	732.1	741.7
Other uses				85.2	88.6	92.4	350.9	358.5	357.2
Ending stocks	170.3	170.3	164.3	188.4	202.6	205.9	236.4	269.2	267.6
Item	Oilseeds			Sugar			Meat		
	2013-14	2014-15 (Est.)	2015-16 (F'cast)	2012-13	2013-14 (Est.)	2014-15 (F'cast)	2013	2014 (Est.)	2015 (F'cast)
Production	513.2	547.4	534.5	182.3	180.6	181.0	311.3	315.3	318.8
Trade				54.7	55.4	55.3	29.7	30.6	30.5
Total Utilisation				176.1	176.9	179.8			
Food									
Feed									
Other uses									
Ending stocks				87.7	78.4	79.4			
Item	Dairy (Milk Products)			Fish					
	2013	2014 (Est.)	2015 (F'cast)	2013	2014 (Est.)	2015 (F'cast)			
Production	767.5	789.0	800.7	162.8	164.3	168.6			
Trade	68.7	72.6	71.3	58.8	59.5	59.8			
Total Utilisation				162.8	164.3	168.6			
Food				141.0	144.6	147.5			
Feed				16.8	15.0	16.4			
Other uses				5.0	4.8	4.7			
Ending stocks									

Source : 1) Food Outlook May 2015, FAO Rome.
2) Food Outlook October 2015, FAO Rome.

3.00 AGRICULTURAL SUBSIDIES

3.01 AGRICULTURAL SUBSIDIES (PRODUCER SUPPORT ESTIMATE) IN SELECTED COUNTRIES										
(US \$ million)										
Country	1990	1995	2000	2008	2009	2010	2011	2012	2013(P)	2014(P)
European Union	105,112	124,043	86,573	131,871	118,990	105,359	109,365	107,760	121,301	106,902
Japan	42,676	72,788	54,087	42,616	46,470	56,740	60,457	65,536	50,848	44,256
India*	3,812	3,621	5,661	31,195	25,828	28,451	30,595	28,596	26,337	31,847
USA	31,266	20,423	52,278	30,737	33,016	30,765	32,713	33,412	28,821	41,461
Turkey	7,626	7,322	8,520	17,985	17,025	20,723	16,165	14,535	16,479	15,550
Rep. of Korea	19,156	25,369	19,260	16,848	17,197	16,972	21,013	20,414	21,551	22,018
Canada	6,271	4,072	4,368	5,684	6,760	7,087	7,472	7,411	5,559	4,618
Switzerland	5,933	6,043	4,438	5,559	5,760	5,002	6,128	5,931	5,754	6,737
Mexico	-	-	-	-	-	6,371	6,790	6,748	6,696	8,447
Brazil	-	-	-	-	-	9,325	11,638	6,877	6,194	8,818
China (People's Republic of)	-	-	-	-	-	135,727	112,580	218,798	264,262	292,593
Indonesia	-	-	-	-	-	24,225	19,619	23,742	27,736	31,090
Russia	-	-	-	-	-	16,238	15,132	14,678	12,171	8,811

(P)= Provisional. * = Includes subsidy on fertiliser and food for the financial year. Source: Expenditure Budget, Vol. I, G.O.I.

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 2015) in 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 - 2013 (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 land and land under permanent crops	
European Union	121,301	504.219	131.659	240.57	921.33	128.9
Japan	50,848	126.985	4.537	400.43	11207.43	228.7
India	26,337	1279.499	170.000	20.58	154.92	144.0 (125.9)
United States	28,821	317.136	154.437	90.88	186.62	130.6
Turkey	16,479	76.224	23.806	216.20	692.23	97.2
Rep. of Korea	21,551	49.847	1.711	432.34	12595.40	275.9
Canada	5,559	35.231	50.651	157.78	109.74	73.5
Switzerland	5,754	8.119	0.428	708.71	13434.13	186.8
Mexico	6,696	123.740	25.668	54.11	260.86	74.2
Brazil	6,194	204.259	82.808	30.32	74.80	162.2
China (People's Republic of)	264,262	1362.514	121.720	193.95	2171.06	433.0
Indonesia	27,736	251.268	46.000	110.38	602.96	114.1
Russia	12,171	143.367	123.840	84.89	98.28	19.5

@ = PSE * = Subsidy on food and fertilisers for the financial year.
() = Kg./ ha of gross cropped area.

Source: 1. Agricultural support estimates (Edition 2015) in OECD Agriculture Statistics.
2. FAO, Rome.
3. Expenditure Budget, Vol. I, Govt. of India.

4.00 GDP- GNI AND POPULATION

4.01 GROSS DOMESTIC PRODUCT (GDP) AND SHARE OF AGRICULTURE
1990, 2000, 2005 and 2010

Country	GDP (Million dollars)				Agricultural value added as % of GDP			
	1990	2000	2005	2010	1990	2000	2005	2009
Algeria	61,902	53,817	102,257	159,426	14	10	8	12
Argentina	141,352	285,473	183,309	368,712	8	5	10	8
Australia	297,204	394,023	700,672	924,843	3	3	3	3
Austria	159,499	109,957	304,527	376,162	3	2	2	2
Bangladesh	29,855	47,864	59,958	100,076	28	26	21	19
Belgium	196,134	231,016	364,735	467,472	2	1	1	1
Brazil	464,989	587,553	794,098	2,087,890	8	9	10	6
Bulgaria	20,726	12,052	26,648	47,714	18	14	9	6
Canada	572,673	689,549	1,115,192	1,574,052	3	-	-	2
Chile	30,307	70,710	115,250	203,443	8	8	6	3
China	354,644	1,079,954	2,228,862	5,878,629	27	16	13	10
Denmark	133,361	160,780	254,401	310,405	4	2	2	1
Ethiopia	6,842	6,304	11,174	29,717	49	52	48	51
Finland	134,806	119,823	193,176	238,801	6	3	3	3
France	1,195,438	1,286,252	2,110,185	2,560,002	3	3	2	2
Germany	1,719,510	1,870,136	2,781,900	3,309,669	1	1	1	1
Ghana	5,886	5,419	10,695	31,306	45	35	39	32
Hungary	33,056	45,716	109,154	130,419	15	6	4	4
India	322,737	479,404	785,468	1,729,010	31	27	19	18
Indonesia	114,426	153,255	287,217	706,558	19	17	14	15
Israel	52,490	110,332	123,434	217,334	-	-	-	-
Italy	1,093,947	1,068,518	1,723,044	2,051,412	3	3	3	2
Japan	2,970,043	4,677,099	4,505,912	5,497,813	3	2	1	1
Jordan	4,020	8,340	12,861	27,574	8	3	2	3
Kenya	8,533	10,410	17,977	31,409	29	23	27	23
Korea, Rep. of	252,622	457,219	787,624	1,014,483	9	5	4	3
Madagascar	3,081	4,020	5,040	8,721	32	30	28	29
Malaysia	42,775	89,321	130,143	237,804	19	12	9	10
Mexico	262,710	574,512	768,438	1,039,662	7	4	4	4
Morocco	25,821	33,364	51,745	91,196	18	13	13	16
Nepal	3,628	5,450	7,346	15,701	52	39	40	33
Netherlands	283,672	364,948	594,755	783,413	4	3	2	2
New Zealand	43,103	49,983	109,041	126,679	7	-	-	6
Nigeria	28,472	41,248	98,951	193,669	33	39	24	33
Norway	115,453	149,349	283,920	414,462	3	2	2	1
Pakistan	40,010	61,673	110,732	174,799	26	26	22	22
Papua New Guinea	3,221	4,011	4,731	9,480	29	26	26	36
Philippines	44,331	75,186	98,306	199,589	22	17	14	13
Poland	61,197	158,839	299,151	468,585	8	3	5	4
Romania	38,299	36,692	98,559	161,624	20	15	10	7
Russian Fedn.	579,068	251,092	763,720	1,479,819	17	7	6	5
Saudi Arabia	104,670	139,383	309,778	375,766	6	7	4	3
Senegal	5,698	4,372	8,318	12,954	20	18	17	17
Singapore	36,638	92,252	116,764	222,699	0	0	0	-
South Africa	111,997	125,887	240,152	363,704	5	3	3	3

(Continued)

4.01 GROSS DOMESTIC PRODUCT (GDP) AND SHARE OF AGRICULTURE 1990, 2000, 2005 and 2010 (Concluded)								
Country	GDP (Million dollars)				Agricultural value added as % of GDP			
	1990	2000	2005	2010	1990	2000	2005	2009
Spain	491,938	555,004	1,123,691	1,407,405	5	4	3	3
Sri Lanka	8,032	16,402	23,479	49,552	26	21	17	13
Sweden	229,756	227,369	354,115	458,004	3	-	2	2
Switzerland	228,415	240,323	365,937	523,772	-	-	-	1
Tanzania	4,220	9,316	12,111	23,057	48	45	45	29
Thailand	85,345	121,927	176,602	318,847	12	10	10	11
Togo	1,628	1,281	2,203	3,153	34	41	42	-
Tunisia	12,291	19,462	28,683	44,291	16	12	13	7
Turkey	150,721	199,902	363,300	735,264	18	16	12	9
Ukraine	91,327	32,171	81,664	137,929	26	13	11	8
United Kingdom	975,512	1,413,432	2,192,553	2,246,079	2	1	1	1
United States	5,554,100	9,882,842	12,455,068	14,582,400	2		1	1
Vietnam	6,472	31,344	52,408	103,572	37	25	22	21
Zambia	3,288	2,911	7,257	16,193	18	24	19	22
Zimbabwe	8,784	7,350	3,364	7,474	16	11	22	18
Sub Saharan Africa	297,397	322,212	615,216	1,097,899	18	15	17	13
East Asia & Pacific	925,765	2,059,259	3,032,573	7,579,386	20	15	13	11
South Asia	410,341	620,253	995,809	2,088,236	30	27	19	18
Europe & Central Asia	1,240,214	960,670	2,190,933	3,055,026	17	10	8	7
Middle East & N.Africa	402,799	591,584	632,570	1,068,481	15	14	11	11
Latin America & Caribbean	1,146,895	1,995,118	2,455,621	4,969,416	9	8	8	6
Low-income economies	889,723	1,078,946	1,391,362	413,913	29	23	22	26
Middle-income economies	3,525,445	5,490,802	8,535,129	19,561,744	13	11	10	10
Lower-middle income	1,820,097	2,358,673	4,869,491	4,312,196	21	15	13	17
Upper middle-income	1,722,041	3,138,826	3,665,404	15,246,704	8	8	7	7
Low and middle-income	4,413,061	6,567,734	9,926,393	19,997,455	16	13	12	10
High-income economies	16,967,888	24,772,147	34,466,198	43,002,153	3	-	2	1
World	21,390,644	31,336,893	44,384,871	63,048,802	6	5	4	3

Source : *World Development Report 2012*, The World Bank.

4.02 GNI PER CAPITA AND FOOD CONSUMPTION : KILO CALORIE PER CAPITA										
Continent/ Country	Per capita		Consumption		Continent/ Country	Per capita		Consumption		
	GNI ^a (US \$)	GDP % growth	Kilo Calorie per capita per day			GNI ^a (US \$)	GDP % growth	Kilo Calorie per capita per day		
			2000-02	2006-08				2000-02	2006-08	
Africa										
Algeria	4,110	0.6	2990	3090	Korea Rep. of	22,670	1.6	3050	3040	
Egypt, Arab Rep.	3,000	0.5	3230	3160	Malaysia	9,800	3.9	2850	2890	
Madagascar	430	0.3	2060	2130	Nepal	700	3.4	2260	2340	
Morocco	2,940	1.2	3090	3260	Pakistan	1,260	2.4	2270	2280	
Nigeria	1,430	3.6	2560	2710	Philippines	2,470	4.8	2400	2580	
South Africa	7,610	1.3	2900	3000	Sri Lanka	2,920	9.2	2360	2370	
Tunisia	4,150	2.6	3250	3330	Turkey	10,830	0.9	3450	3500	
Zimbabwe	680	2.2	2010	2210	Thailand	5,210	6.1	2460	2540	
North & Central America										
Canada	50,970	0.6	3520	3530	Europe					
Mexico	9,740	2.6	3210	3260	Austria	48,160	0.4	3790	3800	
USA	50,120	1.5	3720	3750	Belgium	44,990	-1.1	3720	3690	
South America										
Argentina	-	-	3140	3030	Denmark	59,770	-0.8	3370	3410	
Brazil	11,630	-	2910	3120	Finland	46,940	-0.7	3160	3220	
Chile	14,280	4.6	2840	2960	France	41,750	-0.5	3640	3530	
Colombia	6,990	2.6	2650	2690	Germany	44,010	0.6	3480	3540	
Peru	5,880	5.0	2340	2410	Hungary	12,390	-1.4	3400	3470	
Uruguay	13,510	3.6	2800	2840	Italy	33,840	-2.7	3700	3650	
Venezuela RB	12,470	3.9	2420	2650	Netherlands	48,250	-1.4	3080	3000	
Asia										
Bangladesh	840	5.1	2170	2270	Poland	12,670	1.9	3410	3410	
China	5,740	7.3	2920	2990	Romania	8,420	4.0	3270	3490	
India	1,530	1.9	2260	2360	Russian Fedn.	12,700	3.0	2980	3320	
Indonesia	3,420	4.9	2480	2550	Spain	30,110	-1.5	3370	3260	
Israel	28,930	2.8	3560	3530	Switzerland	82,730	-0.1	3400	3450	
Japan	47,870	2.1	2860	2800	UK	38,250	-0.5	3410	3450	
Jordan	4,720	0.6	2740	3000	Ukraine	3,500	0.4	2980	3290	
Oceania										
						Australia	59,570	1.8	3050	3220
						New Zealand	30,620	2.3	3130	3150
						World	10,015	1.0		

GNI = Gross National Income
GDP = Gross Domestic Product
a = Calculated using the World Bank Atlas method.
Source: 1) *World Development Report 2014*, The World Bank.
2) FAO, Rome.

**4.03 TOTAL, AGRICULTURAL AND ECONOMICALLY ACTIVE POPULATION
2000 and 2013**

(in '000)

Continent/Country	Population				Economically Active Population				Percentage of economically active population in agriculture	
	Total		In Rural		Total		In Agriculture		2000	2012 *
	2000	2013 *	2000	2013 *	2000	2012 *	2000	2012 *		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9) = (7) / (5)	(10) = (8) / (6)
Africa										
Algeria	30,534	38,186	12,438	11,955	11,080	16,456	2,718	3,368	24.5	20.5
Egypt	67,648	87,614	37,832	46,752	20,171	26,498	6,339	6,316	31.4	23.8
Kenya	31,254	43,693	25,062	33,363	14,260	19,993	10,757	13,908	75.4	69.6
Morocco	28,793	33,453	13,398	13,467	10,138	12,140	3,372	2,929	33.3	24.1
Senegal	9,506	14,221	5,883	8,045	3,985	6,083	2,929	4,235	73.5	69.6
South Africa	44,760	53,417	19,333	19,111	15,919	19,210	1,482	1,147	9.3	6.0
Tunisia	9,456	11,006	3,493	3,689	3,175	4,117	756	820	23.8	19.9
Uganda	24,213	36,573	21,343	31,778	10,504	16,115	8,420	11,858	80.2	73.6
Zimbabwe	12,509	14,898	8,283	9,529	5,198	6,154	3,269	3,385	62.9	55.0
America										
North & Central America										
Canada	30,667	35,231	6,300	6,519	16,202	19,938	382	322	2.4	1.6
USA	282,496	317,136	59,512	59,922	148,007	164,342	3,090	2,410	2.1	1.5
South America										
Argentina	36,931	42,538	3,644	3,543	15,969	19,453	1,458	1,387	9.1	7.1
Brazil	174,425	204,259	32,821	29,711	82,919	103,310	13,325	10,495	16.1	10.2
Chile	15,420	17,576	2,172	1,907	6,084	7,510	962	960	15.8	12.8
Cuba	11,104	11,363	2,718	2,606	5,117	5,274	733	563	14.3	10.7
Mexico	99,960	123,740	26,257	26,067	40,257	52,234	8,658	7,911	21.5	15.1
Peru	25,862	30,565	7,009	6,696	11,675	16,075	3,344	3,760	28.6	23.4
Uruguay	3,319	3,408	288	171	1,574	1,677	197	184	12.5	11.0
Venezuela	24,348	30,276	2,468	3,377	10,040	14,429	811	700	8.1	4.9
Asia										
Afghanistan	22,856	30,683	16,356	22,648	7,045	9,602	4,485	5,684	63.7	59.2
Bangladesh	129,592	157,157	101,153	105,305	57,905	74,387	31,757	32,321	54.8	43.4
Bhutan	571	755	421	474	183	352	169	327	92.3	92.9
China Mainland	1,298,268	1,362,514	821,045	648,888	757,621	827,646	504,849	496,132	66.6	59.9
India	1,053,898	1,279,499	753,897	851,534	406,191	506,738	239,959	271,065	59.1	53.5
Indonesia	213,395	251,268	121,180	119,306	100,361	124,702	48,438	49,963	48.3	40.1
Iran	65,342	77,152	23,700	21,438	21,580	31,821	5,761	6,628	26.7	20.8
Iraq	23,857	34,107	7,657	10,379	5,771	8,422	535	413		
Israel	6,015	7,818	529	618	2,351	3,092	61	49	2.6	1.6
Japan	125,720	126,985	26,842	9,547	67,012	63,319	2,712	1,246	4.0	2.0
Jordan	4,827	7,215	963	1,221	1,298	2,045	118	119	9.1	5.8
Kazakhstan	14,957	17,100	6,453	7,668	7,586	8,717	1,321	1,162		13.3
Korea Dem Rep.	22,894	24,896	9,270	9,817	11,065	13,664	3,328	3,014	30.1	22.1
Korea Rep. of	45,988	49,847	9,370	8,745	22,196	25,018	2,206	1,142	9.9	4.6
Malaysia	23,415	29,465	8,905	7,939	9,796	13,070	1,849	1,513	18.9	11.6

(Continued)

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**4.03 TOTAL, AGRICULTURAL AND ECONOMICALLY ACTIVE POPULATION
2000 and 2013 (Concluded)**

(in '000)

Continent/Country	Population				Economically Active Population				Percentage of economically active population in agriculture	
	Total		In Rural		Total		In Agriculture		2000	2012 *
	2000	2013 *	2000	2013 *	2000	2012 *	2000	2012 *		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9) = (7) / (5)	(10) = (8) / (6)
Asia (Concluded)										
Myanmar	44,958	52,984	35,266	35,680	24,356	31,197	17,125	20,726	70.3	66.4
Nepal	24,401	27,835	20,070	22,828	9,310	12,147	8,677	11,291	93.2	93.0
Pakistan	144,522	181,193	96,169	113,184	42,898	67,008	18,712	25,487	43.6	38.0
Philippines	77,310	97,572	40,387	54,477	31,278	41,704	12,405	13,571	39.7	32.5
Sri Lanka	18,745	20,522	15,886	17,380	7,946	9,581	3,615	4,012	45.5	41.9
Syria	15,989	19,323	7,867	9,448	4,684	7,271	1,116	1,390	23.8	19.1
Thailand	63,155	67,451	42,928	34,884	35,583	38,405	20,089	18,032	56.5	47.0
Turkey	63,628	76,224	22,275	20,704	22,215	25,055	9,131	7,809	41.1	31.2
Vietnam	78,758	91,379	61,172	62,059	38,528	49,063	25,952	30,566	67.4	62.3
Yemen	17,723	25,533	12,920	16,243	3,941	6,009	1,888	2,210	47.9	36.8
Europe										
Austria	8,005	8,487	2,743	2,898	3,869	4,353	199	134	5.1	3.1
Belarus	10,058	9,497	2,488	2,257	4,806	4,799	636	394	13.2	8.2
Belgium	10,176	11,153	296	247	4,380	4,879	79	57	1.8	1.2
Bulgaria	8,006	7,253	2,488	1,929	3,201	3,248	228	106	7.1	3.3
Denmark	5,340	5,624	795	712	2,864	2,969	108	70	3.8	2.4
Finland	5,173	5,453	922	871	2,598	2,742	143	90	5.5	3.3
France	59,048	63,845	13,681	13,466	26,240	28,607	878	523	3.3	1.8
Germany	82,349	80,566	22,492	20,773	40,478	42,548	1,016	610	2.5	1.4
Italy	56,986	59,771	18,679	19,099	23,526	26,227	1,250	772	5.3	2.9
Netherlands	15,863	16,809	3,680	1,798	8,065	8,740	269	202	3.3	2.3
Norway	4,491	5,083	1,074	1,012	2,409	2,687	110	85	4.6	3.2
Poland	38,302	38,619	14,682	15,051	17,339	17,271	3,763	2,801	21.7	16.2
Portugal	10,336	10,460	4,700	3,995	5,289	5,631	678	495	12.8	8.8
Romania	22,192	19,794	10,522	9,930	11,475	9,514	1,739	791	15.2	8.3
Russian Fedn.	146,758	143,367	39,112	37,350	72,574	77,930	7,648	5,957	10.5	7.6
Spain	40,288	46,455	9,562	9,794	18,289	23,204	1,339	933	7.3	4.0
Sweden	8,860	9,624	1,417	1,386	4,600	5,140	146	109	3.2	2.1
U.K.	59,096	63,956	12,726	11,307	29,836	32,592	529	463	1.8	1.4
Ukraine	48,892	45,165	16,118	13,900	22,833	23,613	3,295	2,289	14.4	9.7
Oceania										
Australia	19,164	23,270	2,472	2,532	9,641	12,161	442	461	4.6	3.8
Fiji Islands	812	880	423	414	317	361	125	127	39.4	35.2
New Zealand	3,858	4,465	553	621	1,939	2,420	175	187	9.0	7.7
World Total	6,122,769	7,181,715	3,263,420	3,359,295	2,804,239	3,388,610	1,236,220	1,324,980	44.1	39.1

Note:(i) 'Economically active population' is defined as all persons engaged or seeking employment in an economic activity, whether as employers, own-account workers, salaried employees or unpaid workers assisting in the operation of a family farm or business.
(ii) 'Economically active population in Agriculture' incl. all economically active persons engaged principally in agriculture, forestry, hunting or fishing.
Source : FAO, Rome. * = Population - Est. & Proj. 2013

4.04 AVERAGE ANNUAL GROWTH IN POPULATION AND DENSITY					
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
Africa					
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			
N.C. America			Europe		
Canada	1.0	4	Austria	0.5	103
Mexico	1.3	62	Belarus	-0.5	47
USA	0.9	34	Belgium	0.7	368
			Bulgaria	-0.9	67
South America			Denmark	0.4	132
Argentina	0.9	15	Finland	0.4	18
Brazil	1.1	23	France	0.6	120
Chile	1.0	23	Germany	0	235
Peru	1.2	23	Hungary	-0.2	110
Uruguay	0.2	19	Italy	0.6	207
Venezuela	1.7	34	Netherlands	0.4	497
			Norway	0.9	16
Asia			Poland	0	127
Bangladesh	1.3	1188	Portugal	0.2	115
India	1.4	416	Romania	-0.4	93
Indonesia	1.4	136	Russian Fed	-0.2	9
Iran	1.2	47	Spain	1.1	93
Israel	1.9	365	Sweden	0.6	23
Japan	0	350	Switzerland	0.9	200
Jordan	2.3	71	UK	0.6	261
Kazakhstan	1.0	6	Ukraine	-0.6	79
Korea Rep.	0.5	515			
Kyrgyz Rep.	1.1	29	Oceania		
Lao PDR	1.7	29	Australia	1.4	3
Malaysia	1.8	89	New Zealand	1.2	17
			WORLD	1.2	54

Source: World Development Report 2014, The World Bank.

4.05 POPULATION BELOW POVERTY LINE					
	Population below national poverty line ¹		International poverty line ²		
	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			
AREA		WEIGHT	
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
			=
			=
			DISTANCE
			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 2015-16							
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		61.15 (Market rate)	
Month	1992-93		Market Rate				
	Official Rate	Market Rate	2011-12	2012-13	2013-14	2014-15	2015-16
April	25.89	30.93	44.37	51.80	54.38	60.36	62.75
May	25.89	30.34	44.90	54.47	55.01	59.31	63.80
June	25.89	30.24	44.85	56.03	58.4	59.73	63.86
July	25.89	30.25	44.42	55.49	59.78	60.06	63.63
August	25.89	30.09	45.28	55.56	63.34	60.90	65.07
September	25.89	30.06	47.63	54.61	63.75	60.86	66.22
October	25.89	30.05	49.26	53.02	61.62	61.34	65.06
November	25.89	30.08	50.86	54.78	62.63	61.70	
December	26.15	30.70	52.68	54.65	61.91	62.75	
January	26.20	30.88	51.34	54.32	62.08	62.23	
February	26.20	32.65	49.16	53.77	62.25	62.09	
March	-	31.53	50.32	54.51	61.01	62.45	

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 2014-15*, 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
(Official Rate)												
Mar-92	25.890	44.677		0.194	21.709	0.013	0.015	0.009	0.034	1.050	1.015	35.347
1992-93												
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
(Market Rate)**												
Mar. 92	29.455	51.959		0.227	24.698	0.015	0.017	0.010	0.383	1.195	1.155	35.347
1992-93	30.649	51.686		0.246	24.937	0.015	0.001	2.565	0.039	1.229	1.208	37.142
1993-94	31.366	47.206		0.291	23.956	0.015	0.121*	10.009	0.039	1.083	1.240	43.886
1994-95	31.399	48.821		0.316	22.725	0.014	42.398@	8.145	0.039	1.024	1.254	45.791
1995-96	33.450	52.353		0.348	24.541	0.015	35.279	4.953	0.043	1.030	1.338	50.477
1996-97	35.500	56.365		0.316	26.087	0.015	34.725	4.616	0.043	0.950	1.391	50.886
1997-98	37.165	61.024		0.303	26.491	0.010	33.856	4.613	0.035	0.884	1.067	50.674
1998-99	42.071	69.551		0.331	27.986	0.004	32.759	4.421	0.033	0.871	1.085	57.513
1999-2000	43.333	69.851	44.791	0.391	29.458	0.006	23.938	4.599	0.037	0.841	1.140	58.934
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

(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
2014-15												
April	60.357	101.079	83.349	0.589	54.913	0.005	27.047	4.619	0.058	0.621	1.867	93.452
May	59.305	99.940	81.489	0.583	54.430	0.005	26.676	4.586	0.058	0.601	1.820	91.812
June	59.731	100.984	81.241	0.585	55.130	0.005	26.824	4.601	0.059	0.607	1.840	92.054
July	60.059	102.622	81.394	0.591	55.900	0.005	26.996	4.633	0.059	0.608	1.869	92.582
August	60.895	101.809	81.142	0.592	55.728	0.005	26.836	4.633	0.059	0.608	1.901	92.946
September	60.865	99.313	78.601	0.568	55.272	0.005	25.954	4.590	0.059	0.594	1.891	91.272
October	61.342	98.717	77.912	0.569	54.710	0.005	24.999	4.545	0.058	0.597	1.889	91.240
November	61.704	97.283	76.986	0.530	54.508	0.005	24.049	4.519	0.056	0.606	1.879	90.431
December	62.753	98.112	77.355	0.526	54.430	0.005	23.669	4.301	0.057	0.623	1.909	91.360
January	62.226	94.483	72.684	0.525	50.233							
February	62.093	95.008	70.467	0.523	49.568							
March	62.450	93.529	67.630	0.519	49.554							
2015-16												
April	62.753	93.908	67.793	0.525	50.614							
May	63.800	98.821	71.214	0.528	52.488							
June	63.861	99.362	71.587	0.516	51.654							
July	63.635	99.077	70.029	0.516	49.657							
August	65.072	101.487	72.515	0.529	49.449							
September	66.218	101.603	74.391	0.551	50.028							
October	65.058	99.756	73.063	0.542								
<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 Federation of Exchange Dealers Associations of India (FEDAI).</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: 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>Source : 1. <i>Economic Survey - 2014-15</i>, Ministry of Finance, GOI, New Delhi. 2. <i>RBI Reference Rate</i>. 3. www.freecurrencyrates.com</p>												