

64th **ANNUAL REPORT 2018-19**

THE FERTILISER ASSOCIATION OF INDIA



9[™] GPCA FERTILIZER CONVENTION





CONTENTS

Board of Directors 2			
Principal Officers of FAI			
Notice of Annual General Meeting		7	
Dire	Directors' Report		
List	of Appendices		
Ι	Memoranda/Representations Submitted to Government	39	
II	FAI Representation on National and International Bodies	52	
III	FAI Participation in Conferences, Seminars, Workshops and Meetings	53	
IV	Training Programmes/ Orientation Courses held during 2018-19	57	
V	FAI Awards for 2018	65	
VI	FAI Publications	74	
VII	FAI Advisory/Regional Committee Meetings 2018-19	76	
VIII	Advisory Committees	77	
IX	FAI Members (as on 31.03.2019)	88	
X	Form No. MGT-9	103	
Independent Auditor's Report			
Balance Sheet			
Senior Staff of FAI			



AUDITORS

M/s. Lochan & Co., Delhi

REGISTERED OFFICE

The Fertiliser Association of India FAI House, 10 Shaheed Jit Singh Marg New Delhi - 110 067 CIN U85300DL 1955NPL002999 Tel: +91-11-26567144, 46005204 Fax: +91-11-26960052 E-mail:secy@faidelhi.org Website: www.faidelhi.org



BOARD OF DIRECTORS



K.S. Raju Chairman, FAI Chairman Emeritus, NFCL



Manoj Mishra Co-Chairman, FAI CMD, NFL



Ajay S. Shriram Emeritus Director, FAI Chairman & Sr. Managing Director DCM Shriram Ltd.



A. Vellyan Emeritus Director, FAI



P.S. Gahlaut MD, IPL



Rakesh Kapur Jt. MD, IFFCO



R.K. Chopra MD, KRIBHCO Fertilizers Ltd. w.e.f. 07.05.2019



M.S. Dagur MD, GNFC w.e.f. 05.12.2018



Umesh Dhatrak CMD, RCF



Sameer Goel MD, Coromandel International





O.P. Gupta MD, Kribhco Fertilizers Ltd. upto 31.1.2019



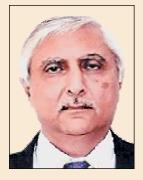
Ashvini Hiran MD & CEO, IRC Agrochemicals w.e.f. 26.09.2018



A.K. Jain Vice Chairman, KFCL



Sanjiv Kanwar MD, Yara Ferts.India Pvt. Ltd. w.e.f. 07.05.2019



Anil Kapoor MD, CFCL



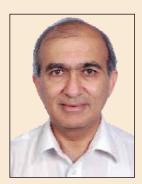
K.K. Kaul WTD, DCM Shriram



Shailesh Khaitan CMD Khaitan Chems. & Ferts.



A. B. Khare CMD, MFL upto 05.12.2018



Rahul Kohli CEO (Fert. Business) Grasim Industries (Unit : Indo Gulf Fertilisers) upto 31.07.2019



N. Suresh Krishnan MD, MCFL





D. Nanda Kumar MD, FACT upto 31.05.2019



J.C. Laddha CEO-Birla Copper Hindalco upto 30.06.2019



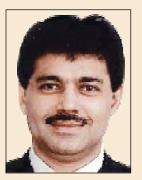
Praveen Kumar Maheshwari WTD & CFO Hindalco Industries Ltd. w.e.f. 07.08.2019



Sanjai Maheshwari CMD, BVFCL w.e.f. 07.05.2019



S.C. Mehta CMD, Smartchem Technologies Ltd.



Manish Nagpal CEO, Greenstar Fertilizers Ltd.



S.K. Nayak MD, NCDC w.e.f. 02.04.2018



Akshay Poddar Director, ZACL



D.S. Sudhakar Ramaiah Director (Finance), PDIL



S.R. Ramakrishnan WTD, SPIC





N. Sambasiva Rao MD, KRIBHCO



Narasimha Rao CEO, Yara Ferts. India Pvt. Ltd. Up to 07.05.2019



C. Narasimha Reddy JACPL



Kishore Rungta CMD, FACT w.e.f. 07.08.2019



U. Saravanan CMD, MFL w.e.f. 05.12.2018



MD, PPL



S.D. Singh Director (Prodn.), BVFCL upto 31.01.2019



S.P. Yadav ED (Agri Business), GSFC



Satish Chander DG, FAI



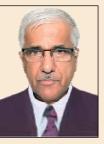
PRINCIPAL OFFICERS OF FAI



S. Nand Deputy Director General



T.K.Chanda Adviser



D.S.Yadav Director (Marketing)



R.K.Tewatia Director (Agricultural Sciences)



A.C.Dubey Chief Economist



D. Ramakrishnan Secretary & Treasurer



Manish Goswami Chief (Technical)



Parag Dass Saxena Chief (Marketing)



D.D. Khose Regional Head (West)



Y.V.N.Murthy Regional Head (South)



Kabita Debnath Das Dy. Chief (Documentation & Information)





Kuldeep Sati Dy. Chief (Statistics & IT)



D.P. Patra Regional Head (East)





NOTICE OF ANNUAL GENERAL MEETING

THE FERTILISER ASSOCIATION OF INDIA (Company Limited by Guarantee) Licensed Under Section 26 of the Companies Act 1913 Regd. Office: FAI House, 10, Shaheed Jit Singh Marg, New Delhi 110067, INDIA CIN: U85300DL 1955NPL002999

Notice is hereby given that the 64th Annual General Meeting of The Fertiliser Association of India (FAI) will be held on Wednesday, the 25th September, 2019 at 11.30 hours in the Board Room of FAI, located at FAI House, 10, Shaheed Jit Singh Marg, New Delhi-110067, to transact the following business:

ORDINARY BUSINESS

1. To receive and adopt the Directors' Report for the year 1^{st} April, 2018 to 31^{st} March, 2019.

2. To receive and adopt the Audited Statements of Accounts of the Association for the year 1st April 2018 to 31st March, 2019 viz, the Income and Expenditure Account for the year ended on the 31st March, 2019 and the Balance Sheet as at the 31st March, 2019.

3. To appoint Directors of the Association:

In accordance with Section 152 and any other applicable provisions of Companies Act, 2013 and Article 83 of the Articles of Association of FAI, the following Directors retire by rotation:

(i) Mr. Manoj Mishra (DIN 06408953) representative of M/s National Fertilizers Limited (NFL) to represent the interests of nitrogenous and complex fertiliser manufacturers.

(ii) Mr. N. Sambasiva Rao (DIN 06400663) representative of M/s Krishak Bharati Cooperative Ltd (KRIBHCO) to represent the interests of nitrogenous and complex fertiliser manufacturers.

(iii) Mr. P.S. Gahlaut (DIN 00049401) representative of M/ s Indian Potash Limited (IPL), to represent the interests of potassic fertilisers.

(iv) Mr. Shailesh Khaitan (DIN 00041247) representative of M/s *Khaitan* Chemicals & *Fertilizers* Ltd. (KCFL), to represent the interests of Super Phosphate manufacturers.

(v) Mr. K.K.Kaul (DIN 00980318) representative of M/s DCM Shriram Fertilizers Ltd., to represent the interests of nitrogenous and complex fertiliser manufacturers.

The above Directors being eligible and qualified offer themselves for re-election in accordance with Article 85 of the Articles of Association of FAI.

SPECIAL BUSINESS

4. Appointment of Directors in place of retiring Directors.

(i) To consider and, if thought fit, to pass, with or without modification(s) the following Resolution as an Ordinary Resolution:

"RESOLVED that pursuant to the provisions of Section 152, 161(4), and any other applicable provisions of Companies Act, 2013 read with rules made thereunder, and Article 73 of the Articles of Association of FAI, Mr. N. Sanjai Maheshwari, (DIN 00653170) representing M/s Brahmaputra Valley Fertilizer Corporation Limited (BVFCL), who was appointed as a Director in casual vacancy by the Board of Directors at its meeting held on 07.05.2019 and whose term of office expires at this Annual General meeting and in respect of which the Company has received notice under Section 160 of the Companies Act, 2013 proposing his candidature for the office of Director, be and is hereby appointed as a Director of the company to represent the interests of nitrogenous and complex fertiliser manufacturers, liable to retire by rotation."

(ii) To consider and, if thought fit, to pass, with or without modification(s) the following Resolution as an Ordinary Resolution:

"RESOLVED that pursuant to the provisions of Section 152, 161(4), and any other applicable provisions of Companies Act, 2013 read with rules made thereunder, and Article 73 of the Articles of Association of FAI, Mr. R.K.Chopra (DIN: 06969911) representing M/s Kribhco Fertilizers Limited (KFL), who was appointed as a Director in casual vacancy by the Board of Directors at its meeting held on 07.05.2019 and whose term of office expires at this Annual General meeting and in respect of which the Company has received notice under Section 160 of the Companies Act, 2013 proposing his candidature for the office of Director, be and is hereby appointed as a Director of the company to represent the interests of nitrogenous and complex fertiliser manufacturers, liable to retire by rotation."

(iii) To consider and, if thought fit, to pass, with or without modification(s) the following Resolution as an Ordinary Resolution:

"RESOLVED that pursuant to the provisions of Section 152, 161(4), and any other applicable provisions of Companies Act, 2013 read with rules made thereunder, and Article 73 of the Articles of Association of FAI, Mr. Sanjiv Kanwar, (DIN:03379055) representing M/s Yara Fertiliser India Pvt. Ltd., who was appointed as a Director in casual vacancy by the Board of Directors at its meeting held on 07.05.2019 and whose term of office expires at this Annual General meeting and in respect of which the Company has received notice under Section 160 of the Companies Act, 2013 proposing his candidature for the office of Director, be and is hereby appointed as a Director of the company to represent the



interests of nitrogenous and complex fertiliser manufacturers, liable to retire by rotation."

(iv) To consider and, if thought fit, to pass, with or without modification(s) the following Resolution as an Ordinary Resolution:

"RESOLVED that pursuant to the provisions of Section 152, 161(4), and any other applicable provisions of Companies Act, 2013 read with rules made thereunder, and Article 73 of the Articles of Association of FAI, Mr. Praveen Kumar Maheshwari, (DIN: 00174361) representing M/s Hindalco Industries Ltd (HIL), who was appointed as a Director in casual vacancy by the Board of Directors at its meeting held on 07.08.2019 and whose term of office expires at this Annual General meeting and in respect of which the Company has received notice under Section 160 of the Companies Act, 2013 proposing his candidature for the office of Director, be and is hereby appointed as a Director of the company to represent the interests of nitrogenous and complex fertiliser manufacturers, liable to retire by rotation."

(v) To consider and, if thought fit, to pass, with or without modification(s) the following Resolution as an Ordinary Resolution:

"RESOLVED that pursuant to the provisions of Section 152, 161(1), and any other applicable provisions of Companies Act, 2013 read with rules made thereunder, and Article 73 of the Articles of Association of FAI, Mr. Kishor Rungta, (DIN: 00231106) representing M/s The Fertilizers and Chemicals Travancore Limited (FACT), who was appointed as an Additional Director by the Board of Directors at its meeting held on 07.8.2019 and whose term of office expires at this Annual General meeting and in respect of which the Company has received notice under Section 160 of the Companies Act, 2013 proposing his candidature for the office of Director, be and is hereby appointed as a Director of the company to represent the interests of nitrogenous and complex fertiliser manufacturers, liable to retire by rotation."

(vi) To consider and, if thought fit, to pass, with or without modification(s) the following Resolution as an Ordinary Resolution:

"RESOLVED that pursuant to the provisions of Section 152, 161(1), and any other applicable provisions of Companies Act, 2013 read with rules made thereunder, and Article 73 of the Articles of Association of FAI, Mr. U. Saravanan, (DIN: 07274628) representing M/s Madras Fertilizers Ltd. (MFL), who was appointed as an Additional Director by the Board of Directors at its meeting held on 05.12.2018 and whose term of office expires at this Annual General meeting and in respect of which the Company has received notice under Section 160 of the Companies Act, 2013 proposing his candidature for the office of Director, be and is hereby appointed as a Director of the company to represent the interests of nitrogenous and complex fertiliser manufacturers,, liable to retire by rotation." (vii) To consider and, if thought fit, to pass, with or without modification(s) the following Resolution as an Ordinary Resolution:

"RESOLVED that pursuant to the provisions of Section 152, 161(1), and any other applicable provisions of Companies Act, 2013 read with rules made thereunder, and Article 73 of the Articles of Association of FAI, Mr. M.S. Dagur, (DIN: 01622222) representing M/s Gujarat Narmada Valley Fertilizers & Chemicals Limited (GNFC), who was appointed as an Additional Director by the Board of Directors at its meeting held on 05.12.2018 and whose term of office expires at this Annual General meeting and in respect of which the Company has received notice under Section 160 of the Companies Act, 2013 proposing his candidature for the office of Director, be and is hereby appointed as a Director of the company to represent the interests of, nitrogenous and complex fertiliser manufacturers, liable to retire by rotation."

5. Appointment of Director General

To consider and, if thought fit, to pass, with or without modification(s) the following Resolution as a Special Resolution:

"RESOLVED that in pursuant to the provisions of Section 196 of the Companies Act, 2013, as amended from time to time, and in accordance with Schedule V of Companies Act, 2013 and all applicable provisions and guidelines for the managerial remuneration issued by the Central Government from time to time, the Company hereby accords its consent and approval to the extension of the tenure of Mr. Satish Chander, (DIN: 00276346) as Director General of the Association for a period of one year effective from 11th June, 2019 on the existing terms and conditions as approved by the Board of Directors of FAI at its meeting held on 7th May, 2019 as given in the explanatory note in the notice convening this Annual General Meeting".

6. a) Assessment of dues for the year 1st April, 2020 to 31st March, 2021 as follows:

Sl. No.	Member Category	Proposed dues
(i) (ii) (iii)	Associate Members Overseas Associate Members Technical & Professional Associate	Rs. 20,000/-* US \$ 2000/-* e Rs. 500/-*
	Associate Members *Plus applicable GST.	

b) To consider and adopt the budget of the Association for the year 1st April, 2020 to 31st March, 2021.

By the order of Board of Directors

New Delhi	D. Ramakrishnan
23 rd August 2019	Secretary
Note:	

1. The Explanatory statement pursuant to Section 102(1) of the Companies Act, 2013 with respect to Special Business listed in terms 4 to 6 of the Notice is annexed hereto and forms part of this Notice.



EXPLANATORY STATEMENT

Notice Item No.4(i)

Mr. N. Sanjai Maheshwari, (DIN 00653170) representing M/s Brahmaputra Valley Fertilizer Corporation Limited (BVFCL), was appointed as a Director in casual vacancy by the Board of Directors at its meeting held on 07.05.2019. As per Section 161(4) of the Companies Act, 2013 a person who has been appointed as Director in casual vacancy holds office only up to the date up to which the Director in whose place he is appointed would have held office if it had not been vacated. Consequently, Mr. N. Sanjai Maheshwari holds office up to the date of this Annual General Meeting, the date till which the original Director Mr. S.D.Singh would have held the office. Against this resultant vacancy, M/s Brahmaputra Valley Fertilizer Corporation Limited have proposed the candidature of Mr. N. Sanjai Maheshwari as a candidate to the office of Director of FAI.

None of the Directors except Mr. N. Sanjai Maheshwari himself is concerned or interested in the resolution.

Notice Item No.4(ii)

Mr. R.K.Chopra (DIN: 06969911) representing M/s Kribhco Fertilizers Limited (KFL), was appointed as a Director in casual vacancy by the Board of Directors at its meeting held on 07.05.2019. As per Section 161(4) of the Companies Act, 2013 a person who has been appointed as Director in casual vacancy holds office only up to the date up to which the Director in whose place he is appointed would have held office if it had not been vacated. Consequently, Mr. R.K.Chopra holds office up to the date of this Annual General Meeting, the date till which the original Director Mr. O.P.Gupta would have held the office. Against this resultant vacancy, M/s Kribhco Fertilizers Limited have proposed the candidature of Mr. R.K.Chopra as a candidate to the office of Director of FAI.

None of the Directors except Mr. R.K.Chopra himself is concerned or interested in the resolution.

Notice Item No.4(iii)

Mr. Sanjiv Kanwar, (DIN:03379055) representing M/s Yara Fertiliser India Pvt. Ltd., was appointed as a Director in casual vacancy by the Board of Directors at its meeting held on 07.05.2019. As per Section 161(4) of the Companies Act, 2013 a person who has been appointed as Director in casual vacancy holds office only up to the date up to which the Director in whose place he is appointed would have held office if it had not been vacated. Consequently, Mr. Sanjiv Kanwar holds office up to the date of this Annual General Meeting, the date till which the original Director Mr. Narasimha Rao, would have held the office. Against this resultant vacancy, M/s Yara Fertiliser India Pvt. Ltd. have proposed the candidature of Mr. Sanjiv Kanwar as a candidate to the office of Director of FAI.

None of the Directors except Mr. Sanjiv Kanwar himself is concerned or interested in the resolution.

Notice Item No.4(iv)

Mr. Praveen Kumar Maheshwari, (DIN: 00174361) representing M/s Hindalco Industries Ltd (HIL), was appointed as a Director in casual vacancy by the Board of Directors at its meeting held on 07.08.2019. As per Section 161(4) of the Companies Act, 2013 a person who has been appointed as Director in casual vacancy holds office only up to the date up to which the Director in whose place he is appointed would have held office if it had not been vacated. Consequently, Mr. Praveen Kumar Maheshwari holds office up to the date of this Annual General Meeting, the date till which the original Director Mr. J.C. Laddha, would have held the office. Against this resultant vacancy, M/s Hindalco Industries Ltd. have proposed the candidature of Mr. Praveen Kumar Maheshwari as a candidate to the office of Director of FAL

None of the Directors except Mr. Praveen Kumar Maheshwari himself is concerned or interested in the resolution.

Notice Item No.4(v)

Mr. Kishor Rungta, (DIN: 00231106) representing M/s The Fertilizers and Chemicals Travancore Limited (FACT), was appointed as an Additional Director on the Board of FAI on 07.08.2019. His term as Additional Director is expiring at 64th AGM. He has been nominated as the candidature of Mr. Kishor Rungta, as a Director on the Board of FAI against the existing vacancy as per the requirements under Section 160 of the Companies Act, 2013.

None of the Directors except Mr. Kishor Rungta himself is concerned or interested in the resolution.



Notice Item No.4(vi)

Mr. U. Saravanan, (DIN: 07274628) representing M/s Madras Fertilizers Ltd. (MFL), was appointed as an Additional Director on the Board of FAI on 05.12.2018. His term as Additional Director is expiring at 64th AGM. He has been nominated as the candidature of Mr. U.Saravanan, as a Director on the Board of FAI against the existing vacancy as per the requirements under Section 160 of the Companies Act, 2013.

None of the Directors except Mr. U. Saravanan himself is concerned or interested in the resolution.

Notice Item No. 4(vii)

Mr. M.S. Dagur, (DIN: 01622222) representing M/s Gujarat Narmada Valley Fertilizers & Chemicals Limited (GNFC), was appointed as an Additional Director on the Board of FAI on 05.12.2018. His term as Additional Director is expiring at 64th AGM. He has been nominated as the candidature of Mr. M.S. Dagur, as a Director on the Board of FAI against the existing vacancy as per the requirements under Section 160 of the Companies Act, 2013.

None of the Directors except Mr. M.S. Dagur himself is concerned or interested in the resolution.

Notice Item No.5 Extension of the tenure of Director General (DG)

The tenure of Shri. Satish Chander (DIN: 00276346),

Director General of the Association ended on 10th June, 2019. The Board of Directors in its meeting held on 7th May, 2019 unanimously decided to extend the tenure of Shri. Satish Chander, as DG, FAI, for further period of one year on the recommendations of Search Committee constituted by the Board on the 12th May, 2017. The Search Committee recommended the extension of the tenure of Shri. Satish Chander as he has been handling various issues of industry in an appreciable manner and also keeps relationship with different government departments, media etc. extremely well. The extension of the tenure of Shri. Satish Chander was on the existing terms and conditions.

None of the Directors except Shri. Satish Chander is interested in the resolution.

Notice Item No.6

(a) The assessment dues for Associate, Overseas Associate and Technical and Professional Associate Members have to be determined by the Board and approved at the AGM under Article 19 of the Articles of Association of FAI. The proposed rates of membership subscription for the year 2020-21 have been approved by the Board on 07th August, 2019 and the same are given in the AGM Notice.

(b) The Budget for the year 2020-21 is placed before the General Body for ratification after approval of the Board of Directors in accordance with clause 18 of the Articles of Association. The proposed Budget has been approved by the Board in its meeting held on the 07th August, 2019.



DIRECTORS' REPORT

The Board of Directors has pleasure in presenting 64th Annual Report of the Fertiliser Association of India along with the audited statement of accounts for the financial year ended on 31st March, 2019.

During 2018-19, fertilizer sector was driven by a variety of factors including comfortable availability, increased fertilizer use amidst below normal rainfall, subdued domestic production supplemented by high imports, continued shortfall in domestic gas availability fulfilled through high cost LNG, unfavourable policies, payment delays under DBT, pending issues relating to GST, etc. Despite various issues and concerns, Indian fertilizer industry continued to ensure timely supply of required quantity of fertilizers to farmers throughout the country. The industry continued to give full cooperation to the government in implementation of DBT for fertilizer sector in its present form.

Interestingly, water level in major reservoirs improved during major part of *kharif* 2018 despite changing pattern of weather and rainfall below normal level. Crop acreage and production were marginally lower during both *kharif* and *rabi* seasons. Foodgrains production slipped from 285 million tonnes in 2017-18 to 283 million tonnes in 2018-19. While oilseeds production stood at the previous year's level, sugarcane showed a modest increase.

Indian urea industry continued to suffer during the year due to unfavourable policies. These *inter-alia* included non-payment of increased fixed cost as per notified Modified NPS-III policy, non-recognition of further increase in fixed cost beyond Modified NPS-III levels, unreasonable reduction in energy consumption norms under NUP-2015. Additional production beyond re-assessed capacity has also turned unviable due to non-implementation of minimum fixed cost as per Modified NPS-III Policy.

There were inordinate delays in payment of subsidy under DBT. Payments which were due prior to implementation of DBT also remained unsettled. Payments due to escalation in cost of natural gas were also not made by the end of financial year 2018-19. Thus, urea units faced liquidity problems and incurred high interest cost on working capital.

FAI has been regularly bringing to the notice of the Department of Fertilizers the problems faced by fertilizer companies in implementation of DBT. It gave a number of suggestions for addressing the DBT related issues. These *inter alia* include bringing amendment in FCO to make it mandatory for retailers to sell fertilizers

only through POS machines and operational problems of the system. It also requested for exemption of fertilizer companies from the stringent provisions laid down in RBI circular dated 12th February, 2018 regarding payment of loans as industry was reeling under liquidity problem due to delay in payment of subsidy.

Inspite of best efforts of FAI and industry, arrears of subsidy dues have been mounting. There was estimated carryover of almost Rs. 39000 crore at the end of 2018-19. Subsidy on urea increased during the year due to increase of pooled price of natural gas.

There are number of court cases going on mainly in Delhi High Court. These are the petitions filed by FAI on behalf of its members in the matters of reimbursement of marketing margin paid on KG-D6 gas, payment of interest on delayed payment of subsidy, reimbursement of balance of losses suffered on sale of fertilizer bonds, etc. Government in general has been delaying progress in these cases by seeking repeated adjournments on one pretext or the other. In case of marketing margin, government's LPA in division bench of Delhi High Court and SLP in Supreme Court challenging the orders of Delhi High Court were dismissed. FAI's fresh petition for determination of date from which marketing margin be paid for past period is now before the Delhi High Court.

In regard to GST, as a result of persistent follow up by the FAI at various levels in the government, the rate of GST on fertilizer grade phosphoric acid was finally reduced to 5% w.e.f. July 2018. This has provided relief to the phosphatic fertilizer units. Further, FAI representations also resulted in classification of imported urea and MOP used for manufacture of complex fertilizers in the category of 5% rate of GST. The efforts of FAI in the past also resulted in reduction of GST for finished fertilizers and sulphur to 5%.

FAI continued to pursue with GST Council and the Department of Fertilizers for addressing the other GST related issues of the fertilizer sector. These *inter-alia* include refund of unutilized input tax credit (ITC) in respect of both input and input services under the inverted duty structure, refund of unutilized ITC arising due to exemption of fertilizer subsidy from levy of GST; reduction in GST rate for movement of fertilizer through multi-model transport to 5% to bring in parity between freight cost of fertilizers by rail and multi-model transport.

The share of domestic gas in total gas supply for fertilizer sector has been reducing over the years. It reduced from 75% in 2013 to less than 40% during 2018-19. The shortfall in supply of domestic gas was substituted with high cost LNG which led to increase



in pooled gas cost. FAI continued to represent to the DoF for additional allocation of domestic natural gas which can save subsidy substantially. It was also emphasized that three plants manufacturing complex fertilizers using domestic ammonia need to be allocated gas from the pool.

FAI continued its efforts to take up the problems of the members with the Central Pollution Control Board (CPCB) in implementation of online monitoring system. A meeting with the concerned officials of CPCB was arranged wherein most of the suggestions of fertilizer plants were accepted by the CPCB. Accordingly, Guidelines for online monitoring systems for emissions were revised.

The Ministry of Environment, Forests and Climate Change (MoEFCC) notified the Plastic Waste Management Rules 2016 in March 2016. After representation by the FAI and others, MoEFCC amended the notification in March 2018 by permitting plastic bags for alternative use. FAI sent further representation to the MoEFCC stating that with a large consumer base, it will be difficult for the fertilizer industry to collect bags at the end of the life of bags and account for them. In this context, FAI commissioned a study to an agency to carry out the Life Cycle Analysis of fertilizer bags to establish the multiple usage by the farmers and other sections of the society. FAI will then represent the case to the regulator appropriately.

FAI worked with Bureau of Energy Efficiency (BEE) to implement the PAT Cycle 2 for fertilizer industry. First it was ensured that there are realistic energy saving targets and second, the normalization factors for complex fertilizer plants were finalized in consultation with the industry. This will ensure that fertilizer plants are not penalized for increase in energy consumption due to factors beyond control of plant management.

FAI has initiated a benchmarking exercise of key process parameters in ammonia and urea plants for the period of 2017-18. The benchmarking study will help the plants to compare their operating matrix and identify scope for improving the operational efficiency. The benchmarking report will be provided to each participating unit.

FAI continued to work with the government in bringing amendments in Fertiliser (Control) Order. A number of products were brought under FCO during 2018-19. These *inter-alia* include boron ethanolamine, elemental sulphur fortified with zinc oxide in micro-granule form, NPK 8:21:21 with Mg, S, Zn and B, DAP with 4% S, potash derived from rhodophytes, phospho-gypsum (granular)and thirty two grades of customized fertilizers. The proposal of amendment in specifications of *neem* coated urea remained under active discussions. After detailed deliberations, Central Fertiliser Committee (CFC) observed that in view of the concerns raised by the FAI, it was not justified to enforce the revised specifications immediately and recommended the postponement of the enforcement of proposed specifications by one year.

It is worthwhile to mention that with the persuasion of the FAI, a new provision of third analysis has been made in FCO under specific cases. In case, the sample is declared non-standard in different parameters or there is a wide variation in two reports, one can go in for second appeal for third analysis and that analysis shall be carried out at any of the five laboratories of National Test House.

The government has also reduced the time limit for testing of fertilizer samples to half from the existing level in respect of despatch of sample, analysis in laboratory and communication of results to dealers with effect from July, 2018.

Parliamentary Standing Committee on Agriculture in its 54th Report recommended to the Government to take steps for constitution of a Fertilizer Development and Regulating Authority to streamline the process of certification of fertilizers, continuous quality check, imposing penalty for sub-standard and spurious quality of fertilizers, promoting innovations in fertilizer sector and fixation of pricing of fertilizers, etc. In this context, Department of Agriculture, Cooperation and Farmers Welfare constituted a Committee with DG-FAI as one of the members. After detailed deliberations. the Committee is of the view that the concerns raised by the Parliamentary Standing Committee are well taken care of under the various provisions of FCO and obviates the need for constitution of Fertilizer Development and Regulating Authority in fertilizer sector.

FAI and industry continued to collaborate with reputed international organizations. It is heartening to mention that Indian fertilizer industry has two representations on the Board of International Fertilizer Association (IFA) including the position of Chairman. FAI provided valuable inputs to IFA regarding benchmarking of parameters related to energy efficiency, safety and environment at global level and harmonization of benchmarking carried out by the regional associations including FAI. It is for the first time that IFA Annual Conference will be held in Delhi in April, 2020.

FAI continues to reward excellence in various functional areas, viz., production, environment, safety, nutrient management, etc. The achievements of individuals and organizations are recognized by way



of Awards. The two new awards instituted by IFFCO in 2016-17, namely, 'US Awasthi-IFFCO awards' for excellence in the field of agriculture and fertilizer industry were given to two eminent personalities in 2017-18 for their contribution to development of fertilizer industry and agriculture research and education.

FAI Annual Seminar 2018 was held at New Delhi during 5-7 December, 2018 devoted to the theme "Making Fertilizer Industry Viable and Vibrant". It was attended by more than 1200 delegates from India and other countries. Honourable Cabinet Minister and Minister of State for Chemicals & Fertilizers addressed the delegates.FAI organized 54 training programmes / group discussions/ workshops in various parts of the country on different subjects in the areas of technology, environment, policy, fertilizer use efficiency, logistics, marketing and IT.

FAI has been providing wealth of information to its members and other stake-holders though both electronic and printed formats including FAI website www.faidelhi.org. The FAI website contains a variety of information including statistical data, maps, environmental issues, energy consumption, government notifications, developments in fertilizer policies, reports, abstract service, calendar of events and daily news bulletin. Blogs and social media are also being utilized for dissemination of information.

FAI continued to bring out monthly journals, annual and adhoc publications with valuable contents relating to fertilizer and agriculture sectors. FAI publications are treated as authentic source of information by the readers.

The details of major developments during 2018-19 are presented in the following paragraphs:

1.0 MONSOON, FERTILIZER PRODUCTION, IMPORTS, AVAILABILITY AND CONSUMPTION

1.1 Below Normal South-west Monsoon

1.1.1 Indian agriculture depends heavily on rains received from South-west monsoon. Over 70% of the total annual rainfall is received from South-west monsoon (June-September). The South-west monsoon 2018 arrived 3 days before normal arrival date. But the aggregate rainfall was 9% below normal during the monsoon season. Out of 36 meteorological subdivisions, 24 received normal rainfall and 12 deficient rainfall during South-west monsoon. Rains were deficient in Arunachal Pradesh; Assam & Meghalaya; Gangetic West Bengal; Jharkhand; Bihar; West Rajasthan; Gujarat Region; Saurashtra, Kutch & Diu; Marathawada; Rayalaseema; North Interior Karnataka and Lakshadweep. During the period, 62% of the districts received normal to excess rains.

1.1.2 Water level in major reservoirs was higher than the previous year as well as normal storage at the end of *kharif* season. Live storage in 91 major reservoirs at the end of *kharif* 2018 was higher at 120.92 billion cubic meters (BCM) as against 107.35 BCM on the corresponding date in the previous year. This was 113% of the last year's level and 104% of the normal storage.

1.1.3 There was a marginal shortfall in the area sown under various crops during both the cropping seasons. During *kharif* 2018, about 99% of the total normal area was covered and in *rabi*, it was 96%. Area under total *kharif* crops was about 105.24 million hectares (Mha) at All-India level which was 1.9% lower than the previous *kharif*. During *rabi* 2018-19, area sown under all crops was reported at 60.43 Mha, representing a fall of 3.8% over *rabi* 2017-18.

1.2 Adequate Availability of Fertilizers

1.2.1 There was adequate availability of various fertilizers from opening inventory, indigenous production and imports to take care of increased demand of fertilizers in 2018-19. Inventory of Urea at various points excluding stocks at the dealers' point was about 1.6 million MT at the beginning of the year. Similarly, inventory of DAP and NP/NPKs together was about 1.1 million MT, SSP 0.64 million MT and MOP 0.63 million MT. The details of progress in domestic production, import and consumption are presented in the following paragraphs.

1.2.2 Marginal Fall in Production

1.2.2.1 Overall production of total nutrients (N+P₂O₅) registered a negative growth of 1.2% during 2018-19 over the previous year. Both nitrogen (N) and phosphorus (P₂O₅) witnessed fall in production during the year. Production of N at 13.34 million MT during 2018-19 fell marginally by 0.6% over 2017-18. The production of P₂O₅ at 4.59 million MT registered a decline of 2.8% during the same period. Despite increase in production of SSP and NP/NPK complex fertilizers, the fall in production of urea and DAP led to overall reduction in production of both the nutrients. In absolute term, total production of urea, DAP, NP/NPKs and SSP was of the order of 23.9 million MT, 3.9 million MT, 9.0 million MT and 4.1 million MT, respectively, during 2018-19.

1.2.2.2 Production of fertilizers could have achieved higher growth if the industry did not suffer from a



number of problems. Fertilizer industry continued to suffer due to inadequate availability of natural gas from domestic sources. Gap in availability was fulfilled through high cost imported LNG. Two urea plants in Andhra Pradesh were shut down in major part of the year. In addition, a few urea plants had extended shutdown for implementation of energy saving projects. Limitations in availability of phosphoric acid were also experienced by some of the DAP/NP/NPK plants. Production was restricted in one DAP/NP/NPK plant due to non-availability of wagons for movement of fertilizers from plant to rake points. In addition, a couple of plants faced mechanical and equipment related problems resulting in loss of production during the year.

1.2.3 Increase in Imports of Urea, DAP and NP/NPKs and Fall in MOP

1.2.3.1 Loss in production was more than offset by substantial increase in imports of fertilizers, particularly of urea and DAP. During 2018-19, import of urea and DAP increased by 24.7% and 56.6%, respectively, over 2017-18. Import of NP/NPKs also increased by 9.4% during the period. However, import of MOP fell by 11% during the period. The absolute quantum imports of urea, DAP, NP/NPKs and MOP was 7.45 million MT, 6.60 million MT, 0.55 million MT and 4.21 million MT, respectively, during 2018-19.

1.3 Modest Growth in Consumption

1.3.1 The actual consumption data of fertilizers for 2018-19 are yet to be finalized by the government. In the absence of actual consumption data, DBT sale figures for 2018-19 have been used here as estimated consumption. Supported with normal weather in major part of the country and coverage of area near normal in both *kharif* and *rabi* seasons, fertilizer consumption has shown a modest growth in 2018-19 over the previous year. Overall consumption of total nutrients $(N+P_2O_5+K_2O)$ increased by 2.9% during 2018-19 over 2017-18.

1.3.2 The estimated consumption of N and P_2O_5 showed increase of 5.8% and 0.2%, respectively, during 2018-19 over 2017-18. However, consumption of K₂O showed a decline of 8.6% during the period. Total consumption in terms of nutrients is estimated at 27.36 million MT for 2018-19 which is 2.9% higher than the consumption during the previous year. Consumption of N at 17.95 million MT, P_2O_5 at 6.87 million MT registered increase of 5.8% and 0.2%, respectively, during 2018-19 over 2017-18. However, consumption of K₂O at 2.54 million MT fell by 8.6% during the period.

1.3.3 In terms of product, All-India estimated

consumption of urea, SSP and NP/NPK complex fertilizers increased by 7.1%, 25.9% and 5.6%, respectively, during 2018-19 over 2017-18. However, consumption of DAP and MOP showed decline of 6% and 13.4%, respectively, during the period.

1.3.4 State wise analysis of fertilizer consumption gives an interesting reading. Consumption of urea recorded positive growth in majority of the states. The states which witnessed negative growth in urea consumption during 2018-19 over 2017-18, include, Odisha, Jammu & Kashmir, Uttarakhand, Kerala, Telangana, Gujarat and Maharashtra. Similarly, consumption of NP/NPKs was positive in all major consuming states except Odisha, West Bengal, Himachal Pradesh, Jammu & Kashmir, Kerala, Gujarat and Maharashtra. In contrast, growth in consumption of DAP was negative in most of the states except Haryana, Himachal Pradesh, Karnataka, Tamil Nadu, Madhya Pradesh, Chhattisgarh and Rajasthan where consumption of DAP recorded positive growth during the period. Similarly, consumption of MOP marked negative growth in major consuming states except Assam and Jharkhand in east zone; Karnataka in south zone and Chhattisgarh and Rajasthan in west zone where consumption of MOP showed positive growth during the period.

2.0 POLICIES RELATED TO FERTIIZER SECTOR

2.1 Major Issues Faced by Fertilizer Industry

2.1.1 FAI continued to highlight major issues faced by Indian fertilizer industry before concerned government authorities for their redressal. These *inter-alia* included issues related to policies for urea industry and P&K industry as well as problems related to DBT payments and taxation. Views of the industry were put forward to the government through meetings, interactions, presentations and written representations. These interactions included PMO, NITI Aayog, Ministry of Finance, Department of Agriculture, Cooperation & Farmers Welfare, Department of Fertilizers, and Indian Council of Agricultural Research (ICAR). Important issues are mentioned in the following paragraphs:

2.2 Issues of Urea Sector

2.2.1 Indian urea industry continues to suffer during the year due to unfavourable policies. These *inter-alia* included non-payment of increased fixed cost as per notified Modified NPS-III policy, non-recognition and non-reimbursement of further increase in fixed cost beyond Modified NPS-III levels, unreasonable reduction in energy consumption norms under NUP-2015 in 2015 and 2018, unfavorable treatment of production beyond 100% of re-assessed capacity. There were inordinate delays in payment of subsidy under DBT. Payments



due to escalation in cost of natural gas were also not made by the end of financial year 2018-19. Payments due prior to implementation of DBT also remained to be settled. Thus, urea units not only faced liquidity problems but also incurred high interest cost on working capital. Thus, it is not surprising that 50% of urea units are incurring net losses and others are operating at wafer-thin margins. PAT (excluding provisions of Modified NPS-III policy) as percentage of net-worth for the entire industry is negative for all the years from 2014-15 to 2018-19, as can be seen from the **Table** given below. Even if the payments of increased fixed cost of urea as per Modified NPS-III policy are made, margins will still be wafer thin.

Table. PAT as % of Net-worth from Urea Business					
Particulars	2014-15	2015-16	2016-17	2017-18	2018-19
PAT as % of Net-worth – excluding provisions of Modified NPS-III	-4.43	-1.44	-0.73	-6.14	-5.43
Policy PAT as % of Net-worth – including provisions of Modified NPS-I Policy		3.51	4.23	-0.03	0.43
Based on the data received from 25 urea units					

2.2.2 The policy environment and the payment situation has become so acute that a typical urea plant of 1.3 million tonnes capacity per annum generates a negative cash flow of about Rs.57 crores per annum. Additional production beyond re-assessed capacity has also turned unviable due to non-implementation of minimum fixed cost as per Modified NPS-III Policy.

2.2.3 Due to continuous follow up, there was some progress in processing of payment as per Modified NPS-III Policy wherein NITI Aayog and Department of Fertilizers endorsed the proposal for pending payments. But, it could not be concluded due to general elections. Just before the elections, government constituted a Team of Ministers (ToM) on the subject but no meeting was held. It is expected that the new government will address this long pending issue on priority. There is also a need for policy reforms including implementation of Nutrient Based Subsidy (NBS) for urea industry. FAI continues to work with the government on all issues including fixed cost, energy consumption norms, subsidy payments and future urea policy.

2.3 Unreasonable Reduction in Energy Consumption Norms

2.3.1 FAI continued to argue for continuation of existing energy norms for a further period of 5 years to allow the industry to recover its investment in energy saving projects. FAI also suggested creation of technology upgradation fund to provide one-time capital subsidy, or soft loan for making investment in energy saving projects. However, the government continued to mop up the energy efficiency achieved by the most efficient plants and implemented energy consumption norms prescribed for 2018-19 for 11 efficient gas based urea units w.e.f. 1st April, 2018. For the remaining 14 gas based urea units, the norms for 2015 were retained till 31st March, 2020 with a penalty of 2% for the first year and 5% for the second year. FAI had represented that the industry should be allowed to recover the investment in energy saving projects.

2.3.2 The matter has now been referred to an Expert Group to give recommendations for Target Energy Norms to be achieved by urea units w.e.f. 1.4.2025 and energy consumption norms for units using coal for steam and power generation. The Expert Group is headed by Member, NITI Aayog. In all interactions with Expert Group, FAI has taken a view that the issue of energy consumption in urea plants cannot be deliberated in isolation. Policy for urea industry needs to be considered holistically and energy consumption norms can form a part of this policy reform. The exercise for revision in energy norms must assess the investment required for such energy improvements. Further, FAI has also communicated that any policy for reduction in energy norms for urea units should provide for recovery of the investment and be equitable to all urea units. The Department of Fertilizers held a meeting with industry representatives on the issue of energy consumption norms on 15th March 2019. It was decided to constitute a Committee within the Department with representatives of FAI and industry members. The FAI communicated the scope of the Committee and names of industry representatives to the DoF.

2.3.3 Department of Fertilizers had proposed setting up of a Committee to review energy consumption norms for urea units under the chairmanship of Additional Secretary (DoF), Department of Fertilizers had requested FAI to nominate representatives on the Committee from industry and give suggestions regarding terms of reference for the Committee. Accordingly, FAI sent the nomination as well as proposed terms of reference for the Committee to the Secretary (Fert.), vide letter dated 26th March, 2019.



3.0 POLICIES RELATED TO P&K FERTILIZERS

3.1 NBS Policy for 2018-19

3.1.1 The per kg NBS rates of fertilizer nutrients viz., N, P, K and S for 2018-19 as notified by the Department of Fertilizers vide O.M. dated 16th April, 2018 were Rs.18.901, Rs.15.216, Rs.11.124 and Rs.2.722, respectively. As a result, there was a reduction in the rate of subsidy for MOP from Rs.7437 per MT to Rs.6674 per MT compared to previous year. The NBS rate for DAP increased from Rs. 8937 to Rs. 10402 per MT compared to 2017-18. There was also increase in subsidy on other complex fertilizers.

3.2 NBS Policy for 2019-20

3.2.1 As per the decision of FAI Board in its meeting held on 5th December, 2017, a Board Committee for the P&K sector was constituted. In the meeting held on 17th April, 2018, the issues related to the P&K sector were discussed. Members of the Board Committee were of the opinion that Government should decide on the level of subsidy and the retail prices of P&K fertilizers should remain market - driven. The same was conveyed to the Secretary (Fert.) in the meeting held on 17th April, 2018.

3.2.2 The per kg NBS rates of fertilizer nutrients viz., N, P, K and S for 2019-20 as notified provisionally by the Department of Fertilizers vide O.M. dated 29th March, 2019 remained the same as of 2018-19. Subsequently, the subsidy rate for sulphur only has been increased from Rs.2.722 per kg S in 2018-19 to Rs.3.562 per kg S in 2019-20 vide O.M. dated 7th August, 2019 and made effective from date of this notification.

3.3 Other Issues Related to P&K Fertilizers

3.3.1 Industry representatives met the Secretary (Fert.) on 14th January, 2019 and discussed various concerns and challenges of the fertilizer sector. One of the points discussed in the meeting was related to the remaining quantities which had not been acknowledged in mFMS/ iFMS sold prior to DBT period. As a follow-up vide letter dated 18th January, 2019, Secretary (Fert.) was requested, to intervene and make the system open for one last time for the purpose of acknowledgement of remaining stocks of fertilizers by the wholesalers and retailers prior to DBT regime. At the request of the FAI and the industry, the system was opened up a few times by DoF for pending acknowledgment of the quantities by wholesalers/retailers. There are still some quantities which remain unacknowledged, the same is being pursued by the FAI for opening of the system for one last time.

3.4 Issues of SSP Industry

3.4.1 Deemed Certification of Quantity and Quality

3.4.1.1 Some of the State Governments had not

certified the quantity and quality of SSP. Also the policy of deemed certification in 30 days for quantity and 180 days for quality was not being adhered to while processing the claims of SSP units for subsidy payments. The SSP industry was facing hardship in arranging working capital due to non-payment of balance subsidy prior to DBT regime. The industry felt that the present low capacity utilization of 37 per cent could be enhanced, if the cash flow situation improved by timely payment of subsidy bills. FAI requested the Secretary (Fert.) vide its letter dated 3rd August, 2018 for her intervention in the matter of settlement of subsidy bills of SSP Industry.

3.4.2 Other Issues

3.4.2.1 Department of Fertilizers convened a meeting of some of the SSP manufacturers on 6th February, 2019 under the Chairmanship of the Secretary (Fert.) to discuss various issues namely separate budget for SSP industry, freight subsidy, reduction in GST on sulphuric acid from 18 per cent to 5 per cent, payment of unpaid dues under DBT, flexibility in procurement of rock phosphate, etc. As a follow up to the discussion in the meeting, Department of Fertilizers constituted a Committee under the Chairmanship of Joint Secretary (PS) with representation from DoF, FAI and SSP industry to consider and make recommendations on the following issues:

- i) The requirement of pre-analysis of Egyptian rock phosphate (ERP) for production of SSP.
- ii) The request of SSP industry to allow them freight subsidy at par with P&K industry.

3.4.2.2 DG, FAI vide letter dated 8th February, 2019 to Joint Secretary (PS) suggested the names of the committee members from the fertilizer industry. Two meetings of the Committee were held on 22nd March and 17th May, 2019. DG, FAI attended both the meetings. It was agreed that the present practice of quality check of ERP by the SSP companies on their own should continue. Further, FAI has been asked to explore the possibility of nominating/empanelling the accredited international agencies for quality checks at the loading and unloading ports. It was decided that the quality check of ERP both at loading as well as at unloading ports should be made more stringent/rigorous. As per the notification of the DoF, only quality rock phosphate has to be used for manufacture of SSP. FAI has suggested two names for the Committee to conduct technocommercial and environment study for production of good quality BRP by the four manufacturing units and name of the nodal person through which suppliers of ERP can be sensitized in Egypt for supply of quality rock to India. FAI also suggested four accredited international agencies for quality checks at loading/ unloading ports.



4.0 OTHER POLICY RELATED ISSUES

4.1 Freight

4.1.1 There have been many issues related to inordinate delay in disbursement of freight subsidy. FAI collected the information on issues related to freight and differential freight. On the basis of the information received from 14 companies, the total outstanding of freight payment worked out to about Rs. 1333 crore. DG, FAI addressed a letter to the Secretary (Fert.) on 25th February, 2019 requesting for payment of differential freight from 2008-09 onwards for which claims have already been submitted to FICC/DoF. Notifications are pending for primary and secondary road freight for 2017-18 and 2018-19 for urea, revision in the slab-wise primary road freight rates from 2013 onwards for P&K fertilizers in line with increase in railway freight, and revision in rates of special compensation for movement of P&K fertilizers in difficult areas from 2012 onwards on the basis of the study by Tariff Commission. Department of Fertilizers has exempted submission of lorry receipt (LR) copies along with freight claim under handling and marketing agreement for imported urea from 2012-13. However, from 2008-09 to 2011-12, lorry receipt copies are still to be required for such freight claims. FAI will continue to work with DoF to address the freight related issues.

4.2 Coastal Movement of Fertilizers

4.2.1 Government of India has been encouraging the coastal movement of domestic cargo to ease congestion on roads and reduce pollution. It would also reduce the load on limited infrastructure of railways. Government has also included coastal movement of fertilizers in freight policy with notional railway freight from the origin to the nearest rail head of destination. However, the movement of fertilizers through coastal ways has not yet picked up much because of number of reasons.

4.2.2 The Secretary (Fert.) met the industry representatives on 17th April, 2018. Amongst the other issues, the movement of fertilizers through coastal shipping was also discussed. FAI requested the Secretary (Fert.) vide letter dated 19^{th'} April, 2018 to take up the following issues with the Ministry of Shipping to make the coastal movement a viable proposition:

- (i) Extend the rebate up to 80% on all port services as is extended to car carriers.
- (ii) Eliminate the notional levy and wages in the name of port labour.
- (iii) Extend the facility of storage in port godowns for 15 days without any charges.

(iv) Liberalize the Cabotage Law to allow the foreign vessels to carry domestic cargo in empty hatches from one port to the other port.

4.2.3 An amendment vide General Order No. 03 of 2018 dated 22nd June, 2018 was issued by the Ministry of Shipping under which relaxation under section 407 of the Merchant Shipping Act, 1958 was given for coastal movement of fertilizers. Under the relaxation, a foreign flag vessel is not required to obtain a license from Director General of Shipping for engaging in coastal trade of India, for carriage of fertilizers by sea.

4.2.4 DG, FAI met the Secretary (Shipping) on 27th June, 2018 and explained to him the issues which the fertilizer industry has been facing in movement of fertilizers through coastal shipping. Subsequently, two letters were addressed to the Secretary, Ministry of Shipping. First letter dated 29th June, 2018 requested for doing away the notional booking of labour charges for coastal cargo as provided by the orders of the Ministry of Shipping/TAMP, extending the facility of storage in port godowns for 15 days excluding holidays without any charges and giving rebate of at least 60% for port dues in respect of coastal movement of fertilizers. Second letter dated 3rd July, 2018 was on seeking relaxation in movement of fertilizers under para 12.1 and 12.2 of order dated 22nd June, 2018 wherein the quantitative restriction of fertilizer should be at least 50 per cent of the total cargo.

4.2.5 The movement of fertilizers through coastal/ waterways can get fillip only, if the fertilizer freight policy is aligned with the coastal movement policy which makes it simpler for the companies to shift from rail-road to coastal-road movement of fertilizers. As desired by the DoF, FAI vide letter 27th September, 2018 furnished the information regarding company-wise tentative quantity and routes to be followed in the movement of fertilizers through coastal shipping. Request was made to simplify policy related to entitlement as well as procedure for claiming freight reimbursement.

4.2.6 The DoF vide O.M. dated 17th June, 2019 notified the policy for reimbursement of freight subsidy for movement of domestically produced fertilizers through coastal shipping/and inland waterways. Under the policy, the primary movement will refer to movement of subsidized fertilizers by rail and/or coastal shipping/inland water transportation including road bridging only in case of coastal shipping/inland waterways up to rake point in the destination district by any or two or by all three mode of transportation from plant or port to various rake points in the district. With this policy, the movement of subsidized fertilizers



from plants through coastal shipping/inland waterways may become feasible.

4.3 Movement of P&K Fertilizers during the Months of February and March

4.3.1 The regularization of specific quantities of P&K fertilizers for the months of February and March in different years had been the major issue of the industry as no monthly supply plan used to be issued for these months. The DoF issued OM dated 16th April, 2018 for the NBS rates for the year 2018-19. The OM also covered the issue of regularization of movement of imported P&K fertilizers for the months of February and March since 2012-13. The Government had *ex-post facto* approved the subsidy paid on specific quantity of P&K fertilizers received in the district during the months of February and March in different years since 2012-13 at the rates fixed for the next financial year which were lower than the rates approved by Cabinet/CCEA for that year.

4.3.2 The Government has authorized the DoF to release subsidy, if requested as per the rates fixed for the financial year or the next financial year whichever is lower on the specific category/quantity of P&K fertilizers received in the district during February and March months of the year in consultation with Department of Expenditure.

4.3.3 The above provision took care of quantities moved in the district for past years. For future, FAI requested the Department that there should not be any restriction on movement of imported P&K fertilizers from ports as the restriction on movement at any time of the year may affect the capacity of fertilizer companies in arranging supplies at optimum cost. For the first time after several years that the DoF had included imported P&K fertilizers in the monthly supply plan of February and March, 2019.

4.4 Availability of Rakes

4.4.1 DG along with some of the industry representatives met Secretary (Fert.) on 6th June, 2018 and discussed various concerns and challenges of the fertilizer sector. One of the points discussed in the meeting was related to the non-availability of sufficient rakes leading to the buildup of huge inventory beyond storage capacity at ports and plants. It was followed up with a letter dated 8th June, 2018 requesting the Secretary (Fert.) to kindly take up the matter with Chairman, Railway Board for timely availability of rakes. It was emphasized in another letter on 12th June, 2018 to the Secretary (Fert.) that Railways should make rakes available under priority 'C' accorded to the fertilizers.

4.4.2 Since there was no improvement in availability of rakes, DG, FAI met the Secretary (Fert.) on 3rd July, 2018 on the issue, FAI continued to pursue the matter with letters for next few months. It was highlighted that the availability of fertilizers may be affected in some parts of the country due to inadequate availability of rakes. The problem was acute on west coast ports.

4.4.3 Availability of rakes improved in later part of 2018-19.

4.5 Relaxation in Rail : Road Movement Coefficient of 80:20 for Fertilizers

4.5.1 The 80:20 rail:road coefficient was insisted upon way back in November 2010, as a fallout of the meeting among the Chairman Railway Board (CRB), the Secretary (Agriculture) and the Joint Secretary (A&M), Department of Fertilizers. Assurances of availability adequate number of rakes at plants and at ports were given in the meeting. CRB had also assured that they would keep overlapping rakes at all the plants to reduce the demurrage. Unfortunately, these assurances have not been kept.

4.5.2 At present, industry is facing serious problem of non-availability of sufficient rakes. Therefore, FAI represented vide letters dated 19th April and 24th August, 2018 and 3rd January, 2019 to the Secretary (Fert.) requesting removal of restriction on movement of fertilizers by road under 80:20 formula.

4.5.3 Since the freight policy for third mode of movement of domestically produced fertilizers through coastal sipping/inland waterways is in place, this provides an option as a substitute to rail.

4.6 Monthly Movement Supply Plan

4.6.1 The fertilizer companies are allowed to move only up to 10 per cent in excess of the monthly movement supply plan. At times, supply of fertilizers to some destinations exceeds the allocated quantity by more than 10 per cent. To alleviate the problem, FAI urged the government to dispense with monthly movement supply plan or raise the limit to 25 per cent in excess of monthly plan quantity. FAI will continue to work with DoF to address this issue of monthly supply plan.

4.7 Digitalization of Subsidy Payment System

4.7.1 Department of Fertilizers created a platform for generation and submission of DBT claims in digital mode. The digital claims were instantly submitted by the fertilizer companies for processing by the Department, based on Aadhaar-based OTP verification of the authorized signatory and the



auditor. However, some of the claims *viz.* monthly onaccount claims (zero amount claims for quantity certification), monthly freight claims, balance claims up to February, 2018 and differential freight claims are still continuing to be submitted in the physical form. Vide letter dated 8th January, 2019, FAI requested the Secretary (Fert.) to take the digitalization further and dispense with altogether the submission of claims in physical form. The industry has got some relief with the notification of Pan India implementation of electronic transmission of Railway Receipt (eT-RR) by Ministry of Railways on 9th July, 2019. FAI will continue to pursue the matter of complete digitalization of subsidy payment system with the DoF.

5.0 DBT IN FERTILIZER SECTOR

5.1FAI has been regularly bringing to the notice of the Department of Fertilizers various problems faced by the fertilizer companies in implementation of DBT. The matter was deliberated at length in the Board Meeting of FAI held on 2nd April, 2018. The Board expressed that it was a herculean task to generate bills in the DBT system. To discuss the matter further, a meeting of the Committee of the Board of FAI on DBT and its working Group constituted by the Board in 2016 was held on 17th April, 2018. Based on the discussions in the meeting, a comprehensive letter dated 2nd May, 2018 was written to the Secretary (Fert.) enumerating the issues. The letter enlisted numerous glitches in the software, non-updation of stock in real time, sale of fertilizers by the retailers without POS machines, mismatch of physical stock vs iFMS stock, poor internet connectivity in rural areas, non-authentication of Aadhaar number of the farmers, poor maintenance of POS machines and redundance of proforma B_1 for certification of sale quantity by State Governments and the auditors. It was pointed out that there were long delays in the payment of subsidy bills and industry was not allowed to raise fresh bills for large amounts due to systemic problems. The requirement of working capital has also increased. The borrowing from the banks becomes very difficult in view of RBI circular dated 12th February, 2018 which has put stringent conditions for lending and delay in repayment of loans. FAI put forth the following request to the Department of Fertilizers:

- (i) Payment of dues in one week after sale of fertilizers through POS machines to farmers as mandated by the scheme.
- (ii) Supplementation of the manpower to resolve the system problems and carrying out necessary policy changes. It requires engagement of outside agency.

- (iii) Amendment in FCO for making it mandatory for retailers to make sales only through POS machines.
- (iv) Exemption of fertilizer companies from the provisions of the RBI circular dated 12th February, 2018.

5.2 Further, FAI wrote another letter on 30th May, 2018 to the Secretary (Fert.) highlighting the large number of operational problems and long-time taken by the Department of Fertilizers /FICC in processing the bills. It was expressed that the system required a revamp and engagement of more trained manpower would make it robust and efficient.

5.3 The Secretary (Fert.) convened a meeting of the industry members on 6th June, 2018 to discuss the concerns and challenges of fertilizer industry. DG, FAI apprised the Secretary about the problems being faced by the industry due to delay in payment of subsidy under DBT.

5.4 As the industry continued to face problems in generation and processing of subsidy bills due to glitches in the IT infrastructure at various levels, FAI again wrote a letter to the Secretary (Fert.) on 6th August, 2018 to involve the software companies like Tata Consultancy Services Limited, Infosys Limited, HCL, Tech Mahindra Limited, etc., to provide a robust infrastructure for smooth operation of DBT system.

5.5 FAI continued to represent to the DoF on DBT issues and wrote a letter on 18th October, 2018 to the Secretary (Fert.) and raised the issues *inter-alia*, speedy redressal of software issue by NIC, review of architecture and robustness of IT infrastructure and making sale of fertilizers mandatory under FCO through POS machines. It was pointed out that allocation of additional budget for fertilizer subsidy was necessary to make payment as envisaged in DBT scheme.

5.6 According to data gathered from iFMS as on 26th December, 2018, urea stocks in pipeline and retailers were reported to be 4.97 million MT and more than 2.4 million MT, respectively. There was a similar situation for other products. This indicated that the substantial quantities of fertilizers were sold without POS machines. It also indicated that Departments of Agriculture in states were not verifying the stocks in the system with physical stocks at retailer level. FAI wrote a letter on 3rd January, 2019 to the Secretary (Fert.) requesting that a survey may be conducted by the Department to assess the ground level situation in different states. There was need to address the issue of anomaly in physical and system stocks.



5.7 The FAI Board in its meeting held on 5th December, 2018, decided to form a Group of Board members to deliberate on the issues related to DBT and also organize a one-day Workshop on DBT with involvement of CII and FICCI.

5.8 A meeting of the Group of Board members was held on 7th February, 2019. The Group expressed that non-payment of subsidy within one week after generation of bills under DBT is a breach of the DBT policy. DG, FAI brought to the notice of the members the assurance by the DoF to clear all past dues before launch of the DBT scheme which has also not been fulfilled. One of the main reasons for non-payment of the bills in time is the inadequate budget and sub-limits in disbursal of the budgeted amounts. These issues were brought to the notice of Secretary (Fert.) vide letter dated 19th February, 2019.

5.9 With continued interaction and feedback of the FAI and industry, the system has improved considerably. However, problems still persist. At the initiative of the DoF, Department of Agriculture, Cooperation and Farmers Welfare has commissioned a study on functioning of DBT at retail points and Institute of Social and Economic Change has been assigned the study. The difference between POS generated stocks and the physical stocks will be compared and analyzed under the study. Thirteen states will be covered under the study.

5.10 Further, DoF has launched DBT 2.0 initiatives on 10th July, 2019. This is an advanced multi-lingual desktop version of Point of Sale (POS) software as an alternative or added facility of POS devices. Retailers with computer can use this for sale of fertilizers. The dashboard (https://urvarak.nic.in) shows the details of fertilizers at national, state and district level. The new POS 3.0 software version provides multi-lingual facility, Aadhar Virtual ID option and fertilizer recommendation based on soil health card.

5.11 Amendment in FCO for Implementation of DBT for Fertilizers

5.11.1 FAI has been taking up the issue with Department of Agriculture, Cooperation & Farmers Welfare (DAC&FW) of making the sales of fertilizers through POS machines by the retailers mandatory under FCO, 1985.

5.11.2 DAC&FW has been of view that sale through POS machines cannot be made mandatory because working of POS machines has not stabilized yet and there might be network issues or incidences of POS machines going out of order.

5.11.3 The DoF had issued an administrative order to the effect that sale of fertilizers should take place only

through POS machines. FAI continues to pursue the issue with DAC&FW for making the sale of fertilizers through POS machine mandatory in line with administrative order of the DoF.

6.0 FAI COURT CASES

6.1 Writ Petition on Fertilizer Bonds (WPC- 1861/2013)

6.1.1 FAI had filed a writ petition for compensation of losses suffered by fertilizer companies on sale of bonds issued during 2007-08 and 2008-09 and also buyback of remaining bonds lying with fertilizer companies.

6.1.2 The written pleadings in this case have been completed. The court order dated 20th February 2018 stated that the Department of Expenditure, which is to reimburse the losses suffered by the fertilizer companies, will take appropriate steps with regard to reimbursement of losses, at least, as per the quantum arrived at by RBI.

6.1.3 The respondent submitted additional affidavit on 19th March, 2018 justifying the government's decision of compensating only 50% losses. However, the court in its order dated 19th March, 2018 observed that there is nothing on record which would suggest that the petitioners had accepted stand of the respondent that they would restrict their claim to 50% of the loss incurred upon buyback of bonds. FAI counsel further argued that the decision to compensate 50% of the loss incurred on buyback of bonds was an interim measure. The final decision, if any, of the government to compensate only 50% of the loss has not been communicated to the petitioners.

6.1.4 Subsequently, respondent DoF issued a letter no. 12012/39/4008-FPT/MPR dated 12th April, 2019 addressed to Chief Executives of concerned fertilizer companies conveying their decision that the remaining 50% of the total loss on account of buyback of bonds shall be borne by the fertilizer companies. DoF also decided that no further intervention is necessary in respect of losses incurred on account of sale or buyback of fertilizer bonds as well as in respect of the unsold bonds with the fertilizer companies.

6.1.5 In response to the above decision of the DoF, FAI counsel filed an application on 3rd May, 2019 seeking ad-interim stay on the Ex-party letter dated 12th April, 2019 issued by the DoF and also requesting to adjudicate the writ petition on its own merit and to quash the letter dated 12th April, 2019.

6.1.6 The application by FAI counsel was admitted and the same came up for hearing on 6th May, 2019 wherein notice was served on the respondent. The Hon'ble Court order stated that the reply by the respondent be filed within a period of 3 weeks and rejoinder, if any be filed



within 2 weeks thereafter. The case has now been listed for 7th November, 2019.

6.2 Writ Petition on Interest on Delayed Payment of Subsidy and Freight Bills (WPC-1800/2015)

6.2.1 FAI had filed a writ petition in Delhi High Court in July, 2013 for payment of interest on delayed payment of subsidy. The Hon'ble High Court in its order dated 27th August, 2014 directed DoF to decide the matter within a period of 4 weeks. However, DoF passed an Order No. 21011/4/2013-MPR dated 9th December, 2014 declining any relief to the industry. Hence, second writ petition was filed in Delhi High Court in February, 2015. The written pleadings in this case have been completed. During the hearing on 5th March, 2018, the court desired to know the amount and period for which the interest is due to the petitioner companies. The desired information was collected from the member companies by FAI and the same was submitted to the Hon'ble Court on 25th April, 2018. Since then, hearing has been adjourned a number of times and was listed on 2nd August, 2019. During the hearing on 2nd August, 2019, Sr. FAI Counsel, Mr. Arvind Nigam submitted to Hon'ble Court that even though the Petitioners had filed the chart pursuant to the Court Order dated 5th March, 2018 indicating therein the dues by respondents on account of outstanding subsidy and interest, there has been no response to the same by the respondent. Respondent's counsel sought two weeks' time to file an affidavit in this regard which was allowed by the court. The case is now listed for 8th November, 2019.

6.3 Writ Petition for Recovery of ACTN Prior to 1st April, 2011 (WPC- 1822/2016)

6.3.1 FAI had filed a Writ Petition in Hon'ble Delhi High Court on 27th March, 2015. The case was disposed of by Hon'ble Court with a direction to the government to dispose of the representation by FAI dated 13th February, 2015 within a period of two months from the date of Court Order i.e. 8th April, 2015. However, the matter was not decided despite repeated orders and directions by the Hon'ble High Court of Delhi to the DoF and concerned State Governments. The Court took strong view for the inaction of the government and passed an Order for finally deciding the matter by 7th January, 2016. DoF passed an order dated 20th November, 2015 wherein the payment for the past period was declined.

6.3.2 Hence, a new Writ Petition [W.P. (C) 1822/2016] was filed wherein the DoF's order dated 20th November, 2015 has been challenged. Since, then the case has been progressing slowly. In the hearing on 29th January, 2019, FAI senior counsel argued that the decision of the respondent to not reimburse the additional taxes is, per se, discriminatory, as similar tax (purchase tax) levied on natural gas was reimbursed to one of the fertilizer companies. He further stated that this was one of the grounds urged by the petitioner before the

concerned authority. However, the same has not been dealt with. The counsel for the respondent sought time to file an affidavit in this regard. The court allowed 3 weeks' time for filing the affidavit by the respondent. The case was listed for 8th March, 2019 but could not be taken up. The case was then listed for 25th April, 2019. However, on 25th April, 2019 the counsel for respondent sought further time to file the affidavit. The respondent was allowed one-week time for the same. The case was listed on 2nd August, 2019. During hearing on 2nd August, 2019, the arguments were partly heard. Both parties were asked to file written synopsis of their arguments not exceeding two pages each along with authorities relied upon by them before the next date of hearing which is now scheduled for 17th September, 2019.

6.4 Writ Petition of Independent Power Producers Association in A.P. High Court

6.4.1 Independent Gas Based Power Producers' Association of Andhra Pradesh had filed a SLP in Supreme Court challenging the order of High Court of Andhra Pradesh. The Association had challenged the policy of allocation of domestic gas by the Union of India. FAI was one of the respondents in the High Court and also remains a respondent in Supreme Court along with the Union of India and others. FAI continues to defend in Supreme Court priority of fertilizer sector in allocation of domestic gas. SLP of Power Producers Association has been combined with SLP of Federation of Farmers Association and others in the same matter. The matter was heard on 10th January, 2017. The Government of India was directed to file the affidavit on power and gas availability within two weeks and directed the Appellant to file rejoinder a week thereafter. The matter was last listed on 2nd May, 2018. There has been no further progress of the case. FAI's advocate always attends the court on the listed dates.

6.5 Case Relating to Marketing Margin (W.P. (C) No.3050/2012), (LPA 371/2016)

6.5.1 Pursuant to the order of 12th November, 2014 of Hon'ble Delhi High Court in FAI Writ Petition for payment of marketing margin on gas from KG-D6 and subsequent contempt petition, the Government notified a marketing margin of Rs.200/MSCM w.e.f. 18th November, 2015 for supply of gas from all domestic sources. FAI then pressed for payment for past period. Hon'ble Court passed an order on 16th December, 2015 for payment to be made by 15th April, 2016. However, UOI filed an SLP in Supreme Court against the High Court Order which was dismissed. Government then filed LPA in the division bench of Delhi High Court on 19th May, 2016. On the direction of court, FAI filed an affidavit on 8th August, 2016. The matter was taken up on 5th October, 2016. UOI served the rejoinder during the hearing on 8th March, 2017 in response to FAI's affidavit objecting to the admission of LPA. Matter was



listed several times and heard between April 2017 and September 2018.

6.5.2 After several adjournments at the request of GoI, the Division Bench of Hon'ble High Court finally refused to condone the delay in hearing on 27th September, 2018 and dismissed the LPA. FAI had filed a caveat in Supreme Court in case the order dated 27th September, 2018 of Hon'ble Delhi High Court was challenged in the Supreme Court. GoI filed an LPA in Hon'ble Supreme Court which had also been dismissed on 22nd February, 2019. Our original petition WP(C)No. 3050/2012 was listed on 19th March, 2019 ASG took the position that Court order has already been complied which was not accepted by the Court. ASG requested for time to take instructions as to whether orders dated 12th November, 2012 and 16th December, 2015 have been complied with in its letter and spirit. In the hearing on 28th and again on 29th March, 2019, DoF offered to pay from the date of court order dated 12th November, 2014. This was not accepted by FAI Counsel. On the direction of the court, FAI and GoI filed affidavits stating their respective positions. The Hon'ble High Court of Delhi vide order dated 23rd April, 2019 disposed of FAI application for payment for past period with liberty to challenge the Gol circular dated 24th November, 2015 for payment of Marketing Margin prospectively. The matter was discussed in the FAI Board in its 392nd Meeting held on the 7th May, 2019. It was decided by the FAI Board to file a fresh writ-petition for re-imbursement of Marketing Margin on supply of gas from KG-D6 for period prior to November 2015. Accordingly, FAI filed fresh Writ Petition No. W.P (C) No. 6068 of 2019 on 28th May, 2019 on behalf of member companies. The matter could not be taken up on 15th July 2019 and listed on 3rd September 2019.

6.6 Writ Petition of Essar Steel for Change in Priority in Allocation of Gas

6.6.1 As informed in earlier Annual Reports, M/s Essar Steel had filed a SLP in Supreme Court challenging the order of Delhi High Court in the petition challenging the policy of the Union of India in allocation of gas from KG-D6. Similar appeal had also been filed by the Welspun Maxsteel against a similar order of Bombay High Court. FAI remains respondent in both the petitions in Supreme Court. The Essar Steel pleaded in its submission that there should be universal pooling of gas for all sectors. FAI filed an affidavit on 19th August, 2015 defending the policy of UOI of providing the first priority to fertilizer sector in allocation of domestic gas. The matter was heard on 6th September, 2016 in part. The court desired to know whether the EGOM decisions on fixing priority of the sectors taken in 2009 were any time changed by the Ministry. The Hon'ble court also desired to know the proceedings of case of Arbitration between RIL & Union of India and asked the Solicitor

General to appear in the next hearing on 15th September, 2016. The matter could not be heard on 15th September, 2016 and it was relisted for hearing on 27th September, 2016. On that date, GoI Counsel submitted that decisions taken by EGOM in its meeting on 27th October, 2009 had not been revoked. Further, the Counsel of GoI submitted that there is no necessity of that revocation. The court directed GoI to place the aforesaid decision on record by means of an affidavit by competent authority of GoI. There was no further listing of the matter. FAI's advocate on record always attends the court whenever matter is listed.

7.0 BUDGET ALLOCATION AND PAYMENT RELATED ISSUES

7.1 Carry Forward of Outstanding Subsidy Dues

7.1.1 Timely payment of subsidy by the government is very important for fertilizer industry because subsidy constitutes 79%, 28% and 27% of cost of urea, DAP and MOP, respectively, excluding GST. For other fertilizers also, subsidy constitutes about 30% of the cost. Delay in payment of subsidy results in increase in working capital requirement and the interest cost on such increased working capital. Such interests are not recognized and reimbursed by the government under pricing and subsidy policy. Hence, undue delay in payment of subsidy impacts the cash flow and viability of the operations. In spite of efforts of the industry, payment situation has not improved. This is primarily due to inadequate budget provisions and also partly due to procedural matters. Experience of the past few years has been that about Rs. 40,000 crores of unpaid subsidy dues of one year are carried forward to the next year, as can be seen from the **Table** given below.

Table. Unpaid Subsidy Dues Carried Forward to Next Year			
Year	Amount (Rs. Crore)		
2015-16	43,355.95#		
2016-17	39,057.11*		
2017-18	32,053.21*		
2018-19	39,053.21 [@]		
# = Source DoF			
*= Estimated at EAI based on data of 23 fertilizer companies			

*= Estimated at FAI based on data of 23 fertilizer companies * = Estimated at FAI based on data of 28 fertilizer companies

7.1.2 With implementation of DBT scheme for fertilizer sector all over the country from March 2018, subsidy payment is supposed to be made on weekly basis. But, the same has not happened due to budget constraints. The government had assured to clear all previous dues before implementation of present model of DBT to facilitate smooth functioning of DBT system. However, this assurance was also not fulfilled, again due to budget constraints. Thus, the current outstanding dues comprise both the dues under DBT and also the pending



dues of period prior to implementation of DBT. Further, there is significant amount of dues pending for which bills could not be generated by the fertilizer companies due to procedural delays like delay in notification of revised subsidy and freight rates, delay in updating the computerized system (iFMS) for bills generation and other decisions pending on the part of the government. The following **Table** brings out outstanding dues as on 1st April, 2019 under different categories, as stated above.

Table. Unpaid Subsidy Dues (Rs. Crore) of 2018-19as on 1st April, 2019			
	Particulars	Amount	
(A)	Under DBT System		
i.	Bill generated but not paid	16243.09	
ii.	Bill could not be generated	3781.78	
	Sub Total	20024.87	
(B)	B) Other than DBT including previous years*		
i.	Bill generated but not paid	7662.16	
ii.	Bill could not be generated*	11366.18	
	Sub Total	19028.34	
(C)	DBT + Non DBT		
i.	Bill generated but not paid	23905.25	
ii.	Bill could not be generated*	15147.96	
	Total (A+B)*	39053.21	
Note: Based on data received from 28 fertilizer companies.			
*= including Rs. 87.48 crore dues on account of Modified			
NPS-III for GSFC for which break up is not available.			

7.2 Fertilizer Industry – Pre-budget Memorandum

7.2.1 FAI submitted Pre-Budget Memorandum of fertilizer industry for Union Budget 2019-20 (Interim budget) on 28th December, 2018 to the Ministry of Finance and Department of Fertilizers. The Memorandum submitted to the Finance Ministry had requested the following:

- (i) Allocation of additional funds of at least Rs. 30,000 crore for the year 2018-19 to clear the pending backlog.
- (ii) Adequate allocation for the year 2019-20 considering realistic assessment of requirement based on notified policy and also the backlog of previous years.
- 7.2.2 The Memorandum to the DoF inter-alia requested the following:
- (i) Expediting the weekly payment against bills already submitted under DBT,
- (ii) Expediting payment of pending subsidy dues other than DBT including previous year's dues and escalation claims for urea,
- (iii) Additional allocation of Rs. 30,000 crore for the year 2018-19,
- (iv) Special Banking Arrangement to tide over the shortage of funds even after supplementary grants, and

(v) Adequate allocation of funds for the year 2019-20 based on the realistic assessment.

7.2.3 However, the budget allocation for 2019-20 was increased only marginally to Rs. 74,996 crore in the interim budget. In view of the ensuing final Union Budget 2019-20 after the Lok Sabha Election 2019, FAI again sent a representation in May, 2019 to the Finance Ministry requesting for allocation of additional Rs. 50,000 crore for fertilizer subsidy for the year 2019-20 considering the realistic assessment, likely increase in subsidy requirement for urea on account of rise in gas price and production from a new plant, and the pending backlog of the previous years.

7.3 Budget Allocation

7.3.1 **Table** given below shows budget allocation for fertilizer subsidy for 2017-18, 2018-19 and 2019-20 under various heads:

Particulars	dget Documents (Rs. Crore) rticulars 2017-18 2		2018-19	
		BE	RE	BE
(A) Urea Subsidy	44223.31	45000.00	44995.35	53629.00
Payment for	31973.70	34989.50	34989.50	43050.00
indigenous urea				
Payment for urea	5000.00	-	-	-
freight subsidy				
Payment for	7223.31	10000.00	9995.35	10569.00
imported urea				
(net of recovery)				
Direct benefit	26.30	10.50	10.50	10.00
transfer in fertilize	r			
subsidy				
(B) Nutrient Based	22244.26	25090.35	25090.35	26367.00
Subsidy (B)				
Payment for	14337.00	15820.35	15820.35	15906.00
indigenous				
P&K fertilizers				
Payment for	7900.00	9260.00	9260.00	10429.00
imported P&K				
fertilizers				
(C) Payment for	7.26	10.00	10.00	32.00
City Compost				
(D) Grand Total	66467.57	70090.35	70085.70	79996.00
(A+B+C)				

7.3.2 **The Year 2018-19:** The financial year 2018-19 started with an estimated unpaid subsidy bills of more than Rs. 32,000 crore carried forward from the previous year (2017-18). Budget allocation for 2018-19 was Rs. 70,090.35 crore. This amount was reduced to Rs. 70,085.70 crore in the Revised Estimate (RE). This reduction of Rs. 4.65 crore was on account of payment



of subsidy for imported urea. After adjusting for the backlog of previous year, the amount left over for the year 2018-19 was only about Rs. 38,000 crore. This was grossly inadequate to meet the requirement for the year. Accordingly, the year 2018-19 also ended with an unpaid subsidy dues of more than Rs.39,000 crore. This is in spite of Special Banking Arrangement (SBA) of Rs. 10,000 crore, which has now been repaid from the budget allocation for 2019-20.

7.3.3 The year 2019-20: As can be seen from the Table, allocation for 2019-20 provided in the Union Budget is Rs. 79,996 crore. There is first claim of bank loan of Rs. 10,000 crore of previous year under SBA. Further, there are arrears of 2018-19 of Rs. 39,000 crores as stated above. The amount left for the current year, after deducting previous year's dues and repayment of SBA, is only about Rs. 31,000 crore. Subsidy on domestic urea is also estimated to be higher for the year 2019-20 at about Rs. 58,000 crore due to higher cost of natural gas and additional production from new plants. Therefore, allocation of Rs. 43,050 crore is inadequate even for the year itself. The total requirement of funds for 2019-20 including previous year's backlog and SBA is estimated to be Rs. 138,000 crore. After deducting funds from the budget allocation of Rs. 79,996 crore, the likely shortfall is more than Rs. 58000 crore. FAI in its representations to the DoF and Ministry of Finance has requested for additional allocation of Rs. 50,000 crore for 2019-20 to clear pending past dues and keep the payment up to date during the current year.

8.0 GOODS & SERVICES TAX (GST)

8.1 FAI continued to pursue with GST Council, Ministry of Finance and Department of Fertilizers for addressing the GST related issues of the fertilizer sector. These issues *inter-alia* included the following:

- (i) Reduction in rate of GST on fertilizer grade phosphoric acid to 5%,
- (ii) Classification of imported fertilizers used in manufacture of other fertilizers in the category of GST rate of 5%,
- (iii) Refund of unutilized input tax credit (ITC) in respect of both input and input services under the inverted duty structure,
- (iv) Refund of unutilized ITC arising due to exemption of fertilizer subsidy from levy of GST, and
- (v) Reduction in applicable rate of GST for movement of fertilizer through multi-model transport to 5% to bring in parity between freight cost of fertilizers by rail and multi-model transport.

8.2 As a result of persistent follow up by FAI at various levels in the government, a separate category of fertilizer grade phosphoric acid was carved out in

the GST Tariff structure and the rate of GST on fertilizer grade phosphoric acid was first reduced from 18% to 12% in January, 2018. However, GST rate of even 12% was resulting in large amount of unutilized input tax credit. Hence, FAI continued the efforts for further reduction to 5%. The rate of GST on fertilizer grade phosphoric acid was finally reduced to 5% in July 2018. This provided great relief to the phosphatic fertilizer units.

8.3 The issue of GST on fertilizers supplied for use in the manufacture of other fertilizers was also addressed by Circular no. 54/28/2018-GST dated 9th August, 2018 issued by the Department of Revenue. This Circular clarified that fertilizer supplied for direct use as fertilizers, or supplied for use in the manufacturer of other complex fertilizers for agricultural use (soil or crop fertilizers), will attract 5% GST.

9.0 ISSUES RELATED TO SUPPLY OF NATURAL GAS

9.1 Allocation of Natural Gas

9.1.1 EGOM in its meeting of 23rd August 2013 had allocated 31.5 MMSCMD domestic natural gas to fertilizer sector. Since then, there has been continuous reduction in supply of domestic natural gas to fertilizer sector. The share of domestic gas has reduced from 75% in 2013 to less than 40% during 2018-19. FAI continued to represent to the DoF for additional allocation of domestic natural gas which can save subsidy substantially.

9.1.2 FAI has been taking up the issue of allocation of natural gas to NPK sector (three fertilizer units in the country) regularly with DoF. It is understood that the matter was discussed by DoF in meetings of Inter-Ministerial committee (IMCs). However, there has been no progress in the matter. Three units namely RCF, GSFC and DFPCL are still awaiting for allocation of gas from gas pool. FAI in its letter dated 12th June, 2018 to the Secretary (Fert.) reiterated to expedite allocation of gas to 3 NP/NPK fertilizer plants from gas pool.

9.1.3 Department of Fertilizers vide its letter dated 12th June, 2018 had sought comments of FAI on a proposal to rationalize the allocation of domestic natural gas to urea manufacturing units proportionate to their reassessed capacity (RAC). The proposal along with the Annexure indicating the proposed reallocation was sent to the concerned urea companies for comments. The matter was discussed in the meeting of urea CEOs on 28th June, 2018. There were diverse views of the members about the proposal. FAI in its letter dated 6th August, 2018 informed the DoF that due to



lack of consensus amongst FAI members, FAI had no comments to offer on the issue.

9.2 Increase in Tariff for Natural Gas Pipelines

9.2.1 The Petroleum and Natural Gas Regulatory Board (PNGRB), had issued a public consultation document dated 18th October, 2018 on its website for proposed increase in tariff of its HVJ and HVJ upgradation pipelines. The document was circulated to members for comments. The increase of tariff proposed by GAIL was very steep. For HVJ pipeline, the proposed tariff increase was from Rs. 25.46 per MMBTU to Rs. 175.20 per MMBTU and for DVPL GREP Upgradation from Rs. 53.65 per MMBTU to Rs 88.09 per MMBTU. FAI wrote to the PNGRB on 1st November, 2018 stating that increase in tariff would affect the working capital of the fertilizer companies, increase the subsidy outgo of the Government of India and increase the prices of decontrolled P&K fertilizers. FAI requested the PNGRB to invite comments from the Department of Expenditure, Department of Fertilizers and Department of Agriculture, Cooperation and Farmers Welfare. FAI also wrote a letter to the DoF with a request to take up the matter suitably with the PNGRB. FAI requested members to provide the information on financial impact of the proposed increase in tariff. Based on the comments received, FAI sent a letter to the Secretary (Fert.) alongwith a copy of the comments sent to the PNGRB. DoF was also requested to take up the issue with PNGRB to minimize the impact of tariff increase on fertilizer industry and not to implement tariff increase retrospectively.

10.0 ISSUES RELATED TO TECHNOLOGY AND ENERGY USE IN FERTILIZER SECTOR

10.1 Energy Conservation Guidelines

10.1.1 The Bureau of Energy Efficiency (BEE) has been mandated by the Ministry of Power to develop generic energy conservation (EC) guidelines for designated consumers in industry sector to enable individual industrial units to prepare their Energy Management Manual and put it in practice to improve performance. BEE organized a consultative meeting and two workshops with Industry Associations and other stakeholders. FAI emphasized that such guidelines would have limited relevance to the fertilizer industry and should remain strictly voluntary. FAI after consultation with members sent a detailed 27th March 2018 representation to BEE on highlighting that the components of the guidelines are already in practice in the fertilizer industry. Hence, these guidelines should not be made applicable to fertilizer industry. In response, BEE vide its letter dated

24th April, 2018 clarified that guidelines are not mandatory as of now and it is purely voluntary for an industrial unit to follow the prepared guidelines. Subsequently, a meeting was held in BEE office on 6th July 2018. It was informed that one plant in each sector had been identified for implementation of the guidelines. In September 2018, the BEE released the final document of the guidelines.

10.2 Energy Service Companies (ESCOs) Market

10.2.1 The Bureau of Energy Efficiency organized a meeting on 11th May, 2018 with various industries and Energy Service Companies (ESCOs) to identify problems in development of ESCO market in India and formulating a policy to address them. The meeting was chaired by Director General, BEE. Joint Director, NITI Aayog was also present. Director, BEE made a presentation on ESCOs in India and compared it with Chinese experience. The DDG, FAI participated in the meeting. He highlighted that the huge investment would be required in the fertilizer sector for further reduction in energy consumption. Present ESCOs are small and can only participate in small projects.

10.3 Energy Conservation and PAT Scheme in Fertilizer Industry

10.3.1 Roadmap for Sustainable and Holistic Approach for National Energy Efficiency (ROSHANEE)

10.3.1.1 The Bureau of Energy Efficiency organized a stakeholder consultation meeting on 7th August, 2018 to discuss the Roadmap for Energy Efficiency for the Nation. The ROSHANEE is rechristened version of The National Mission Enhanced for Energy Efficiency (NMEEE). Perform Achieve and Trade (PAT) scheme may be made part of this new scheme. This scheme involves all sectors, *viz.*, industry, agriculture, transport, building, utility and appliances.

10.3.1.2 The objective of the meeting was to identify the barriers of existing scheme and suggest measures to incentivize energy efficiency in a sustainable manner. FAI participated in the meeting and provided its inputs. It was highlighted that the fertilizer sector could exceed the energy saving target for PAT Cycle 1 due to change of feedstock in 4 fuel oil based plants and major revamps in another 6 plants. Industry invested more than Rs. 9500 crore in feedstock change and revamp projects during the period. Further energy savings would require huge capital investment with longer payback periods. The present urea pricing policy does not allow generation of surplus funds for such large investment. A number of fertilizer plants will not be able to achieve energy saving targets of PAT Cycle 2.



10.3.1.3 The Group discussed the comments from other industrial sectors and financial institutions. Some of the suggestions discussed were reducing threshold to include more plants under preview of PAT, soft loans and tax incentives for energy saving projects, identifying technologies, creating a pool of experts to advise on energy efficiency, better trading mechanism for Energy Saving Certificates, etc. Subsequently, FAI sent a representation to the BEE on 17th August, 2018 underlining the technical and financial constraints in further improving the energy efficiency by fertilizer industry.

10.3.2 Perform Achieve and Trade (PAT) Scheme

10.3.2.1 Fertilizer sector is one of the eight sectors identified for energy saving under PAT Scheme of BEE, the Ministry of Power. In the first cycle of PAT, 29 DCs were identified and given energy saving targets to be achieved in three years. The assessment year for the PAT Cycle 1 was 2014-15. In PAT Cycle 1, fertilizer sector achieved 0.78 million tonnes of oil equivalent (mTOE) against the target of 0.477 mTOE. Subsequently, new targets were notified by BEE for the 29 DCs for the PAT Cycle 2. In the PAT Cycle 2, eight new DCs were also added and given energy saving targets. Out of eight DCs, two DCs are the urea plants which were under shutdown during PAT Cycle 1 and 6 DCs are the complex fertilizer plants. The target for fertilizer sector in PAT cycle 2 is to save 0.446 mTOE. The year 2018-19 is the assessment year for the designated consumers (DCs) in PAT Cycle 2.

10.3.2.2 Under PAT Scheme, normalization is allowed for the events which are beyond control of the plant management. The normalization factors for the ammonia and urea plants were identified and have been notified by BEE. Since the complex fertilizer plants were added in PAT Cycle 2, normalization factors are not yet finalized. BEE constituted a sub-committee to work out the normalization factors for complex fertilizer plants. The sub-committee is comprised of subject expert, BEE officials, 4 members from the concerned DCs, and one member from FAI.

10.3.2.3 Five meetings of the sub-committee were held till March 2019. The normalization factors were also discussed in FAI Technical Advisory Committee Meeting held in January 2019. The sub-committee identified parameters that have bearing on energy consumption such as product mix, capacity utilization, level of sulphuric acid production, change in concentration of phosphoric acid, change in source of power and steam, etc. The calculation methodology and quantum of energy loss due to each factor were determined by BEE after receiving inputs from the members. The normalizations were to be approved by the Sectoral Expert Committee of BEE.

10.4 Indian National Strategy for Standards

10.4.1 The Department of Fertilizers forwarded a document on "Indian National Strategy for Standards" for comments. The document addresses three areas of standard development viz., Standardization, Conformity Assessment and Technical Regulations. In its reply to Secretary (Fert.) on 26th March, 2018, FAI mentioned that the fertilizers fall under Essential Commodities Act and product standards are already developed under FCO and mechanism for conformity is in place. However, there is a need to include normalization in product standards due to minor deviations. Finally, the analysis of products should be quick and reliable. There is a need to enhance the capability of quality control laboratories in terms of facilities and manpower at Central and State levels.

10.5 Formation of a Society for Research and Development Work in Fertilizer Sector

10.5.1 As mentioned in previous year's Annual Report, Government of India vide notification No. 15061/1/2016-FP dated 16th September, 2016 set up Indian Council of Fertilizer and Nutrient research (ICFNR). It also notified constitution of Governing Council under the Chairmanship of Hon'ble Minister of Chemicals and Fertilizers and an Executive Committee under the Chairmanship of Secretary (Fert.). There was no representation of FAI and fertilizer companies other than PSUs either in Governing Council or Executive Committee.

10.5.2 NFL vide communication dated 6th September, 2018 proposed to form a society named as "Indian Council for Fertilizer and Fertilizer Technology Research (ICFFTR)". The objective of the society is to promote research in the areas of fertilizer manufacturing technologies, use of indigenous raw materials, innovation in fertilizer products, development of new bio-fertilizers, organic fertilizers & their derivatives and dissemination of information on the latest developments in fertilizer sector. NFL, RCF and FAGMIL would be founding members and together would contribute Rs. 5 crore as seed money for operation of the society. It was proposed that other PSUs and FAI would be invited to become members of the society. Leading private/cooperative fertilizer companies would also be invited to become members at later stage. There would be a one-time membership fee of Rs. 5.0 lakh and annual subscription of Rs. 1.0 lakh. FAI was requested by NFL to convey its consent to become member of the society.

10.5.3 FAI had replied that setting up of the society seems to be at initial stage. The desirability of setting up of society is not clear. More details are required



regarding categories of memberships, obligations and privileges of members in functioning of the society and relationship of proposed ICFFTR with earlier notified ICFNR.

10.6 Declaration of Fertilizer Industry as Public Utility Service

10.6.1 The Declaration of fertilizer industry as Public Utility Service (PUS) was deliberated in details in various Board meetings of the FAI. The details were reported in the previous year's Annual Report. FAI Board, in its meeting held in March 2018, decided that the same procedure of declaring the industry as PUS by concerned appropriate government be continued even for public sector companies as was before amendment dated 18th August, 2010 of Industrial Dispute Act 1947. Accordingly, FAI sent a letter to the DoF on 9th April, 2018 conveying the decision of the Board.

10.6.2 Department of Fertilizers vide its letter dated 27th June, 2018 sought information regarding number of employees, incidence of strikes and time lost due to strikes, etc., in private fertilizer companies. Information was received from the ten member companies and same was forwarded to the DoF.

10.6.3 The Ministry of Labour and Employment issued two separate notifications on the PUS. Vide SO 6362(E) dated 28th December, 2018, the Ministry of Labour and Employment added the chemical fertilizer industry in the First Schedule of Industrial Dispute Act, 1947 (14 of 1947). The Central Government, vide the second notification S.O. 6363(E) dated 28th December, 2018, declared chemical fertilizer industry as PUS for a period of six months from the date of publication of the notification.

10.7 Energy Consumption and Benchmarking in Ammonia Urea Plants

10.7.1 FAI continues to monitor energy consumption of Indian ammonia and urea plants. The weighted average energy consumption for ammonia plants for the year 2018-19 was 8.31 Gcal/MT ammonia which was lower than 8.35 Gcal/MT during 2017-18. The weighted average energy consumption for gas based ammonia plants was 8.14 Gcal/MT in 2018-19 compared to 8.17 Gcal/MT during previous year. The weighted average energy consumption of urea plants was5.89 Gcal/MT during 2018-19 compared to 5.91 Gcal/ MT during previous year.

10.7.2 FAI has initiated a benchmarking exercise of key process parameters in ammonia and urea plants for the period of 2017-18. The benchmarking study will help the plants to compare their operating matrix

and identify scope for improving the operational efficiency. The benchmarking report will be provided to each participating unit.

11.0 ISSUES RELATED TO ENVIRONMENT AND SAFETY

11.1 Guidelines for Continuous Emission and Effluent Monitoring System

11.1.1 The Central Pollution Control Board (CPCB) issued two set of guidelines during the year; one on continuous online monitoring system for emission in June 2018 and second for effluents in July 2018. The guidelines on emissions stipulate the requirement for continuous emission monitoring system, appropriate technology to be selected based on the type of stack and sector specific parameters to be monitoring and included monitoring of some process parameters such as flow, temperature, moisture and oxygen in emissions. Stack of boilers on coal based captive power plants have also been included. Further, it required instruments to have remote calibration facility.

11.1.2 In case of effluent, a number of requirements were added such as system memory to record data for at least one year, data transmission capability to multiple locations, automatic water matrix change feature, etc.

11.1.3 FAI sent a detailed representation on 31st July, 2018 to the CPCB based on the feedback received from the members and requested for a meeting with concerned CPCB officials to discuss the issues raised in the representation. The CPCB convened a meeting with industry representatives on 14th August, 2018. The meeting was chaired by Additional Director and Head (IPC-I) division. Representatives from 13 ammoniaurea, complex and SSP plants who had provided substantial comments participated in the meeting. The CPCB officials provided clarifications on a number of issues. It was also clarified that in case of any specific problem, fertilizer plants can individually represent to the CPCB with technical data.

11.1.4 As a follow-up, FAI sent a letter to the CPCB on 23rd August, 2018 summarizing the discussion and requested CPCB to issue instructions on the issues clarified during the meeting. FAI also sent a representation on 31st August, 2018 with results of trials of online monitoring system for particulate matter (PM) emission conducted by several complex fertilizer plants. It was requested that complex fertilizer plants be exempted from online monitoring of PM till reliable technology is available.



11.2 Guide for Treatment and Disposal of Effluents from Fertilizer Industry

11.2.1 Bureau of Indian Standards (BIS) had issued a Standard "IS 9841: 1981 Guide for treatment and disposal of effluents of fertilizer industry". The Guide was developed 37 years back and most of the information is outdated. FAI suggested that the Guide would be required to be completely revised. On the request of BIS, FAI has undertaken a task to review the Guide and engaged a consultant to work on the revision of the Guide. The development of Guide is under progress.

11.3 Plastic Waste Management Rules, (Amendment) 2018

11.3.1 The Ministry of Environment, Forests and Climate Change (MoEFCC) vide GSR 320 (E) dated 18th March, 2016 notified the Plastic Waste Management Rules 2016. FAI represented to the MoEFCC apprising the practical difficulty in complying with the Rules. Subsequently, the MoEFCC issued an amendment notification GSR 285 (E) dated 27th March, 2018. As per the amendment, plastic bags were permitted for alternative use. In case of fertilizer, farmers utilized the bags for storing farm produce and other materials. FAI sent another representation to the MoEFCC on 18th April, 2018 reiterating that it would not be practical for fertilizer industry to collect all bags after the alternative use by the farmers. FAI highlighted that fertilizer industry used about 1260 million bags in a year. These bags are sold to 138 million farmers. Since bags are reusable and with such a large consumer base, it will not be practical to collect bags at the end of the life and account for them. It was suggested that local administration may set up collection centers where end user may deposit bags after its useful life. Fertilizer industry at best can educate farmers for use and safe disposal. There was no response from the MoEFCC. A representation was also sent to the Secretary (Fert.) on 6th August, 2018 to take up the issue suitably with the MoEFCC.

11.3.2 The issue was discussed in the meeting of FAI Board on 5th December, 2018. As a follow up to the meeting, a small Committee of Board was constituted to discuss the issues related to the Plastic Waste Management. The meeting of the Committee was held on 7th February, 2019 in FAI. The members deliberated the provisions of the Plastic Waste Management (PWM) Rules. There were doubts raised on the applicability of the PWM rules to the fertilizer industry. However, CPCB has clarified that these are applicable to the fertilizer industry. The Committee decided to work out a strategy for compliance with the Rules. A representative of the Producer Responsibility

Organizations (PRO) engaged in helping brand owners to meet their obligations was invited to the meeting of the Committee. PRO is registered with the CPCB. He suggested that the industry should demonstrate some efforts in meeting their obligations. Since fertilizer bags are used number of times by the farmers and serving the purpose of alternate use, the Committee decided that FAI may commission a study to an agency to carry out the Life Cycle Analysis of fertilizer bags to establish the multiple usage by the farmers and other sections of the society. FAI may then represent the case to the regulator for seeking exemption for large bags from compliance of the PWM Rules.

11.3.3 The PRO was requested to submit a proposal to FAI to carry out the study. The proposal was discussed with the representatives of the agency in FAI wherein FAI suggested some changes. The revised proposal was circulated to the members of the Board Committee for comments and put for approval of the FAI Board in its meeting on 7th May, 2019. The Board approved the proposal and the study was awarded.

11.4 UN Resolution on Sustainable Nitrogen Management

11.4.1 United Nations Environment Assembly (UNEA) in its fourth meeting during 11-15th March 2019 at Nairobi adopted a resolution on "Sustainable Nitrogen Management". The resolution emphasizes on the need for better management of global nitrogen cycle. This has direct implication for use of 'Nitrogen' in agriculture and would require initiatives for better nutrient management practices in agriculture for improving nitrogen use efficiency. The resolution calls on the Executive Director of the United Nations Environment Programme (UNEP) to take the follow-up action.

11.4.2 FAI wrote letters to Secretary (Fert.), Secretary (MoEFCC) and Agriculture Commissioner (DAC&FW) bringing to their notice the contents of resolution. It was conveyed that any communication by the Ministry of Environment, Forests and Climate Change with United Nations Environment Programme (UNEP) on the subject should be in consultation with the Ministry of Agriculture & Farmers Welfare, the Department of Fertilizers, and fertilizer industry. Subsequently, FAI wrote again to MoEFCC that FAI could provide useful inputs for follow-up action on the resolution.

12.0 DEVELOPMENTS RELATED TO FERTILISER CONTROL ORDER (FCO)

12.1 Central Fertilizer Committee Meeting

12.1.1 Four meetings of Central Fertilizer Committee (CFC) were held during 2018-19. The Fertiliser



Association of India participated in all the meetings and provided its inputs on the agenda items which came up for discussion. Some of the important items discussed in CFC meetings included; regulatory authority in fertilizer sector; re-constitution of central fertilizer committee (CFC); inclusion of new fertilizer products in FCO; amendment in specifications of *neem* coated urea; DoF proposal regarding specification and penalty scale of imported fertilizers; third analysis of fertilizer sample; frequency of collection of compost samples; reduction in time limit of anlaysis of fertilizer sample; reduction in the weight of sample of water soluble fertilizers for testing, etc.

12.2 Re-constitution of Central Fertilizer Committee

12.2.1 Agriculture Commissioner, Government of India, used to be the Chairman of the CFC. However, in August 2012, when the position of Agriculture Commissioner was lying vacant, Additional Secretary, Integrated Nutrient Management (INM), Department of Agriculture and Cooperation, was nominated as the Chairman of CFC.

12.2.2 DG, FAI vide his letter dated 5th January, 2018 to Joint Secretary (INM), Department of Agriculture, Cooperation and Farmers Welfare (DAC&FW) expressed about the desirability of CFC to be headed by Agriculture Commissioner, who happens to be a technical and professional person with clear understanding of the subject. Consequently, the Central Government vide SO 4199 (E) dated 29th August, 2018 reconstituted the CFC with Agriculture Commissioner, Government of India as its Chairman; and Joint Secretary (INM), DAC&FW; Deputy Director General (Soils), ICAR; Joint Secretary (Fertilizers), DoF; Director, CFQC&TI or Director, NCOF; Director General, FAI; Director (Agriculture), Karnataka; Commissioner (Agriculture), Madhya Pradesh; Director (Agriculture), Assam; Joint Director (Agriculture), Delhi as members. Additional Commissioner (INM), DAC&FW is the member Convener of CFC.

12.3 Regulatory Authority in the Fertilizer Sector

12.3.1 Parliamentary Standing Committee on Agriculture in its 54th Report had made a recommendation to the Government to take steps for constitution of a Fertilizer Development and Regulating Authority in order to streamline the process of certification of fertilizers, continuous quality check, imposing penalty for sub-standard and spurious quality of fertilizers, promoting innovations in fertilizer sectors and fixation of pricing of fertilizers, etc. In this context, DAC&FW constituted a Committee under the Chairmanship of Additional Secretary (INM) with Joint Secretary (INM) as Member – Secretary and Joint Secretary (DoF), DG, FAI and Director, CFQC&TI as members.

12.3.2 The Committee held two meetings on 13th November, 2018 and 6th March, 2019 wherein Agriculture Commissioner, DAC&FW and ADG (S&WM), NRM Division, ICAR were also invited as special invitees. The Committee discussed in detail the various provisions contained in Fertiliser (Control) Order, 1985 in view of the recommendations made by the Parliamentary Standing Committee.

12.3.3 The Committee observed that FCO is a stringent piece of legislation under ECA to ensure availability of quality fertilizers with a well-defined quality control mechanism. The Committee also noted that agriculture being a State subject, State Governments are adequately empowered to implement various provisions of FCO. State Governments are advised to fix such number of Notified Authorities/Inspectors/Analysts, as they deemed fit based on the respective requirement of the state. It is the prime responsibility of the State Government to ensure availability of quality fertilizers to all the farmers as per the specifications given in FCO and to invoke various provisions contained in FCO and ECA for violations of FCO provisions. The Committee also noted that there exists a well-defined procedure for inclusion of any fertilizer in FCO and provides ample scope for all innovations which suits Indian soils and are beneficial to farmers. Further, FCO specifies all functions beginning from allocation/distribution of fertilizers to quality control. After detailed deliberations, the Committee is of the view that the concerns raised by the Parliamentary Standing Committee are well taken care of under the various provisions of FCO and obviates the need for constitution of Fertilizer Development and Regulating Authority in fertilizer sector.

12.4 Inclusion of New Fertilizer Products in FCO

12.4.1 The inclusion of new products in FCO is an ongoing process. The fertilizer products included in FCO under various schedules/clauses of FCO during 2018-19 are given below:

Schedule-I

- Boron ethanolamine (10% B)
- Elemental Sulphur fortified with Zinc Oxide in micro-granule form (67% S and 14% Zn)
- NPK 8:21:21 with Mg, S, Zn and B
- DAP with 4% S

Schedule-IV

• Potash derived from Rhodophytes (20% K₂O)

Schedule-IV

• General Specifications of Non-Edible De-oiled Cake



Clause 20-A Phospho-gypsum (granular)

Clause 20-B
32 grades of Customized Fertilizers

12.5 Revised Specification of Neem Coated Urea

12.5.1 The issue of revised specification of *neem* coated urea (NCU) has been under discussion since its notification vide S.O.1323(E) dated 22nd March, 2018. The matter was discussed in FAI Board Meeting. All urea manufacturers were requested to do the analysis of neem oil and neem oil extracted from NCU for specifications as per the method given in the notification and send the results to FAI. Based on the results obtained from some of the urea units, FAI sent a representation to Joint Secretary (INM), DAC&FW on 10th September, 2018, expressing the concerns of urea manufacturers in meeting the revised specifications of *neem* coated urea. It was expressed that the urea units were facing difficulty in extraction of oil residue from NCU as upon soaking in the binary mixture of n-hexane and acetone (4:1), the solvent got completely absorbed in NCU and no solvent could be recovered for analysis of meliacins. The proposed method needs to be standardized by a reputed laboratory which should also explore an alternative to existing n-hexane-acetone mixture.

12.5.2 The results of analysis of *neem* oil extracted from NCU with benzene immediately after coating, after 15 days, and one month shows a sharp reduction in meliacins content (0.82% to 0.40%). Such a drastic reduction in meliacins content of *neem* oil extracted from NCU with storage time questions the relevance of fixing specifications for NCU. In view of the complexity of analytical procedure including method of extraction of *neem* oil from *neem* coated urea and also the repeatability of procedure and results, FAI suggested that the specifications of total meliacins content should be there for *neem* oil only.

12.5.3 Keeping in view the seriousness of the problem and its likely implications on urea industry, the matter was also discussed in the FAI Advisory Committee on Agricultural Sciences on 16th January, 2019 and FAI Technical Advisory Committee on 18th January, 2019. The members reiterated that the specification of meliacins content should be only for the *neem* oil used for coating urea. Specifications for *neem* oil should be realistic keeping in mind the availability of *neem* oil in market, reliability of analytical method, availability of standards of different meliacins, etc. Members requested FAI to take up the issue with DAC&FW and discuss in the next CFC meeting. 12.5.4 DG, FAI vide its letter dated 4th February, 2019 appraised the DAC&FW about the concerns of urea manufactures in meeting the revised specifications. He requested the Department to discuss the issue in CFC meeting to be held on 14th February, 2019 as the deadline of enforcement of revised specifications of NCU is 22nd March, 2019. Accordingly, this issue was discussed in CFC meeting. DG, FAI expressed that it was not possible to extract *neem* oil from NCU by the prescribed method. Moreover, the results of *neem* oil extracted from NCU with earlier prescribed extractant (benzene) showed a large reduction in meliacins content immediately after coating, after 15 days and 1-month of coating.

12.5.5 On enquiring about the progress of study which was to be undertaken by the Division of Agricultural Chemicals, IARI, New Delhi, the representative expressed inability to complete the study in stipulated time due to various difficulties encountered in implementing the project. Dr. C. Devakumar retired ADG, ICAR who was invited as an expert, informed the Committee that there are a few NABL-accredited laboratories which have the facilities for undertaking such a project. He recommended the name of Asthagiri Herbal Research Foundation for the task.

12.5.6 Chairman, CFC expressed that it is a highly sensitive matter and needs a proper study. The progress of study needs to be monitored on regular basis. After detailed deliberations, CFC observed that in view of the concerns raised by the FAI, it was not justified to enforce the revised specifications immediately and recommended the postponement of the enforcement of proposed specifications by one year.

12.6 Specification and Penalty Scale of Imported Fertilizer

12.6.1 Department of Fertilizers sent a proposal to DAC&FW regarding specification and penalty scale of imported fertilizer. It mentioned that at present urea is the only fertilizer under statutory price control and its import is made on Government account through the three State Trading Enterprises (STEs). Based on the quantity of urea finalised against a tender enquiry, the contracts are signed between STEs and the global urea suppliers. The specifications of both prilled and granular urea are stringent in the contract compared to the specifications given in FCO. There are provisions of levy penalties on the suppliers in the contract in case the supplier fails to supply urea of contractual specifications based on discharge port quality analysis report of CFQC&TI.

12.6.2 The system was working well, however, in the recent past in two cases, the samples analysed by the



CFQC&TI, Faridabad or its regional laboratory have shown deficiency in particle size with reference to contractual specifications. The cargo was fit for direct agriculture use as per the FCO specifications. As per the provisions of the contracts, suppliers opted for umpire analysis. In both the cases, umpire analysis reports were worse than the first reports of CFQC&TI and failed in particle size under FCO too. In both the cases, the cargo was sold for direct agriculture use based on the first report of CFQC&TI.

Since the reports of CFQC&TI and umpire 12.6.3 analysis based on the composite sample drawn at discharge port were showing huge difference, there were conflicting views in DoF about the applicability of penalty clause or rejection of cargo clause. The matter was referred to the Committee of Secretaries (CoS) for advice. The draft of the CoS note was sent to DAC&FW for their comments. While furnishing their comments on CoS note, DAC&FW observed that "The FCO derives its power from the statute, the Essential Commodities Act, 1955. So, the specifications prescribed in the FCO are bench mark standards so far as quality testing is concerned. If DoF requires any stringent measures other than specified in FCO, it needs to be brought to the knowledge of Technical Committee (TC) to be considered under FCO. This will ensure uniformity in norms."

The matter was also placed before the CFC on 12.6.4 19th April, 2018 to review (i) present contractual specifications of prilled and granular imported urea; (ii) procedure of collection of samples at ports and the sample analysis procedure, and (iii) norms of scale of penalties. After detailed discussion, CFC observed that DAC&FW is mainly concerned with the FCO specifications and under clause 19 of FCO, it is mandatory for the importer to import only such fertilizers which are of specifications as laid down in FCO. Therefore, DAC&FW has no role in fixing the specifications under contractual provision. It was noted that huge variations have been found only in two urea samples. The CFC also noted that in the recent past, a method of sampling of imported fertilizers has been incorporated in FCO on the recommendation of TC. In view of this, it was decided that DoF may decide the matter at its own level in consultation with all concerned keeping in view the FCO provisions.

12.7 Third Analysis of Fertilizer Sample

12.7.1 Central Fertilizer Committee was informed that the referral laboratories are taking a lot of time in sending the analytical reports. In many cases, the referral and first analysis laboratory declared the sample as non-standard in different parameters. This raised doubts on the genuineness of analysis. On this ground, both reports have been challenged by the aggrieved parties and they have requested for third sample analysis. In two writ petitions filed before the Hon'ble Delhi High Court, directions have already been issued for third analysis.

12.7.2 In view of above, it is for consideration of CFC whether instead of directing the referral lab to analyse the sample in all the parameters, the referral lab may be asked to analyse the sample only in respect of parameter in which the sample was declared as non-standard in first analysis. Alternately, a provision may be made for third analysis in case of two differing reports and then two similar results may be taken as the final report.

12.7.3 After detailed deliberations, CFC observed that it would not be appropriate to get the sample analyzed by a referral laboratory in only those parameters in which it was declared as non-standard in the first analysis. The CFC recommended that in case sample is declared non-standard in different parameters or there is wide variation in two reports, a provision for second appeal for third analysis may be made in FCO and that analysis shall be carried out at any of the five laboratories of National Test House.

12.7.4 A new provision of third analysis has been made in FCO under specific cases. In case, the sample is declared non-standard in different parameters or there is a wide variation in two reports, one can go in for second appeal for third analysis and that analysis shall be carried out at any of the five laboratories of National Test House. The analysis report of third sample will supersede the report of first and referee analysis. The Gazette notification has already been issued in this regard vide S.O 3265 (E) dated 5th July, 2018.

12.8 Clarification on Amendment in Clause 32A of the FCO Regarding Third Analysis

12.8.1 The State Government of Rajasthan has sought clarification on the amendment made in Clause 32A of FCO, 1985 wherein the National Test House was empowered to test the sample as 3rd analysis in case where there is a wide variation between the first analysis report and 2nd analysis report or wherein the results were declared non-standard in different parameters. The State Government has sought clarification on the following:

- (i) The date from which the matter for third analysis be considered.
- Definition of the term 'wide variation' or criteria for bringing the matter under the term wide variation;
- 12.8.2 In regard to the point (i), it was decided to clarify



that all such cases whose reports are received after 5th July, 2018, be considered for third analysis. With respect to point (ii) if the variation in nutrient content between 1st analysis and referee analysis is more than the tolerance limit specified in Schedule-IB, then it will come under the definition of wide variation.

12.9 Permission for e-Sale of Fertilizers to Farmers

12.9.1 M/s Agriplex has requested DAC&FW for grant of permission for e-sale of fertilizers to farmers. The ecommerce company will act as retailer. It will function by procuring the materials/fertilizers from the nearest retailers/manufacturers/wholesalers and the same will be delivered to the farmers at their door steps. Ecommerce retailer has the capability to deliver required products directly to the customer's door step. Authentication of the delivery shall be made by capturing a photo of Aadhaar card, farmer's details like name, address, phone number, farm area, crop area, etc.

To carry out e-commerce, M/s Agriplex sought the following exemptions:

- i) Details of logistic service provider
- ii) Return policy
- iii) Contact details
- iv) Procedure for lodging grievance, complaints, etc., on the e-portal and complaint redressal mechanism

12.9.2 The issue was discussed in 56th meeting of CFC and was approved in principle with the directions to DAC&FW to place detailed amendments before CFC for consideration. Accordingly, certain amendments to be carried out in FCO for permitting e-commerce in fertilizer sector were placed before CFC in its meeting on 14th September, 2018.

12.9.3 After detailed deliberations, Committee decided that a separate sub-committee may be constituted with representatives from Department of Fertilizers, Ministry of Consumer Affairs, Ministry of Commerce, DAC&FW, FAI and Dealer Association to examine the modalities of e-market and necessary amendments in FCO.

12.10 General Specifications of Non-edible Deoiled Cake

12.10.1 National Centre of Organic Farming (NCOF), Ghaziabad has submitted a proposal for inclusion of de-oiled *neem* cake in Schedule V of FCO. This issue was earlier examined by the TC in detail and it observed that in FCO, castor de-oiled cake had already been notified. There are other types of non-edible deoiled cakes which can be used as a source of nutrient. The TC

was of the opinion that instead of specifying each kind of non-edible de-oiled cake separately, it is appropriate to include deoiled cake in FCO, with generalized specifications as it is impossible to ascertain the source of such cakes by any method. The Committee requested the Director, NCOF to formulate the specifications of deoiled cake for consideration.

12.10.2 Accordingly, the Director NCOF submitted the following general specifications for non-edible deoiled cake:

S.N	o. Components	Specification
1. Base		Carrier based in
		the form of moist/
		dry powder
2.	Moisture % by weight, maximum	10.0
	in case of carrier base	
3.	Ash content %, maximum	15.0
4.	pH	4.5 to 6.5
5.	Electrical Conductivity (dS/m)	<4.0
6.	Total nitrogen (%), minimum by we	eight 1.5
7.	Total phosphate $\mathrm{P_2O_5}$ % , minimum	by 0.20
	weight	
8.	Total potash K ₂ O %, minimum by	weight 0.50
9.	Total carbon %, minimum by weig	ht 23.0

The CFC, after detailed deliberations, recommended for inclusion of above mentioned general specifications of deoiled cake in FCO.

12.11 Frequency of Collection of Compost Samples

12.11.1 Department of Fertilizers had referred the matter for reducing the frequency of drawal of samples of city compost from once a month to once in six months to MOA&FW. The DoF was informed that FCO does not provide for any frequency for sample collection. State Governments are primarily responsible for supply of quality fertilizers in their respective States. Moreover, quality of city compost depends on the raw material which is city waste and its composition may vary from lot to lot. It is not possible to formulate a generalized view for entire production of the plant based on a sample collected from one lot in a particular crop season. In view of this, it would not be appropriate for DAC&FW to offer any specific comments on the frequency of collection of samples of city compost.

12.11.2 Thereafter, Cabinet Secretariat in their letter have mentioned that the guidelines for drawal and analysis of samples are made under the Fertiliser (Control) Order, 1985 which provides for amendment by the Government of India based on recommendation of Advisory Committee appointed under section 38 of FCO. The Cabinet Secretariat had advised DAC&FW to



refer the matter to the Advisory Committee for taking appropriate action in the matter. Accordingly, the matter for reducing the frequency of drawal of samples of city compost from once a month to once in six months was discussed in the CFC meeting. The CFC observed that no frequency of sample collection has been provided in FCO and as such, it would not be appropriate to make a recommendation in this regard. It was expressed that quality of city compost may not be compromised.

12.12 Reduction in Time Limit of Analysis of Fertilizer Sample

12.12.1 Analysis of samples is done in notified Central and State Government laboratories by the trained and qualified fertilizer analysts as per instructions in Schedule II of FCO. Each laboratory is designated as reference laboratory for the purpose of analysis of any sample. Time limits for testing of fertilizer samples was reduced vide SO 3265 (E) dated 5th July, 2018 and is as given below:

- Dispatch of sample (within **3** days from date of drawal of sample in place of 7 days earlier),
- Analysis in laboratory (within **15** days from date of receipt of sample in place of 30 days earlier) and
- Communication of results to dealers (within 7 days from the date of receipt of analysis report from laboratory in place of 15 days earlier)

12.13 Reduction in Weight of Sample of Water Soluble Fertilizers for Testing

12.13.1 Weight of sample for 100% water soluble fertilizers and 100% water soluble mixtures of fertilizers was reduced to 100 gm from 400 gm earlier. A new category at Sr. No. 4A has been inserted in Schedule-II of FCO in this regard vide SO 3265 (E) dated 5th July, 2018.

12.14 Certificate Course for Retail Dealership

12.14.1 The Ministry of Agriculture & Farmers Welfare vide SO 3720 (E) dated 13th July, 2018 has prescribed 'certificate course' to get retail dealership. Now, no authorisation letter shall be granted to any applicant for retail dealership, unless the applicant possesses the certificate course of fifteen days from any State Agricultural University or Krishi Vigyan Kendras or National Institute of Agricultural Extension Management (MANAGE) or National Institute of Rural Development and Panchayati Raj (NIDPR) or Fertiliser Association of India or any other approved Government Institute.

- 12.14.2 Certificate course is not required providedA person is B Sc. in Agriculture/Chemistry or diploma in Agricultural Science
- A dealer has been granted authorization letter before commencement of amendment

12.15 Inclusion of Micronutrient Mixtures in Schedule 1 of FCO

Indian Micro-Fertilisers Manufacturers 12.15.1 Association has requested to amend S.No.1(g) Schedule 1-part A of the Fertiliser (Control) order, 1985 by including the term "Micronutrient Mixtures" in it. The proposal was discussed in the CFC meeting held on 14th September, 2018. It was explained to the committee that under Schedule 1(g) of FCO, 1985, straight micronutrient fertilizers are specified. Inclusion of straight micronutrient fertilizers in FCO is under the purview of Central Government. However, the micronutrient mixtures are prepared by mixing of two or more micronutrient fertilizers notified under the S.No.1(g). These mixtures are crop and soil specific and therefore, the State Governments, under clause 13 of FCO, are empowered to notify the mixtures of fertilizers, micronutrient mixtures for their respective States.

12.15.2 The Committee noted that mixtures of fertilizers are not under the control of Government of India and are to be notified by the concerned State Governments. It recommended that there is no need for including the term mixture of micronutrient in S.No. 1 (g) of Schedule I of FCO.

13.0 INITIATIVES FOR SOIL HEALTH IMPROVEMENT

13.1 Involvement of Fertilizer Companies in Celebration of World Soil Day - 2018

13.1.1 The year 2015 was celebrated as International Year of Soils wherein it was decided to celebrate the 5th December as World Soil Day every year. The Joint Secretary (INM), MOA&FW, vide letter no. 16-8/2018-Fert Use dated 26th October, 2018 requested the DG, FAI to advise the Lead Fertilizer Companies to participate in the celebration of World Soil Day 2018.

13.1.2 To discuss the activities to be undertaken by fertilizer companies on the occasion of World Soil Day 2018, a meeting was held on 5th November, 2018 under the chairmanship of Joint Secretary (INM), DAC&FW. The meeting was attended by the representatives of fertilizer companies and FAI. After detailed discussion with the representatives of the fertilizer companies, allotment of 117 districts covered under Krishi Kalyan Abhiyan (KKA-II) was done for adoption by fertilizer



companies. FAI was requested to coordinate the activities to be taken up by fertilizer companies and submit the consolidated report to DAC&FW. Accordingly, a number of activities were undertaken by fertilizer companies on the occasion of World Soil Day and detailed report of activities received from each of the company was sent to DAC&FW.

13.2 Holistic Strategy for Assessment of Soil Health

A wealth of soil test data has been generated 13.2.1 under soil health card (SHC) scheme. Soil health has chemical, physical and biological dimensions. However, the 12 parameters covered under SHC scheme include mainly soil chemical/soil fertility parameters. It has been felt by scientific community whether to include a few soil physical and biological parameters in the SHC scheme. To discuss the subject at length, a brainstorming session was organised on 'Holistic Strategy for Assessment of Soil Health' on 26th June, 2018. The session was Chaired by DG, ICAR and all the stakeholders including scientists, government officials and fertilizer industry participated in the event. Potential of inclusion of physical and biological parameters were discussed in the session to make it more holistic. In this connection, a committee has been constituted with Secretary, DARE & DG, ICAR as Chairman. Director General, FAI has been nominated as a member to this committee.

13.3 Promotion of Customized Fertilizers

13.3.1 Encouraging the use of customized fertilizers (CFs) and fortified fertilizers is considered as ideal strategy to increase the use of micronutrients. Government of India is promoting customized fertilizers for balanced use. A number of grades of CFs have been included in FCO in last 10 years. However, the production and use of CFs has not picked up due to various constraints.

13.3.2 The procurement of subsidized fertilizers used as raw materials for production of customized fertilizers emerged as a serious constraint under Director Benefit Transfer (DBT) scenario. The matter was taken up with DAC&FW and DoF. Accordingly, an interim procedure for sale of subsidized fertilizers to customized fertilizer manufacturing units under DBT system was notified on 23rd May, 2018 for a period of six months. A Committee under the Chairmanship of Director (DBT) was constituted to examine and suggest the mechanism for sale of subsidized fertilizers to customized fertilizer manufacturing units. To discuss the other problems of manufacturers of CFs, a meeting was taken up by Secretary, MOA&FW on 14th November, 2018. The interim procedure for sale of subsidized fertilizers was extended for a further period

of 1 year w.e.f. 23rd November, 2018 or till further orders whichever is earlier.

14.0 FAI ANNUAL SEMINAR 2018

14.1 FAI Annual Seminar has emerged as one of the most important events for global fertilizer fraternity. FAI Annual Seminar 2018 was held at Hotel 'Pullman', Aerocity, New Delhi during 5-7 December, 2018. This international event was devoted to the theme of 'Making Fertilizer Industry Viable and Vibrant'. The seminar was attended by more than 1200 delegates including about 120 foreign delegates from 30 countries. In all, 15 papers were presented in four technical sessions viz., (i) Policies for Viable Fertilizer Sector, (ii) Nutrient Management in Indian Agriculture, (iii) Improving Viability of Fertilizer Production, and (iv) Issues in Fertilizer Marketing besides panel discussion on 'Fertilizer Policy – Need for Change'.

14.2 The Seminar proceedings started with the Press Conference on 3rd December, 2018. The Seminar was inaugurated by the Hon'ble Minister of Chemicals and Fertilizers, Statistics and Programme Implementation, Mr. D.V. Sadananda Gowda on the 5th December, 2018. Hon'ble Minister of State for Chemicals and Fertilizers and Secretaries of concerned departments also participated. This was followed by a panel discussion and four technical sessions during next two days. The Seminar deliberated on a number of aspects viability of domestic fertilizer industry and its contribution to bring about the second green revolution in agriculture sector.

14.3 Three-day power-packed deliberations were attended by major stakeholders, including the Honourable Ministers, senior Government officials, policy makers, agriculture scientists, industry leaders and technology suppliers.

14.4 First time in the Seminar, a panel discussion was held on the topic 'Fertilizer Policies – Need for Change' with participation of eminent personalities. Eminent economist Professor Abhijit Sen highlighted the need for restoring the balance in use of fertilizer nutrients including necessary adjustment in retail prices of the different fertilizers, particularly price of urea vis-à-vis P&K fertilizers. He also called upon the industry to play more pro-active role for higher crop productivity and improved soil health. Dr. S.K. Chaudhari, Assistant Director General (S&WM), ICAR also emphasized on the urgent need for correcting the current imbalance in use of N, P and K and removing the deficiency of secondary and micronutrients.



14.5 Industry leaders brought out various issues under the present policies which are not only affecting industry's financial viability but also contributing towards increasing the difficulty of doing business in the sector. They emphasized on the need for a dramatic change in fertilizer pricing and subsidy policies to restore the health of domestic industry. The rationale of investment in new urea plants was to maximize selfsufficiency in urea production for strategic reasons. It was brought out that once, all the 10 new urea plants are commissioned, there may be surplus urea capacity in the country for some time. It was stated that there was need to align the current domestic capacity, a large part of which is unviable under the present policy with the new capacity being created under a separate policy.

14.6 The eminent speakers concluded that existing policies are neither benefiting the farmers nor the industry. The government is spending more than Rs. 70,000 crore every year. Existing pricing policies are resulting in imbalanced use of even primary nutrients N, P and K, leave alone addressing the deficiency of secondary and micronutrients. Farmers are not getting optimum return from their investment in fertilizers and other inputs. There is a crying need for course correction in pricing policies in the interest of soil health, crop productivity and farmers' income.

14.7 Other technical sessions of the Seminar included deliberations and issues related to nutrient management in Indian agriculture, improving viability of fertilizer production and issues in fertilizer marketing.

14.8 The Seminar was concluded on 7th December, 2018 with a valedictory address by Dr. Vijay Kumar Saraswat, Hon'ble Member, NITI Aayog, Government of India. He emphasized on the need for development of home grown production technologies.

15.0 INTERNATIONAL RELATIONS

15.1 FAI, with its professional services and valuable contributions to the industry over the years, has emerged as an important organisation in the field of agriculture and fertilizers. Its views on concerned issues are widely acclaimed and solicited both nationally and internationally. Apart from its representation and participation in national level research and decisionmaking forums including Government, FAI maintains cordial relations and exchanges information with a number of reputed international organisations. Some of the these organisations include Food and Agriculture Organization (FAO), Rome; The International Fertilizer Association (IFA), Paris; International Plant Nutrition Institute (IPNI), Norcross, USA; The Sulphur Institute (TSI), Washington DC; The International Potash Institute (IPI), Switzerland; International Crops Research

Institute for the Semi-Arid Tropics (ICRISAT), Hyderabad, India; International Fertilizer Development Centre (IFDC), Muscle Shoals, USA; International Rice Research Institute (IRRI), Los Banos, Philippines; International Maize and Wheat Improvement Center (CIMMYT), Mexico; International Zinc Association (IZA), Belgium; and many others with a view to promote better understanding of the global developments and their impact on the Indian fertilizer and agriculture sectors.

16.0 FAI WEBSITE (www.faidelhi.org)

16.1 FAI website, www.faidelhi.org was launched during 2000-01. The site has been providing wealth of information to its members. In addition to statistical data and maps, other information *inter-alia* includes subjects like environmental issues, energy consumption, government notifications, highlights of fertilizer policies, reports and Abstract service. Daily news bulletins are also posted on the website. FAI website provides on-line registration facility to the delegates of FAI Annual Seminar held during November/December every year. The website was completely redesigned in 2015 with many additional features including virtual library, FAI Competition Compliance Policy, Social media sites, Blogs, Press releases, etc. Keeping in view sensitive information stored in FAI website, FAI website has been made more secured. The URL of FAI website is now changed to https://www.faidelhi.org in place of earlier http:// www.faidelhi.org.

16.2 In addition to the classified information available on FAI website, news items relating to the development in the fertilizer and agriculture sectors and other key information were sent to the web members regularly on the working days. The site received good response from its members and other users.

16.3 The number of subscribers of the FAI website as on 31st March, 2019 was as under:

Active	9	
Associate	37	
Total	46	

17.0 DEVELOPMENT OF MOBILE APP

17.1 During 2017-18, a new initiative was undertaken in FAI to provide Mobile App facility to the delegates of FAI Annual Seminar 2017. This facility was extended to the registered delegates of FAI Annual Seminar 2018. The App contained details of programme; speakers; list of delegates; exhibitors; sponsors; meetings/events, places of interest in Delhi; appointment facilities; and many other useful features. In addition, new features



added in the app include: (i) Speeches delivered during Inauguration and Valedictory sessions, (ii) Presentations made during the technical sessions, and (iii) a Photo gallery.

18.0 PUBLIC RELATIONS

18.1 FAI continued to interact with media and provided relevant inputs/information on various developments in the fertilizer sector. Interactions were aimed to facilitate accurate reporting of developments and also to reflect industry views. DG, FAI himself regularly interacted with senior journalists and gave briefing on industry's stand on major issues related to the sector. During the year direct live and audio telecast and recorded interviews were carried out by almost all business TV channels in English and Hindi.

18.2 Several press releases were given on issues of concern to the fertilizer industry. These were covered by leading business and economic dailies during the year. Prominent newspapers/magazines and news agencies published report of the industry based on the Annual Review of Fertilizer Production and Consumption and editorials in Indian Journal of Fertilisers.

18.3 Coinciding with FAI Annual Seminar 2018, a press conference was organized in FAI House, New Delhi on 3rd December, 2018. Major media groups were present in the press meet. It was addressed by Chairman, Co-Chairman and DG, FAI. The meeting was a curtain raiser for the Annual Seminar. The relevance of the Seminar theme Making Fertilizer Industry Viable and Vibrant was explained to the media. It was emphasized that vibrant domestic fertilizer industry is in the interest of Indian agriculture and country as a whole. However, the fertilizer industry operates under most controlled environment. Therefore, there is a need for suitable reforms in the sector to make the fertilizer industry viable and vibrant to serve the cause of the Indian farmer. The seminar was covered by national and regional dailies, business and economic newspapers, All India Radio, Delhi Doordarshan etc.

18.4 An informative article titled 'Making Fertilizer Industry Viable and Vibrant' authored by Mr. K.S. Raju, Chairman, FAI was published in Delhi edition of the Economic Times, Delhi and Mumbai edition of Hindustan Times and all editions of HT Mint on 5th December, 2018.

18.5 During 2018-19 four special issues of Indian Journal of Fertilisers were brought out related to agriculture, technology, marketing and Annual Seminar. January 2019 issue gave highlights of FAI Annual Seminar. Three special issues of Khad Patrika (Hindi) each on *kharif, rabi* and *zaid* were also published. The highlights of FAI Annual Seminar were also brought out in February 2019 issue of Khad Patrika. Fertiliser Marketing News published articles related to marketing and logistics. It also covered Annual Seminar in January 2019 issue.

19.0 FAI PUBLICATIONS

19.1 Annual Review of Fertilizer Production and Consumption 2017-18

19.1.1 Annual Review of Fertiliser Production and Consumption2017-18 published in September 2018 presents a detailed review of fertilizer policy in the preceding year, production performance, state-wise analysis of fertilizer consumption, agricultural development programmes taken up by central government, state governments and fertilizer industry in 2017-18 and outlook of fertilizer availability and expected consumption for 2018-19.

19.2 Fertiliser Statistics – 2017-18

19.2.1 *Fertiliser Statistics* is a valuable repository of fertilizer, agriculture and allied statistics. The *Fertiliser Statistics* 2017-18 the 63rd Edition published in November 2018 is divided into 3 parts. First part contains details of capacity, production, import, despatches, consumption, prices, taxes on fertilizers and raw materials in India. Second part deals with Indian agricultural and allied statistics. Third part gives world fertilizer and agricultural statistics. The publication also gives in a nutshell the developments in fertilizer policy in India.

19.3 Specialty Fertiliser and Micronutrient Statistics - 2017-18

19.3.1 The deficiency of primary as well as secondary and micronutrients in the soil are limiting the desired growth in Indian agriculture. Balanced use of fertilizer is needed to supplement the deficiencies of nutrients in the soil. To ensure balanced fertilisation, besides existing fertilizer products, a number of new efficient fertilizer products have emerged in the market in recent years. These include *neem coated urea*, water soluble fertilizers, customized fertilizers, fertilizers fortified with micro-nutrients, etc. *Speciality Fertiliser and Micronutrient Statistics* – 2017-18 (7th edition) published in November 2018 covers the details of capacity, production, import, sale, and other related information about these products.

19.4 Biofertiliser Statistics – 2017-18

19.4.1 Biofertilisers are important supplement to



chemical fertilizers which help in augmenting crop production by enriching the soil fertility, soil enzymes and soil microbial population. *Biofertiliser Statistics* – 2017-18 (10^{th} edition) published in November 2018 covers comprehensive data on capacity, production, despatches, specifications of biofertilisers and other related information.

19.5 Handbook on Fertiliser Usage

19.5.1 Handbook on Fertiliser Usage provides basic and practical information on wide range of topics related to soils, fertilizers and crop nutrition in simple language. Containing wealth of information, this handbook is highly useful to the extension/field staff of fertilizer industry, Krishi Vigyan Kendra, state departments of agriculture, agriculture students and scientists.

19.6 Fertiliser Control Order (FCO)

19.6.1 FCO is a dynamic Order and revised editions are published by FAI to incorporate various amendments made by the Government from time to time. The 18th Edition was published in February, 2019.

20.0 MEMBERS

20.1 The position of members as at the end of the year compared to the previous year stands as under:

Member	2019	2018
Active	43	42
Associate	184	199
Overseas Associate	27	27
Technical & Professional Associate	547	705
Total	801	973

The particulars of Active, Associate & Overseas Associate Members are given in Appendix IX.

20.2 Membership Subscription

20.2.1 In the 389th meeting held on 30th July, 2018, the Board of Directors approved the rates of subscription for Active Members for the year 2018-19 which are the same rates applicable since 2013-14. The rates are as under:

Ceiling - Based on the Nutrient sold

Category*	Rupees in Lakh			
Sales up to 25000 te	0.63			
Sales > 25,000 te but < 50,000 te	1.25			
Sales > 50,000 te but < 1,50,000 te	2.50			
Sales > 1,50,000 te but < 3,00,000 te	4.37			
Sales > 3,00,000 te but < 5,00,000 te	6.25			
Sales > 5,00,000 te but < 10,00,000 te	8.75			
Sales > 10,00,000 te but < 15,00,000 te	11.25			
Sales > 15,00,000 te but < 20,00,000 te	13.75			
Sales > 20,00,000 te but < 25,00,000 te	17.50			
Sales > 25,00,000 te	25.00			
* Category is determined based on domestic production plus imports of nutrients sold except imported urea.				

20.2.2 The members approved the rates of annual subscription as given under for the following categories of Associate Members for the year 2018-19 in the 62nd Annual General Meeting held on the 25th September, 2017:

S. No.	Category	Amount			
(i)	Associate Members	Rs.20,000*			
		(Same rates as			
		applicable from			
		2009-10)			
(ii)	Overseas Associate Members	US \$ 2000*			
		(Same rates as			
		applicable from			
		2011-12)			
(iii)	Technical & Professional	Rs. 500*			
	Associate Members	(Same rates			
		as applicable from			
		2009-10)			
* plus GST					

21.0 BOARD OF DIRECTORS

21.1 The following two Directors, who retired by rotation under clause 83rd of the Articles of Association on the date of the last Annual General Meeting held on the 26th September, 2018, were re-appointed as Directors:

- 1. Mr. J.C. Laddha
- 2. Mr. Manish Nagpal

21.2 The following Casual/Additional Directors were also appointed at the Annual General Meeting held on 26th September, 2018 against the existing vacancies:

i) Mr. N. Suresh Krishnan, representative of M/s Mangalore Chemicals & Fertilizers (MCF) Ltd., was appointed to represent the interest of nitrogenous and complex fertilizer manufacturers.



- ii) Mr. S.P. Yadav, representative of M/s Gujarat State Fertilizers & Chemicals Limited (GSFC), was appointed to represent the interest of nitrogenous and complex fertilizer manufacture.
- iii) Mr. Akshay Poddar, representative of M/s Zuari Agro Chemicals (ZACL) Ltd., was appointed to represent the interest of nitrogenous and complex fertilizer manufacturers.
- iv) Mr. Mr. D.S.Sudhakar Ramaiah, representative of M/s Projects and Development India (PDIL) Ltd., was appointed as a Director to represent the interest of associate members.
- v) Mr. Umesh V. Dhatrak, representative of M/s Rashtriya Chemicals and Fertilizers (RCF) Ltd., was appointed to represent the interest of nitrogenous and complex fertilizer manufacturers.
- vi) Mr. Challa Narasimha Reddy, representative of M/s Jubilant Agri and Consumer Products (JACPL)Ltd., was appointed to represent the interest of super phosphate manufacturers.
- vii) Mr. Sundeep Kumar Nayak, representative of M/s National Cooperative Development Corporation (NCDC), was appointed to represent the interest of associate members.
- viii) Mr. P.R. Dhariwal, representative of M/s Matix Fertilizers and Chemicals Ltd., was appointed to represent the interest of nitrogenous and complex fertilizer manufacturers.
- ix) Mr. Narasimha Rao, representative of M/s Yara Fertilisers India Private Limited, was appointed to represent the interest of nitrogenous and complex fertilizer manufacturers.

21.3 The following Director was also appointed at the Annual General Meeting held on 26th September, 2018 against the existing vacancies:

i). Mr. Ashvini Hiran, representative of M/s IRC Agrochemicals Private Limited, was appointed to represent the interest of interests of NP/NPK manufacturers.

21.4 The following were co-opted as Additional Directors under clause 75(a) of the Articles of Association by the Board during the year:

- (i) Mr. Ved Prakash, w.e.f. 26th September, 2018
- (ii) Mr. Rajiv Chopra, w.e.f. 26th September, 2018
- (iii) Mr. D. Nandakumar w.e.f. 26th September, 2018
- (iv) Mr. M.S.Dagur, w.e.f. 5th December, 2018
- (v) Mr. U. Saravanan w.e.f. 5th December, 2018

21.5 The following Directors resigned/vacated from the Board of Directors of FAI during the year:

Resignations/Vacations

- *a)* Directors
- (i) Mr. Rajiv Kumar Gupta w.e.f. 30th July, 2018
- (ii) Mr. D.K.Sundar w.e.f. 30th July, 2018
- (iii) Mr. A.B. Khare w.e.f. 5th December, 2018

21.6 To fill up the vacancies the following Directors were appointed:

- *a) Emeritus Director*
- (i) Mr. A Vellayan, w.e.f. 2nd April, 2018
- *b) Other Directors*
- Mr. Sundeep Kumar Nayak, w.e.f. 2nd April, 2018 as an Additional Director
- Mr. Narasimha Rao, w.e.f. 2nd April, 2018 as an Additional Director
- (iii) Mr. Umesh V. Dhatrak, w.e.f. 5th December, 2018 as a Casual Director

21.7 In terms of 92(3) of the Companies Act 2013, extract of annual return is given in Form No. MGT-9 in Appendix-X.

22.0 FINANCE

22.1 The excess of income over expenditure is Rs. 2,06,28,786/- for the year ended the 31st March, 2019.

23.0 STAFF

23.1 FAI has been striving to keep the manpower requirement at an optimum level which enables effective and efficient service to the members. In this process conscious efforts have been made to rationalize the staff strength of FAI through retirements and reallocations of work without compromising the delivery and quality of services provided to member companies. Total staff strength has come down from 68 at the end of the financial year 2006-07 to 47 at the end of the financial year 2018-19.

23.2 The Board has great pleasure in acknowledging the unstinted cooperation extended and the hard work put in by the Officers and staff of the Association in successfully carrying out various programmes during the year.

24.0 PREVENTION OF SEXUAL HARASSMENT OF WOMEN AT WORKPLACE

24.1 The Association has complied with provisions relating to the constitution of Internal Complaints Committee under the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 [14 of 2013].

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APPENDIX I

MEMORANDA/REPRESENTATIONS SUBMITTED TO GOVERNMENT

1.0 FERTILIZER PRICING AND SUBSIDY POLICY, PAYMENT AND GOVERANCE ISSUES

1.1 Industry Issues

1.1.1 DG, FAI made a presentation before the Secretary (Fert.) on 6th June, 2018 on concerns & challenges of fertilizer industry. The presentation included issues related to urea industry, P&K fertilizers and supply of natural gas and coal. Presentation also included issues related to GST, movement of fertilizers, payments under both DBT as well as other than DBT, and budget allocation.

1.2 Urea Policy

1.2.1 DG, FAI wrote a letter dated 8th June, 2018 to the Secretary (Fert.) requesting her kind intervention for extension of credit period by at least by 3 months by suppliers of natural gas to urea industry. This would help the industry to reduce the impact of mis-match in cash flow of urea units.

1.2.2 DG, FAI wrote a letter dated 13th June, 2018 to Additional Chief Secretary, Commercial, Government of Uttar Pradesh, requesting for exempting natural gas from levy of additional VAT for the benefit of farmers of Uttar Pradesh. Copy of this letter was also sent to the Principal Secretary, Finance, Government of Uttar Pradesh, Lucknow.

1.2.3 DG, FAI wrote a letter dated 2nd July, 2018 to the office of Hon'ble Minister of State for Chemicals & Fertilizers requesting his intervention for implementation of the Cabinet decision regarding revision in fixed cost. A copy of the FAI presentation made before the Standing Committee of Parliament on 22nd February, 2018, a statement depicting poor profitability and cash flow of urea industry and outstanding amount of subsidy were also submitted with the letter.

1.2.4 DG, FAI wrote a letter dated 6th July, 2018 to the Principal Secretary to the Hon'ble Prime Minister requesting for his kind intervention for implementation of the notified Cabinet decisions regarding revision in fixed cost and payment of dues of the industry from the date of notification. Similar letter was sent to the Cabinet Secretary. It was followed up with letters on 3rd August, 2018 and 13th December, 2018 to the Principal Secretary to the Hon'ble Prime Minister on this issue.

1.2.5 DG, FAI wrote a letter dated 30th August, 2018 to the Secretary (Fert.) requesting for allowing quarterly escalation/de-escalation to urea units on provisional basis.

1.2.6 DG, FAI addressed a letter dated 4th October, 2018 enclosing a note on urea pricing and subsidy policy to Dr. Vijay Kumar Saraswat, Member, NITI Aayog and Chairman, Expert Group looking into issues of energy norms and related aspects of urea policy.

1.2.7 DG, FAI sent a letter the Secretary (Fert.) on 5th October, 2018 for extension of time period of New Investment Policy 2012.

1.2.8 DG, FAI sent a letter dated 20th November, 2018 to the Secretary (Fert.) requesting for appropriate steps for ensuring uninterrupted supply of urea in the state after withdrawal of additional VAT on natural gas in Uttar Pradesh w.e.f. 14th November, 2018.

1.2.9 DG, FAI wrote a letter dated 17th December, 2018 to the Secretary (Fert.) regarding implementation of energy norms for 11 efficient urea units w.e.f. 1st April, 2018 vide DoF Notification No. 12012/1/2015-FPP dated 28th March, 2018. Copy of the letter was also sent to OSD and Secretary (Designate), Department of Fertilizers.

1.2.10 DG, FAI wrote a letter dated 28th December, 2018 to the Hon'ble Prime Minister of India regarding revision in fixed cost of urea units. Copy of the letter was also sent to the Principal Secretary to the Hon'ble Prime Minister and the Secretary (Fert.). Similar letters were also addressed to:

(i) Minister of Statistics and Programme Implementation and Minister of Chemicals & Fertilizers.

(ii) Hon'ble Minister of State for Chemicals & Fertilizers and Minister of State (Independent Charge), Planning.

In continuation to earlier letter dated 28th December, 2018, another letter dated 31st December, 2018 enclosing a brief write up on urea pricing policy and payment of increase in fixed cost for urea units (in English and



Hindi) were sent to (i) Minister of Statistics and Programme Implementation and Minister of Chemicals & Fertilizers and (ii) Hon'ble Minister of State for Chemicals & Fertilizers and Minister of State (Independent Charge), Planning.

1.2.11 DG, FAI wrote a letter dated 19th February, 2019 to the Secretary (Fert.) for increasing the period of working capital allowed in computation of cost under urea policy.

1.2.12 FAI sent the nominations and suggestions for term of reference of proposed Committee constituted by DoF on energy consumption norms for urea units to the Secretary (Fert.) on 26th March, 2019.

1.3 P&K Fertilizers

1.3.1 DG, FAI vide letter dated 18th January, 2019 requested the Secretary (Fert.) for opening of the iFMS system for one more time (last time) for the purpose of acknowledgement of remaining stocks of fertilizers by the wholesalers and retailers prior to DBT regime.

1.3.2 Single Super Phosphate

1.3.2.1 Some of the state governments had not certified the quantity and quality of SSP. DG, FAI vide letter dated 3rd August, 2018 to the Secretary (Fert.) seeking her intervention for settlement of subsidy bills and applicability of deemed certification of quantity and quality for SSP industry also.

1.3.2.2 As a follow up of the meeting held in DoF under the Chairmanship of the Secretary (Fert,) on 6th February, 2019, DoF constituted a Committee under the Chairmanship of Joint Secretary (PS). DG, FAI vide letter dated 8th February, 2019 to the Joint Secretary, DoF suggested the names of the committee members from the fertilizer industry to discuss the issues of preanalysis of Egyptian rock phosphate for production of SSP and freight subsidy to the industry.

1.4 Other Policy Related Issues

1.4.1 Issues Related to Freight

1.4.1.1 DG, FAI vide letter dated 25th February, 2019 addressed to the Secretary (Fert.) requested for his intervention in early resolution of the issues related to the freight such as payment of differential freight from 2008-09 onwards, notification of primary and secondary freight for urea for 2017-18 and 2018-19, revision in slab-wise primary road freight rates for P&K fertilizers from 2013 onwards and revision in special compensation for movement of P&K fertilizers in difficult areas from 2012 onwards.

1.4.2 Coastal Movement of Fertilizers

1.4.2.1 A representation dated 19th April, 2018 was made by DG, FAI to the Secretary (Fert.) requesting to take up the issues with the Ministry of Shipping to make the coastal shipping a viable proposition.

1.4.2.2 DG, FAI wrote a letter dated 29th June, 2018 to the Secretary, Ministry of Shipping requesting therein to do away with notional booking of labour, extension of facility of storage at port godown for 15 days without any charges and rebate of 60% in port dues to boost the coastal movement of fertilizers.

1.4.2.3 In response of DG, FAI letter dated 19th April, 2018 to the Secretary (Fert.), and earlier letter to the Secretary, Ministry of Shipping, the Ministry liberalized the cabotage law to allow the foreign vessels to carry domestic cargo in empty hatches from one port to other vide general order no. 3 dated 22nd June, 2018. However, vide para 12.3, the restriction of at least 50% of the total cargo quantity was imposed in the order. DG, FAI vide letter dated 3rd July, 2018 requested the Secretary, Ministry of Shipping for amendment in para 12.3 of the Order to a quantity of 4000 MT of fertilizers in place of 50%.

1.4.2.4 DG, FAI vide letter dated 27th September, 2018 requested the DoF to simplify the freight policy for coastal shipping both on entitlement and procedure for claiming subsidy.

1.5 Movement of P&K Fertilizers during the Months of February and March

1.5.1 DG, FAI vide letter dated 2nd January, 2019 to the Secretary (Fert.) requested for non-imposition of restrictions on movement of imported P&K fertilizers. For the first time after several years, DoF had included imported P&K fertilizers in the monthly supply plan of February & March, 2019.

1.6 Availability of Rakes

1.6.1 DG, FAI vide letters dated 8th June, 2018, 12th June, 2018 and 27th July, 2018 requested the Secretary (Fert.) to take up the matter with the Chairman, Railway Board to ensure the availability of rakes in time as the demand of fertilizers may be affected in some part of the country.

1.6.2 Further, DG, FAI vide letter dated 12th October, 2018 to the Secretary (Fert.) requested for her intervention for taking up the matter with the Ministry of Railways/Railway Board as the problem continued



to persist mainly at west-coast. Hon'ble Minister of Railways & Coal was also apprised by FAI vide latter dated 12th October, 2018.

1.7 Rail : Road Supply Coefficient of Fertilizers

1.7.1 DG, FAI wrote letters dated 19th April, 2018, 24th August, 2018 and 3rd January, 2019 to the Secretary (Fert.) and requested for removal of restriction on movement of fertilizers by road under 80:20 formula.

1.8 Monthly Movement Supply Plan

1.8.1 DG, FAI vide letter dated 24th August, 2018 requested the Secretary (Fert.) to dispense with monthly movement supply plan or raise the limit to 25% in excess of monthly plan quantity.

1.9 Digitalization of Subsidy Payment System

1.9.1 DG, FAI vide letter dated 8th January, 2019 requested the Secretary (Fert.) to dispense with the physical submission form of monthly on-account (zero amount claims for quantity certification), monthly freight claims, balance claims upto February, 2018 and differential freight claim and take the digitalization further.

2.0 DBT IN FERTILIZER SECTOR

2.1 DG, FAI vide letter dated 2nd May, 2018 to the Secretary (Fert.) requested for payment of dues to the industry in one week time after sale of fertilizers through POS machines to farmers, supplementation of manpower to resolve the system problems, amendment in FCO for making it mandatory for retailers to make sales only through PoS machines, and exemption of fertilizer industry from RBI circular dated 12th February, 2018.

2.2 DG, FAI wrote another letter on 30th May, 2018 to the Secretary (Fert.) underlining large number of operational problems, non-generation of bills and nonpayment of subsidy on weekly basis. It was also requested for revamp of the system at every stage with additional manpower.

2.3 DG, FAI vide letter dated 6th August, 2018 requested the Secretary (Fert.) for involvement of software companies enabling to provide a robust infrastructure for smooth operation of DBT system. It was also conveyed that FAI and its members will be happy to work with DoF to facilitate the development of a robust system.

2.4 DG, FAI vide letter dated 10th September, 2018

requested the Additional Secretary, DoF for his intervention in creation of link/functionality in mFMS/ iFMS enabling fertilizer companies to generate bills for escalation claims of Q1 to Q3 of 2017-18 for payment.

2.5 As there was no major improvement in DBT system, DG, FAI again raised various issues in DBT operation vide letter dated 18th October, 2018 to the Secretary (Fert.) and requested for involvement of a large software company for making the DBT system robust. It was also requested for mandatory requirement of sale only through PoS machines and allocation of additional budget and there should be a time line for transfer of subsidy directly in account of farmers.

2.6 DG, FAI vide letter dated 3rd January, 2019 to the Secretary (Fert.) requested that DoF may conduct a market survey to assess the ground level situation in different states and address the problem of anomaly both in the physical and system stocks and payment of subsidy on the stocks sold outside the system.

2.7 A representation was made by DG, FAI vide letter dated 2nd May, 2018 to the Secretary, Ministry of Agriculture & Farmers Welfare for amendment of FCO, 1985 to bring the sale of fertilizers through POS machine under the ambit of FCO, 1985.

3.0 BUDGET AND SUBSIDY PAYMENT

3.1 DG, FAI along with fertilizer industry members met Mr. Bibek Debroy, Chairman, Prime Minister's Economic Advisory Council and Member, NITI Aayog on 25th April, 2018. A letter was also sent on the same day for his intervention and support in addressing the urgent payment issues of the industry as per the notified government policies.

3.2 A letter dated 2nd May, 2018 was addressed by DG, FAI to the Secretary (Fert.) requesting to take up the issue with Ministry of Finance / RBI for suitable relaxation for financing of subsidy receivables by banks.

3.3 A letter dated 28th December, 2018 was written by DG, FAI to the Secretary (Fert.) on the issue of delay in disbursement of fertilizer subsidy. A copy of this letter was marked to the OSD and Secretary (Designate), Department of Fertilizers.

3.4 DG, FAI wrote a letter dated 28th December, 2018 to the Finance Secretary submitting industry's suggestions regarding allocation for fertilizer subsidy in Union Budget 2019-20.

3.5 DG, FAI wrote a letter dated 19th February, 2019 to the Secretary (Fert.) for increasing the period for financing of working capital by banks against subsidy receivables of fertilizer companies in view of inordinate



delay in payment of subsidy by the government.

4.0 GOODS & SERVICES TAX (GST)

4.1 DG, FAI sent a letter on 3rd April, 2018 regarding classification of imported fertilizers used in the manufacture of other fertilizers in 5% GST rate category to the Finance Secretary, Revenue Secretary and Secretary to the GST Council, New Delhi. A copy of this letter was also sent to the Secretary, Department of Fertilizers and Joint Secretary, Department of Revenue, GST Council for necessary action.

4.2 DG, FAI sent a letter dated 1st June, 2018 to the Secretary, Department of Fertilizers requesting a follow up the issue of classification of imported fertilizers used in the manufacture of other fertilizers at 5% GST rate. A copy of this letter was also addressed to Additional Secretary, Department of Fertilizers.

4.3 DG, FAI addressed a letter dated 4th June, 2018 to the Hon'ble Finance Minister, Government of India seeking refund of unutilized input tax credit in respect of input services under inverted tax structure. Similar letters were also addressed to the Secretary to the GST Council, Department of Revenue and the Secretary (Fert.).

4.4 DG, FAI wrote a letter on 29th June, 2018 to the Secretary (Fert.) inviting her attention to GST related issues of the fertilizer sector and requesting her to take up with the Ministry of Finance to ensure that these issues are considered and favorable decisions are taken in the next GST Council meeting. Similar letter was addressed to the Secretary, GST Council. This was followed up with another letter on 5th July, 2018.

4.5 DG, FAI addressed a letter dated 10th July, 2018 to the Secretary to the GST Council, Department of Revenue for taking up the GST related issues including refund of unutilized ITC arising due to exemption of fertilizer subsidy from levy of GST for consideration in the forthcoming GST Council meeting and issue of clear instructions to the field formations to avoid unnecessary litigations in this regard.

4.6 DG, FAI addressed a letter dated 18th July, 2018 to the Finance Secretary and Secretary to the GST Council on GST enclosing a presentation providing additional information on impact of higher GST rate on phosphoric acid used for manufacture of fertilizer. It was requested to take up this issue along with other pending issues for consideration in the forthcoming GST Council meeting in the larger interest of farmers and encouraging domestic manufacturing of fertilizers. 4.7 DG, FAI sent a representation on 17th September, 2018 to the Hon'ble Finance Minister seeking refund of unutilized input tax credit in respect of input services under inverted tax structure for fertilizer companies. Similar letter was addressed to the Secretary, GST Council, Department of Revenue.

4.8 DG, FAI addressed a letter dated 17th September, 2018 to the Secretary (Fert.) requesting to take up the industry issues related to GST with Finance Ministry and the GST Council at the appropriate levels to bring in parity between freight cost by rail and multimodal transportation of fertilizers by reducing the applicable GST rate for movement of fertilizers through multimodal transport to 5%. Similar letter was addressed to the Secretary GST Council and the Secretary, Ministry of Shipping.

5.0 ISSUES RELATED TO SUPPLY OF NATURAL GAS

5.1 FAI sent a letter to the Secretary (Fert.) on 30th April, 2018 requesting allocation of additional domestic gas to fertilizer sector. It was also requested to take up the matter with the Ministry of Petroleum and Natural Gas (MoPNG) and the Ministry of Finance.

5.2 FAI sent a letter to the Secretary (Fert.) on 12th June, 2018 on considering allocation of domestic natural gas to three fertilizer units in P&K sector viz. RCF, GSFC & DFPCL.

5.3 In response to the letter of Department of Fertilizers regarding reallocation of domestic natural gas amongst urea units, FAI in its submission to the Secretary (Fert.) and Additional Secretary (Fert.) on 6th August, 2018 informed that FAI had no comments on the DoF proposal. Similar letter was also sent to on 6th August, 2018.

5.4 FAI sent a letter to the Secretary (Fert.) on 1st November, 2018 and 26th November, 2018 regarding Final Initial Unit Natural Gas Pipeline Tariff under the Provisions of the PNGRB (Determination of Natural Gas Pipeline Tariff) Regulations, 2018. It was requested to take up the matter with the Petroleum and Natural Gas Regulatory Board (PNGRB) and MoPNG to minimize the impact of any increase in tariff of gas pipeline on fertilizer industry.

5.5 FAI sent a note to Vice Chairman, NITI Aayog on 20th November, 2018 on allocation and pricing of domestic natural gas.





5.6 FAI sent a letter to the Secretary, PNGRB on 23rd November, 2018 on proposed revision of tariff by GAIL. It was highlighted that the tariff should not be made applicable retrospectively as it has implications for fertilizer subsidy and taxation.

6.0 ISSUES RELATED TO SAFETY AND ENVIRONMENT

6.1 FAI sent comments on CPCB Guidelines for Continuous Emission Monitoring System June 2018, Revision 01 to Scientist D, Central Pollution Control Board (CPCB) on 29th June, 2018.

6.2 FAI sent a representation to the Member Secretary, CPCB on 4th July, 2018 on all issues in continuous monitoring including remote calibration of instruments and requesting meeting with concerned CPCB officials.

6.3 FAI sent comments on Guidelines for Continuous Effluent Monitoring System uploaded on the website to Member Secretary, CPCB on 25th July, 2018.

6.4 FAI vide letter dated 31st July, 2018 sent some more comments on CPCB Guidelines for Continuous Emission and Effluent Monitoring Systems to Member Secretary, CPCB.

6.5 FAI sent a letter to the Scientist E, CPCB on 23rd August, 2018 summarizing the discussions of meeting of CPCB officials with representatives of fertilizer industry held on 14th August, 2018 regarding Guidelines on Continuous Online Emission and Effluent Monitoring Systems.

6.6 FAI sent a representation to the Member Secretary, CPCB on 31st August, 2018 seeking exemption of monitoring of PM in emission from complex fertilizers till reliable technology is available.

7.0 ISSUES RELATED TO PUBLIC UTILITY SERVICE

7.1 FAI sent the letter to the Under Secretary (Coordination), Department of Fertilizers on 9th April, 2018 conveying the decisions of FAI Board on issue of Public Utility Service.

7.2 In response to the request from DoF, FAI on 2nd July, 2018 sent data on manpower labour union, strike etc. after collecting the same from the industry to the Under Secretary, Department of Fertilizers.

8.0 ISSUES RELATED TO ENERGY CONSERVATION AND TECHNOLOGY

8.1 FAI sent a representation to the DG, BEE on

17th August, 2018 underlining the technical and financial constraints in further improving the energy efficiency by fertilizer industry.

9.0 ISSUES RELATED TO COAL

9.1 FAI sent a letter to the Secretary (Fert.) on 27th December, 2018 requesting to take up the matter with Ministry of Railways for priority in movement of coal to fertilizer sector as per new coal distribution policy which provides equivalent priority to power and fertilizer sectors.

10.0 ISSUES RELATED TO PLASTIC WASTE MANAGEMENT (AMENDMENT) RULES 2018

10.1 FAI sent a representation to the Secretary (MoEFCC) on 18th April, 2018 to exempt fertilizer industry from collection of plastic bags under Plastic Waste Management Rules 2018, due to its alternative use by farmers and other section of society.

10.2 FAI sent a representation on Plastic Waste Management to the Secretary (Fert.) on 6th August, 2018 to take up the issue appropriately with the MoEFCC.

10.3 FAI sent a letter to the Member Secretary, CPCB on 22nd March, 2019 regarding reuse of fertilizer bags by farmers. It was informed that FAI would commission a study to understand the life cycle of plastic bags.

11.0 ISSUES RELATED TO UN RESOLUTION ON SUSTAINABLE NITROGEN MANAGEMENT

11.1 FAI sent letters on 8th March, 2019 to Secretary (Fertilizers), Secretary (MoEFCC) and Agriculture Commissioner (DAC&FW) to provide the contents of UN Resolution on Sustainable Nitrogen Management.

11.2 FAI sent letters on 25th March, 2019 to Secretary (Fertilizers), Secretary (MoEFCC) and Agriculture Commissioner (DAC&FW) requesting them to involve DoF, Ministry of Agriculture & Farmers' Welfare and fertilizer industry during discussion on sustainable nitrogen management as the issue has bearing on fertilizer and agricultural sectors.

12.0 ISSUES RELATED TO FCO

12.1 FAI sent a letter to the Joint Secretary (INM), DAC&FW on 10th July, 2018 mentioning that FAI is well equipped to provide training and equip the trainees with appropriate skills to enter the business of sale of fertilizers and other agri-inputs. Accordingly, FAI was included in the list of Institutes for providing certificate course of 15 days of retail dealers.



12.2 FAI sent a letter to the Joint Secretary (INM), DAC&FW dated 10th September, 2018 on the revised specifications of *neem* coated urea notified vide SO No. 1323(E) dated 22nd March, 2018. FAI underlined the need for a proper study in view of the complexity of analytical procedure including method for extraction of *neem* oil from *neem* coated urea and also the repeatability of procedure and results.

12.3 DG, FAI wrote a letter dated 4th February, 2019 to the Joint Secretary (INM), DAC&FW regarding revised specifications of NCU. It was reiterated that the specifications of meliacins content should be only for *neem* oil used for coating urea. Specifications for *neem* oil should be realistic keeping in mind the availability of *neem* oil in the market, reliability of analytical method, availability of standards for different meliacins, etc. He requested the Joint Secretary to take up the issue in the next CFC meeting as the deadline of enforcement of revised specifications of NCU was 22nd March, 2019.

13.0 International Code of Conduct for the Use and Management of Fertilizers

13.1 DG, FAI vide letter dated 25th September, 2018 to the Ambassador, Embassy of the Republic of India, Rome gave its observations on first draft of the "International Code of Conduct for the Use and Management of Fertilizers". DG stated that given the critical role of fertilizers for global food security, as well as the need to promote more efficient and balanced plant nutrition in order to reduce nutrient losses to the environment, FAI believes that the code has been too hastily prepared. A topic as important as plant nutrition requires a more thorough dialogue and consultation among multiple stakeholders from different regions and should aim to reflect a consensus and a joint commitment to dissemination and implementation. Contrary to the claim, this current draft does not reflect a consensus among stakeholders.

13.2 Although the on-line consultation in July did

significantly improve the Zero Draft, FAI still has a number of concerns about this First Draft, which is now already being submitted to the CoAg for final approval. The code remains full of repetitions, and insufficiently defined terms and as such is not conducive to a broad adherence from key constituencies.

13.3 He expressed that nutrient losses to the environment are caused by nutrient surpluses (nutrient input minus nutrient output) and are not simply resulting from nutrient application rates, as recognized in the Code of Conduct which refers to the important concept embodied in the "4Rs." Therefore, concepts pertaining to limits are misplaced because the best way to reduce nutrient losses is to keep surpluses below a reasonable limit to be defined at the national or local level. This requires sound soil tests, fertilizer recommendations and nutrient budgets rather than application limits. Addressing the outstanding issues and achieving a relevant document that will get the support of all the key stakeholders, deserves additional consultation before adoption.

14.0 **REGIONAL ISSUES**

14.1 FAI-SR addressed letters to the Directors of Agriculture of Tamil Nadu on 5th April, 2018, Karnataka on 17th April, 2018, Telangana on 30th May, 2018 and Kerala on 23rd July, 2018 and enumerated various operational problems of DBT in their respective states.

14.2 FAI-WR addressed a letter on 20th September, 2018 to Chief Freight Traffic Manager, Western Railway, Mumbai and requested to ensure availability of rakes for movement of fertilizers from plants/ports.

14.3 FAI-WR wrote a letter to the Director of Agriculture, Chhattisgarh requesting for acknowledgement of receipt of fertilizers in the district and certification of $B_1 \& B_2$ prior to DBT regime on 6th February, 2019.

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7 DECEMBER 2018 | HOLL PULLMAN











A GLIMPSE OF SOME EXHIBITORS' STALLS





















PRESS CONFERENCE

















APPENDIX II

FAI REPRESENTATION ON NATIONAL AND INTERNATIONAL BODIES

- 1. International Fertilizer Association (IFA), Paris, France
 - a) IFA Council
 - b) Technical & SHE Committee
 - c) Communications & Public Affairs Committee
 - d) Agriculture Committee
 - e) Production and International Trade Committee
 - f) Strategic Advisory Team
 - g) Working Group on Special Projects
- 2. Core Group for Model GTA, Petroleum and Natural Gas Regulatory Board, New Delhi
- 3. Bureau of Indian Standards, New Delhi
 - a) Environment Protection and Waste Management Sectional Committee, CHD 32
 - b) Solid Waste Management Sectional Committee, CHD 33
 - c) Environment Management Sectional Committee, CHD 34
 - d) Occupational Health and Safety Sectional Committee, CHD 08
 - e) Water Quality for Industrial Purposes Sectional Committee, CHD 13
 - f) Energy Management Sectional Committee, MED 39
 - g) Soil Quality and Fertilizers Sectional Committee, FAD 7
 - h) Biotechnology for Food and Agriculture Sectional Committee, FAD 23
 - Textile Materials Made from Polyolefins (Excluding Cordage) Sectional Committee, TX 23
- 4. Bureau of Energy Efficiency, New Delhi
 - a) Sectoral Committee & Sub-Committee on Fertilizer for Implementation of PAT in Fertilizer Sector.

- Central Pollution Control Board (CPCB) / Ministry of Environment and Forests – Taskforce, Committees and Technical Working Groups
- 6. Project Screening /Evaluation/Monitoring Committee of Technology Development Board (TDB), New Delhi
- National Steering Committee, Industrial Product Process Sector, TIFAC-TNA Project, Department of Science & Technology, New Delhi
- 8. FAO/ Fertilizer Organizations Working Group, Rome, Italy
- 9. Various Expert Groups and Committees of Ministry of Chemicals and Fertilizers, New Delhi
- 10. Central Fertilizer Committee and its Technical Committees, Ministry of Agriculture and Farmers Welfare, New Delhi
- 11. Rural Programmes Advisory Committee, All India Radio, New Delhi
- 12. Society for Promotion of Wasteland Development, New Delhi
- 13. Steering Committee of Indo-Canadian Potash Promotion Project, New Delhi
- 14. Scientific Advisory Committee TERI Deakin Nano Biotechnology Centre (TDNBC), Gurugram, Haryana
- 15. Board of Certified Crop Advisor Programme India conducted by American Society of Agronomy
- 16. Board of International Plant Nutrition Institute (IPNI), Norcross, USA
- 17. Railway Users' Consultative Committee of Eastern, Northern, Western and Southern Railways
- 18. State Fertilizer Advisory Committee and State Coordination Committee of Various States

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APPENDIX III

FAI PARTICIPATION IN CONFERENCES, SEMINARS, WORKSHOPS AND MEETINGS

- DG, FAI participated in the 24th Annual General Meeting of the Bangladesh Fertilizer Association held on 7th April, 2018 at Dhaka, Bangladesh
- 2. DG, FAI participated in the Argus Asia Fertilizer Conference held during 11-13 April, 2018 at Beijing, China and made a presentation on India Market Outlook for 2018.
- 3. DG and DDG, FAI participated in a meeting chaired by Secretary (Fert.) on 6th June, 2018 and DG, FAI made a presentation on various concerns and challenges of fertilizer industry.
- 4. DG, FAI participated in 86th IFA Annual Conference held during 18-20 June, 2018 at Berlin, Germany and made a presentation on Fertilizer Demand Forecast.
- 5. DG, FAI participated in 9th GPCA Fertilizer Convention held during 18-22 September, 2018 at Muscat.
- 6. DG, FAI participated in IFA Crossroads Asia-Pacific 2018 held during 23-25 October, 2018 at Singapore. He also participated in the roundtable on Shifting Landscape: Opportunities Amidst Uncertainties organized by Enterprise Singapore - a Government agency on 25th October, 2018 at Singapore and acted as a panelist in the Roundtable.
- DG, FAI participated and chaired a session in National Dialogue on Innovations for Promoting Balanced Application of Macro and Micro Nutrient Fertilizers in Indian Agriculture, jointly organized by International Plant Nutrition Institute (IPNI) and International Food Policy Research Institute (IFPRI) on 12th December, 2018 in New Delhi.
- 8. DDG, FAI participated in 2018 IFA Global Technical Symposium during 09-12 April, 2018 in Madrid, Spain. He also attended IFA Technical & SHE Committee meeting and annual meeting of IFA Phosphogypsum Working Group.
- DDG, FAI participated in National Crop Nutrition Summit 2018, organized by IMMA on 20th April, 2018 in New Delhi.

- 10. DDG, FAI and Additional Director (Agricultural Sciences) participated in National Crop Nutrition Summit 2018 on Importance of Balanced Nutrition in Crop and Human Health on 20th April, 2018 in New Delhi and DDG delivered a key note address in the Summit.
- 11. DDG, FAI participated in LNG Outlook 2018 organised by Shell on 2nd May, 2018 in New Delhi.
- 12. DDG, FAI presented a paper on Developments in Fertilizer Market in India in Global Specialty Fertilizer Convention (SFC Global 2018) organised by China National Chemical Information Centre during 14-15 June, 2018, Beijing, China.
- 13. DDG, FAI attended the high-level workshop on the Future of the Indian Gas Market on 3rd August, 2018 held at the Brookings India office, New Delhi.
- 14. Adviser, FAI participated in FAO Fertilizer Outlook Expert Group Meeting held during 10-12 September, 2018 at Rome, Italy and made a presentation on Demand Forecast.
- 15. Additional Director (Agricultural Sciences) participated in Roundtable Dialogue on Options and Investment Priorities for Conserving Natural Resources and Addressing Climate Change and Agricultural Pollution on 9th April, 2018 held at NASC Complex, New Delhi.
- 16. Additional Director (Agricultural Sciences), FAI participated in a workshop on Microbe-based Technologies for Soil Health and Plant Nutrition on 25th May, 2018 held at NASC Complex, New Delhi.
- 17. Additional Director (Agricultural Sciences), FAI attended Brainstorming Session on Holistic Strategy for Assessment of Soil Health held under the chairmanship of Secretary, DARE and DG, ICAR on 26th June, 2018 at NASC complex, New Delhi.
- 18. Additional Director (Agricultural Sciences) participated in TV programme on *Neem Lepit* Urea, telecast live under Hello Kisan on 22nd August, 2018.
- 19. Additional Director (Agricultural Sciences) participated in IPNI Research Cooperators Meet



2018 organized in collaboration with Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola during 2-3 November, 2018 at College of Agriculture, Nagpur, Maharashtra.

- 20. Additional Director (Agricultural Sciences) participated in National Dialogue on Innovations for Promoting Balanced Application of Macro and Micro Nutrient Fertilizers in Indian Agriculture, jointly organized by IPNI and IFPRI on 12th December, 2018, in New Delhi.
- 21. Additional Director (Agricultural Sciences) presented a paper on Developments in Fertilizer Sector (Futuristic Fertilizer Policy) in XIV Agricultural Science Congress, organized during February 20-23, 2019 held at NAAS Complex, New Delhi.
- 22. Additional Director (Agricultural Sciences) participated in Asian Soil Partnership of Food and Agricultural Organization (FAO) including Steering Committee meeting of Center of Excellence of Soil Research in Asia (CESRA), held during February 26-28, 2019 at NASC Complex, New Delhi.
- 23. Chief (Technical), FAI attended the 63rd Annual Safety in Ammonia Plants and Related Facilities Symposium organized by American Institute of Chemical Engineers during September 16-20, 2018 in Toronto, Canada.
- Chief (Technical), FAI attended the Indo-Topsoe 2018 Seminar on Ammonia Technology on 26th October, 2018 held at New Delhi.
- 25. RH-ER made presentations on Fertilizer and Raw Material Scenario in India in the training programmes for the agricultural officers of the Eastern Region organized by Regional Fertilizer Control Laboratory on 28th August, 2019 and 14th February, 2019 at Kalyani, West Bengal.
- 26. RH-SR made presentation on Fertilizer Policy, Scenario, Marketing, Distribution and Related Aspects in the Refresher Course for the officers of Department of Agriculture organized by the Regional Fertiliser Control Laboratory on 10th July, 29th August and 25th October, 2019 at Chennai.
- 27. FAI-WR officers acted as faculty in various training programmes organized by the industry, Regional Quality Control Laboratory, Navi Mumbai as well as various management institutes.

MEETINGS

- DG, FAI had meetings with Rao Inderjeet Singh, Minister of State for Chemicals and Fertilizers regarding reimbursement of increase in fixed cost of urea units on 28th December, 2018, 18th January, 2019, 7th February, 2019 and 11th February, 2019.
- DG, FAI had a meeting with Rao Inderjeet Singh, Minister of State for Chemicals and Fertilizers on 22nd March, 2019 and discussed with him various problems of the fertilizer sector including reimbursement of fixed cost of urea units.
- 3. DG, FAI met Mr. Nripendra Misra, Principal Secretary to Hon'ble Prime Minister to discuss urea pricing and subsidy policy on 24th July, 2018.
- DG, FAI participated in a meeting with Mr. Bibek Debroy, Chairman, Prime Minister's Economic Advisory Council and Member NITI Aayog regarding issues of fertilizer sector on 25th April, 2018.
- DG, FAI participated in a meeting chaired by Vice-Chairman, NITI Aayog regarding supply of gas on 20th November, 2018.
- DG, FAI met Prof. Ramesh Chand, Member, NITI Aayog on 18th October, 2018 and 9th January, 2019 and apprised him about the issues of the fertilizer sector.
- DG and DDG, FAI participated in 2nd meeting of the Expert Group constituted to give recommendations on Target Energy Norms to be achieved by urea units w.e.f. 1st April, 2025 and on other associated issues chaired by Dr. V.K. Saraswat, Member, NITI Aayog on 3rd October, 2018.
- 8. DG, FAI attended numerous meetings in the Department of Fertilizers (DoF), chaired by Secretary (Fert.) and other senior officers on the subject related to urea policy, NBS policy on P&K fertilizers, subsidy and freight payments, DBT and issues of SSP industry.
- 9. DG, FAI attended various meetings in the Ministry of Agriculture & Farmers Welfare including Central Fertilizer Committee (CFC) for the Fertilizer Control Order. He attended all the four CFC meetings held on 19th April, 2018, 14th September, 2018, 1st March, 2019 and 12th March, 2019 and provided valuable inputs.



- 10. DG, FAI met senior officers and Secretary (Expenditure), Ministry of Finance, to request provision of enough funds in the budget to meet the requirement of fertilizer subsidy for 2019-20, additional allocation for the current year and special banking arrangement.
- DG, FAI participated in a meeting chaired by Secretary (Fert.) regarding P&K issues on 17th April, 2018.
- DG, FAI participated in a meeting chaired by Joint Secretary, DoF to discuss various issues related to SSP Industry on 25th April, 2018.
- 13. DG, FAI met Secretary (Shipping) on 27th June, 2018 and discussed with him about the prospects of movement of fertilizers through coastal shipping/ inland waterways.
- 14. DG, FAI attended a meeting chaired by Secretary (Fert.) on issues of Fertilizer Industry on 3rd July, 2018.
- 15. DG, FAI participated in a meeting chaired by Joint Secretary (Sagarmala), Ministry of Shipping regarding discussion on enhancing the movement of fertilizers through coastal shipping/inland waterways on 19th July, 2018.
- 16. DG, FAI participated in a meeting chaired by Secretary (Fert.) regarding promotion of coastal movement of fertilizers on 6th August, 2018.
- 17. DG, FAI had meetings with Dr. Yogesh Suri, Advisor, Ministry of Planning on 29th August, 2018 and 11th September, 2018 and apprised him about the policy related issues of the fertilizer sector.
- 18. DG, FAI participated in a meeting chaired by Secretary (Fert.) regarding pending issues of the fertilizer sector on 11th October, 2018.
- 19. DG, FAI attended first meeting of Committee held on 13th November, 2018 under the chairmanship of Additional Secretary (INM), DAC&FW to examine the recommendation of Standing Committee on Agriculture. As per recommendations of the Standing Committee of Parliament, the Committee examined the impact of Chemical Fertilizers and Pesticides on Agriculture and Allied Sectors in the country and need for a regulatory authority in the Fertilizer Sector. Subsequently, Additional Director (Agricultural Sciences) attended the second meeting on 6th March, 2019 to discuss the draft report of the Committee.

- 20. DG, FAI attended a meeting chaired by Secretary, DAC&FW on 14th November, 2018 to discuss the problems being faced by customized fertilizer manufacturers in promoting the production and sale of customized fertilizers.
- 21. DG, FAI participated in a meeting chaired by Secretary (Fert.) with CMDs/MDs of fertilizer companies held at India Habitat Centre on 14th January, 2019.
- 22. DG, FAI participated in a meeting chaired by Secretary (Fert.) to discuss various issues related to SSP Industry on 6th February, 2019
- 23. DG, FAI participated in a meeting chaired by Secretary (Fert.) to discuss various issues related urea industry on 15th March, 2019.
- 24. DG, FAI participated in the 1st meeting of the Committee on Issues of SSP Industry chaired by the Joint Secretary, DoF on 22nd March, 2019.
- 25. DDG and Director (Marketing), FAI attended a meeting chaired by Additional Secretary, DoF on the issues/problems being faced in implementation of DBT by P&K fertilizers and SSP industry on 9th May, 2018.
- 26. DDG, FAI attended the stakeholders meeting for ESCOs development in India at Bureau of Energy Efficiency on 11th May, 2018.
- 27. DDG, Director (Marketing), Adviser and Chief (Marketing) FAI participated in a Video Conference for promotion of digital payment by fertilizer industry on 5th June, 2018 organized by Ministry of Electronics and Information Technology.
- 28. DDG, FAI attended a meeting on 10th August, 2018 organised by National Water Mission (NWM), Ministry of Water Resources on on State Specific Action Plan on Water. FAI developed a proforma on water availability/supply demand in fertilizer industry and provided the same to NWM.
- 29. DDG and Chief (Technical), FAI along with representatives of industry had meeting with CPCB representatives to discuss the issues related to Guidelines on Continuous Emission and Effluent Monitoring Systems at CPCB on 14th August, 2018.
- DDG and Director (Marketing), FAI attended a meeting on coastal shipping chaired by Additional Secretary (Shipping) on 10th September, 2018.



- 31. DDG, FAI attended the Lovraj Kumar Memorial Trust seminar on "Opportunities in Alternative Usage of Coal" at India International Centre, New Delhi on 8th February, 2019.
- Director (Marketing), FAI attended a meeting on progress on digital payments chaired by Economic Adviser, DoF on 20th July, 2018.
- 33. Director (Marketing), FAI attended meetings on mechanism for sale of fertilizers to mixture/ customized fertilizers manufacturers under DBT chaired by Economic Adviser, DoF on 28th August, 13th September and 19th September, 2018.
- Director (Marketing), FAI attended a meeting on coastal shipping chaired by Additional Secretary (Shipping) on 25th September, 2018.
- 35. Director (Marketing), FAI attended the meeting to review the progress of digital payments chaired by Economic Adviser, DoF on 24th October, 2018.
- Director (Marketing), FAI attended a meeting on Soil Health Cards chaired by Joint Secretary (INM), DAC&FW on 1st November, 2018.
- Director (Marketing), FAI attended a meeting on World Soil Day 2018 chaired by Joint Secretary (INM), DAC&FW on 5th November, 2018.
- 38. Director (Marketing), Chief (Marketing), Regional Heads (ER, SR, WR) and Officer-NR participated in the *kharif 2019* Zonal Conference for East, North-East, South, West and North zones at NASC complex, New Delhi on 5th February, 2019.
- 39. Director (Marketing), Chief (Marketing) and Regional Heads (SR & WR), FAI participated in the *rabi 2018-19* Zonal Conference for South and West zones on at NASC complex, New Delhi 4th September, 2018.
- 40. Director (Marketing), Chief (Marketing) and Regional Heads ER and Officer-NR, FAI participated in the *rabi 2018-19* Zonal Conference for East, North East and North zones at NASC complex, New Delhi on 6th September, 2018.
- 41. Additional Director (Agricultural Sciences) attended 56th meeting of CFC held on 19th April, 2018, under the chairmanship of Additional Secretary (INM) and 57th, 58th and 59th meetings of CFC on 14th September, 2018, 1st March, 2019 and 12th March, 2019 held under the chairmanship of Agriculture Commissioner, MOA&FW.
- 42. Additional Director (Agricultural Sciences)

attended a meeting taken by Joint Secretary (INM), DAC&FW on 4th May, 2018 on procurement of raw materials for production of customized fertilizes with POS.

- 43. Additional Director (Agricultural Sciences) attended the meeting convened by Chairman, Commission for Agricultural Costs and Prices (CACP) on 1st February, 2019 on formulation of price policy for *kharif* crops.
- 44. Additional Director (Agricultural Sciences) attended the meeting with Joint Secretary (INM), DAC&FW on 12th March, 2019 to discuss the terms of reference for the pilot study on *neem* coated urea analysis.
- Chief (Technical), FAI attended the 13th Meeting of Environment Protection Sectional Committee, CHD 32 at Bureau of Indian Standards on 17th April, 2018.
- 46. Chief (Technical), FAI attended the 2nd Steering Committee meeting to discuss the draft Energy Conservation Guidelines for Indian Industries at Bureau of Energy Efficiency on 6th July, 2018.
- 47. Chief (Technical), FAI attended the meeting to discuss and finalize the study on the outcome and evaluation of PAT Cycle-I conducted by Bureau of Energy Efficiency and CII on 26th July, 2018.
- Chief (Technical), FAI attended the 22nd Meeting of Environmental Management, CHD 34 along with its subcommittees and Panels at BIS on 31st July, 2018.
- 49. Chief (Technical), FAI attended the Stakeholder Consultation meeting for Roadmap of Sustainable and Holistic Approach to National Energy Efficiency (ROSHANEE) of Bureau of Energy Efficiency on 7th August, 2018.
- 50. Chief (Technical), FAI attended the 3rd, 4th and 5th meeting of Sub-committee of Bureau of Energy Efficiency on Fertilizer Sector under PAT Cycle II at BEE, New Delhi on 18th January, 7th February and 27th March, 2019, respectively.
- 51. Chief (Marketing) attended a meeting to examine and suggest the mechanism of sale of subsidized fertilizers to the mixture/customized fertilizers manufacturing units under DBT system chaired by Economic Advisor, DoF on 13th September, 2018.
- 52. Regional Heads, FAI regularly attended review meetings, pre-zonal conference meetings, state advisory committee, etc., organized by the State Departments of Agriculture of their respective regions.
- 56



APPENDIX IV

TRAINING PROGRAMMES/ORIENTATION COURSES HELD DURING 2018-19

S. No.	Name of Programme	Period N	Name of the City	No. of Participants	Inaugurated by			
COF	CORPORATE OFFICE							
1.	Workshop on Best Practices in Environment Management in Fertilizer Industry	9-11 May 2018	Bhubaneswar	33	Mr. Debidutta Biswal, IFS Member Secretary Odisha Pollution Control Board Bhubaneswar			
2.	Business Intelligence, Forecasts and Planning for the Fertilizer Sector	10-13 June 2018	Ramnagar	39	Mr Satish Chander Director General FAI, New Delhi			
3.	Fertilizer Industry Orientation Programme	4-6 July 2018	New Delhi	34	Mr. Satish Chander Director General FAI, New Delhi			
4.	Fertilizer Industry Orientation Programme	1-3 August 2018	New Delhi	30	Mr. Satish Chander Director General FAI, New Delhi			
5.	Group Discussion on Operation and Maintenance Problems of Ammonia Plants	6-8 September 20	18 Bathinda	56	Mr. Manoj Mishra Chairman & Managing Director NFL, Noida and Co-Chairman, FAI New Delhi			
6.	Training Programme for Senior Maintenance Engineers in Fertilizer Industry	17-22 February20	19 Gandhinagar	35	Dr. S. Nand Deputy Director General FAI, New Delhi			
7.	Fertilizer Logistics – Port Handling Operations and Coastal Shipping	6-9 March 2019	Gandhidham	63	Mr. Pramod A. Vasave Commissioner Goods and Services Tax, Kutch			
NOF	RTHERN REGION							
1.	Dealer Training Programme	4 May 2018	Kanpur	114	Mr. V.K. Tripathi Joint Director Agriculture Government of U.P.,Kanpur			
2.	Fertilizer Orientation Course	5 May 2018	Kanpur	126	Dr. Poonam Singh Dean, College of Agriculture CSAUA&T, Kanpur			
3.	Fertilizer Orientation Course	31 August 2018	Patiala	126	Dr. D.S. Ubha Principal GSSDGS Khalsa College, Patiala			
4.	Dealer Training Programme	1 September 2018	Patiala	82	Mr. Jasbir Singh Bains Director of Agriculture Government of Punjab SAS Nagar			



S. No.	Name of Programme	Period Na	me of the City	No. of Participants	Inaugurated by
5.	Challenges and Strategies for Fertilizer Industry	12 -15 September 2018	Kufri	66	Mr. Arun K. Gupta Managing Director HURL, New Delhi
6.	Fertilizer Orientation Course	11 January 2019	Deoria	172	Mr. Satish Chander Director General FAI, New Delhi
7.	Dealer Training Programme	12 January, 2019	Gorakhpur	84	Mr. Satish Chander Director General FAI New Delhi
8.	Challenges and Strategies for Fertilizer Industry	30 January - 2 February 2019	Jaisalmer	43	Mr. A.K. Jain Vice Chairman & CEO, KFCL Noida and Chairman, FAI-NR New Delhi
9.	Fertilizer Orientation Course	28 March 2019	Meerut	206	Dr. Gaya Prasad Vice Chancellor SVPUA&T, Meerut
EAS	STERN REGION				
1.	Dealer Training Programme	10 April 2018	Baharampur	45	Mr. Sanjoy Bhattacharjee Deputy Director of Agriculture(M&F) Government of West Bengal Kolkata
2.	Fertilizer Orientation Course	14 May 2018	Sabour	204	Dr. A.K. Singh Vice Chancellor, BAU, Sabour
3.	Dealer Training Programme	15 May 2018	Bhagalpur	60	Mr. B.B. Singh Vice President (CA&SC) IRC Agro Chemicals Pvt. Ltd. Kolkata
4.	DBT in Fertilizer Sector – Challenges and Opportunities	26 June, 2018	Ranchi	37	Swami Bhaveshananda Maharaj Secretary, Rama Krishna Ashram Morabadi, Ranchi
5.	DBT in Fertilizer Sector – Scope, Problems and Challenges	18 July 2018	Bankura	70	Mr. Debasis Dutta DBT State Coordinator, Kolkata
6.	DBT in Fertilizer Sector – Challenges and Future Prospects	20 August 2018	Bhubaneswar	39	Mr. Umesh Das Deputy Director of Agriculture(Q&C) Government of Odisha Bhubaneswar
7.	Specialty Fertilizer and its	17 September 2018	Kolkata	41	Mr. Sunil Sethy Managing Director PPL and ZACL,Gurgaon
8.	DBT in Fertilizer Sector and its Trouble Free Operation	10 November 2018	8 Kolkata	48	Dr. Kavitha Gotru Director (F&A and DBT) Department of Fertilizers New Delhi



S. No.	Name of Programme	Period N	ame of the City	No. of Participants	Inaugurated by
9.	Soil Health for Sustainable Agriculture – Issues and Strategies	22 January 2019	Guwahati	42	Mr. M.S. Manivannan, IAS Director of Agriculture Government of Assam,Guwahti
10.	Fertilizer Management Development Programme on Fertilizer Industry in India – Challenges & Way Forward	16-18 March 2019	Paradeep	39	Dr. H. Pathak Director ICAR - NRRI, Cuttack
WES	TERN REGION				
1.	Balanced Use of Fertilizers & Integrated Nutrient Management for Sustainable Agriculture	15 June 2018	Anand	100	Mr. Sanjay Prasad, IAS Additional Chief Secretary Department of Agriculture & Cooperation, Government of Gujarat Gandhinagar
2.	Dynamics of Fertilizer Marketing	26-29 September 2018	Goa	36	Mr. Levil Alfonso Joint Director of Agriculture, Goa
3.	Fertilizer Orientation Course	27 November 2018	Kolhapur	80	Dr. G.G. Khot Principal & Associate Dean College of Agriculture, Kolhapur
4.	Dealer Training Programme	28 November 2018	Kolhapur	84	Dr. G.G. Khot Principal & Associate Dean College of Agriculture, Kolhapur
5.	Dealer Training Programme	20 December 2018	Navsari	75	Dr. C.J. Dangaria Vice Chancellor, NAU, Navsari
6.	Fertilizer Orientation Course	21 December 2018	Navsari	173	Dr. M.K. Arvadia Dean N.M. College of Agriculture NAU, Navsari
7.	Dealer Training Programme	9 January 2019	Vidisha	67	Mr. P.K. Chokse Deputy Director of Agriculture Government of M.P., Vidisha
8.	Fertilizer Orientation Course	10 January 2019	Vidisha	40	Dr. I.M. Khan Dean College of Agriculture, Vidisha
9.	Fertilizer Orientation Course	5 February 2019	Raipur	50	Dr. S.S. Rao Dean College of Agriculture, Raipur
10.	Dealer Training Programme	6 February 2019	Raipur	66	Mr. C.B. Londhekar Joint Director of Agriculture Government of Chhattisgarh, Raipur
SOU	THERN REGION				
1.	National Seminar on Soil Health Governance through Integrated Nutrient Management	18 April 2018	Bangalore	54	Mr. S. Narayanan Director (Marketing) SPIC and Greenstar Fertilizers Limited and Chairman, FAI–SR Chennai
2.	Balanced Use of Nutrients through Specialty Fertilizers	18 May 2018	Gonikoppal	93	Mr. S. Narayanan Director (Marketing) SPIC and Greenstar Fertilizers Limited and Chairman, FAI–SR Chennai
3.	Soil Health Management	31 May 2018	Warangal	72	Dr. P. Raghuram Reddy Associate Director of Research RARS, Warangal



S. No.	Name of Programme	Period N	ame of the City	No. of Participants	Inaugurated by
4.	Fertilizer Orientation Course	26 June 2018	Trichy	183	Dr. C. Sekar Dean, IIAT, Kannanur
5.	Fertilizer Policy and Soil Health Governance	24 July 2018	Trivendrum	42	Mr. S. Narayanan Director (Marketing) SPIC and Greenstar Fertilizers Limited, Chennai and Chairman, FAI – SR, Chennai
6.	Fertilizer Orientation Course	28 August 2018	Jagtial	58	Dr. G. Padmaja Associate Dean Agriculural College, Jagtial
7.	INM for Sustaining Soil Health	29 August 2018	Polasa	114	Dr. S. Sai Prasad Divisional Agronomist Coromandel International Limited Vijayawada
8.	Specialty Fertilizers for Enhancing the Quality and Productivity of Crops	18 September 2018	Nandyal	81	Dr. M. Subba Rao Associate Director of Research RARS, Nandyal
9.	Need for Reforms in Fertilizer Policy	10-13 October 2018	3 Tuticorin	51	Mr. S.R. Ramakrishnan Whole Time Director SPIC, Tuticorin
10.	Workshop on Fertigation	27 November 2018	Reddipally	57	Dr. M. Subba Rao Associate Director of Research RARS, Nandyal
11.	Fertilizer Orientation Course	28 November 2018	Alamuru	124	Mr. P.V.K. Kishore Chairman Agriculture and Horticulture College Alamuru
12.	Integrated Nutrient Management – Need for Suitable Fertilizer Policy	15 December 2018	Bangalore	93	Dr. S. Rajendra Prasad Vice Chancellor University of Agricultural Sciences, Bangalore
13.	Fertilizer Orientation Course	3 January 2019	Perambalur	66	Dr. Avudainayagam Dean Institute of Agriculture and Rural Development, Perambalur
14.	Soil Health Governance through Integrated Nutrient Management	4 January 2019	Perambalur	96	Dr. V.E. Nethaji Mariappan Head Krishi Vigyan Kendra Perambalur
15.	Fertilizer Orientation Course	26 February 2019	Aswaraopet	126	Dr. C. Narendra Reddy Associate Dean Agricultural College, Aswaraopet
16.	Critical Role and Importance of Specialty Fertilizers in Balanced use of Nutrients	27 February 2019	Aswaraopet	108	Dr. C. Narendra Reddy Associate Dean Agricultural College, Aswaraopet
17.	Enhancing Farmer's income – Ways and Means	20 March 2019	Mudigere	96	Mr. S. Narayanan Director (Marketing) SPIC and Greenstar Fertilizers Limited and Chairman, FAI–SR Chennai
18.	Fertilizer Orientation Course	22 March 2019	Hassan	160	Dr. N. Deva Kumar Dean College of Agriculture, Hassan

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ACTIVITIES - CORPORATE OFFICE





ACTIVITIES - CORPORATE OFFICE







ACTIVITIES - REGIONAL OFFICE



















ACTIVITIES - REGIONAL OFFICE





APPENDIX V

FAI AWARDS FOR 2018

I. FAI GOLDEN JUBILEE AWARDS

1. BEST PRODUCTION PERFORMANCE AWARDS

A. Nitrogenous (Ammonia & Urea) Production Performance Fertilizer Plants

Joint Winners Indian Farmers Fertiliser Cooperative Limited, Phulpur-I and

Chambal Fertilisers and Chemicals Limited, Gadepan-I

Runner-Up Not Awarded

B. Phosphoric Acid Plants Winner Coromandel International Limited, Visakhapatnam

C. Complex (P₂O₅) Fertilizer Plants

Winner Paradeep Phosphates Limited, Paradeep

D. Single Super Phosphate Plants

Not awarded

E. Improvement in Overall Performance of a Company

Winner Shriram Fertilisers & Chemicals Limited, Kota (A Unit of DCM Shriram Limited)

2. BEST TECHNICAL INNOVATION AWARDS

Winner

Gujarat Narmada Valley Fertilizers & Chemicals Limited, Bharuch for their innovation "Solving Inherent Design Problem of Scaling in Equipments of CN Conversion, Lime Filtration & Ammonium Nitrate Evaporation Sections of Nitrophosphate Plant".

Runner-Up

Kribhco Fertilizers Limited, Shahjahanpur for their innovation "Development of Indigenous Indian Manufacturer as an Import Substitute of Pressure Reducing and De-superheating System (PRDS) Valve in Ammonia Plant".

II. ENVIRONMENT PROTECTION AWARDS

A. Nitrogenous Fertilizer Plants (including ammonia, urea and other straight nitrogenous fertilizer units)

Winner

Indian Farmers Fertiliser Cooperative Limited, Phulpur Joint Runner-Ups

Chambal Fertilisers and Chemicals Limited, Gadepan

and Indian Farmers Fertiliser Cooperative Limited, Kalol

B. NP/NPK Complex Fertilizer Plants with captive acids

Winner

Indian Farmers Fertiliser Cooperative Limited, Paradeep

C. NP/NPK Complex Fertilizer Plants without captive acids

Winner Gujarat State Fertilizers & Chemicals Limited, Sikka

D. Single Super Phosphate Plants

Winner Not Awarded

III. AWARD FOR EXCELLENCE IN SAFETY

Winners Rashtriya Chemicals & Fertilizers Limited, Thal Runner-Un

Indian Farmers Fertiliser Cooperative Limited, Kalol

IV. VIDEO FILM COMPETITION AWARDS

Winner

Krishak Bharati Cooperative Limited, Noida for the film एक नयी उडान - समुद्ध किसान

Runner-Up Adventz Agri Business, Gurugram for the film निर्णय

V. AWARD ON PRODUCTION, PROMOTION AND MARKETING OF BIOFERTILISERS/ORGANIC FERTILIZERS/CITY COMPOST

Winner

Narmada Bio-chem Limited, Ahmedabad

VI. FAI GOLDEN JUBILEE AWARD FOR INNOVATIVE WORK ON TRANSFER OF IMPROVED FARM TECHNOLOGIES

Winner

Indian Farmers Fertiliser Cooperative Limited, New Delhi.

VII. FAI AWARD ON APPLICATION OF INFORMATION AND COMMUNICATION TECHNOLOGY/ DIGITAL TRANSACTIONS IN AGRICULTURE

Winner

Adventz Agri Business, Gurgaon

VIII. AWARD ON PROMOTION AND MARKETING OF MICRONUTRIENTS IN INDIA

Winner

Indian Farmers Fertiliser Cooperative Limited., New Delhi



IX. FAI AWARD FOR EXCELLENCE FOR THE BEST WORK DONE IN THE FIELD OF NITROGEN MANAGEMENT FOR SUSTAINABLE CROP PRODUCTION

Winner

Dr. V. K. Singh, Division of Agronomy & Dr. B. S. Dwivedi, Division of Soil Science & Agricultural Chemistry, ICAR -IARI, Pusa Campus, New Delhi for their valuable contributions in the area of efficient nitrogen management for sustainable crop production through site-specific nutrient management (SSNM) and inclusion of legumes in intensive cropping systems.

X. FAI GOLDEN JUBILEE AWARD FOR OUTSTANDING DOCTORAL RESEARCH IN FERTILIZER USAGE

Winner

Dr. S.K. Kakraliya, Division of Agronomy, CCS Haryana Agricultural University, Hisar for his outstanding Doctoral Research on Participatory assessment of portfolios of climate smart agricultural practices for adapting rice-wheat cropping system to climate variability in Climate Smart Villages of Haryana.

XI. IPNI-FAI AWARD ON MANAGEMENT AND BALANCED USE OF INPUTS IN ACHIEVING MAXIMUM YIELD

Winner

Dr. M. C. Manna, Dr. R. H. Wanjari, Dr. Muneshwar Singh, Dr. Ashok K. Patra, ICAR- Indian Institute of Soil Science, Bhopal, M.P. & Dr. S. K. Chaudhari, NRM Division, ICAR, New Delhi for their outstanding contributions on impact of balanced fertilizer, manure and amendment on organic carbon pools and dynamics, carbon sequestration, soil health ultimately reflecting yield sustainability under different land use and management practices through basic and applied research under long-term fertilizer experiments in India.

XII. IZA-FAI AWARD ON PROMOTING THE USE OF ZINC IN INDIAN AGRICULTURE

Winners

Dr. S.S. Dhaliwal, Department of Soil Science, Punjab Agricultural University Ludhiana for his outstanding research and promotional work on enrichment of grains of maize, wheat, rice, oats and sugarcane with zinc application; field testing of innovative approaches for zinc fortification; and creating awareness on Zn nutrition.

XIII. BEST ARTICLE AWARDS

A. RASHTRIYA CHEMICALS AND FERTILIZERS LIMITED AWARDS IN PRODUCTION AND TECHNOLOGY

First Prize

Mr. A.K. Das, Mr. C.J. Shah, Mr. Piush Kumar and Mr. Darshan Shah, Krishak Bharati Cooperative Limited, Surat are awarded the FIRST PRIZE for their article **Resolution of Continuous Emissions Monitoring System Problems and**

Developing In-house Chemical for Silica Analyzer: Case Studies published in the October, 2017 issue of *Indian Journal of Fertilisers*.

Second Prize

Mr. E. Balu, Mr. E. Rajeshkumar and Mr. S. Ravichandran, Southern Petrochemical Industries Corporation Limited, Tuticorin are awarded the SECOND PRIZE for their article **Ameliorating Safety as an Idiosyncrasy in SPIC Fertilizer Complex** published in the June, 2018 issue of *Indian Journal of Fertilisers*.

B. SHRIRAM AWARDS IN MARKETING

First Prize

Mr. N.H. Kurane and Mr. Sanjay Arora, Rashtriya Chemicals and Fertilizers Limited, Mumbai are awarded the FIRST PRIZE for their article on **Feasibility of Digital Transaction in Fertilizer Sector** published in the September 2018 issue of *Indian Journal of Fertilisers*.

Second Prize

Dr. Srikantha Mohare, Smartchem Technologies Limited (100% Subsidiary of Deepak Fertilizers and Petrochemicals Limited), Pune is awarded the SECOND PRIZE for his article on **Increasing Role of Specialty Fertilizers in Indian Agriculture** published in the September 2018 issue of Indian Journal of Fertilisers.

C. DHIRU MORARJI MEMORIAL AWARDS IN AGRICULTURAL SCIENCES

First Prize

Dr. A.S. Panwar, Dr. M. Shamim and Dr. N. Ravisankar, ICAR-Indian Institute of Farming System Research, Modipuram, Meerut for their article Influence of Inter-annual Rainfall Variation on Nutrient Recycling and Sustainability of Integrated Farming Systems in Different Agroecosystems published in February, 2018 issue of *Indian Journal of Fertilisers*.

Second Prize

Dr. Tarunendu Singh and Mr. Yogendra Kumar, Indian Farmers Fertiliser Cooperative Limited., New Delhi for their article **Drip-fertigation for Ensuring Farmers' Profitability and Agricultural Sustainability** published in August, 2018 issue of *Indian Journal of Fertilisers*.

D. SHRIRAM KHAD PATRIKA AWARD (HINDI)

First Prize

Dr. Nitin N. Gudadhe, Dr. V.G. Bavalgave, Dr. Bhumika Tanden, Dr. Sejal Parmar and Dr. J.D. Thanki, N.M. College of Agriculture, Navsari Agricultural University, Navsari for their article on जैविक खेती: परिचय, सिद्धांत, महत्व, फायदे और जैविक प्रमाणीकरण published in May 2018 issue of *Khad Patrika*.

Second Prize

Dr. S. S. Rathore and Dr. Kapila Sekhawat, Division of Agronomy, ICAR-Indian Agricultural Research Institute (IARI), New Delhi for their article on खरीफ फसलों में संतुलित उर्वरक प्रबंध द्वारा अधिक फसल उत्पादकता और लाम published in June, 2018 issue of *Khad Patrika*.

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64th Annual Report 2018-19





FAI Best Production Performance Award – Nitrogenous (Ammonia) Fertilizer Plants Joint Winners : IFFCO, Phulpur-I & CFCL, Gadepan-I Mr. Mukul Srivastava, Sr. Executive Director, IFFCO-Phulpur, receiving the award



FAI Best Production Performance Award – Nitrogenous (Ammonia) Fertilizer Plants Joint Winners : CFCL, Gadepan-I & IFFCO, Phulpur-I Mr. P.C. Srinivasan, General Manager (Tech.), CFCL-Gadepan, receiving the award





FAI Best Production Performance Award – Phosphoric Acid Plants Winner : Coromandel International Limited, Visakhapatnam Mr. Sameer Goel, Managing Director, receiving the award

FAI Best Production Performance Award – DAP/NP/NPK Complex Fertilizer Plants Winner : Paradeep Phosphates Limited, Paradeep Mr. Ranjit Singh Chugh, Chief Operating Officer and Mr. Pranab Bhattacharyya, Chief General Manager (Operations), receiving the award



FAI Best Production Performance Award – Improvement in Overall Performance of a Company Winner : Shriram Fertilisers & Chemicals, Kota (A Unit of DCM Shriram Limited) Mr. Vinoo Mehta, President & Business Head (Fert. & Cement), receiving the award



FAI Best Technical Innovation Award Winner : Gujarat Narmada Valley Fertilizers & Chemicals Ltd., Bharuch Mr. R.T. Bhargava, OSD, receiving the award





FAI Best Technical Innovation Award Runner up : Kribhco Fertilizers Limited, Shahjahanpur Mr. O.P. Gupta, Managing Director & Mr. R.K. Chopra, Vice President (Works), receiving the award



FAI Best Environment Protection Award – Nitrogenous Fertilizer Plants Winner : IFFCO, Phulpur Mr. Mukul Srivastava, Senior Executive Director, receiving the award



FAI Best Environment Protection Award – Nitrogenous Fertilizer Plants Joint Runner ups : CFCL-Gadepan & IFFCO, Kalol Mr. Ravindra Pande, Senior Manager (Instrumentation), CFCL, Gadepan, receiving the award



FAI Best Environment Protection Award – Nitrogenous Fertilizer Plants Joint Runner ups : IFFCO, Kalol & CFCL-Gadepan Mr. D.G. Inamdar, General Manager, IFFCO-Kalol, receiving the award



FAI Best Environment Protection Award – NP/NPK Complex Fertilizer Plants with Captive Acids Winner:IFFCO-Paradeep Mr. A.K. Panda, Senior General Manager & Unit Head, receiving the award



FAI Best Environment Protection Award – NP/NPK Complex Fertilizer Plants without Captive Acids Winner : Gujarat State Fert. & Chem. Ltd., Sikka Mr. D.K. Gandhi, Sr. Vice President & Mr.D.B. Shah, Senior Vice President, receiving the award





FAI Award for Excellence in Safety Winner : Rashtriya Chemicals & Fertilizers Limited, Thal Mr. U.V. Dhatrak, CMD & Mr. R.P. Jawale, Executive Director (Thal), receiving the award



FAI Award for Excellence in Safety Runner up : IFFCO-Kalol Mr. D.G. Inamdar, General Manager, receiving the award



FAI Best Video Film Award Winner : KRIBHCO, Noida Mr. V.S. Sirohi, Marketing Director, receiving the award



FAI Best Video Film Award Runner up : Adventz Agri Business, Gurugram Mr. Harshdeep Singh, Vice President (Sales & Mktg.), receiving the award



FAI Award on Production, Promotion and Marketing of Biofertilizers, Organic Fertilizers, City Compost Winner: Narmada Bio-chem Limited, Ahmedabad Mr. Dinesh Patel, Managing Director, receiving the award



FAI Golden Jubilee Award for Innovative Work on Transfer of Improved Farm Technologies Winner : IFFCO, New Delhi Mr. Yogendra Kumar, Director (Marketing), receiving the award





FAI Award on Application of Information and Communication Technology/ Digital Transactions in Agriculture Winner: Adventz Agri Business, Gurugram Dr. K.K. Singh, General Manager (Agri. Business), receiving the award



FAI Award on Promotion and Marketing of Micronutrients in India Winner : IFFCO, New Delhi Mr. Rishi Pal, Senior Marketing Manager (UP) & Mr. S.K. Gadge, Senior Marketing Manager (Maharashtra), receiving the award



FAI Award for Outstanding Doctoral Research in Fertilizer Usage Winner : Dr. Suresh Kumar Kakraliya, Department of Agronomy, CCSHAU, Hisar, Haryana, receiving the award



FAI Award on Excellence for the Best Research Work done in the field of Nitrogen Management Winner : Dr. B.S. Dwivedi, Head, Division of Soil Science & Agril. Chemistry and Dr. V.K. Singh, Head, Division of Agronomy, ICAR-IARI, New Delhi, receiving the award



IZA-FAI Award on Promoting the Use of Zinc in Indian Agriculture Winner : Dr. S. S. Dhaliwal, Senior Soil Chemist, PAU, Ludhiana, receiving the award



IPNI-FAI Award for Best Research on Management and Balanced Use of Inputs in Achieving Maximum Yield Winner : Dr. M.C. Manna, Dr. R.H. Wanjari, Dr. Muneshwar Singh, Dr. Ashok K. Patra, ICAR-IISS, Bhopal and Dr. S.K. Chaudhari, ICAR, New Delhi Dr. M.C. Manna, Principal Scientist & HOD, receiving the award



AWARD WINNERS



Best Article Awards-Rashtriya Chemicals and Fertilizers Limited Awards in Production and Technology First Prize : Mr. A.K. Das, Mr. C.J. Shah, Mr. Piush Kumar & Mr. Darshan Shah, KRIBHCO, Surat Mr. A.K. Das, General Manager (Production), receiving the award



Best Article Awards-Rashtriya Chemicals and Fertilizers Limited Awards in Production and Technology Second Prize : Mr. E. Balu, Mr. E. Rajeshkumar & Mr. S. Ravichandran, SPIC, Tuticorin Mr. S. Ravichandran, Sr. Manager (Safety & Env.), receiving the award



Best Article Awards-Shriram Awards in Marketing First Prize : Mr. N.H. Kurane, Executive Director (Mktg.) and Mr. Sanjay Arora, Deputy General Manager (Mktg.) Rashtriya Chemicals & Fertilizers Limited, Mumbai, receiving the award



Best Article Awards-Shriram Awards in Marketing Second Prize : Dr. Srikantha Mohare, Executive Vice President and Head-NPD and R&D, Smartchem Technologies Ltd., Pune, receiving the award



AWARD WINNERS



Best Article Awards-Dhiru Morarji Memorial Award in Agricultural Sciences First Prize : Dr. A.S. Panwar, Dr. M. Shamim and Dr. N. Ravisankar, ICAR-IIFSR, Modipuram, Meerut Dr. A.S. Panwar and Dr. N. Ravisankar receiving the award



Best Article Awards-Dhiru Morarji Memorial Award in Agricultural Sciences Second Prize: Dr. Tarunendu Singh and Mr. Yogendra Kumar, IFFCO, New Delhi Dr. Tarunendu Singh, Manager (Agri. Services), receiving the award



Best Article Awards-Shriram Khad Patrika Award (Hindi) First Prize : Dr. Nitin N. Gudadhe, Dr. V.G. Bavalgave, Ms. Bhumika Tandel, Ms. Sejal Parmar and Dr. J.D. Thanki, N.M. College of Agriculture, Navsari Agricultural University, Navsari, Gujarat Dr. Nitin N. Gudadhe, Assistant Professor (Agronomy), receiving the award



Best Article Awards-Shriram Khad Patrika Award (Hindi) Second Prize : Dr. S.S. Rathore and Dr. Kapila Sekhawat, ICAR-IARI, New Delhi Dr. S.S. Rathore, Principal Scientist (Agronomy), receiving the award



AWARD WINNERS



Mr. H.S. Bawa receiving the U.S. Awasthi IFFCO Award for Life Time Achievement in the field of Fertilizer Industry for the year 2017-18 for his outstanding contribution to the growth and development of fertilizer industry in India



Dr. J. C. Katyal receiving the U.S. Awasthi IFFCO Award for Life Time Achievement in the Field of Agriculture Research and Development for the year 2017-18 for his outstanding work in advancement of agricultural sciences



FAI Life Time Achievement Award 2018 presented to Mr. D. Ramakrishnan, Secretary & Treasurer, FAI, New Delhi



APPENDIX VI

FAI PUBLICATIONS

CORPORATE OFFICE

REGULAR JOURNALS

1.	Indian Journal of Fertilisers	12 issues
2.	Fertiliser Marketing News	12 issues
3.	FAI Abstract Service	12 issues
4.	Khad Patrika	12 issues

ANNUAL PUBLICATIONS

1.	Annual Review of Fertiliser Production and Consumption 2017-18	September 2018
2.	Fertiliser Statistics – 2017-18	November 2018
3.	Specialty Fertiliser and Micronutrient Statistics -2017-18	November 2018
4.	Biofertiliser Statistics –2017-18	November 2018
5.	Pre-prints of FAI Seminar Papers – 2018	December 2018
6.	The Fertiliser (Control) Order 1985	February 2019

REGIONAL PUBLICATIONS

1.	EASTERN	- Newsletter	Monthly
		- State-wise, District-wise Statistical Bulletins	Monthly
		- Saar Samachar (Bengali)	Quarterly
		- Saar Batori (Assamese)	Quarterly
		- Saar Barta (Oriya)	Quarterly
		- Fertiliser & Agriculture Statistics	Annual
2.	NORTHERN	- Newsletter	Monthly
		- Fertiliser and Agriculture Statistics	Annual
3.	SOUTHERN	- Newsletter	Monthly
		- Fertiliser and Agriculture Statistics	Annual
4.	WESTERN	- Newsletter	Monthly
		- Fertiliser and Agriculture Statistics	Annual

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FAI PUBLICATIONS





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APPENDIX VII

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FAI ADVISORY/REGIONAL COMMITTEE MEETINGS 2018-19

Advisory (Committee	Chairman N	No. of Meeti he	ings eld
Agricultur	al Sciences	Mr. N. Sambasiva Rao, Managing Director, KRIBHCO, Noida		1
Environme	ent	Mr. K. Prabhakar Rao, Director (Works), MCFL, Mangalore		1
Informatio	n and Communications	Mr. Satish Chander, Director General, FAI, New Delhi		1
Marketing		Mr. V.S. Sirohi, Marketing Director, KRIBHCO, Noida		2
Policy, Fina	ance & Taxation	Mr. Satish Chander, Director General, FAI, New Delhi		1
SSP		Mr. Shailesh Khaitan, Chairman and Managing Director, KCFL	., Gurgaon	2
Technical		Mr. K.K. Kaul, Whole Time Director, DCM Shriram Ltd., New D	Velhi	1
Regional Committees				
East		Mr. Sunil Sethy, Managing Director, PPL & ZACL, Gurgaon		4
North		Mr. A.K. Jain, Vice Chairman & CEO, KFCL, Noida		1
South		Mr. S. Narayanan, Director (Marketing), Greenstar Fertilizers	Ltd., Chennai	4

Mr. S. Narayanan, Director (Marketing), Greenstar Fertilizers Ltd., Chennai 4 Mr. U.V. Dhatrak, Chairman and Managing Director, RCFL, Mumbai

.



APPENDIX VIII

ADVISORY COMMITTEES

1. Agricultural Sciences

Chairman

Mr. N. Sambasiva Rao Managing Director Krishak Bharati Cooperative Ltd. `KRIBHCO Bhawan' A 8-10, Sector-1, Noida - 201 301 Uttar Pradesh

Member

Dr. S. S. Ranade Chairman Ranadey Micronutrients Pvt. Ltd. 'Shrikrishna', Krishnakeval Nagar 1-A, Kondhwa Khurd, Pune – 411 048, Maharashtra

Dr. S.K. Chaudhari Assistant Director General (Soils & W.M.) Indian Council of Agricultural Research `Krishi Anusandhan Bhawan II' Room No. 112, Pusa Campus, IARI New Delhi - 110 012

Dr. A.K. Vyas Assistant Director General (HRM) Indian Council of Agricultural Research `Krishi Anusandhan Bhawan-II' Pusa Campus, IARI New Delhi - 110 012

Mr. V.S. Sirohi Marketing Director Krishak Bharati Cooperative Ltd. `KRIBHCO Bhawan' A 8-10, Sector-1, Noida - 201 301 Uttar Pradesh

Mr. Shailendra Singh Director Central Fertilizer Quality Control & Training Institute Ministry of Agriculture & Farmers Welfare NH-IV, Faridabad - 121 001 Haryana

Dr. Krishan Chandra Director National Centre of Organic Farming Sector 19, Hapur Road, Kamla Nehru Nagar Ghaziabad - 201 002, Uttar Pradesh Dr. S.K. Bansal Director Potash Research Institute of India Sector-19, Delhi-Gurgaon Road, Dundahera Gurgaon - 122 016, Haryana

Dr. M.L. Jat Senior Cropping Systems Agronomist International Maize and Wheat Improvement Centre (CIMMYT) CG Block, 'NASC Complex' Pusa, New Delhi – 110 012

Dr. Alok Adholeya Senior Director Biotechnology & Bioresources Division The Energy and Resources Institute (TERI) `Darbari Seth Block', IHC Complex Lodhi Road, New Delhi – 110 003

Mr. Mahadev Suvarna Associate Vice President & Business Head Coromandel SQM (I) Pvt. Ltd. 'Coromandel House' 1-2-10, Sardar Patel Road Secunderabad - 500 003, Telangana

Mr. N.H. Kurane Executive Director (Marketing) Rashtriya Chemicals & Fertilizers Ltd. 'Priyadarshini', Express Highway Sion, Mumbai - 400 022, Maharashtra

Mr. Yogendra Kumar Marketing Director Indian Farmers Fertiliser Cooperative Ltd. 'IFFCO Sadan' C-1, District Centre Saket Place, New Delhi - 110 017

Dr. Puneet Pachauri Assistant General Manager (Agronomy) Shriram Fertilisers and Chemicals `Kirti Mahal', 19, Rajendra Place New Delhi - 110 008

Dr. Naresh Prasad Deputy General Manager (Marketing Support & Development) Chambal Fertilisers & Chemicals Ltd. Corporate One, First Floor 5, Commercial Center, Jasola New Delhi - 110 025



Dr. Arun K. Nair Associate Vice President (Instt.) Nagarjuna Fertilizers & Chemicals Ltd. Nagarjuna Hills, Hyderabad - 500 082 Telangana

Dr. B.S. Dwivedi Head Division of Soil Science & Agricultural Chemistry ICAR-Indian Agricultural Research Institute New Delhi - 110 012

Dr. V.K. Singh Head, Division of Agronomy ICAR-Indian Agricultural Research Institute New Delhi - 110 012

Mr. S.P. Singh Senior General Manager (Agronomy) Grasim Industries Ltd. Unit - Indo Gulf Fertilisers C-32, 4th Floor, KRBL Building, Institutional Area Sector 62, Noida - 201301 Uttar Pradesh

Mr. Sohan Lal Executive Director (Marketing) National Fertilizers Ltd. A-11, Sector 24, Noida - 201 301 Uttar Pradesh

Dr. Bhisham Pal Chief Manager (E&S) Indian Potash Ltd. 'Potash Bhavan', 10-B, Rajendra Park Pusa Road, New Delhi - 110 060

Dr. K. K. Singh General Manager - Agri Services Zuari Agro Chemicals Ltd. 206, Tower A, 'World Trade Centre' S. No. 1/18, Opposite EON Free Zone Kharadi, Pune - 411 014 Maharashtra

Dr. Arvind K. Shukla Project Coordinator (Micronutrients) ICAR-Indian Institute of Soil Science Nabibagh, Berasia Road Bhopal - 462 038 Madhya Pradesh

Dr. A.S. Panwar Director ICAR-Indian Institute of Farming Systems Research Modipuram – 250 110 Meerut, Uttar Pradesh Dr. Ashok K. Patra Director ICAR-Indian Institute of Soil Science Nabibagh, Berasia Road Bhopal - 462 038, Madhya Pradesh

Mr. S. Narayanan Director (Marketing) Greenstar Fertilizers Ltd. 7th Floor, 'SPIC House' 88, Mount Road, Guindy Chennai – 600 032, Tamil Nadu

Dr. Srikantha Mohare Executive Vice President-Head R&D and NPD Smartchem Technologies Ltd. (A fully owned subsidiary of DFPCL) Sai Hira, Survey No.93, Mundhwa Pune – 411 036

Dr. Soumitra Das Director – South Asia, Zinc Nutrient Initiative International Zinc Association G1 & G5, Ground Floor, 'Allied Bhawan' Local Shopping Complex Community Centre, Pushp Vihar New Delhi – 110 062

Dr. Shashikant N. Bhende General Manager (Agronomy & K-Mag Product Development) Mosaic India Private Limited 11th Floor, DLF Cyber City, 'Building 8C' DLF Phase 2, Gurgaon - 122 002, Haryana

Dr. Jóska Gerendás Director K+S Fertilizers (India) Pvt. Ltd. Office No. 101, First Floor 'Marvel Alaina' Lane No. 5, Koregaon Park Pune - 411 001 Maharashtra

Dr. K. K. Singh Head, Agromet Advisory Services Divn. & Scientist 'G' India Meteorological Department Ministry of Earth Sciences Room No.503, 5th Floor, Satmet Building `Mausam Bhawan' Lodhi Road New Delhi – 110 003

Mr. Abhay Kumar Chairman Dayal Fertilizers Group Delhi Road, Partapur Meerut 250 103, Uttar Pradesh



2. Environment

Chairman

Mr. K. Prabhakar Rao Director (Works) Mangalore Chemicals & Fertilizers Ltd. P.B. No. 18, Panambur Mangalore - 575 010, Karnataka

Members

Mr. Srirup Sarkar Chief Engineer (Technical Services) Brahmaputra Valley Fertilizer Corp. Ltd. Namrup, P. O. Parbatpur - 786 623 District Dibrugarh, Assam

Mr. A.K. Bhargava Vice President (Works) Chambal Fertilisers & Chemicals Ltd. P. O. Gadepan - 325 208, District Kota Rajasthan

Mr. Arun P. Subramanian Associate Vice President (HSE, Fertilizer & SSP Business) Coromandel International Ltd. 'Coromandel House' 1-2-10, Sardar Patel Road Secunderabad - 500 003 Telangana

Mr. K.K. Sharma Whole Time Director (EHS) DCM Shriram Ltd. 5th Floor, 'Kanchenjunga Building' 18, Barakhamba Road New Delhi - 110 001

Mr. Bimal L. Goculdas Managing Director The Dharamsi Morarji Chemical Co. Ltd. 'Prospect Chambers', 317/21, Dr. D.N. Road, Fort Mumbai - 400 001 Maharashtra

Mr. Rajendra Sankhe Chief Operating Officer Grasim Industries Ltd. Unit - Indo Gulf Fertilisers P. O. Jagdishpur Industrial Area - 227 817 District Amethi, Uttar Pradesh

Mr. A.K. Sahni General Manager (O&M) Gujarat Narmada Valley Fertilizers & Chemicals Ltd. P. O. Narmadanagar - 392 015 District Bharuch, Gujarat Dr. Y.P. Singh Senior Vice President (Operation, Design, Maintenance & Fibre Unit) Gujarat State Fertilizers & Chemicals Ltd. P. O. Fertilizernagar - 391 750 District Vadodara, Gujarat

Mr. Ajay Kumar Gupta Assistant General Manager (Quality) Hindalco Industries Ltd. (Unit : Birla Copper) AT & P.O. Dahej - 392 130 District Bharuch, Gujarat

Mr. Birinder Singh Director (CRS) Indian Farmers Fertiliser Cooperative Ltd. 'IFFCO Sadan' C-1, District Centre, Saket Place New Delhi - 110 017

Mr. Sanjay G. Choudhary Head-Haldia Plant IRC Agrochemicals Private Ltd. Haldia - 721 606, Midnapore (W) West Bengal

Mr. Seshagiri Rao Kolli Head (Manufacturing) Jubilant Agri & Consumer Products Ltd. Plot No. 15, Knowledge Park - II Greater Noida - 201 306 Uttar Pradesh

Mr. Adesh Kumar Singh Assistant General Manager (Env. & QC) Kribhco Fertilizers Ltd. Village & Post Office: Piprola Shahjahanpur - 242 001, Uttar Pradesh

Mr. A.K. Das General Manager (Production) Krishak Bharati Cooperative Ltd. Hazira Fertilizer Complex P.O. KRIBHCO Nagar Surat - 394 515, Gujarat

Mr. H. Gunasekaran General Manager-Plant Madras Fertilizers Ltd. Manali, Chennai - 600 068 Tamil Nadu

Mr. B. Krishnappa Joint General Manager (EHS & QC) Mangalore Chemicals & Fertilizers Ltd. P.B. No.18, Panambur Mangalore - 575 010, Karnataka



Mr. A.K. Singh General Manager (Environment) Matix Fertilisers & Chemicals Ltd. Panagarh Industrial Park, Panagarh Purba Bardhaman – 713 169, West Bengal

Mr. R. Raghavan Senior Vice President (Urea Manufacturing) Nagarjuna Fertilizers & Chemicals Ltd. Nagarjuna Hills, Punjagutta Hyderabad - 500 082, Telangana

Mr. K.K. Goel General Manager (Technical) National Fertilizers Ltd. A - 11, Sector 24 Noida - 201 301, Uttar Pradesh

Mr. Pranab Bhattacharyya Chief General Manager (Operation) Paradeep Phosphates Ltd. PPL Township, Paradeep – 754 145 District Jagatsinghpur Odisha

Mr. A.K. Singh General Manager Projects & Development India Ltd. 'CIFT Building' Sindri - 828 122 District Dhanbad, Jharkhand

Mr. R.R. Kulkarni Deputy General Manager (F&S and Env.) Rashtriya Chemicals & Fertilizers Ltd. Thal Unit, Taluk Alibag - 402 208 District Raigad Maharashtra

Mr. Rajneesh Agrawal Associate Vice President-TS Smartchem Technologies Ltd. (A fully owned subsidiary of DFPCL) Plot K-1, MIDC Industrial Area Taloja A. V. - 410 208, District Raigad Maharashtra

Mr. P. Senthil Nayagam Deputy General Manager (Production) Southern Petrochemical Industries Corporation Ltd. SPIC Nagar, Tuticorin - 628 005 Tamil Nadu

Mr. Ramakrishnan N. Chief General Manager (PC) The Fertilisers and Chemicals Travancore Ltd. Eloor, Udyogamandal Kochi - 683 501, Kerala Mr. Raja Raman Chaudhary Head - EMC Yara Fertilisers India Pvt. Ltd. Indiradham, P.O. Babrala - 202 521 District Badaun, Uttar Pradesh

Mr. N.M. Kantak Chief Technical Officer Zuari Agro Chemicals Ltd. 'Jai Kisaan Bhawan' Zuarinagar - 403 726 Goa

3. Information and Communications

Chairman

Mr. Satish Chander Director General The Fertiliser Association of India `FAI House', 10 Shaheed Jit Singh Marg New Delhi - 110 067

Members

Dr. Naresh Prasad Deputy General Manager (Marketing Support & Development) Chambal Fertilisers & Chemicals Ltd. Corporate One, First Floor 5, Commercial Center, Jasola New Delhi - 110 025

Mr. Ashutosh Singh Additional General Manager Gujarat Narmada Valley Fertilizers & Chemicals Ltd. 'GNFC House', E-223, East of Kailash New Delhi – 110 065

Mr. S.P. Yadav Executive Director (Agri Business) Gujarat State Fertilizers & Chemicals Ltd. P.O. Fertilizernagar - 391 750 Vadodara, Gujarat

Dr. K. K. Singh Head, Agromet Advisory Services Divn. & Scientist 'G' India Meteorological Department Ministry of Earth Sciences Room no.503, 5th Floor, Satmet Building 'Mausam Bhawan', Lodhi Road New Delhi – 110 003

Mr. P. C. Paliwal Assistant Vice President (IT) Grasim Industries Ltd. (Unit: Indo Gulf Fertilisers) Jagdishpur Industrial Area - 227 817 Dist. Amethi, Uttar Pradesh



Mr. M. R. Patel Director (IT Services) Indian Farmers Fertiliser Cooperative Ltd. `IFFCO Sadan', C-1, District Centre Saket Place, New Delhi - 110 017

Ms. M. Nalini Additional General Manager (Accounts) Indian Potash Ltd. 3rd Floor, `Ambal Building' 727, Anna Salai, Chennai – 600 006, Tamil Nadu

Mr. Navneet K. Saxena Vice President Kanpur Fertilizers and Cement Ltd. JIIT Campus Sector-128, Noida – 201 304, Uttar Pradesh

Mr. I. A. Khan General Manager (Proj.) Krishak Bharati Cooperative Ltd. `KRIBHCO Bhawan' A 8-10, Sector-1, Noida - 201 301 Uttar Pradesh

Mr. Rohit Mathur General Manager Mosaic India Pvt. Ltd. `Building 8C', 11th Floor, DLF Cyber City Gurgaon – 122002, Haryana

Mr. Anil Motsara General Manager (Marketing) National Fertilizers Ltd. A-11, Sector-24 Noida – 201 301, Uttar Pradesh

Mr. Rajeev Sharma Senior Technical Director National Informatics Centre Ministry of Communications & IT A – Block, CGO Complex II Lodhi Road, New Delhi – 110 003

Ms. Manisha Narang Additional General Manager & HOD (PLG. & MR) Projects & Development India Ltd. 'PDIL Bhawan', A-14, Sector -1 Post Box No. 125 Noida –201 301, Uttar Pradesh

Mr. Sreekanth Chundi President & Head (Business Performance) DCM Shriram Ltd. 1st Floor, Kanchenjunga Building 18, Barakhamba Road New Delhi – 110 001

4. Marketing

Chairman

Mr. V.S. Sirohi Marketing Director Krishak Bharati Cooperative Ltd. `KRIBHCO Bhawan' A 8-10, Sector-1 Noida - 201 301, Uttar Pradesh

Members

Mr. Y.K. Goel General Manager (Marketing) Brahmaputra Valley Fertilizer Corporation Ltd. Namrup, P.O. Parbatpur - 786 623 District Dibrugarh, Assam

Mr. V.K. Gupta Vice President - Marketing Chambal Fertilisers and Chemicals Ltd. Corporate One' 1st Floor, 5, Commercial Centre Jasola, New Delhi - 110 025

Mr. Kalidas Pramanik Executive Vice President - Marketing (Fert. & Organic) Coromandel International Ltd. 'Coromandel House', 1-2-10, Sardar Patel Road Secunderabad - 500003 Telangana

Mr. S. Narayanan Director (Marketing) Greenstar Fertilizers Ltd. 7th Floor, 'SPIC House' 88, Mount Road, Guindy Chennai - 600 032, Tamil Nadu

Mr. Dileep Singh Chief Marketing Officer Grasim Industries Ltd. Unit - Indo Gulf Fertilisers C-32, 4th Floor, 'KRBL Building' Institutional Area, Sector 62 Noida - 201 301, Uttar Pradesh

Mr. K.K. Shah Officer on Special Duty Gujarat Narmada Valley Fertilizers & Chemicals Ltd. P.O.Narmadanagar, Bharuch - 392 015 Gujarat

Mr. S.P. Yadav Executive Director (Agri. Business) Gujarat State Fertilizers & Chemicals Ltd. P.O. Fertilizernagar - 391 750 Vadodara, Gujarat



Mr. Gaurav Saktavat Head (Fertilizer Marketing) Hindalco Industries Ltd. (Unit : Birla Copper) 'Aries House', 3rd Floor, Old Padra Road Vadodara - 390015 Gujarat

Mr. Yogendra Kumar Marketing Director Indian Farmers Fertiliser Cooperative Ltd. 'IFFCO Sadan', C-1, District Centre, Saket Place New Delhi - 110 017

Mr. Sudheer Relan General Manager (Marketing) Indian Potash Ltd. 'Potash Bhawan', 10-B, Rajendra Park Pusa Road, New Delhi - 110 060

Mr. B.B. Singh Vice President (SCM & Corporate Affairs) IRC Agrochemicals Private Ltd. P.S. Srijan Tech Park, DN-52 Unit No. A&B, 14th Floor Salt Lake, Sector V Kolkata - 700 091, West Bengal

Mr. C. Narasimha Reddy Vice President & BU Head - Agriculture Jubilant Agri and Consumer Products Ltd. Plot No. 15, Knowledge Park – II Greater Noida - 201 306, Uttar Pradesh

Mr. Rajeev Gupta Chief General Manager (Marketing) Kanpur Fertilizers & Cement Ltd. JIIT Campus Sector - 128, Noida - 201 304, Uttar Pradesh

Mr. T. Paul Premkumar General Manager (M&D) Madras Fertilisers Ltd. Manali - 600 068, Chennai, Tamil Nadu

Mr. A.K. Tiwari General Manager (Sales) Mangalore Chemicals and Fertilizers Ltd. No.28, Union Street, Off Cubbon Road Bangalore 560 001 Karnataka

Mr. Ashwani Sondhi Director (Marketing) MMTC Ltd. 'SCOPE COMPLEX', Core - I 7, Institutional Area, Lodhi Road New Delhi - 110 003 Mr. A. Nasara Reddy Senior Vice President (DSB) Nagarjuna Fertilizers and Chemicals Ltd. Nagarjuna Hills, Punjagutta Hyderabad - 500 082, Telangana

Mr. V.N. Datt Director (Marketing) National Fertilizers Ltd. A-11, Sector-24 Noida - 201 301, Uttar Pradesh

Mr. Harshdeep Singh Vice President (Sales & Marketing) Paradeep Phosphates Ltd. 3rd Floor, 28 Union Street Off Cubbon Road Bangalore 560 001 Karnataka

Mr. H.D. Ramsinghani Chairman and Managing Director Rama Phosphates Ltd. 51/52, `Free Press House' Nariman Point Mumbai - 400 021 Maharashtra

Mr. K.U. Thankachen Director (Marketing) Rashtriya Chemicals & Fertilizers Ltd. 'Priyadarshini' Eastern Express Highway, Sion Mumbai - 400 022 Maharashtra

Mr. Sanjay Chhabra President and Business Head (SFS) Shriram Fertilisers and Chemicals (A Unit of DCM Shriram Ltd.) 'Kirti Mahal', 19, Rajendra Place New Delhi - 110 008

Mr. Arvind Kulkarni Executive Vice President (Crop Nutrition Business) Smartchem Technologies Ltd. (A fully owned subsidiary of DFPCL) Sai Hira, Survey No. 93 Mundhwa, Pune - 411 036 Maharashtra

Mr. Bimal L. Goculdas Managing Director The Dharamsi Morarji Chemicals Company Ltd. 'Prospect Chambers' 317/21 Dr. D.N. Road, Fort Mumbai - 400 001, Maharashtra



Mr. D. Nandakumar Director Marketing The Fertilisers and Chemicals Travancore Ltd. P.B.No.14, Udyogamandal - 683 501, Kerala

Mr. Sanjiv Kanwar Managing Director Yara Fertilisers India Private Ltd. 502, Global Business Square, Plot No. 32 Sector-44, Gurgaon – 122 002, Haryana

Mr. J.M. Kaushik General Manager (Sales) Zuari Agro Chemicals Ltd. 206, Tower A, 'World Trade Centre' S.No.1/18, Opposite EON Free Zone Kharadi, Pune - 411 014, Maharashtra

5. Policy, Finance & Taxation

Chairman

Mr. Satish Chander Director General The Fertiliser Association of India `FAI House', 10, Shaheed Jit Singh Marg New Delhi - 110 067

Members

Mr. Birinder Singh Director (Corporate Services) Indian Farmers Fertiliser Cooperative Ltd. `IFFCO Sadan', District Centre Saket Place, New Delhi - 110 017

Mr. Atul S. Chhabra Head Taxation & Deputy General Manager (F&A) Indian Farmers Fertiliser Cooperative Ltd. `IFFCO Sadan', Saket Place New Delhi - 110 017

Mr. Rajan Chowdhary Finance Director Krishak Bharati Cooperative Ltd. `KRIBHCO Bhawan' A 8-10, Sector-1, Noida - 201 301 Uttar Pradesh

Mr. Rajiv Chandiok Director (Finance) National Fertilizers Ltd. A-11, Sector 24 Noida – 201301, Uttar Pradesh

Mr. Ashutosh Arora Chief General Manager (F&A) National Fertilizers Ltd. A-11, Sector 24, Noida - 201 301, Uttar Pradesh Mr. Sanjiv Kanwar Managing Director Yara Fertilisers India Private Ltd. 502, Global Business Square Plot No. 32, Sector 44, Institutional Area Gurgaon - 122 002, Haryana

Mr. Ashok Kumar Gupta Assistant Vice President (Prodn. & TS) Yara Fertilisers India Private Ltd. Indira Dham, Babrala Industrial Area - 243 751 District Sambhal, Uttar Pradesh

Mr. V.D. Nanavaty Executive Director (Fin. MSC, MS) & CFO Gujarat State Fertilizers & Chemicals Ltd. P.O. Fertilizernagar- 391 750 District Vadodara, Gujarat

Mr. D.V. Parikh General Manager & CFO Gujarat Narmada Valley Fertilizers & Chemicals Ltd. P.O. Narmadanagar - 392 015 District Bharuch, Gujarat

Mr. B.B. Singh Vice President (SCM & Corporate Affairs) IRC Agrochemicals Private Ltd. P.S. Srijan Tech Park, DN-52 Unit No. A&B, 14th Floor Salt Lake, Sector V, Kolkata - 700 091 West Bengal

Mr. Abhay Baijal Chief Financial Officer Chambal Fertilisers & Chemicals Ltd. 1st Floor, Corporate One Plot No. 5, Commercial Centre, Jasola New Delhi - 110 025

Ms. Jayashree Satagopan Chief Financial Officer Coromandel International Ltd. 'Coromandel House', 1-2-10, Sardar Patel Road Post Box No.1589 Secunderabad - 500 003, Telangana

Mr. T.K. Raghavan Senior Assistant Vice President (F) Coromandel International Ltd. 'Coromandel House', 1-2-10, Sardar Patel Road Post Box No.1589 Secunderabad - 500 003, Telengana

Mr. Anand S. Krishnan Assistant Vice President (Finance) Coromandel International Limited 'Coromandel House', 1-2-10, Sardar Patel Road Post Box No.1589, Secunderabad - 500 003 Telangana



Mr. V. Seshadri Vice President – Strategic Finance Zuari Agro Chemicals Ltd. Tower-A, 5th Floor, Global Business Park M.G. Road, Sector 26 Gurgaon - 122 022, Haryana

Mr. R.K. Gupta General Manager (F&A) Zuari Agro Chemicals Ltd. Tower-A, 5th Floor, Global Business Park M.G. Road, Sector 26 Gurgaon - 122 022, Haryana

Mr. Sailesh Pati Chief Financial Officer Paradeep Phosphates Ltd. `Bayan Bhawan' Pandit Jawaharlal Nehru Marg Bhubaneswar - 751 001, Odisha

Mr. R.M. Deshpande Executive Director Nagarjuna Fertilizers & Chemicals Ltd. Nagarjuna Hills, Punjagutta Hyderabad - 500 082, Telangana

Mr. T.M. Muralidharan Vice President (Finance) Mangalore Chemicals & Fertilizers Ltd. No.5, Crescent Road, High Grounds Bangalore - 560 001, Karnataka

Mr. P.C. Gupta Deputy General Manager (Finance) Brahmaputra Valley Fertilizer Corpn. Ltd. Namrup, P.O. Parbatpur - 786 623 District Dibrugarh, Assam

Mr. Vinoo Mehta President & Business Head (Fert. & Cement) DCM Shriram Ltd. Shriram Nagar, Kota - 324 004 Rajasthan

Mr. Aditya Jha Joint Vice President (Accounts) Shriram Fertilisers & Chemicals (A unit of DCM Shriram Ltd.) Shriram Nagar, Kota - 324 004 Rajasthan

Mr. Umesh Dongre Director (Finance) Rashtriya Chemicals & Fertilizers Ltd. `Priyadarshini', Eastern Express Highway Sion, Mumbai - 400 022 Maharashtra Mr. S. Shivakumar Chief Manager (CF) Rashtriya Chemicals & Fertilizers Ltd. 'Priyadarshini', Eastern Express Highway, Sion Mumbai - 400 022, Maharashtra

Mr. M.C. Bansal Chief Financial Officer Kribhco Fertilizers Ltd. `KRIBHCO Bhawan', A8-10, Sector-1 Noida - 201 301, Uttar Pradesh

Mr. M.C. Grover Chief Manager (F&A) Kribhco Fertilizers Ltd. `KRIBHCO Bhawan' A8-10, Sector-1, Noida - 201 301 Uttar Pradesh

Mr. R. K Rao Joint President (F&C) Hindalco Industries Ltd. (Unit: Birla Copper) Lakhigam, P.O. Dahej - 392 130 Taluka Vagra, District Bharuch Gujarat

Mr. R.K. Laddha Senior Vice President (F&C) Grasim Industries Ltd. Unit - Indo Gulf Fertilizers Jagdishpur Industrial Area – 227 817 District Amethi, Uttar Pradesh

Mr. Jitender Mishra Associate Vice President – F&A (Agri Business) Smartchem Technologies Ltd. (A fully owned subsidiary of DFPCL) Sai Hira, Survey No. 93, Mundhwa Pune - 411 036, Maharashtra

Mr. N. Srikanth General Manager (Finance) Smartchem Technologies Ltd. (A fully owned subsidiary of DFPCL) Sai Hira, Survey No. 93, Mundhwa Pune - 411 036, Maharashtra

Mr. K.V.B. Nair Chief General Manager (Finance) The Fertilisers & Chemicals Travancore Ltd. P.B. No.14, Eloor Udyogamandal - 683 501, Cochin, Kerala

Mr. K.R. Anandan Chief Financial Officer Southern Petrochemical Industries Corpn. Ltd. 'SPIC House', 88 Mount Road Guindy, Chennai – 600 032



Mr. J. Ravi Shankar Chief Financial Officer Greenstar Fertilizers Ltd. 'SPIC House', 88, Mount Road Guindy, Chennai – 600 032

Mr. V. Muralidharan General Manager (Finance) Madras Fertilizers Ltd. Manali, Chennai - 600 068 Tamil Nadu

Mr. Sudhir Rana Chief Financial Officer Kanpur Fertilizers & Cement Ltd. JIIT Campus, Sector-128 Noida - 201 304, Uttar Pradesh

Mr. Shashank Jain Chief General Manager Kanpur Fertilizers & Cement Ltd. JIIT Campus, Sector-128 Noida - 201 304, Uttar Pradesh

6. Single Super Phosphate

Chairman

Mr. Shailesh Khaitan Chairman & Managing Director Khaitan Chemical & Fertilizers Ltd. K-9/4, House No. 4, Road No. 9 DLF City Phase-II Gurgaon - 122 002, Haryana

Members

Mr. Shantilal T. Shah Vice Chairman Aarti Fertilizers Udyog Kshetra, 2nd Floor L.B.S. Marg, Mulund (W) Mumbai - 400 080, Maharashtra

Mr. Veenu Jain Managing Director BEC Fertilisers 31, 'Maker Chambers' 3rd Floor Nariman Point Mumbai - 400 023, Maharashtra

Mr. Shashikant Bhartia Chairman Basant Agro Tech (I) Ltd. Sea Lord A-1/3, Cuffe Parade Mumbai - 400 005, Maharashtra

Mr. Hemant Bohra Chairman and Managing Director Bohra Industries Ltd. 301, Anand Plaza, University Road Udaipur - 313 001, Rajasthan Mr. G. Srikrishna Managing Director Chemtech Fertilisers Pvt. Ltd. 303, 'Siri Estate', Nagarjuna Nagar Colony Hyderabad - 500 073, Andhra Pradesh

Mr. A.K. Srivastava General Manager Chambal Fertilisers and Chemicals Ltd. Corporate One, 1st Floor, 5 Commercial Centre Jasola, New Delhi - 110 025

Arun Leslie George Executive Vice President & Head of SSP Business Coromandel International Ltd. 'Coromandel House' 1-2-10, Sardar Patel Road Secunderabad - 500003, Telangana

Mr. Sudheer Relan General Manager (Marketing) Indian Potash Ltd. 'Potash Bhawan', 10-B, Rajendra Park Pusa Road, New Delhi - 110 060

Mr. B.B. Singh Vice President (SCM & Corporate Affairs) IRC Agrochemicals Private Ltd. P.S. Srijan Tech Park, DN-52 Unit No. A&B, 14th Floor Salt Lake, Sector V, Kolkata - 700 091 West Bengal

Mr. C. Narasimha Reddy Vice President & BU Head - Agriculture Jubilant Agri and Consumer Products Ltd. Plot No. 15, Knowledge Park - II Greater Noida - 201 306, Uttar Pradesh

Mr. H. Agnihotri President Khaitan Chemical & Fertilizers Ltd. ½, Old Palasia, Apollo Arcade, 3rd Floor Indore - 452 001 Madhya Pradesh

Mr. B.P. Raval Director Narmada Agro Chemicals Pvt. Ltd. 19-26, Udhyognagar Shardagram Road, Mangrol - 362 225 District Junagarh Gujarat

Mr. K.K. Jand Vice President (Marketing) Nirma Ltd. 'NIRMA House', Ashram Road, Near I.T.O Ahmedabad - 380 009 Gujarat



Mr. M.M. Sinha Additional General Manager & HOD (SSP & QC Audit) Projects & Development India Ltd. (A Govt. of India Undertaking) 'PDIL Bhawan', A-14, Sector -1 Noida - 201 301 Uttar Pradesh

Mr. H.D. Ramsinghani Chairman and Managing Director Rama Phosphates Ltd. 51/52, 'Free Press House', Nariman Point Mumbai - 400 021, Maharashtra

Mr. K.N. Kulkarni General Manager (SFS) Shriram Fertilizers & Chemicals (A Unit of DCM Shriram Ltd.) 19, Kirti Mahal, Rajendra Place New Delhi - 110 025

Mr. Hardev Singh Chairman and Managing Director Teesta Agro Industries Ltd. Mazabari, P.O. Rajganji District Jalpaiguri - 735 134 West Bengal

Mr. Bimal L. Goculdas Managing Director The Dharamsi Morarji Chemicals Company Ltd. 'Prospect Chambers', 317/21 Dr. D.N. Road Fort, Mumbai - 400 001 Maharashtra

Mr. R.K. Ganeriwala Vice President-Corp. Affairs & Secretary The Jayshree Chemicals & Fertilisers 'Industry House' 15th Floor 10, Camac Street Kolkata - 700 017 West Bengal

Mr. Suresh Bangur Executive Director The Phosphate Co. Ltd. 14, Netaji Subhash Road Kolkata - 700 001 West Bengal

Mr. Milind Akerkar Business Head Zuari Agro Chemicals Ltd. Global Business Park Tower-A, 5th Floor, M.G. Road Sector - 26, Gurgaon - 122 002 Haryana

7. Technical

Chairman

Mr. K.K. Kaul Whole Time Director DCM Shriram Ltd. `Kanchanjanga Building' 5th Floor, 18, Barakhamba Road New Delhi - 110 001

Members

Mr. Ashim Kumar Ghosh Director (Production) Brahmaputra Valley Fertilizer Corp. Ltd. Namrup Unit, P. O. Prabatpur - 786 623 District Dibrugarh, Assam

Mr. A.K. Bhargava Vice President (Works) Chambal Fertilisers & Chemicals Ltd. P.O. Gadepan - 325 208, District Kota, Rajasthan

Mr. Amir Alvi Executive Vice President & Head of Manufacturing Coromandel International Ltd. 'Coromandel House', 1 - 2 - 10, Sardar Patel Road Secunderabad - 500 003, Telangana

Mr. D.B. Shah Executive Director (Operation & Maintenance) Gujarat Narmada Valley Fertilizers & Chemicals Ltd. P. O. Narmadanagar - 392 015 District Bharuch, Gujarat

Dr. Y.P. Singh Senior Vice President (Operation, Design, Maintenance & Fibre Unit) Gujarat State Fertilizers & Chemicals Ltd. P. O. Fertilizernagar - 391 750 District Vadodara, Gujarat

Mr. Rajendra Sankhe Chief Operating Officer Grasim Industries Ltd. Unit - Indo Gulf Fertilisers P. O. Jagdishpur Industrial Area - 227 817 District Amethi, Uttar Pradesh

Mr. Nishit Dave Assistant Vice President (Fertilizer) Hindalco Industries Ltd. (Unit : Birla Copper), AT & P.O. Dahej District Bharuch - 392 130, Gujarat

Mr. A.K. Singh Director (CD&ESP) Indian Farmers Fertiliser Cooperative Ltd. 'IFFCO Sadan', C-,1 District Centre Saket Place, New Delhi - 110 017



Mr. C.S. Prasad Chief General Manager (Manufacturing) IRC Agrochemicals Private Ltd. Haldia, Midnapore (W) West Bengal - 721 606

Mr. R.K. Chopra Managing Director Kribhco Fertilizers Ltd. Village Piprola, Shahjahanpur – 242 001 Uttar Pradesh

Mr. M.R. Sharma Operations Director Krishak Bharati Cooperative Ltd. Hazira Fertilizer Complex P.O. KRIBHCO Nagar - 394 515 Surat, Gujarat

Mr. K. Prabhakar Rao Director (Works) Mangalore Chemicals & Fertilizers Ltd. P. B. No. 18, Panambur Mangalore - 575 010, Karnataka

Mr. U. Saravanan Chairman & Managing Director Madras Fertilizers Ltd. Manali, Chennai - 600 068, Tamil Nadu

Mr. Ajay Shankar Singh Head (Ammonia) Matix Fertilisers and Chemicals Ltd. Panagarh Industrial Park, Panagarh Purba Bardhaman – 713 169 West Bengal

Mr. R. Raghavan Senior Vice President (Urea Manufacturing) Nagarjuna Fertilizers & Chemicals Ltd. Nagarjuna Hills, Punjagutta Hyderabad - 500 082 Andhra Pradesh

Mr. K.K. Goel General Manager (Technical) National Fertilizers Ltd. A-11, Sector 24, Noida - 201 301, Uttar Pradesh Mr. Brij Deo Singh General Manager (Planning & MR) Projects & Development India Ltd. 'PDIL Bhawan', A-14, Sector 1 Noida - 201 301, Uttar Pradesh

Mr. Ranjt Singh Chugh Chief Operating Officer Paradeep Phosphates Ltd. P.O. PPL Township, Paradeep - 754 145 District Jagatsinghpur, Odisha

Mr. S. D. Panadare Director (Technical) Rashtriya Chemicals & Fertilizers Ltd. 'Priyadarshini' Eastern Express Highway Sion Mumbai - 400 022, Maharashtra

Mr. Vijay Joshi Executive Vice President (Operations) Smartchem Technologies Ltd. (A fully owned subsidiary of DFPCL) K-1, MIDC Industrial Area, District Raigad Taloja A.V. - 410 208, Maharashtra

Mr. E. Balu Plant Head Southern Petrochemical Industries Corporation Ltd. P.O. SPIC Nagar - 628 005 Tuticorin, Tamil Nadu

Mr. Ajith Kumar T.P. General Manager (OP) CD The Fertilisers and Chemicals Travancore Ltd. Eloor, Udyogamandal Kochi-683501, Kerala

Mr. S. Bhaskar Kumar Vice President (Manufacturing) Yara Fertilisers India Pvt. Ltd. Indira Dham, P. O. Babrala - 242 021 District Badaun, Uttar Pradesh

Mr. N.M. Kantak Chief Technical Officer Zuari Agro Chemicals Ltd. Jai Kisaan Bhawan Zuarinagar - 403 726, Goa

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APPENDIX IX

FAI MEMBERS (AS ON 31.03.2019)

ACTIVE MEMBERS

- Asian Fertilizers Limited P.W.D. Officers Colony Near Rastriya Sahara Press, Park Road Gorakhpur - 273 001 Uttar Pradesh
- 2 **BEC Fertilizers** (Unit of Bhillai Engg. Corp.Ltd.) Sector A, Sirgetti Industrial Area, Sirgetti Bilaspur - 495 004 Chattisgarh
- Bharat Agri Fert. & Realty Limited Bharat Fertiliser House
 12, Nanabhai Lane, Fort Mumbai - 400 023 Maharashtra
- Brahmaputra Valley Fertilizer Corporation Limited Regd. Office Namrup
 P.O. Parbatpur
 District Dibrugarh - 786 623
 Assam
- 5 Chambal Fertilizers and Chemicals Limited Corporate One First Floor, 5, Commercial Center, Jasola New Delhi - 110 025
- 6 **Coimbatore Pioneer Fertilizers Limited** P.O.Muthugoundanpudur Via Sulur, District Coimbatore - 641 006 Tamil Nadu
- 7 **Coromandel International Limited** 1-2-10, Sardar Patel Road Post Box No. 1589 Secunderabad 500 003 Telangana
- 8 DCM Shriram Limited (Unit : Shriram Fertilisers & Chemicals) 2nd floor (West Wing), World Mark 1 Aerocity, New Delhi - 110 037
- Grasim Industries Limited (Unit : Indo Gulf Fertilisers)
 P.O. Jagdishpur Industrial Area District Amethi - 227 817 Uttar Pradesh

- 10 **Greenstar Fertilizers Limited** SPIC House No. 88, Mount Road, Guindy Chennai - 600 032 Tamil Nadu
- Gujarat Narmada Valley Fertilizers & Chemicals Limited
 P.O. Narmada Nagar
 District Bharuch 392 015
 Gujarat
- Gujarat State Fertilizers & Chemicals Limited
 P.O. Fertilizernagar
 District Vadodara 391750
 Gujarat
- Hindalco Industries Limited (Unit : Birla Copper)
 3rd Floor, Aries House Near Hotel Siddharth Palace, Old Padra Road Baroda - 390 015 Gujarat
- Indian Farmers Fertiliser Cooperative Limited IFFCO Sadan
 C-1, District Centre, Saket Place
 New Delhi - 110 017
- Indian Potash Limited
 Potash Bhawan
 10-B, Rajendra Park, Pusa Road
 New Delhi 110 060
- 16 IRC Agrochemicals Private Limited 4th Floor, Emerald House
 1B, Old Post Office Street Kolkata - 700 001 West Bengal
- 17 Jubilant Agri and Consumer Products Limited Plot No. 15, Knowledge Park - II Greater Noida - 201 306 Uttar Pradesh
- 18 Kanpur Fertilizer and Cement Limited C/o Jaiprakash Associates Ltd. Jaypee Greens Wish Town Sector - 128 Noida - 201 304 Uttar Pradesh



- Khaitan Chemicals & Fertilizers Limited Apollo Arcade, 3rd Floor, 1/2, Old Palasia Opposite Palasia Police Station Indore - 452 018 Madhya Pradesh
- Kothari Industrial Corporation Limited Kothari Buildings
 114, M.G. Road, Nungambakkam Chennai - 600 034 Tamil Nadu
- Kribhco Fertilizers Limited
 4th Floor, KRIBHCO Bhawan
 A-10, Sector 1, District Gautam Budh Nagar
 Noida 201 301
 Uttar Pradesh
- 22 Krishak Bharati Cooperative Limited A8-10, Sector-1 District Gautam Budh Nagar Noida - 201 301 Uttar Pradesh
- 23 Krishna Industrial Corporation Limited Ramakrishna Building, 183, Mount Road Post Box No. 703 Chennai - 600 006 Tamil Nadu
- 24 **Madras Fertilizers Limited** Manali Chennai - 600 068 Tamil Nadu
- Mangalore Chemicals & Fertilizers Limited Level-11, UB Towers, UB City
 24, Vittal Mallya Road Bangalore 560 001 Karnataka
- Matix Fertilisers and Chemicals Limited Office No. 600, 6th Floor Martin Burn Business Park BP-3, Sector-V, Salt Lake Kolkata - 700 091 West Bengal
- 27 MMTC Limited
 Scope Building, Core-1
 7, Institutional Area, Lodhi Road
 New Delhi 110 003
- 28 **Nagarjuna Fertilizers & Chemicals Limited** Nagarjuna Hills Punjagutta Hyderabad - 500 082 Telangana

- 29 National Fertilizers Limited A-11, Sector-24 Distt. Gautam Budh Nagar Noida - 201 301 Uttar Pradesh
- 30 **Paradeep Phosphates Limited** OSHWCS Building Pandit Jawahar Lal Nehru Marg Bubhaneswar - 751 001 Orrisa
- 31 **Rama Phosphates Limited** 51-52, Free Press House Nariman Point, Mumbai - 400 021 Maharashtra
- 32 **Ranadey Micronutrients (Pvt.) Limited** Shrikrishna Krishnakeval Nagar 1/A,Kondhwa Khurd Pune - 411 048 Maharashtra
- Rashtriya Chemicals & Fertilizers Limited Priyadarshini
 Eastern Express Highway, Sion
 Mumbai - 400 022
 Maharashtra
- 34 Smartchem Technologies Limited (A fully owned subsidiary of DFPCL) Opposite Golf Course Jail Road Shastri Nagar Yeravada Pune - 411 006 Maharashtra
- 35 Southern Petrochemical Industries Corporation Limited
 SPIC House
 88, Mount Road, Guindy
 Chennai - 600 032
 Tamil Nadu
- 36 The Andhra Sugars Limited Post Box No. 102 Venkatarayapuram District West Godavari Tanuku - 534 215 Andhra Pradesh
- 37 The Dharamsi Morarji Chemical Co. Limited Prospect Chambers
 317/21, Dadabhoy Naoroji Road Mumbai - 400 001 Maharashtra



- 38 The Fertilisers and Chemicals Travancore Limited P.O. Udyogamandal Kochi Alwaye - 683 501 Kerala
- The Jay Shree Chemicals & Fertilisers Industry House, 15th Floor
 10, Camac Street Kolkata - 700 017
 West Bengal
- 40 **The Phosphate Company Limited** 14, Netaji Subhas Road, 3rd Floor Kolkata - 700 001 West Bengal
- 41 **The State Trading Corporation of India Limited** Jawahar Vyapar Bhawan Tolstoy Marg New Delhi - 110 001
- 42 Yara Fertilisers India Private Limited 502, Global Business Square Plot No.32, Sector-44 Gurgaon - 122 002 Haryana
- 43 **Zuari Agro Chemicals Limited** Jaikisaan Bhawan Zuarinagar - 403 726 Goa

ASSOCIATE MEMBERS

- 1 **a c t infraport Limited** Plot No. 391 & 392, Sector 1/A Near Mamlatdar's Office, Gandhidham Kachchh - 370 201 Gujarat
- Aarti Fertilizers

 (A Division of Aarti Industries)
 Plot No. 801, 801/23, GIDC Estate, Phase III
 District Valsad, Vapi 396 195
 Gujarat
- Abdullah Haji Rahimtula & Sons Pvt. Limited DCM Building, 3rd Floor Flat No.-3E, 16, Barakhamba Road New Delhi - 110 001
- 4 Adani Ports and Special Economic Zone Limited Adani Corporate House, Plot No.83 Institutional Area, Sector - 32 Gurgaon - 122 001 Haryana

- 5 Agrocel Industries Limited
 4th Floor, Doctor House
 Opposite G.K. General Hospital, Bhuj
 Kutch 370 001, Gujarat
- 6 **Ameropa India Private Limited** 215 Atrium, C-620/621, Chakala Andheri Kurla Road, Andheri East Mumbai - 400 059 Maharashtra
- Analyser Instrument Co. Pvt. Limited E-29 (A), Road No.2 Indraprastha Industrial Area Kota - 324 005 Rajasthan
- Andhra Pradesh State Co-operative Marketing Federation Limited
 5-2-68, 3rd Floor, Mahatma Gandhi Markfed Bhavan Jambagh Hyderabad - 500 095 Telangana
- Anshula Technological Engineering Consultants Pvt. Limited A 401/402, LEO Building (Formerly Kohinoor CHS) Plot No.479, T.P.S.III, 24th Road, Khar (West) Mumbai - 400 052 Maharashtra
- Anya Polytech & Fertilizers Private Limited B-243, Sector-26 (Basement) Noida - 201 301 Uttar Pradesh
- Arihant Fertiliser & Chemicals India Limited
 119, 1st Floor, Bansi Trade Centre
 585/5 M.G. Road, Dr.Roshan Singh Bhandari Marg
 Indore 452 001
 Madhya Pradesh
- 12 Armaco Chemical Process Systems Pvt. Limited A/6, Venus Nauroji Vakil Street, Nana Chowk, Grant Road (West) Mumbai - 400 007 Maharashtra
- Avana Logistek Limited
 301 & 302, 3rd Floor, Plot No.16 & 17
 Commercial Complex, Okhla Phase I
 New Delhi 110 020
- Baltic Testing India Private Limited Hubtown Viva Building, Suite No. 313/314, 3rd Floor, Shankarwadi, Western Express Highway Jogeshwari (East) Mumbai - 400 060, Maharashtra



- Basant Agro Tech (India) Limited
 95-96, 9th Floor, 'C' Wing,
 Mittal Court, Jamnalal Bajaj Marg, Nariman Point
 Mumbai 400 021
 Maharashtra
- Bharat Agro Molecule Limited
 E-34-36, Udyogpuram
 Partapur
 Meerut 250 103
 Uttar Pradesh
- Bhaskar Fertilisers Limited
 Door No. 18-1-343, Venugopal Nagar
 Opposite R.T.C. Bus Stand
 Anantapur 515 005
 Andhra Pradesh
- Bohra Industries Limited 301, Anand Plaza University Road Udaipur - 313 001 Rajasthan
- Borochemie (India) Pvt. Limited
 40-44A, Dheeraj Heritage, 4th Floor
 S.V. Road, Santacruz (West)
 Mumbai 400 054
 Maharashtra
- 20 CFI Technologies Private Limited AC Market, 9th Floor
 1, Shakespeare Sarani Kolkata - 700 071
 West Bengal
- 21 **Chembond Water Technologies Limited** Chembond Centre EL-71, Mahape MIDC, Navi Mumbai - 400 705 Maharashtra
- 22 Chemtech Fertilisers Pvt. Limited # 303, Siri Estate Nagarjuna Nagar Colony Hyderabad 500 073 Telangana
- 23 **Compo Expert India Private Limited** Tower – II, 108, World Trade Center Kharadi, Pune - 411 014 Maharashtra
- 24 **Coromandel SQM (India) Private Limited** Coromandel House 1-2-10, Sardar Patel Road Secunderabad - 500 003 Telangana

- 25 Cotecna Inspection India Private Limited (The Summit - Business Bay)
 Office No.213, 214 & 215, Behind Guru Nanak Petrol Pump, Opposite Cinemax
 Off. Andheri - Kurla Road, Prakashwadi
 Andheri (East)
 Mumbai - 400 069
 Maharashtra
- 26 **Crop Life Science Limited** Plot No.5165 GIDC Estate Near 66 KV Sub Station Ankleshwar - 393 002 Gujarat
- 27 **Crop Nutri Solutions (India) Private Limited** Flat No. : 2A, M.S. Nilayam, Plot No.15 HACP Colony, Kharkhana Secunderabad - 500 009 Telangana
- Dayal Fertilizsers (P) Limited
 Delhi Road, Partapur
 Meerut 250 013
 Uttar Pradesh
- 29 **Devdhar Chemicals Pvt. Limited** 5th Floor, Guardian Square Building CTS No.8/20, Plot No.6/20 Erandwane, Shankarrao Joshi Road (Hotel Nisarg Lane) Near Nal Stop, Pune - 411 004 Maharashtra
- 30 Dhanlakshmi Biochem Pvt. Limited Prahladnagar, Satellite Ahmedabad - 380 015 Gujarat
- 31 **Dhanuka Agritech Limited** 14th Floor, Building 5A Cyber City, DLF Phase III Gurgaon - 122 002 Haryana
- 32 **Diamond Shipbrokers Private Limited** C-318/319, 215 Atrium Andheri Kurla Road Andheri (East) Mumbai 400 059 Maharashtra
- 33 Dreymoor Fertilizers Overseas Pte. Limited 403, Suncity Business Tower Golf Course Road Sector - 54 Gurgaon - 122 002 Haryana



- 34 Ebara Machinery India Private Limited
 902, Bhumiraj Costarica, Sector 18
 Palm Beach Road, Sanpada
 Navi Mumbai
 Maharashtra 400 705
- 35 Eminence Shipping Agencies Private Limited Flat - 4D, 4th Floor, Embassy Building 4, Shakespeare Sarani, Kolkata - 700 071 West Bengal

36 FCI Aravali Gypsum & Minerals India Limited Mangu Singh Rajvi Marg Paota 'B' Road Jodhpur - 342 010 Rajasthan

- Fertis India Private Limited
 Plot No.73, SMR House, 3rd Floor
 Nagarjuna Hills, Panjagutta
 Hyderabad 500 082
 Telangana
- Frost International Limited
 Aria Tower, 3rd Floor, Commercial Block
 JW Marriott Hotel, Aerocity, Asset Area 4
 Hospitality District
 New Delhi 110 037
- 39 GDS Chemicals & Fertilizers Pvt. Limited Aska Road, Near Sarguna Street Berhampur, District Ganjam - 760 006 Odisha
- 40 Gemini Fertilizers
 Kothari Building
 114, Mahathma Gandhi Salai, Nungambakkam
 Chennai 600 034
 Tamil Nadu
- Geolife Agritech India Pvt. Limited 301, Marathon Max, LBS, Marg Opposite Nirmal Lifestyle, Mulund West Nagpur 440 018 Maharashtra
- Growell Resources & Management Pvt. Limited Bharat Insurance Building, 2nd Floor 15-A, Horniman Circle Fort Mumbai - 400 001 Maharashtra
- 43 Gujarat Agro Industries Corporation Limited Agro Service Division Khet Bhavan, Opposite Old High Court Navrangpura Ahmedabad - 380 014 Gujarat

- 44 Gujarat State Cooperative Marketing Federation Limited
 N.P. Patel Sahkar Bhavan
 49, Shrimali SO. Opposite Navrangpura Police Station
 Navrangpura
 Ahmedabad - 380 009
 Gujarat
- Haldor Topsoe India Pvt. Limited
 Vatika Mindscapes, Tower A, 3rd Floor
 12/3, Mathura Road (NH-2), Sector 27
 Faridabad 121 003, Haryana
- 46 Harshadray Private Limited
 610, Ansal Bhawan, 6th Floor
 16, Kasturba Gandhi Marg
 New Delhi 110 001
- 47 Haryana State Cooperative Supply and Marketing Federation Limited
 Hafed Complex
 Sector - 5, Panchkula - 134 114
 Haryana
- 48 HCM Agro Products Private Limited RR-29, 1st Floor, Miyan Wali Nagar Paschim Vihar New Delhi - 110 087
- Heavy Water Board Department of Atomic Energy, Vikram Sarabhai Bhawan, 5th Floor, Anushaktinagar Mumbai - 400 094 Maharashtra
- 50 HIL (India) Limited Scope Complex, 2nd Floor, Core-6 7, Lodi Road New Delhi - 110 003
- 51 **Hindustan Urvarak & Rasayan Limited** Core - I, 4th Floor, Scope Minar Laxmi Nagar, Delhi - 110 092
- 52 **Hindustan Zinc Limited** Yashad Bhawan Udaipur - 313 004, Rajasthan
- 53 HPM Chemicals and Fertilizers Limited 209-210, Anupam Bhawan Near Aakash Cinema, Azadpur Delhi - 110 033
- 54 ICL Fertilizers (India) Pvt. Limited 306, Tower A, Millennium Plaza Sector 27, Gurgaon - 122 002 Haryana



- 55 IFFCO-TOKIO General Insurance Co. Limited IFFCO Tower, 4th & 5th Floor Plot No.3, Sector-29 Gurgaon - 122 001 Haryana
- 56 IL & FS Environmental Infrastructure and Services Limited
 4th Floor, Dr. Gopaldas Bhavan
 28, Barakhamba Road, Connaught Place New Delhi - 110 001
- 57 Indian Agrochem Industries Pvt. Limited Plot No. B-13, MIDC Badlapur (E) Dist. Thane 421 503 Maharashtra
- 58 Indian Phosphate Limited
 F-234, 1E, Mewar Industrial Area
 Madri
 Udaipur 313 003
 Rajasthan
- 59 Indra Industries Limited 406, Airen Heights, Opposite Orbit Mall Behind Pakiza Showroom Indore - 452 010 Madhya Pradesh
- Inspectorate Griffith India Pvt. Limited 3rd Floor, Vasundhara Building 2/7, Sarat Bose Road Kolkata 700 020 West Bengal
- 61 **Intertek India Private Limited** F Wing, 1st Floor, Tex Center Chandivali Farm Road Chandivali, Andheri (E) Mumbai - 400 072 Maharashtra
- 62 **Ion Exchange India Limited** Ion House Dr. E. Moses Road, Mahalaxmi Mumbai - 400 011 Maharashtra
- 63 **ISGEC Heavy Engineering Limited** Yamunanagar - 135 001 Haryana
- 64 J.B. Boda Insurance Surveyors and Loss Assessors Pvt. Limited
 603, Ansal Chamber-II
 Bhikaji Cama Place
 New Delhi - 110 066

- 65 J. J. Consultants Pvt. Limited D-263, Defence Colony New Delhi - 110 024
- J.M. Baxi & Co.
 1006, 10th Floor, Mohandev Building
 13, Tolstoy Marg
 New Delhi 110 001
- 67 **Jaishil Sulphur and Chemical Industries** B Wing, 202/203 Pratik Industrial Estate Bhandup Goregaon Link Road Near Fortis Hospital Bhandup (W) Mumbai - 400 078 Maharashtra
- 68 **Johnson Matthey Catalysts** 11th Floor, C Block, Building No.8 DLF Cyber City, DLF Phase II Gurgaon - 122 002 Haryana
- 69 **Jyoti Consultants** B-79, Defence Colony Bhisham Pitamaha Marg New Delhi - 110 024
- K.C. Sharma & Co.
 16-Advance Appartment, Plot No.-134
 Ward 12-C, Lilashah Nagar, Gandhidham
 Kutch 370 201
 Gujarat
- K.P.R. Agrochem Limited
 8-256, Tata Nagar
 Balabhadrapuram
 District East Godavari 533 343
 Andhra Pradesh
- K+S Fertilizers (India) Pvt. Limited
 Office No.101, 1st Floor
 MARVEL ALAINA, Lane No.5, Koregaon Park

Pune 411 001 Maharashtra

- Kan Biosys
 917/17, Raveedeep, Ganeshkiadi
 Off F.C. Road, Prin. K.R. Kanitkar Path
 Pune 411 004
 Maharashtra
- 74 Karaikal Port Private Limited No.39, Chettinad Chambers, 5th Street 3rd Floor, R.K. Salai Near AVM Rajeshwari Marriage Hall Chennai - 600 004 Tamil Nadu



- 75 Karneet Enterprises (India) Pvt. Limited # 44/3, Fair Field Layout Race Course Road Bangalore - 560 001 Karnataka
- Kayavlon Impex Pvt. Limited
 2nd Floor, Vishwakarma Chambers
 Majura Gate, Ring Road
 Surat 395 002
 Gujarat

 KBR Engineering & Construction India Pvt. Limited 16th Floor, Tower A, Building No. 5
 DLF Cyber Terraces
 DLF Phase III
 Gurgaon - 122 002
 Haryana

- Key-Tech Engineering Company 301/302, Rajkailash, Plot No.-5B V.P. Road, Andheri (West) Mumbai - 400 058 Maharashtra
- 79 **Keytrade AG** India Liaison Office

B-260, Greater Kailash - I New Delhi - 110 048

- Khandelwal Distributors Pvt. Limited More Kothi, Gangapur Shyamganj Bareilly - 243 005 Uttar Pradesh
- 81 **Kohinoor Manure Factory** Triveni Sugar Mill Road Sheikhpura, Khatauli District Muzaffarnagar - 251 201 Uttar Pradesh
- Koppern Maco Services Pvt. Limited
 6C, Sukhsagar
 2/5, Sarat Bose Road
 Kolkata 700 020
 West Bengal
- Krishna Phoschem Limited
 5-O-2, Basement Office
 R.C. Vyas Colony
 Bhilwara 311 001
 Rajasthan
- Larsen & Toubro Limited Heavy Engineering Division
 32, Shivaji Marg New Delhi - 110 015

- Leon Inspection & Testing India Private Limited No.4, 3rd Floor, 5th Cross Street Dr.Radha Krishnan Salai, Mylapore Chennai, Tamil Nadu - 600 004
- Linde Engineering India Private Limited Linde House
 Opposite VUDA Office, VIP Road, Karelibaug, Vadodara - 390 018
 Gujarat
- 87 **Madhya Bharat Agro Products Limited** 5-0-1, Basement Office R.C. Vyas Colony Bhilwara - 311 001 Rajasthan
- 88 Maharashtra State Cooperative Marketing Federation Ltd.
 Kanmoor House
 P.B. No. 5080, Narsi Natha Street
 Mumbai 400 009
 Maharashtra
- 89 Manoir Petro India Limited

B-602, Universal Business Park Chandivali Farm Road Saki Vihar Road, Andheri (E) Mumbai - 400 072 Maharashtra

- 90 Manshya Marketing Pvt. Limited S.No. 49, Part Rajkumar Lodha Industrial Estate Vrindavan Nagar Lane No.3, Near Shatrunjay Mandir Gokul Nagar, Katraj, Kondhwa Road, Kondhwa BDK Pune - 411 048, Maharashtra
- 91 Marubeni India Private Limited
 5th Floor, Lotus Towers
 Community Centre, New Friends Colony
 New Delhi 110 025
- MECS India Private Limited
 81, 82, 83, 8th Floor, 2nd North Avenue
 Maker Maxity, Bandra-Kurla Complex, Bandra (East)
 Mumbai 400 051
 Maharashtra
- 93 Midgulf Services India Pvt. Limited 12th Floor, Pinnacle Mall, Plot No.3 Sector - 10, District Center Dwarka New Delhi - 110 075
- 94 Mitra S.K. Private Limited
 Shrachi Centre (5th Floor)
 74B, AJC Bose Road
 Kolkata 700 016, West Bengal



- 95 Mitsubishi Corporation India Pvt. Ltd.
 Birla Tower, 5th Floor
 25, Barakhamba Road
 New Delhi 110 001
- 96 **Morgan Industries Limited** 109, Mahathma Gandhi Road Nungambakkam Chennai - 600 034 Tamil Nadu
- Mosaic India Private Limited 11th Floor, Building 8C, DLF Cyber City, Phase II Gurgaon - 122 002 Haryana
- 98 Multiplex Bio-Tech Private Limited No.180, 1st Main Road Mahalakshmi Layout Bangalore - 560 086 Karnataka
- 99 Nagarjuna Agro Chemicals Private Limited #6-3-1219/24, 301 & 302, 3rd Floor Ujjwal Bhavishya Complex Above Karnataka Bank Ltd. Street No. : 4, Uma Nagar Kundan Bagh, Begumpet Hyderabad - 500 016 Telangana
- 100 Naq Global Private Limited
 Plot No 36,37, 5th Floor, SDC Vinay 1
 Moji Colony, Calgary Marg, Malviya Nagar
 Jaipur 302 017
 Rajasthan
- 101 Narmada Agro Chemicals Pvt. Limited 19-26, Udyognagar Shardagram Road District Junagarh Mangrol - 362 225 Gujarat
- 102 Narmada Bio-chem Limited Narmada Hous Plot No.252, TP No. 50, Near Sun Builders Sindhu Bhavan Road, Bodakdev Ahmedabad - 380 054 Gujarat
- 103 Narmada Phosphate Limited
 A-33, Priyadarshini Nagar
 (Just beside the street of Quality Restaurent)
 Vyapar Vihar, Road
 Bilaspur 495 001
 Chattisgarh

- 104 National Cooperative Development Corporation
 4, Siri Institutional Area
 Opposite Siri Fort, Hauz Khas
 New Delhi 110 016
- 105 Neelam Aqua & Speciality Chem Pvt. Limited H-337 (D), Road No.17 V.K.I. Area Jaipur - 302 013 Rajasthan
- 106 Nextnode Bioscience Private Limited
 607, Abhishree Avenue
 Opposite Hanumanji Temple, Nehrunagar
 Ambawadi
 Ahmedabad 380 015
 Gujarat
- 107 **Nico Orgo Manures** Opposite Railway Station Dakor - 388 225 Gujarat
- 108 **Nirma Limited** Nirma House Ashram Road, Near I.T.O. Ahmedabad - 380 009 Gujarat
- 109 OJSC Belarusian Potash Company 504, Suncity Business Tower Golf Course Road, Sector - 54 Gurgaon - 122 002 Haryana
- 110 **Orex Minerals Limited** 2/20/1, Azad Hind Nagar Haldia - 721 607, West Bengal
- 111 Ostwal Phoschem (India) Limited5-O-1, R.C. Vyas ColonyBhilwara 311 001, Rajasthan
- 112 Outokumpu India Private Limited 1104 - 1107, Ansal Tower 38, Nehru Place New Delhi - 110 019
- 113 Oxbow Energy Solutions BV India Liaison Office, 307, Block-4 Hiranandani Meadows, Off Pokharan Road No.2 Thane - 400 607 Maharashtra
- 114 P.I. Industries Limited
 5th Floor, Vipul Square,
 B-Block, Sushant Lok, Phase 1
 Gurgaon 122 009, Haryana



- 115 Peregrine Phosphate (P) Limited No.312, B Wing, 3rd Floor Mittal Tower, No.6, M.G. Road Bangalore - 560 001 Karnataka
- Poorti Agri Services Pvt. Limited 3rd Floor, Nishuvi Building Dr.A.B. Road, Worli Mumbai - 400 018 Maharashtra
- 117 Prima Equipment
 21, 3rd Floor, Lohana Building
 Raopura, Vadodara 390 001
 Gujarat
- 118 Privi Life Sciences Private Limited Privi House, A-71, TTC Industrial Area Thane Belapur Road Kapor Khairane Navi Mumbai - 400 709 Maharashtra
- 119 **Progressive Fertichem (P) Limited** Nizarapar, Jagi Road District Morigaon - 782 410 Assam
- Projects & Development India Limited
 P.O. Box No.125
 A-14, Sector-1
 Noida 201 301
 Uttar Pradesh
- 121 R.M. Phosphates & Chemicals Pvt. Limited T-3/1, Bhabhle Phata Phase II, MIDC Nardona District Dhule - 424 309 Maharashtra
- Raindia Chemicals Private Limited Regus, Office No.401 A 4th Floor, ABW Building Rectangle-1 Saket Commercial Complex-D4 Behind Saket Select City Mall, Saket New Delhi - 110 017
- 123 Rajasthan State Mines & Minerals Limited
 4, Meera Marg
 Udaipur 313 001
 Rajasthan
- 124 Rajeev Khanna Consulting Inc.E-4, Qutab Hotel ComplexShaheed Jeet Singh MargNew Delhi 110 016

- 125 Rallis India Limited
 156/157 Nariman Bhavan, 15th Floor
 227, Nariman Point
 Mumbai 400 021
 Maharashtra
- 126 **ReAgro International** 404, Star Tower Sector 30, Silokhera Gurgaon - 122 001 Haryana
- 127 Reliance Industries Limited Industrial Marketing, Building 5-C, 2nd Floor Reliance Corporate Park, Thane-Belapur Road Navi Mumbai - 400 709 Maharashtra
- 128 Rhodia Speciality Chemicals India Limited Phoenix House, A-Wing, 4th Floor
 462, Lower Parel (W) Mumbai - 400 013 Maharashtra
- Rio Tinto India Pvt. Limited
 21st Floor, Tower A, Building No.5
 Cyber Terrace, DLF Cyber City, DLF Phase III
 Gurgaon 122 002
 Haryana
- 130 Rishi Shipping Rishi House, Plot No. 113-116, Ward - 6, Industrial Area, Gandhidham Kutch - 370 201 Gujarat
- 131 Roshni Crop Sciences Private Limited #201, Sai Raja Nivas Krishnapuram Road No.10, Banjara Hills Hyderabad - 500 034
- 132 S.L.Dev & Co.
 75, Link Road
 Suite No.102, Lajpat Nagar III
 New Delhi 110 024

Telangana

- 133 Sabic India Pvt. Limited
 10th Floor, Ambience Corporate Towers II
 Ambience Island
 Gurgaon 122 001
 Haryana
- 134 Sai Fertilizers Private Limited21, Princep StreetKolkata 700 071West Bengal



- 135 Saipem India Projects Private Limited
 4, Yarlagadda Towers, 4th Lane
 Off Nungambakkam High Road
 Chennai 600 034
 Tamil Nadu
- 136 Samsung C&T Corporation India Private Limited 602B, Konnectus Building, Tower - 2 6th Floor, Bhavbhuti Marg, Near Minto Road Connaught Place New Delhi - 110 002
- 137 Sarat Chatterjee & Co. (Visakhapatnam) Pvt. Limited Shop No.10, Noble House Hotel Meridien, Janpath New Delhi - 110 001
- Scientific Agriculture Laboratory Private Limited 3/196, Natham Main Road Manthikulam Villakku, Karuvanur Post Madurai - 625 014 Tamil Nadu
- Seatrans Marine Private Limited ABIR KUNJ, 2nd Floor
 158, Rajdanga Naba Pally, (Besides HDFC Bank) Kolkata - 700 107 West Bengal
- 140 **Shail Info** B-053, Oakwood Estate DLF City, Phase-II Gurgaon - 122 002 Haryana
- Shiva Global Agro Industries Limited Near State Bank of India New Mondha Nanded - 431 602 Maharashtra
- Shree Pushkar Chemicals and Fertilisers Limited 404, Picasso Plaza, above Jyoti Restaurant Kondhawa Khurd Pune - 411 048 Maharashtra
- Shri Ram Solvent Extractions Private Limited Kashipur Road, Jaspur District Udham Singh Nagar - 244 712 Uttarakhand
- 144 Silverline Fertilisers Pvt. Limited No.12, Arunachala Apartment M.G. Road, Shastri Nagar Thiruvenmiyur Chennai - 600 041 Tamil Nadu

- 145 Sim Infosystems Private Limited No.11, 1st Cross Street Nehru Nagar, Kottivakkam Chennai 600 041 Tamil Nadu
- Sree Ramcides Chemicals Pvt. Limited No. 47 & 49, Bazulla Road
 ^{7th} Floor, VBC Solitaire, T. Nagar Chennai - 600 017 Tamil Nadu
- 147 Sriganesh Fertilizers & Chemicals Pvt. Limited Swastik Bhawan, 2nd Floor
 9/1, Manorama Ganj, A.B. Road Indore 452 001 Madhya Pradesh
- 148 **Subhashri Bio Energies Private Limited** 67, Goundampalayam (Village) Kumaramangalam Post, Tiruchengodu District Namakkal - 637 205 Tamil Nadu
- 149 Sud-Chemie India Pvt. Limited 401/402 - Office Block, DLF Place Plot : A-4, District Centre, Saket New Delhi - 110 017
- Sulphur Mills Limited
 604/605, 349-Business Point, 6th Floor
 Western Express Highway
 Andheri (E)
 Mumbai 400 069
 Maharashtra
- 151 Sun International Pvt. Limited
 7th Floor, Le Meridien Commercial Tower
 Raisina Road
 New Delhi 110 001
- 152 Sunland Projects Private Limited
 124-A, Motilal Nehru Road, 1st Floor
 Kolkata 700 029
 West Bengal
- 153 Swal Corporation
 Jayant Villa, Uniphos House
 Madhu Park, CD Marg
 11th Road, Khar (West)
 Mumbai 400 052
 Maharashtra
- 154 **T.J.Agro Fertilizers Pvt. Limited** A-2/3, J.K. Tower Near Grid, Kabilpore Navsari - 396 424 Gujarat



- 155 **Technip India Limited** Technip Centre No.19, Velachery Main Road, Guindy Chennai - 600 032 Tamil Nadu
- 156 Technology Development Board
 Wing A, Ground Floor, Vishwakarma Bhawan
 Shaheed Jit Singh Marg
 New Delhi 110 016
- 157 Tecnimont Private Limited Building No.-2, Plot No.504 Chincholi Bunder, Link Road, Malad (W) Mumbai - 400 064 Maharashtra
- 158 Teesta Agro Industries Limited
 P.O. Rajganj
 Distt. Jalpaiguri
 Jalpaiguri 735 134
 West Bengal
- 159 Tessenderlo Kerley India Private Limited A-303, Park View City - 1 Sector - 48, Sohna Road Gurgaon - 122 018 Haryana
- The Karnataka State Co-operative Marketing Federation Limited
 No.-8, Cunningham Road
 Post Box No. 130, Bangalore - 560 001
 Karnataka
- 161 The Kerala State Co-operative Rubber Marketing Federation Limited
 P.B. No.15, Gandhi Nagar
 Kochi - 682 020, Kerala
- 162 The Madhya Pradesh State Cooperative Marketing Federation Limited
 P.O. Jehangirabad
 Bhopal - 462 008
 Madhya Pradesh
- 163 The Maharashtra Agro-Industries Development Corporation Limited Rajan House, 3rd Floor Near Centur Bazar, Prabha Devi Mumbai - 400 025 Maharashtra
- 164 The Vidarbha Cooperative Marketing Society Limited
 Industrial Area,
 Model Mill Road, Ganeshpeth
 Nagpur - 440 018, Maharashtra

- 165 The West Bengal State Cooperative Marketing Federation Ltd.
 Southend Conclave, 3rd Floor, (KMDA Building) Opposite Siemens, 1582, Rajdanga Main Road Kolkata - 700 017
 West Bengal
- 166 Therapeutics Chemical Research Corporation 2nd and 3rd Floor, Shiv Industrial Estate K V Balmukund Marg, Chinchpokli (E) Mumbai - 400 012 Maharashtra
- 167 ThyssenKrupp Industrial Solutions (India) Private Limited
 Uhde House, Lal Bahadur Shastri Marg
 Vikhroli (W)
 Mumbai - 400 083
 Maharashtra
- 168 Toyo Engineering India Private Limited 214, Splendor Forum, Jasola District Centre Near Apollo Hospital New Delhi - 110 044
- 169 Tradex India Corporation Pvt. Limited C-15, Qutab Institutional Area New Delhi - 110 016
- 170 Trammo India Pvt. Limited Commodities Division Unit No.O-503 A, 5th Floor, Salcon Rasvilas D-1, District, Centre Saket New Delhi - 110 017
- 171 **Transworld Furtichem Private Limited** Office No.1802, The Affairs Sector - 17, Plot No. 09, Sanpada Navi Mumbai - 400 705 Maharashtra
- 172 **Trimex Industries Limited** Trimex Tower, No.1, Subbaraya Avenue C.P. Ramaswamy Road, Alwarpet Chennai - 600 018 Tamil Nadu
- 173 Tubacex Service Solutions India Private Limited 402 A, Platina, G-Block Bandra Kurla Complex, Bandra (East) Mumbai - 400 051 Maharashtra
- 174 **Universal Industries** B-8, Industrial Estate Bazpur Road Kashipur - 244 713 Uttarakhand



- 175 Universal Speciality Chemicals Pvt. Limited 502/A, Bezzola Complex Sion, Trombay Road, Chembur Mumbai - 400 071 Maharashtra
- 176 **Uralkali Trading SIA** 303, Eros Corporate Tower Nehru Place New Delhi - 110 019
- 177 Usashi Bio-Research Pvt. Limited
 594/1, Dakshindari Road, Bima Abasan
 Flat No. E-2/1,1th Floor, Post Office Sreebhumi
 Kolkata
 West Bengal 700 048
- 178 Vardhman Fertilizers & Seeds Pvt. Limited B-1, Vidha Cooperative Society 73/1, Erandwane Pune - 411 004 Maharashtra
- 179 **Varun Fertilizers Pvt. Limited** South Tukoganj Indore - 452 001 Madhya Pradesh
- Vasu Chemicals
 Opposite Blossom Soc., Military Road
 Marol, Andheri (E)
 Mumbai 400 059
 Maharashtra
- 181 VBC Fertilizers and Chemicals Limited 2nd Floor, Progressive Towers Khairatabad Hyderabad - 500 004 Telangana

182 Vedanta Limited Unit Sterlite Copper

Sipcot Industrial Complex, T.V. Puram P.O. Tuticorin - 628 002 Tamil Nadu

- 183 Vimal Organics Limited
 D-35, Bulandshahar Road
 Industrial Area
 Ghaziabad 201 009
 Uttar Pradesh
- 184 Wartsila India Pvt. Limited
 21, Kesar Solitaire
 Palm Beach Road, Plot No. 05
 Sector 19, Sanpada
 Navi Mumbai 400 705
 Maharashtra

OVERSEAS ASSOCIATE MEMBERS

- 1 Agrifields DMCC 705, JBC5, Jumeirah Lake Towers PO Box 111225 Dubai, UAE
- 2 **Agripower Australia Limited** Level 13, 20 Bridge Street Sydney NSW 2000, Australia
- Aries Fertilizers Group Pte Ltd.
 #10-10, 6 Shenton Way DBS Building Tower Two Singapore 068809
- 4 **Canpotex International Pte. Ltd.** 38, Beach Road, Phalaborwa 1390, Transval, # 17-13, South Beach Tower Singapore 189767
- 5 Cnampgc Holding Limited Corporation 13F, Entrance C, Global Finance & News Center No.1, Xuawumen Wai Avenue, Xicheng District Beijing 100052, China
- 6 **CRU International Ltd.** CRU, Chancery House 53-64, Chancery Lane London WC2A 1QS United Kingdom
- Foskor Ltd.
 P.O. Box 1
 Phalaborwa 1390, Transval
 Republic of South Africa
- 8 Haldor Topse A/S Jes Nikolaj Knudsen Nymollevej 55, DK-2800 KGS Lyngby, Denmark
 - **ICIS** Quadrant House The Quadrant, Sutton Surrey, 5M2 5A5 United Kingdom
- 10 ICL Fertilizers Potash House P.O.B. 75 Beer-Sheva, 84100, Isreal
- Indo Jordan Chemicals Co. Ltd.
 P.O. Box 17028
 Amman 11195, Al Rabia
 Al Rabia, Hashemite
 Kingdom of Jordan

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- 12 **Jordan Phosphate Mines Co. S.A.** P.O. Box No.30 Amman Jordan
- 13 **JSC NIIK** Russia, Nizhny Novgorod region Griboedov Street, 31, 606008 Dzerzhinok 606008 Russia
- Kalyaan Resources DMCC
 P.O. Box No.392089
 Platinum Tower, 1407, Jumeirah Lake Towers Dubai, U.A.E.
- Kisan International Trading FZE Emaar Business Park # 2
 Office EMO 562, Jebel Ali, P.O. Box 261835 Dubai, UAE
- 16 Koch Fertilizer Asia Pvt. Ltd.260 Orchard Road# 11, The HeerenSingapore 238855
- Ma'aden Phosphates Company P.O. Box 11110, Al-Jubail-31961 Kingdom of Saudi Arabia
- 18 OCP S.A.Direction Commerciale,Angle Route d E1 Jadida et Boulevard
 - Dela Grande Ceinture Casablanca, Morocco
- 19 Oman India Fertiliser Company S.A.O.C.P.O. Box No. 67, PC-411Sur, Sultanate of Oman

Active Members

- 1. M/s. Yara Fertilisers India Private Limited, Gurgaon (w.e.f. 1.4.2018)
- 2. M/s. IRC Agrochemicals Pvt. Ltd., Kolkata (w.e.f. 1.7.2018)

The following have been enrolled as members of FAI w.e.f. 1.4.2018.

Associate Members

- 1. M/s. Avana Logistek Limited, New Delhi
- 2. M/s. Compo Expert India Private Limited, Pune
- 3. M/s. Fertis India Private Limited, Hyderabad
- 4. M/s. Ion Exchange India Limited, Mumbai
- 5. M/s. Jaishil Sulphur and Chemical Industries, Mumbai
- 6. M/s. Kan Biosys, Pune
- 7. M/s. Leon Inspection & Testing India Private Limited, Chennai
- 8. M/s. Manshya Marketing Pvt. Ltd., Pune
- 9. M/s. Nextnode Bioscience Private Limited, Ahmedabad

- 20 **Qatar Fertiliser Co. (SAQ)** P.O. Box 50001 Umm Said-Qatar Arabian Gulf
- 21 **Quantum Fertilisers Ltd.** 2302A, Great Eagle Centre 23, Harbour Road Wanchai, Hong Kong
- 22 **Ruwais Fertilisers Industries (FERTIL)** Takreer Tower, ADNOC Group of Campanies Complex, Shaikh Khalifa Energy Complex) Corniche Road, P.O. Box 2288 Abu Dhabi, UAE
- 23 **Saf Sulphur Factory** P.O. Box 70482 Riyadh - 11567 Kingdom of Saudi Arabia
- Saudi Arabian Mining Company "Ma'aden"
 P.O. Box 68861
 Riyadh 11537
 Kingdom of Saudi Arabia
- Stamicarbon B.V. Mercator 3, 6135 KW Sittard.
 P.O. Box 53
 6160, AB Geleen The Netherlands
- The Arab Potash Company Ltd.
 P.O. Box 1470
 Amman 11118, Jordan
- 27 **UreaKnowHow.com** Cannerweg 123 6213 BA Maastricht The Netherlands



- 10. M/s. Tessenderlo Kerley India Private Limited, New Delhi
- 11. M/s. Usashi Bio-Research Pvt. Ltd., Kolkata

Overseas Associate Members

- 1. M/s. Agripower Australia Limited, Australia
- 2. M/s. Canpotex International Pte. Limited, Singapore

The following have been ceased to be members of FAI w.e.f. 1.4.2018.

Active Members

1. M/s. Tata Chemicals Limited, Noida

Associate Members

- 1. M/s. A2Z Infrastructure Limited, Gurgaon
- 2. M/s. Agro Phos (India) Ltd., Indore
- 3. M/s. Arcad Fertilizers Pvt. Ltd., Mumbai
- 4. M/s. Archean Chemical Industries Private Limited, Chennai
- 5. M/s. Central Glass Company India Private Limited, Gurgaon
- 6. M/s. Chakradhar Chemicals Pvt. Ltd., Muzaffarnagar
- 7. M/s. Continental Profiles Ltd., Faridabad
- 8. M/s. Dynamic Sales Service International Pvt. Ltd., New Delhi
- 9. M/s. ELGI Sauer Compressors Ltd., Combatore
- 10. M/s. Freight Investor Services Private Limited, Navi Mumbai
- 11. M/s. Gauri Impex, New Delhi
- 12. M/s. Intertrade Services, New Delhi
- 13. M/s. Lahari Fertilizers & Agro Industries Pvt. Ltd., Nagpur
- 14. M/s. Lokmangal Bio-Tech Pvt. Ltd., Solapur
- 15. M/s. Louis Dreyfus Company India Pvt. Ltd., Gurgaon
- 16. M/s. Madhyabharat Phosphate Private Limited, Bhopal
- 17. M/s. Maruti Fertochem Ltd., Aurangabad
- 18. M/s. Prayon S.A., New Delhi
- 19. M/s. Rabo India Finance Private Limited, Gurgaon
- 20. M/s. Spraygro Kesiraju India Private Limited, Hyderabad
- 21. M/s. SRK Chemicals Ltd., Kutch
- 22. M/s. Sumitomo Corporation India Pvt. Ltd., Mumbai
- 23. M/s. The Tamil Nadu Cooperative Marketing Federation Ltd., Chennai
- 24. M/s. The West Bengal Mineral Development and Trading Corporation Limited, Kolkata
- 25. M/s. Vinayaka Agro Fertilisers India (P) Ltd., Nellore
- 26. M/s. Yara Fertilisers India Private Limited, Gurgaon : Converted in to Active Member

Overseas Associate Members

- 1. M/s. Danakali Limited, Australia
- 2. M/s. Ulex Andes USA LLC, USA

Change of Company Name

Associate Members

1. M/s.Hindustan Insecticides Limited to M/s.HIL (India) Ltd.

Overseas Associate Members

1. M/s. Getax Agrifert DMCC to M/s.Agrifields DMCC

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GLIMPSE OF COVERAGE IN PRINT AND ELECTRONIC MEDIA







APPENDIX X

Form No. MGT-9

Extract of Annual Return as on the Financial Year ended on 31st March, 2019

(a) Extract of Annual Return

I. Re	gistration a	nd other details:			
	i)	CIN	:	U85300DL 1955NPL002999	
	ii)	Registration Date	:	27 th May, 1955	
	iii)	Name of the Company	:	The Fertiliser Association of India	
	iv)	Category of the Company	:	Company limited by guarantee.	
	v)	Sub-category of the Company	:	Company licensed U/s 26 of the	
				Indian Companies Act 1913	
				corresponding to section 8 of	
	•			the Companies Act 2013.	
	vi)	Address of the Registered Office	:	FAI House,	
		and contact details		10, Shaheed Jit Singh Marg	
				New Delhi-110067	
				Tele: 011-26567144	
	vii)	Whether listed Company	:	No	
	viii)	Name, Address and Contact details of	:	N.A.	
		Registrar and Transfer Agent, if any			
П.	Princip	oal Business Activities of the	:	To unite all firms, companies,	
	Compa			Corporations, Associations and individuals engaged in the	
	_			fertilizer industry in India with a view to promoting the	
				consideration and discussion of all questions affecting the	
				trade of fertilizers and the interest of sound agriculture and for	
				the improvement of the economic development of the	
				fertilizer and agricultural industries, etc.	
III.	Particu	lars of Holding, Subsidiary and	:	NIL	
		ate Companies			
		*			
IV.		Holding Pattern (Equity Share			
		l Breakup as Percentage of Total	:	N.A	
	Equity				
V.	Indebt	edness	:	NIL	
VI.	Remur	neration of Director General *		Rs.	
		i) Salary		40,28,818	
		ii) Perquisites		19,02,870	
		iii) Others		20,94,281	
		Total		80,259,69	
VII.	Penalti	es/Punishment/Compounding of Offence	es :	NIL	
b) Number of Meetings of the Board					
	Four m	Four meetings of the Board were held during the year, as per the details below:			
		0	, <u>, , , , , , , , , , , , , , , , , , </u>	F	

	Meeting Sl. No.	Date of Meeting
1.	388 th	2 nd April, 2018
2.	389 th	30 th July, 2018
3.	390 th	26 th September, 2018
4.	391 st	5 th December, 2018

Meetings were found extremely useful for discussing various problems and issues and for formulating strategies to be followed by the Association for achieving the desired results.



c) Directors Responsibility Statement

- i. In the preparation of the annual accounts, the applicable accounting standards had been followed along with proper explanation relating to material departures;
- ii. The Directors had selected such accounting policies and applied them consistently and made judgements and estimates that are reasonable and prudent so as to give a true and fair view of the state of affairs of the company at the end of the financial year and of the income and expenditure of the company for that period;
- iii. The Directors had taken proper and sufficient care for the maintenance of adequate accounting records in accordance with the provisions of this Act for safeguarding the assets of the company and for preventing and detecting fraud and other irregularities;
- iv. The Directors had prepared the annual accounts on a going concern basis and
- v. The Directors had devised proper systems to ensure compliance with the provisions of all applicable laws and that such systems were adequate and operating efficiently.
- d) The amounts, if any, which it proposes to carry to any reserves * Rs. 2,06,28,786/-
- e) Foreign Exchange earnings and outgo i) Earnings Rs. 3,08,98,214/ii) Out go Rs.16,66,168/-

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INDEPENDENT AUDITOR'S REPORT

To, The Members of **THE FERTILISER ASSOCIATION OF INDIA** New Delhi

Report on the Financial Statements

We have audited the accompanying financial statements of **THE FERTILISER ASSOCIATION OF INDIA** ("the Association"), which comprise the Balance Sheet as at 31 March 2019 and the Income & Expenditure Account for the year ended and a Summary of the Significant Accounting Policies and other explanatory information.

Management's Responsibility for the Financial Statements

The Association's Board of Directors is responsible for the matters stated in section 134(5) of the Companies Act, 2013 ("the Act") with respect to the preparation of these financial statements that give a true and fair view of the financial position, financial performance of the Association in accordance with the accounting principles generally accepted in India, including the Accounting Standards specified under section 133 of the Act, read with rule 7 of the Companies (Accounts) Rules, 2014. This responsibility, also, includes maintenance of adequate accounting records in accordance with the provisions of the Act for safeguarding of the assets of the Association and for preventing and detecting frauds and other irregularities; selection and application of appropriate accounting policies; making judgments and estimates that are reasonable and prudent; and design, implementation and maintenance of adequate internal financial controls, that were operating effectively for ensuring the accuracy and completeness of the accounting records, relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

Auditor's responsibility

Our responsibility is to express an opinion on these financial statements based on our audit.

We have taken into account the provisions of the Act, the accounting and auditing standards and matters, which are required to be included in the Audit Report under the provisions of the Act and the rules made there under.

We conducted our audit in accordance with the Standards on Auditing specified under section 143(10) of the Act. Those standards require that we comply with ethical requirements and plan & perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and the disclosures in the financial statements. The procedures, selected, depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal financial control relevant to the Association's preparation of the financial statements that give a true and fair view in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on whether the Association has in place an adequate internal financial controls system over financial reporting and the operating effectiveness of such controls. An audit also includes evaluating the appropriateness of the accounting policies used and the reasonableness of the accounting estimates made by the Association's directors, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion on the financial statements.



Opinion

In our opinion and to the best of our information and according to the explanations given to us, the aforesaid financial statements give the information required by the Act in the manner, so required, and give a true and fair view in conformity with the accounting principles generally accepted in India, of the state of affairs of the Association as at 31 March 2019, its surplus for the year ended on that date.

Emphasis of Matters

We draw attention to the following matters in the Notes to the financial statements : None

Our opinion is not modified in respect of these matters

Other Matter

With respect to the Other Matters to be included in the Independent Auditor's Report in accordance with Rule 11 of the Companies (Audit and Auditors) Rules, 2014, in our opinion and to the best of our information and according to the explanations given to us:

- The Association has the pending litigations before the honorable Supreme Court for financial years 2009-2010 & 2010-2011, before the Income Tax Appellate Tribunal (ITAT), New Delhi for financial year 2013-2014 and before the Commissioner of Income Tax (Appeals) for financial year 2014-2015 (under the Income Tax Act, 1961). If the litigations are not in favor of the Association, it would impact the financial position of the Association.
- The Association did not have any long-term contracts, including derivative contracts, for which there were any material foreseeable losses.
- There were no amounts, which were required to be transferred to the Investor Education and Protection Fund.

Our opinion is not modified in respect of this matter.

Report on Other Legal and Regulatory Requirements

As required by section 143(3) of the Act, we report that:

- a) we have sought and obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purposes of our audit.
- b) in our opinion, proper books of account, as required by law, have been kept by the Association, so far as it appears from our examination of those books.
- c) the Balance Sheet and the Income & Expenditure Account dealt with by this Report are in agreement with the books of account.
- d) In our opinion, the aforesaid financial statements comply with the Accounting Standards specified under section 133 of the Act, read with Rule 7 of the Companies (Accounts) Rules, 2014.
- e) On the basis of the written representations received from the directors as on 31 March 2019 taken on record by the Board of Directors, none of the directors is disqualified as on 31 March 2019 from being appointed as a director in terms of Section 164(2) of the Act.

Rajeev Lochan, Partner Membership Number: 086742 Lochan & Co Chartered Accountants Firm Registration Number: 008019N

UDIN: 19086742AAAAAR9657

Place: Delhi Date: 07/08/2019

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THE FERTILISER ASSOCIATION OF INDIA BALANCE SHEET As on 31 March 2019

As at 31 March 2019				30,858,043										6,497,947		
			56,123,368	25,265,324				494,485		200,753		608,045		5,194,664		66,541
Assets	Fixed Assets (Net Block)	(As per Schedule 'A')	Gross cost	Less: Depreciation	Earmarked Accounts	(Per contra)	The Sulphur Institute (TSI) Awards	(As per Schedule 'D(i)')	International Plant Nutrition Institute of Canada (IPNI) Awards	(As per Schedule 'D(ii)')	National Fertilizers Limited (NFL) Awards	(As per Schedule 'D(iii)')	Golden Jubilee Endowment (GJEF) Fund	(As per Schedule 'D(iv)')	Current Assets, Loans and Advances	(i) Stock of Paper (at Cost)
As at 31 March 2018				31,653,667				470,294		387,768		577,235		4,936,218		48,957
As at 31 March 2019						234,174,093										
		1,967,164				232,206,929				494,485			200,753			608,045
Liabilities					211,578,143	20,628,786										
Lia	Reserves and Surplus	General Reserve		Income and Expenditure Account	As per previous year's Balance Sheet	Add: Excess of Income over Expenditure	Earmarked Accounts	(Invested per contra)	The Sulphur Institute (TSI) Awards	(As per Schedule 'B(i)')	International Plant Nutrition Institute of Canada (IPNI) Awards	(funds received from International Plant Nutrition Institute of Canada - India Programme represented by IPNI India and Bangladesh Program, Gurugram)	(As per Schedule 'B(ii)')	National Fertilizers Limited (NFL) Awards	(funds received from National Fertilizers Limited, New Delhi)	(As per Schedule 'B(iii)')
As at 31 March 2018		1,967,164			191,420,819	20,157,324				470,294			387,768			577,235





THE FERTILISER ASSOCIATION OF INDIA BALANCE SHEET As on 31 March 2019

As at 31 March 2019),882					7,222							7,966
				2,300,882	415,524	2,716,406	415,524 2,300,882		6,827,222	•	6,827,222	- 6,827,222		34,177		177,789	205,054,443	9,170,509	501,048 214,937,966
Assets	(ii) Sundry Debtors	unsecured	(a) Outstanding for a period exceeding six months	Considered good 2	Considered doubtful	Sub total 2	Less: Provision for doubtful debts	(b) Other debts	Considered good 6	Considered doubtful	Sub total 6	Less: Provision for doubtful debts	(iii) Cash and Bank Balances	Cash and cheques on hand	<u>Balance with scheduled</u> banks	On current accounts	On deposit accounts 205	On saving bank accounts 9	On Citi Bank - Current Account
As at 31 March 2018							695,241					5,731,326		84,147		347,154	195,481,485	7,501,687	645,857
As at 31 March 2019		6,497,947	41,468,646		•							17,729,961		6,004,910					
		5,194,664							474,280			17,255,681							
Liabilities											534,762	16,720,919							
Lia	Golden Jubilee Endowment (GJEF) Fund	(As per Schedule 'B(iv)')	Agriculture Promotion Project	(As per Schedule 'C(i)')	Agriculture Promotion Project - Public Relation	(As per Schedule 'C(ii)')	Current Liabilities and Provisions	A. Current Liabilities	Government Dues	Sundry creditors	Dues of other than Small Scale Industrial Undertakings	Advances received against membership subscription, training fees, rent, advertisements and research project	B. PROVISIONS	Provision for expenses					
As at 31 March 2018		4,936,218	42,738,646		86,663				1,298,304		695,889	18,096,204		5,962,470					

THE FERTILISER ASSOCIATION OF INDIA	BALANCE SHEET	As on 31 March 2019
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As at 31 March 2019					268,519,568	305,875,558
			12,073,682	23,917,734	8,395,541	
Assets						Total
As	(iv) Loans and Advances	(Unsecured and considered good)	Advances recoverable in cash or in kind or for value to be received	Income Tax deducted at Source	Interest accrued on deposit	F
As at 31 March 2018			12,793,228	21,700,689	5,740,045	288,794,998
As at 31 March 2019						305,875,558
_iabilities						Total
Lia						-
As at 31 March 2018						288,794,998

Summary of Significant Accounting Policies and Notes to Accounts - Schedule 'F'

The accompanying schedules form an integral part of these financial statements.

As per Audit Report of even date attached

Rajeev Lochan, Partner Membership Number: 086742 Lochan & Co Chartered Accountants Firm Registration Number: 008019N

UDIN: 19086742AAAAAR9657

Place: New Delhi Date : 07/08/2019

D. Ramakrishnan (Secretary & Treasurer)

Satish Chander (Director General)

K.S. Raju (Chairman)





THE FERTILISER ASSOCIATION OF INDIA INCOME AND EXPENDITURE ACCCOUNT for year ended on 31 March 2019

Current Year			9,000						33,011,227	13,307,618		4,337,800		2,475,349				4,443,126	42,269,335							
		3,500	5,500		24,530,250	3,560,000	3,147,532	273,500	1,499,945								11,078,012	6,634,886								10 767 60
ne																					14,093,969	24,191	12,985	30,810	258,446	000
Income	Entrance fee from members	- Active	- Associate	Membership fees from members	- Active	- Associate	- Overseas associate	- Technical and professional associate	- Website - subscription	Rent (gross)	[Tax deducted at Source: INR 1,330,762 (Previous Year: INR 1,284,760)]	Advertisement revenue	[Tax deducted at Source: INR 52,974 (Previous Year: INR 66,119)]	Sale of association's publications	Training courses for technical / marketing personnel, Industry agronomist etc.	(As per Schedule 'E')	Training fee received	Less: Training programme expenses (excluding overheads)	Annual Seminar Receipts	Interest received from deposits with banks and companies etc. (Gross)	Less: Transferred to	TSI Award	IPNI Award	NFL Award	GJE Fund	Chtatal
Previous Year		•	8,000		23,003,000	3,480,000	2,699,264	351,160	2,050,987	12,847,540		5,674,841		2,400,424				4,231,929	40,694,113							
Current Year	37,670,397	3,379,292	4,179,451	1,681,429	4,341,661	2,803,032	4,984,816	922,207	13,501,229	1,759,668	1,668,122	134,152	1,592,095	170,180	3,954,975					1,516,295						
																	533,789	87,510	484,771	410,225	200,000	•	200,000	•	•	
Expenditure	Salaries and wages	Contributions to provident fund	Contributions to superannuation and other funds	Contribution to gratuity fund	Contribution to leave encashment assurance scheme	Staff welfare expenses	Cost of publications (excluding overheads)	Workshops, seminars, meetings etc.	Annual seminar expenses	Rates and taxes	Electricity and water (net of recoveries)	Insurance	Printing and stationery expenses Postage, telephone and fax etc.	Joumals and periodicals	Traveling and conveyance expenses	Repairs and maintenance expenses	- Building	- Plant and machinery	- Others	- Security charges (Building)	Awards	Less: Transferred to	IPNI Award	TSI Award	APP Award	-
Previous rear	35,902,912	3,160,224	3,920,812	5,310,234	100,567	3,043,675	4,928,546	988,347	15,530,901	1,710,931	1,717,667	110,729	2,057,685	104,010	2,761,926		249,526	156,000	430,423	351,692						

THE FERTILISER ASSOCIATION OF INDIA

INCOME AND EXPENDITURE ACCCOUNT for year ended on 31 March 2019

Current Year		14,072,259	70,225	1,215,830	20,763							115,232,532
	132,038	172,684										
Income												Total
	Loans to staff	Income Tax Refund	Provision for doubtful debts written back	Miscellaneous receipts	Gain on sale of fixed assets							
Previous Year	105,207	•	287,500	1,056,323	1							115,533,755
Current Year		•	838,915	378,024	2,940,982	1,764,415	110,000	•	519,271	3,793,139	20,628,786	115,232,532
	•	200,000										
Expenditure	GJE Fund	Subtotal	Bad debts written off	Provision for Doubtful debt	2,634,958 Depreciation	Professional and consultancy Charges	Audit fee (Previous Year: net of adjustment of Input Tax Credit on audit fees of prior year)	Loss on sale of fixed assets	Exchange fluctuations	Miscellaneous expenses	Balance being excess of income over expenditure for the year (carried to Balance Sheet)	Total
Previous Year		1	32,360	•	2,634,958	3,530,700	96,500	498,437	392,503	5,654,166	20,157,324	115,533,755

Summary of Significant Accounting Policies and Notes to Accounts - Schedule 'F'

The accompanying schedules form an integral part of these financial statements.

As per Audit Report of even date attached

Lochan & Ĉo Chartered Accountants Firm Registration Number: 008019N **Rajeev Lochan**, Partner Membership Number: 086742

UDIN: 19086742AAAAAB9657

Place: New Delhi Date:07/08/2019

D. Ramakrishnan (Secretary & Treasurer)

(Director General) Satish Chander

K.S. Raju (Chairman)







64th Annual Report 2018-19

Schedule "A"

Fixed Assets as on 31 March 2019

(Amount in INR)

As at 01 April 2018 As at during the vear As at vear As at during the vear As at vear As at during the vear As at vear As at during the vear Deduction vear Deduction vear Deduction vear Deduction vear Deduction during the vear Deduction vear Deduction v	Particulars		GROSS BLOCK	BLOCK			DEPRECIATION	IATION		NET BLOCK	госк
Land 144,904 - 144,904 - 144,904 -		As at 01 April 2018	Additions during the year	Deductions during the year	As at 31 March 2019	As at 01 April 2018	For the year	Deduction during the year	As at 31 March 2019	As at 31 March 2019	As at 31 March 2018
Ming plant and plant and firlings etc. 30,001,153 1,733,302 - 31,734,455 7,269,000 629,079 - - - - - - - - 5,514,783 2,557,680 629,079 629,079 - - - - - 5,514,783 2,557,680 629,079 629,079 -	Leasehold Land	144,904	•	•	144,904	•	•	•	•	144,904	144,904
Itioning plant and enerator set 5,514,783 - 5,514,783 2,557,680 298,230 -	Buildings	30,001,153	1,733,302	•	31,734,455	7,269,000	629,079	•	7,898,079	23,836,376	22,732,153
and Fittings etc. 7,671,801 90,000 - 7,761,801 4,969,949 860,655 - - quipment, air 2,528,902 317,334 28,300 2,817,936 2,249,942 113,584 24,561 - - quipment, air 2,528,902 317,334 28,300 2,817,936 2,249,942 113,584 24,561 - - - - - - 4,475,198 2,794,415 499,443 - - - - - - - - - - - - - 4,99,443 - </td <td>Air-conditioning plant and diesel generator set</td> <td>5,514,783</td> <td>•</td> <td>•</td> <td>5,514,783</td> <td>2,557,680</td> <td>298,230</td> <td>•</td> <td>2,855,910</td> <td>2,658,873</td> <td>2,957,102</td>	Air-conditioning plant and diesel generator set	5,514,783	•	•	5,514,783	2,557,680	298,230	•	2,855,910	2,658,873	2,957,102
quipment, air 2,528,902 317,334 28,300 2,817,936 2,249,942 113,584 24,561 ners etc. 4,475,198 - 4,475,198 2,794,415 499,443 - - sis 3,979,849 8,475 314,032 3,674,292 2,794,415 499,443 - - ass 3,979,849 8,475 314,032 3,674,292 2,821,937 539,991 314,020 ass 54,316,590 2,149,111 342,332 56,123,368 22,662,923 2,940,982 338,561	Furniture and Fittings etc.	7,671,801	90,000	•	7,761,801	4,969,949	860,655	•	5,830,603	1,931,197	2,701,852
end 4,475,198 - - 4,475,198 2,794,415 499,443 - end 3,979,849 8,475 314,032 3,674,292 2,821,937 539,991 314,020 Total 54,316,590 2,149,111 342,332 56,123,368 22,662,923 2,940,982 338,581	Office Equipment, air conditioners etc.	2,528,902	317,334	28,300	2,817,936	2,249,942	113,584	24,561	2,338,965	478,970	278,960
3,979,849 8,475 314,032 3,674,292 2,821,937 539,991 314,020 Total 54,316,590 2,149,111 342,332 56,123,368 22,662,923 2,940,982 336,581	Vehicle	4,475,198	•	•	4,475,198	2,794,415	499,443	•	3,293,858	1,181,340	1,680,783
54,316,590 2,149,111 342,332 56,123,368 22,662,923 2,940,982 338,581 c20,070,445 0,004,445 749,046 749,062 338,581	Computers	3,979,849	8,475	314,032	3,674,292	2,821,937	539,991	314,020	3,047,908	626,383	1,157,913
	Total	54,316,590	2,149,111	342,332	56,123,368	22,662,923	2,940,982	338,581	25,265,324	30,858,043	•
130,301 20,400 20,400 20,000 20,400 20,000 20,400 20,200,000 20,400	Previous Year	52,979,115	2,081,415	743,940	54,316,590	20,223,868	2,634,958	195,903	22,662,923	•	31,653,667



Schedule "B"

EARMARKED ACCOUNTS

(invested per contra)

Schedule "B(i)": Fund received from The Sulphur Institute (TSI), Washington for TSI Awards

		(Amount in INR)
Previous Year	Particulars	Current Year
445,934	Balance as per last year's Balance Sheet	470,294
24,360	Add: Interest received / accrued on deposits during the year	24,191
470,294	Sub total	494,485
-	Less: Awards	-
470,294	Balance	494,485

Schedule "B(ii)": Fund received from International Plant Nutrition Institute (IPNI) for Awards

()		(Amount in INR)
Previous Year	Particulars	Amount
363,938	Balance as per last year's Balance Sheet	387,768
23,830	Add: Interest received / accrued on deposits during the year	12,985
387,768	Sub total	400,753
-	Less: Awards	200,000
387,768	Balance	200,753

Schedule "B(iii)": Fund received from National Fertilisers Limited (NFL), New Delhi for Awards

(Amount in INR)

		(Amount in INR)
Previous Year	Particulars	Amount
545,018	Balance as per last year's Balance Sheet	577,235
32,217	Add: Interest received / accrued on deposits during the year	30,810
577,235	Sub total	608,045
-	Less: Awards	-
577,235	Balance	608,045

Schedule "B (iv)": Funds received from Golden Jubilee Endowment Fund (GJEF)

		(Amount in INR)
Previous Year	Particulars	Amount
2,525,274	Balance as per last year's Balance Sheet	4,936,218
2,500,000	Funds transferred from FAI during year	-
210,944	Add: Interest received / accrued on deposits during the year	258,446
5,236,218	Sub total	5,194,664
300,000	Less: Awards	-
4,936,218	Balance	5,194,664



Schedule "C(i)": Agriculture Promotional Project (APP)

		(Amount in INR)
Previous Year	Particulars	Current Year
45,626,832	Balance as per last year's Balance Sheet	42,738,646
941,814	Add: Funds transferred from IMPHOS Earmarked Account	-
46,568,646	Total (A)	42,738,646
	Less: Expenditure incurred on the Project	
2,500,000	Fund transferred to Golden Jubilee Endowment Fund	-
-	National Conference on Ornamental Horticulture to Rural Economy	200,000
260,000	National Conference on Potassium Management in Indian Agriculture	-
720,000	Honorarium	720,000
350,000	Project on doubling the income of Farmers	350,000
3,830,000	Total (B)	1,270,000
42,738,646	Balance [(A) – (B)]	41,468,646

Schedule "C(ii)": Agriculture Promotional Projects – Public Relation

(Amount in INR)

Previous Year	Particulars	Current Year
223,863	Funds received during the year	86,663
	Less: Expenditure incurred on the Project	
119,200	Miscellaneous Expenses	86,663
18,000	Updation of Corporate Film	-
137,200	Total (B)	86,663
86,663	Balance [(A) – (B)]	-

Schedule "D"

EARMARKED ACCOUNTS

(per contra)

Schedule "D(i)": Application of funds received from The Sulphur Institute (TSI) for Awards as at 31 March 2019 (Amount in INR)

Previous Year	Particulars	Current Year	
300,000	Balance with a scheduled bank in savings bank account	-	
150,353	Deposit with scheduled bank	473,944	
19,941	T.D.S. recoverable	20,541	
470,294	Total	494,485	



Schedule "D(ii)": Application of funds received from the International Plant Nutrition Institute (IPNI) for Awards as at 31 March 2019

		(Amount in INR)
Previous Year	Particulars	Current Year
290,241	Balance with a scheduled bank in savings bank account	-
91,988	Deposit with scheduled bank	198,613
3,399	Interest accrued on deposits	-
2,140	T.D.S. recoverable	2,140
387,768	Total	200,753

Schedule "D(iii)": Application of funds received from the National Fertilizers Limited (NFL) for Awards as at 31 March 2019

		(Amount in INR)
Previous Year	Particulars	Current Year
368,000	Balance with a scheduled bank in savings bank account	368,000
204,690	Deposit with scheduled bank	235,383
3,724	Interest accrued on deposits	3,841
821	T.D.S. recoverable	821
577,235	Total	608,045

Schedule "D(iv)": Application of funds received from the Golden Jubilee Endowment Fund as at 31 March 2019

		(Amount in INR)
Previous Year	Particulars	Current Year
2,523,000	Balance with a scheduled bank in savings bank account	2,616,897
2,315,339	Deposit with scheduled bank	2,506,594
71,355	Interest accrued on deposits	44,260
26,524	T.D.S. recoverable	26,913
4,936,218	Total	5,194,664

Schedule "E": Receipts and Expenses against the training courses for technical / marketing personnel industry etc. held during the year ended on 31 March 2019

		(Amount in INR)
Previous Year	Receipts	Current Year
10,323,288	Training Fees Received (A)	11,078,012
	Less: Expenses incurred	
4,089,055	Boarding and Lodging Expenses	4,380,012
476,117	Travelling and Conveyance Expenses	349,908
99,500	Honorarium	112,300
13,550	Photographs	19,300
1,413,137	Miscellaneous Expenses	1,773,366
6,091,359	Total (B)	6,634,886
4,231,929	Net Receipts [(A) – (B)]	4,443,126



Schedule "F"

Summary of Significant Accounting Policies and Notes to Accounts

Summary of Significant Accounting Policies

1 Significant accounting policies:

i) Accounting convention

The financial statements are prepared under the historical cost convention in accordance with applicable mandatory accounting standards and relevant presentational requirements of the Companies Act, 2013 following accrual basis of accounting.

ii) **Fixed assets and depreciation**

- Fixed assets are stated at cost less accumulated depreciation. The cost of acquisition is inclusive of freight, taxes and other incidental expenses.
- Depreciation is provided using the Straight-Line Method as per the useful lives of the assets prescribed under schedule II of the Companies Act, 2013. The useful life for depreciation used are as follows:

	Life as per Schedule II
Building	60 years
Air conditioner & Generator Sets	15 years
Furniture & Fixture	10 years
Office Equipment	5 years
Vehicle – Car	6 years
Vehicle - Motor Cycle	10 years
Computer	3 years
Server	6 years

- In case of cost of improvements to leasehold premises, cost is amortized over the period of lease
- (including renewal options) of the premises or the useful life of leasehold improvements, whichever is lower.
- No write off is made in respect of leasehold land as the lease is a long lease.
- Assets having value of INR 5,000 or less, individually, have been fully depreciated in the year of purchase.

iii) Retirement Benefits

- a) The Association has various schemes of retirement benefits such as provident fund, gratuity, leave encashment and superannuation fund. The provident fund, gratuity and superannuation fund are administered by trustees of an independently constituted Trusts recognized by the Income-tax authorities. The Group Leave Encashment - cum -Life Assurance Scheme (Cash Accumulation) Scheme is administered by FAI through LIC. Contributions to the gratuity fund, superannuation fund and Group Leave Encashment Scheme are made in accordance with the terms of the scheme of the Life Insurance Corporation of India. Periodic Contributions to the funds are charged against revenue each year.
- b) Liability for leave encashment benefit payable to employees on retirement is provided on an arithmetical calculated on the basis of accumulated un-availed leaves standing to the credit of employees at the yearend by taking the last drawn salary into account.

vi) Foreign currency transactions

Foreign currency transactions are accounted for at exchange rates prevailing on the date the transaction takes place. The transactions in foreign currencies which are not settled on the date of balance sheet are translated into rupees taken into account the exchange rate prevailing on the date of Balance Sheet. Any income or expense on account of exchange difference either on settlement or transaction is recognized in the income and expenditure account except that the variation in the long-term liabilities incurred for acquisition of Fixed Assets up to 31 March

64th Annual Report 2018-19



2004 is adjusted to the cost of Fixed Assets. In case such liabilities are incurred and utilized for acquisition of Fixed Assets after 31 March 2004, the gain or loss on settlement date or on conversion at the rates prevailing at the yearend is charged to the income and expenditure account.

- 2 Income from membership fees is accounted for on an accrual basis except for membership dues from technical and professional associate members, which are accounted for on a cash basis.
- 3 Subscriptions received for journals and periodicals are accounted for on a cash basis.
- 4 Training fees received from FAI Training Courses for technical / marketing personnel, industry agronomist etc. are shown net of expenses incurred in conducting such training courses.
- 5 Annual Seminar Receipts and Annual Seminar Expenditure are shown net of amount received against sponsorship.
- 6 Interest on Fixed Deposits with banks and companies has been calculated on day basis based on the calculation done by banks.
- 7 Cost of publications is charges off in the year, in which such expenditure is incurred.
- 8 Interest received and accrued on deposits held for earmarked accounts and awards and other expenditure incurred of earmarked accounts are credited / debited directly to the respective accounts.
- 9 Funds received under Agriculture Promotion Project (APP) and Agriculture Promotion Project- Public Relation and expenditure incurred under the projects and credited / debited directly to the respective projects.

			(Amount in INR)
		Current Year	Previous Year
10	Honorarium to faculty members and ex-gratia payments to staff have been debited to other heads such as FAI Training courses, Seminars etc.	8,300,104	6,522,311
11	Managerial remuneration of the Director General under section 197 of the Companies Act 2013 (including arrears for the previous year)	8,025,969	7,848,432
	[*] does not include incremental liabilities for gratuity and leave encashment, if any.		
12	Auditors' remuneration (excluding Goods & Service Tax)		
	Statutory Audit Fee	110,000	110,000
	Management Services	122,500	128,000
13	Expenditure in foreign currency on account of:		
	a) Subscription to foreign journals and books	82,944	8,294
	b) Membership of foreign organizations	13,096	13,893
	c) Foreign Travel	1,570,128	976,276
14	Earnings in foreign exchange (cash basis) for sale of publications, advertising, membership fees etc.	30,898,214	25,729,056

- 15 The Association recognizes provision for bad and doubtful debt on specific basis as deemed appropriate depending on ageing of the receivable and information available of the related debtor.
- 16 No impairment losses are considered to have occurred in carrying value of assets and hence are considered to realize their carrying value in ordinary course of business.
- 17 Inventory of unused paper supplies are valued at cost based on weighted average method.
- 18 The Association, vide Order dated 22 June 1994 of Assistant Director of Income Tax has been registered under section 12A(a) of the Income Tax Act, 1961 with effect from 01 April 1993, and has been claiming exemption under sections 11 and 12 of the Income Tax Act, 1961. As such no provision for income tax been considered.
- 19 Disclosures in respect of the Accounting Standard 19 titled "Leases", issued by the Institute of Chartered Accountants of India for operating leases commencing on or after 01 April 2001:

The Association has entered into operating lease arrangements for leasing the ground and second floor of its office premises.

- (a) Some of the significant terms and conditions of the arrangements are as under:
- Agreement may generally be terminated by the lessees by serving two months' notice.
- The lease is generally renewable on the expiry of the lease period subject to mutual agreement.



(b) The gross carrying amount, the depreciation for the year and the accumulated depreciation as at 31 March 2019 are as under:

Description of the asset	Gross carrying Amount	Depreciation for the year	Accumulated depreciation
Building	5,550,846	91,607	1,680,557

- 20 Litigation in favor of the Association; however, challenged by the Income Tax Authority in the Apex Court
- i. The Assistant / Deputy Commissioner of Income Tax (Exemption), New Delhi has raised the income tax demand of INR10,821,340 (including interest) in assessment under section 143(3) of the Income tax, 1961 for assessment year corresponding to financial year 2009-2010. The Association has filed appeal before Commissioner of Income Tax (Appeal) on 25 April 2013. A lump sum payment of INR 850,000 has been made against this demand and classified under "Advances recoverable in cash or kind". The Commissioner of Income Tax (Appeal), vide his order dated 31 December 2014, partly allowed the appeal. Therefore, an appeal was filed before the Income Tax Appellate Tribunal (ITAT), New Delhi on 05 March 2015. The ITAT, New Delhi allowed the appeal of the Association vide its Order dated 27 March 2017. The Commissioner of Income Tax (Exemptions), New Delhi appealed before Honorable High Court, Delhi on 06 September 2017, praying for setting aside the order of ITAT.
- ii. The Income Tax Officer (Exemption), New Delhi has raised income tax demand of INR 13,938,530 (including interest) in assessment under section 143(3) of the Income Tax, 1961 for assessment year corresponding to financial year 2010-2011. The Association has filed an appeal before Commissioner of Income Tax (Appeal) on 28 April 2014. The amount of INR 7,000,000 has been made against this demand and classified under "Advances recoverable in cash or kind". The Commissioner of Income Tax (Appeals), vide his Order dated 19 July 2016 confirmed the action of the Association filed an appeal against the Order of Commissioner of Income Tax (Appeals) before ITAT, New Delhi on 27 September 2016. The ITAT, New Delhi allowed the appeal of the Association vide its Order dated 09 May 2017. The Commissioner of Income Tax (Exemptions) appealed before Honorable High Court, Delhi on 06 September 2017, praying for setting aside the order of ITAT.
- iii. The Honorable High Court, Delhi, vide its Order dated 13 November 2017, dismissed the above appeals of the Commissioner of Income Tax (Exemptions).
- iv. The Commissioner of Income Tax (Exemptions) has filed Special Leave petition in the Honorable Supreme Court on 13 October 2018. The Case has not been heard till date by the Honorable Court.

21 Contingent Liabilities

- i The Deputy Commissioner of Income Tax (Exemption), New Delhi has raised an income tax demand of INR 8,802,450 (including interest) in assessment under section 143(3) for assessment year corresponding to financial year 2013-2014. The Association has filed an appeal before Commissioner of Income Tax (Appeal) on 18 January 2017. The Commissioner of Income Tax (Appeal) partly allowed the Appeal, which includes major grounds of appeal vide his order dated 19 November 2018. The Deputy Commissioner of Income Tax (Exemption), New Delhi appealed to the Honorable ITAT on 04 February 2019 against the order of the Commissioner of Income Tax (Appeal). There is no further progress in this Case till date.
- The Assistant Commissioner of Income Tax (Exemption), New Delhi has raised an income tax demand of INR 13,153,950 (including interest) in assessment under section 143(3) for assessment year corresponding to financial year 2014-2015. The Association has filed an appeal before Commissioner of Income Tax (Appeal) on 05 January 2018. The appeal is in progress.
- 22 Previous year's figures have been regrouped / recast, wherever necessary.

As per Audit Report of even date attached

Rajeev Lochan, Partner Membership Number: 086742 Lochan & Co Chartered Accountants Firm Registration Number: 008019N

UDIN: 19086742AAAAAR9657

Place: New Delhi Date: 07/08/2019

D. Ramakrishnan (Secretary & Treasurer)

Satish Chander (Director General) **K.S. Raju** (Chairman)

(Amount in INR)

64th Annual Report 2018-19



SENIOR STAFF OF FAI

CENTRAL OFFICE

Shital S. Bhende	Senior Agronomist	
Rama Gupta	Senior Officer (Accounts)	
K.Mohan	Senior Officer (Accounts)	
M.M.Sharma	PS to DG	
Yatika Gupta	Economist	
Lalit Kumar	Agronomist	
Anita Kumari	Officer (Publicity)	
Ankita Pandey	Technical Officer	
Chanchal Soni	Statistical Officer	
Celine George	Officer (Secretarial)	
Rohit Chaturvedi	Junior Statistical Officer	
Ajay Kumar	Junior Officer	
Prakash Kumar	Junior Officer (Accounts)	

REGIONAL OFFICES

EAST Dilip Kumar Dey	Senior Officer (Accounts)
NORTH Harinder Kaushik	Officer
SOUTH S.Venkatesan	Senior Statistical Officer
WEST Shilpa K.Chirke	Officer





COASTAL SHIPPING AND INLAND WATERWAYS BUSINESS CONCLAVE, KOCHI





FAI REGIONAL OFFICES

NORTHERN REGION

The Fertiliser Association of India FAI House, 10 Shaheed Jit Singh Marg New Delhi – 110 067	Tel Fax E-mail	: : :	011-46005226 011-26960052 nr@faidelhi.org
SOUTHERN REGION Module 16, Block G-1 Garment Complex SIDCO Industrial Estate	Tel Fax E-mail	: :	044-22501862 044-22501240 sr@faidelhi.org
Guindy, Chennai - 600 032 EASTERN REGION Flat 1 R, Ganpati Building 3, Kavi Bharati Sarani (Lake Road) Kolkata - 700 029	Tel Fax E-mail	:	033-24638256 033-24638257 er@faidelhi.org
WESTERN REGION Flat No.3 New Commonwealth Society 229 Linking Road Bandra (W), Mumbai - 400 050	Tel Fax E-mail	:	022-26518162 022-26416174 wr@faidelhi.org



The Fertiliser Association of India

FAI House, 10 Shaheed Jit Singh Marg New Delhi - 110 067 CIN U85300DL 1955NPL002999 Tel : +91-11-26567144, 46005204 Fax : +91-11-26960052 E-mail : secy@faidelhi.org Website : www.faidelhi.org