



**65<sup>th</sup>**  
**ANNUAL REPORT 2019-20**

**THE FERTILISER ASSOCIATION OF INDIA**

# GLOBAL MICRONUTRIENT SUMMIT 2019





## 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

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# BOARD OF DIRECTORS



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



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



**A. Vellyan**  
Emeritus Director, FAI



**P.S. Gahlaut**  
MD, IPL



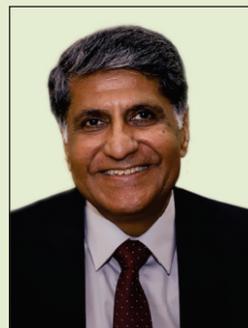
**Rakesh Kapur**  
Jt. MD, IFFCO



**Arvind Agarwal**  
CMD, GSFC  
w.e.f. 19.06.2020



**R.K. Chopra**  
MD, KRIBHCO Fertilizers Ltd.



**Rajan Chowdhry**  
MD, KRIBHCO.  
w.e.f. 19.06.2020



**M.S. Dagur**  
MD, GNFC  
upto 16.07.2020



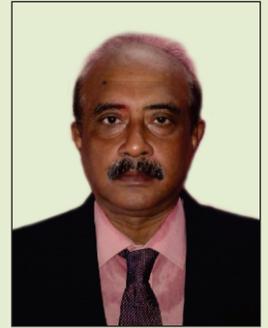
**Virendra Nath Datt**  
CMD, NFL  
w.e.f. 19.06.2020



**Umesh Dhattrak**  
CMD, RCF  
upto 02.12.2019



**Alok Gaur**  
COO, KFCL  
w.e.f. 19.06.2020



**Ashim Kumar Ghosh**  
CMD, BVFCL  
w.e.f. 02.12.2019



**Sameer Goel**  
MD, Coromandel International Ltd.



**Ashvini Hiran**  
MD & CEO, Indorama India Pvt. Ltd.



**A.K. Jain**  
Vice Chairman, KFCL  
upto 13.06.2020



**Sanjiv Kanwar**  
MD, Yara Ferts.India Pvt. Ltd.



**Anil Kapoor**  
MD, CFCL



**K.K. Kaul**  
WTD, DCM Shriram



**Shailesh Khaitan**  
CMD  
Khaitan Chems. & Ferts.



**N. Suresh Krishnan**  
MD, PPL



**Praveen Kumar Maheshwari**  
WTD & CFO  
Hindalco Industries Ltd.



**Sanjai Maheshwari**  
CMD, BVFCL  
upto 02.12.2019



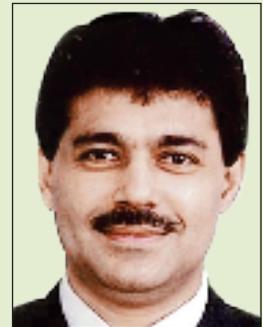
**S.C. Mehta**  
CMD, Smartchem Technologies Ltd.



**Manoj Mishra**  
CMD, NFL  
upto 02.06.2020



**S.C. Mudgerikar**  
CMD, RCF  
w.e.f. 02.12.2019



**Manish Nagpal**  
CEO, Greenstar Fertilizers Ltd.



**S.K. Nayak**  
MD, NCDC



**Akshay Poddar**  
Director, ZACL



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



**S.R. Ramakrishnan**  
WTD, SPIC



**K. Prabhakar Rao**  
WTD, MCFL  
w.e.f. 28.08.2020



**N. Sambasiva Rao**  
MD, KRIBHCO  
upto 31.12.2019



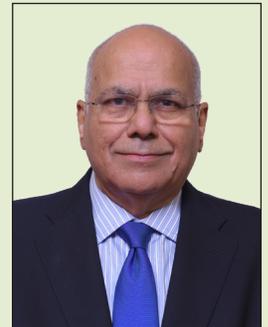
**C. Narasimha Reddy**  
VP&BU Head-Agri, JACPL



**Kishore Rungta**  
CMD, FACT



**U. Saravanan**  
CMD, MFL



**Sunil Sethy**  
MD, PPL  
upto 28.02.2020



**S.P. Yadav**  
ED (Agri Business), GSFC  
upto 14.04.2020



**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)



**Y.V.N. Murthy**  
Regional Head  
(South & West)



**D.P. Patra**  
Regional Head (East)



**Kabita Debnath Das**  
Dy. Chief (Documentation &  
Information)



**Kuldeep Sati**  
Dy. Chief (Statistics & IT)

## NOTICE OF ANNUAL GENERAL MEETING

### THE FERTILISER ASSOCIATION OF INDIA

(Company Limited by Guarantee)

Licensed Under Section 26 of the Indian Companies Act, 1913 corresponding to

Section 8 of the Companies Act 2013:

Regd. Office: FAI House, 10, Shaheed Jit Singh Marg, New Delhi 110067, INDIA

CIN: U85300DL 1955NPL002999

Phone No. : 011-46005204, 011-26567144, Email: [secy@faidelhi.org](mailto:secy@faidelhi.org), website: [www.faidelhi.org](http://www.faidelhi.org)

Notice is hereby given that pursuant to the provisions of the Companies Act, 2013 and MCA circular dated 05.05.2020 read with other circulars dated 08.04.2020 and 13.04.2020 and considering the current situation of pandemic, the Company is intending to conduct the 65<sup>th</sup> Annual General Meeting (AGM) of the Members of The Fertiliser Association of India (FAI) on Monday, the 28<sup>th</sup> September, 2020 at 11.30 a.m through Video Conference(VC) in accordance with the provisions of aforesaid circulars to transact the following business:

#### ORDINARY BUSINESS

1. To receive, consider and adopt the Audited Financial Statements of the Association including the Balance Sheet as at the 31<sup>st</sup> March, 2020 and Income and Expenditure Account for the financial year ended on the 31<sup>st</sup> March, 2020 and the Report of the Board of Directors and Auditors thereon.

2. To re-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 and being eligible and qualified offer themselves for re-appointment in accordance with Article 85 of the Articles of Association of FAI:

- (i) Mr. Anil Kapoor (DIN: 00032299) representative of M/s Chambal Fertilisers and Chemicals Limited (CFCL) to represent the interests of nitrogenous and complex fertiliser manufacturers.
- (ii) Mr. Sameer Goel (DIN: 07298938) representative of M/s Coromandel International Limited to represent the interests of nitrogenous and complex fertiliser manufacturers.
- (iii) Mr. Rakesh Kapur (DIN: 00007230) representative of M/s Indian Farmers Fertiliser Cooperative Limited (IFFCO), to represent the interests of nitrogenous and complex fertiliser manufacturers fertilisers.
- (iv) Mr. S.R.Ramakrishnan (DIN: 00120126) representative of M/s Southern Petrochemical Industries Corporation Ltd, (SPIC), to represent the interests of nitrogenous and complex fertiliser manufacturers.
- (v) Mr. K.S.Raju (DIN: 00008177) representative of M/s Nagarjuna Fertilizers and Chemicals Limited (NFCL), to represent the interests of nitrogenous and complex fertiliser manufacturers.
- (vi) Mr. S.C. Mehta (DIN: 00128204) representative of M/s Smartchem Technologies Limited (STL) to represent the interests of nitrogenous and complex fertiliser manufacturers.

(vii) Mr. N. Suresh Krishnan (DIN:00021965) representative of M/s Paradeep Phosphates Limited (PPL) to represent the interests of nitrogenous and complex fertiliser manufacturers.

#### SPECIAL BUSINESS

3. Ratification of Appointment of Directors in Casual Vacancy and their appointment as Rotational Directors:

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

a) “**RESOLVED THAT** pursuant to the provisions of Section 149, 152, 161(4), and other applicable provisions, if any of the Companies Act, 2013 and the Rules framed thereunder, appointment of Mr. Alok Gaur, (DIN: 00112520) representing M/s Kanpur Fertiliser and Cements Limited (KFCL), who was appointed by the Board of Directors of FAI w.e.f. 19.06.2020 to fill the casual vacancy caused due to the resignation of Mr. A.K. Jain, and who holds office upto the date of this Annual General Meeting, be and is hereby approved.”

b) “**RESOLVED THAT** pursuant to the provisions of Section 149, 152 and other applicable provisions, if any of the Companies Act, 2013 and the Rules framed thereunder, Mr. Alok Gaur, (DIN: 00112520) representing M/s Kanpur Fertiliser and Cements Limited (KFCL), who holds office upto the date of this Annual General Meeting be and is hereby appointed as a Director of the company to represent the interests of nitrogenous and complex fertiliser manufacturers, whose period of office will be liable to determination by retirement by rotation.”

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

a) “**RESOLVED THAT** pursuant to the provisions of Section 149, 152, 161(4), and other applicable provisions, if any of the Companies Act, 2013 and the Rules framed thereunder, appointment of Mr. Arvind Agarwal (DIN: 00122921) representing M/s Gujarat State Fertilizers & Chemicals Limited (GSFC), who was appointed by the Board of Directors of FAI w.e.f. 19.06.2020 to fill the casual vacancy caused due to the resignation of Mr. S.P.Yadav, and who holds office upto the date of this Annual General Meeting, be and is hereby approved.”

b) “**RESOLVED THAT** pursuant to the provisions of Section 149, 152 and other applicable provisions, if any of the Companies Act, 2013 and the Rules framed thereunder, Mr. Arvind Agarwal (DIN: 00122921) representing M/s Gujarat State Fertilizers & Chemicals Limited (GSFC), who holds office upto the date of this Annual General Meeting be and is hereby appointed as a Director of the company to represent the interests of nitrogenous and complex fertiliser manufacturers, whose period of office will be

liable to determination by retirement by rotation.”

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

a) **“RESOLVED THAT** pursuant to the provisions of Section 149, 152, 161(4), and other applicable provisions, if any of the Companies Act, 2013 and the Rules framed thereunder, appointment of Mr. S.C. Mudgerikar, (DIN:03498837) representing M/s Rashtriya Chemicals & Fertilizers Ltd. (RCF), who was appointed by the Board of Directors of FAI w.e.f. 02.12.2019 to fill the casual vacancy caused due to the resignation of Mr. Umesh V. Dhattrak, and who holds office upto the date of this Annual General Meeting, be and is hereby approved.”

b) **“RESOLVED THAT** pursuant to the provisions of Section 149, 152 and other applicable provisions, if any of the Companies Act, 2013 and the Rules framed thereunder, Mr. S.C. Mudgerikar, (DIN:03498837) representing M/s Rashtriya Chemicals & Fertilizers Ltd. (RCF), who holds office upto the date of this Annual General Meeting be and is hereby appointed as a Director of the company to represent the interests of nitrogenous and complex fertiliser manufacturers, whose period of office will be liable to determination by retirement by rotation.”

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

a) **“RESOLVED THAT** pursuant to the provisions of Section 149, 152, 161(4), and other applicable provisions, if any of the Companies Act, 2013 (Act) and the Rules framed thereunder, appointment of Mr. Virendra Nath Datt, (DIN: 07823778) representing M/s National Fertilizers Limited (NFL), who was appointed by the Board of Directors of FAI w.e.f. 19.06.2020 to fill the casual vacancy caused due to the resignation of Mr. Manoj Mishra, and who holds office upto the date of this Annual General Meeting, be and is hereby approved.”

b) **“RESOLVED THAT** pursuant to the provisions of Section 149, 152 and other applicable provisions, if any of the Companies Act, 2013 (Act) and the Rules framed thereunder, Mr. Virendra Nath Datt, (DIN: 07823778) representing M/s National Fertilizers Limited (NFL), who holds office upto the date of this Annual General Meeting be and is hereby appointed as a Director of the company to represent the interests of nitrogenous and complex fertiliser manufacturers, whose period of office will be liable to determination by retirement by rotation.”

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

a) **“RESOLVED THAT** pursuant to the provisions of Section 149, 152, 161(4), and other applicable provisions, if any of the Companies Act, 2013 (Act) and the Rules framed thereunder, appointment of Mr. Rajan Chowdhry, (DIN: 02199935) representing M/s Krishak Bharati Cooperative Ltd (KRIBHCO), who was appointed by the Board of Directors of FAI w.e.f. 19.06.2020 to fill the usual vacancy caused due to the resignation of Mr. N. Sambasiva Rao, and who holds office upto the date of this Annual General Meeting, be and is hereby approved.”

b) **“RESOLVED THAT** pursuant to the provisions of Section 149,

152 and other applicable provisions, if any of the Companies Act, 2013 (Act) and the Rules framed thereunder, Mr. Rajan Chowdhry, (DIN: 02199935) representing M/s Krishak Bharati Cooperative Ltd (KRIBHCO), who holds office upto the date of this Annual General Meeting be and is hereby appointed as a Director of the company to represent the interests of nitrogenous and complex fertiliser manufacturers, whose period of office will be liable to determination by retirement by rotation.”

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

a) **“RESOLVED THAT** pursuant to the provisions of Section 149, 152, 161(4), and other applicable provisions, if any of the Companies Act, 2013 (Act) and the Rules framed thereunder, appointment of Mr. Ashim Kumar Ghosh, (DIN: 08222413) representing M/s Brahmaputra Valley Fertilizer Corporation Ltd. (BVFCL), who was appointed by the Board of Directors of FAI w.e.f. 02.12.2019 to fill the casual vacancy caused due to the vacation of Mr. Sanjai Maheshwari, and who holds office upto the date of this Annual General Meeting, be and is hereby approved.”

b) **“RESOLVED THAT** pursuant to the provisions of Section 149, 152 and other applicable provisions, if any of the Companies Act, 2013 and the Rules framed thereunder, Mr. Ashim Kumar Ghosh, (DIN: 08222413) representing M/s Brahmaputra Valley Fertilizer Corporation Ltd. (BVFCL), who holds office upto the date of this Annual General Meeting be and is hereby appointed as a Director of the company to represent the interests of nitrogenous and complex fertiliser manufacturers, whose period of office will be liable to determination by retirement by rotation.”

#### 4. Appointment of Directors against existing vacancies

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 Sections 149, 152 and any other applicable provisions of Companies Act, 2013 read with rules made thereunder, Mr. K. Prabhakar Rao (DIN: 00898513) who was appointed as Additional Director by the Board of Directors w.e.f 28.08.2020 and who holds upto the date of this AGM representing M/s Mangalore Chemicals & Fertilizers Limited (MCFL), and in respect of whom the Company has received notice under Section 160 of the Companies Act, 2013 proposing his candidature for the office of Director against the existing vacancy, be and is hereby appointed as a Director of the company to represent the interests of nitrogenous and complex fertiliser manufacturers, liable to determination by retirement 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 Sections 149, 152 and any other applicable provisions of Companies Act, 2013 read with rules made thereunder, Mr. Pankaj Joshi (DIN: 01532892), M/s Gujarat Narmada Valley Fertilizers & Chemicals Limited (GNFC), and in respect of whom the Company has received notice under Section 160 of the Companies Act, 2013 proposing his candidature for the office of Director against the existing vacancy, be and is hereby appointed as a Director of the company to represent the interests of nitrogenous and complex fertiliser manufacturers, liable to determination by retirement by rotation.”

## 5. Appointment of Director General (DG)

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 and rules made thereunder, 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 Shri. Satish Chander, (DIN: 00276346) as Director General, designated as Managing Director under the Companies Act, 2013, for a period of one year effective from 11<sup>th</sup> June, 2020 on the existing terms and conditions as approved by the Board of Directors of FAI at its meeting held on 19<sup>th</sup> June, 2020 as given in the explanatory note in the notice convening this Annual General Meeting”.

6. a) Assessment of dues for the year 1<sup>st</sup> April, 2021 to 31<sup>st</sup> March, 2022 as follows:

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

b) To consider and adopt the budget of the Association for the year 1<sup>st</sup> April, 2021 to 31<sup>st</sup> March, 2022.

By the order of Board of Directors

New Delhi  
11<sup>th</sup> September, 2020

D. Ramakrishnan  
Secretary

## NOTES

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.

2. In view of the outbreak of COVID-19 pandemic, social distancing measures are a pre-requisite and in terms of Ministry of Corporate Affairs (“MCA”) Circular No. 20/2020 dated 5<sup>th</sup> May, 2020 read with Circular 14/2020 dated 8<sup>th</sup> April, 2020, Circular 17/2020 dated 13<sup>th</sup> April, 2020 (“MCA Circulars”), physical presence of the Members at common venue of Annual General Meeting (AGM) is being conducted through Video Conference (“VC”). The deemed venue for the AGM shall be the Registered Office of the Company.

3. The Members are hereby informed that pursuant to the non-operational postal services in the Country and in compliance with the aforementioned circulars, the notices of virtual AGM shall be sent to all the Members through email who have registered the same with the Company. Please note that Members who do not register their email addresses shall not be able to receive notice of AGM and hence shall not be able to participate in the Meeting or vote. The Notice of AGM will also be available on the website of the Company at [www.faidelhi.org](http://www.faidelhi.org)

4. In order to enable the Company to comply with MCA circulars issued for holding AGM via VC and to participate in the green initiative in Corporate Governance the members who have not yet registered their e- mail ids with the Company may contact at Mob No 9871383782 or at email [secy@faidelhi.org](mailto:secy@faidelhi.org) or land line number 01146005204 for registering their e- mail ids. on or before 25<sup>th</sup> September 2020.

5. Since the ensuing AGM is being held pursuant to the MCA Circulars through VC which does not require physical attendance of Members at the AGM, the facility to appoint proxy by the Members will not be available for this AGM and therefore, Proxy Form and Attendance Slip are not annexed to this Notice.

6. Members attending the AGM through VC will be counted for the purpose of reckoning the quorum under Section 103 of the Act.

7. Corporate Members are required to send a scanned copy (PDF/ JPG Format) of its Board or governing body Resolution/ Authorization etc., authorizing its representative to attend the AGM through VC on its behalf and to vote thereat by show of hands. The said Resolution/Authorization shall be sent by email to the Company at [secy@faidelhi.org](mailto:secy@faidelhi.org)

8. Members may send their questions if any, in advance mentioning their name demat account number/folio number, email id, mobile number at [secy@faidelhi.org](mailto:secy@faidelhi.org). The same will be replied by the company suitably.

9. Since the AGM will be held through VC/OAVM, the route map is not annexed with the Notice.

10. Voting at AGM

Every Active Member present in the Meeting shall have one vote by show of hands. The Company shall be providing the facility of voting through Show of Hands during the meeting as provided by the Articles of Association of FAI. The members shall raise their hand when the Chairman requests the members for vote on the particular business.

11. Associate Members, Overseas Associate Members, Technical and Professional Associate Members shall not be entitled to any voting rights but shall be entitled to receive notice of and to be present at the Meeting of the Association.

## PROCEDURE FOR JOINING THE AGM THROUGH VC i.e WEBEX

1. The Company is providing VC/OAVM facility to its Members for participating at the AGM.

a) Members will be able to attend the AGM through VC at the link <https://thefertiliser.webex.com/thefertiliser/j.php?MTID=me2f72d49f39317dfa1a62a688dbdd5cb>

Go to the email in which the link is received and click the link given in your email and join the Meeting by giving i)Your Name with Company’s Name and ii) Email id

b) Facility to join the meeting shall be opened 30 minutes before the scheduled time of the AGM and shall be kept open throughout the proceedings of the AGM.

c) Members who need assistance before or during the AGM can contact Mr. Kuldeep Sati, at email id; [stat@faidelhi.org](mailto:stat@faidelhi.org). or call at 9818862585/Mr Ajay Kumar at his Mobile No. 9350006750/ Mr. Ajendra Bhargav at email: [it@faidelhi.org](mailto:it@faidelhi.org) or Call 7042400122

d) Members who would like to express their views or ask questions during the AGM may do so by sending their queries on e-mail id of company [secy@faidelhi.org](mailto:secy@faidelhi.org).

### AGM Notice Agenda Item No.6(b)

## The Fertiliser Association of India

**Budget for the year 1st April, 2021 to 31st March, 2022**

	(Rupees in lakhs)		(Rupees in lakhs)
<b>A INCOME</b>		<b>B EXPENDITURE</b>	
ANNUAL FEES		(a) Personnel	
Active members	253.17	1. Director General	101.74
Associate members (National )	33.80	2. Central Office	497.94
Overseas Associate members	33.00	3. Eastern Region	45.81
Technical & Professional Associate Members	2.60	4. Southern Region	41.43
Website Receipts	14.00	5. Western Region	42.77
		6. Northern Region	12.19
		<b>TOTAL</b>	<b>741.88</b>
<b>ENTRANCE FEE</b>		<b>OTHER EXPENSES</b>	
Active Members	0.00	<b>1. Administrative</b>	
Associate Members	0.00	i) Central	228.40
<b>MISCELLANEOUS INCOME</b>		ii) Regional	7.35
Income from Advertisement		<b>2. Publications</b>	
1 Sale & Subscription to Journals & Books		i) Central	33.80
a) Central	34.56	ii) Regional	8.50
b) Regional	13.50	<b>3. Liability for DDA &amp; MCD Taxes etc.</b>	19.20
2 Surplus of Training Courses (Excluding Overhead Costs)	30.00		
3 Interest on Deposit & Staff Advance	100.00	<b>TOTAL</b>	<b>297.25</b>
4 Income from Annual Seminar	200.00		
5 Property Income	148.43	<b>GRANT TOTAL ( a +b )</b>	<b>1039.13</b>
6 Miscellouns Receipts	8.00	<b>INCOME - EXPENDITURE A - B</b>	<b>-168.07</b>
		<b>C. CAPITAL EXPENDITURE BUDGET</b>	
		i) Central	0.00
		ii) Regional	0.00
<b>TOTAL</b>	<b>871.06</b>		<b>0.00</b>

## EXPLANATORY STATEMENT

### 3. Ratification of Appointment of Directors in Casual Vacancy and their appointment as Rotational Directors:

Members are hereby apprised that pursuant to the provisions of section 161(4) of the Companies Act, 2013 if the office of any director appointed by the company in general meeting is vacated before his term of office expires in the normal course, the resulting casual vacancy may, in default of and subject to any regulations in the articles of the company, be filled by the Board of Directors at a meeting of the Board which shall be subsequently approved by members in the immediate next general meeting, provided that any person so appointed shall hold 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.

#### Notice Item No. 3(i)

a) Mr. Alok Gaur, (DIN: 00112520) representing M/s Kanpur Fertiliser and Cements Limited (KFCL), was appointed as a Director in casual vacancy by the Board of Directors at its meeting held on 19.06.2020 which shall be subsequently approved by the Members of the Association in the immediate next general meeting.

None of the Directors except Mr. Alok Gaur himself is concerned or interested in the resolution.

b) The Board of Directors of FAI in its meeting held 28<sup>th</sup> August, 2020 have recommended the appointment of Mr Alok Gaur (DIN: 00112520) as Director of the Association whose period of Office will be liable to determination by retirement by rotation subject to approval of Members.

None of the Directors except Mr. Alok Gaur himself is concerned or interested in the resolution

#### Notice Item No. 3(ii)

a) Mr. Arvind Agarwal (DIN: 00122921) representing M/s Gujarat State Fertilizers & Chemicals Limited (GSFC), was appointed as a Director in casual vacancy by the Board of Directors at its meeting held on 19.06.2020 which shall be subsequently approved by the Members of the Association in the immediate next general meeting.

None of the Directors except Mr. Arvind Agarwal himself is concerned or interested in the resolution.

b) The Board of Directors of FAI in its meeting held 28<sup>th</sup> August, 2020 have recommended the appointment of Mr. Arvind Agarwal (DIN: 00122921) as Director of the Association whose period of Office will be liable to determination by retirement by rotation subject to approval of Members.

None of the Directors except Mr. Arvind Agarwal himself is concerned or interested in the resolution

#### Notice Item No. 3(iii)

a) Mr. S.C. Mudgerikar, (DIN:03498837) representing M/s Rashtriya

Chemicals & Fertilizers Ltd. (RCF), was appointed as a Director in casual vacancy by the Board of Directors at its meeting held on 02.12.2019 which shall be subsequently approved by the Members of the Association in the immediate next general meeting.

None of the Directors except Mr. S.C. Mudgerikar himself is concerned or interested in the resolution.

b) The Board of Directors of FAI in its meeting held 28<sup>th</sup> August, 2020 have recommended the appointment of S.C. Mudgerikar, (DIN:03498837) as Director of the Association whose period of Office will be liable to determination by retirement by rotation subject to approval of Members.

None of the Directors except Mr. S.C. Mudgerikar himself is concerned or interested in the resolution.

#### Notice Item No. 3(iv)

a) Mr. Virendra Nath Datt, (DIN: 07823778) representing M/s National Fertilizers Limited (NFL), was appointed as a Director in casual vacancy by the Board of Directors at its meeting held on 19.06.2020 which shall be subsequently approved by the Members of the Association in the immediate next general meeting.

None of the Directors except Mr. Virendra Nath Datt himself is concerned or interested in the resolution.

b) The Board of Directors of FAI in its meeting held 28<sup>th</sup> August, 2020 have recommended the appointment of Mr. Virendra Nath Datt, (DIN: 07823778) as Director of the Association whose period of Office will be liable to determination by retirement by rotation subject to approval of Members.

None of the Directors except Mr. Virendra Nath Datt himself is concerned or interested in the resolution.

#### Notice Item No. 3(v)

a) Mr. Rajan Chowdhry, (DIN: 02199935) representing M/s Krishak Bharati Cooperative Ltd (KRIBHCO), was appointed as a Director in casual vacancy by the Board of Directors at its meeting held on 19.06.2020 which shall be subsequently approved by the Members of the Association in the immediate next general meeting.

None of the Directors except Mr. Rajan Chowdhry himself is concerned or interested in the resolution.

b) The Board of Directors of FAI in its meeting held 28<sup>th</sup> August, 2020 have recommended the appointment of Mr. Rajan Chowdhry, (DIN: 02199935) as Director of the Association whose period of Office will be liable to determination by retirement by rotation subject to approval of Members.

None of the Directors except Mr. Rajan Chowdhry himself is concerned or interested in the resolution.

### Notice Item No. 3(vi)

a) Mr. Ashim Kumar Ghosh, (DIN: 08222413) representing M/s Brahmaputra Valley Fertilizer Corporation Ltd. (BVFCL), was appointed as a Director in casual vacancy by the Board of Directors at its meeting held on 02.12.1969 which shall be subsequently approved by the members of the Association in the immediate next general meeting.

None of the Directors except Mr. Ashim Kumar Ghosh himself is concerned or interested in the resolution.

b) The Board of Directors of FAI in its meeting held 28<sup>th</sup> August, 2020 have recommended the appointment of Mr. Ashim Kumar Ghosh, (DIN: 08222413) as Director of the Association whose period of Office will be liable to determination by retirement by rotation subject to approval of Members.

None of the Directors except Mr. Ashim Kumar Ghosh himself is concerned or interested in the resolution.

The Board commends the Resolutions set out from Item no. 3(i) to 3(vi) of the Notice for approval by the Members.

### Notice Item No. 4

i) M/s Mangalore Chemicals & Fertilizers Limited (MCFL) an Active Member of FAI, has proposed the candidature of Mr. K. Prabhakar Rao (DIN: 00898513) 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. K. Prabhakar Rao himself is concerned or interested in the resolution.

ii) M/s Gujarat Narmada Valley Fertilizers & Chemicals Limited (GNFC) an Active Member of FAI, has proposed the candidature of Mr. Pankaj Joshi (DIN: 01532892) 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. Pankaj Joshi 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 10<sup>th</sup> June, 2020. The Board of Directors in its meeting held on 19<sup>th</sup> June, 2020 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 12<sup>th</sup> May, 2017. Shri Satish Chander is discharging his duties quite effectively with great dynamism. There have been good results in the past. The Search Committee recommended the extension of the tenure of Shri Satish Chander in view of the dynamic situation and the significant changes that are likely to happen and also prevailing overall challenging times and it is not right to disturb DG's position and continue his position for one more year. The extension of the tenure of Shri. Satish Chander is on the existing terms and conditions.

He is designated as Managing Director "MD" as per provisions of section 196 read with relevant rules under the Companies Act, 2013. Further, in terms of Provisio to Sub-section 3 of 196 of the Companies Act 2013 a special resolution in this Annual General meeting of the company is required.

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

The Board commends the Resolution set out at Item no. 5 of the Notice for approval by the Members.

### 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 2021-22 have been approved by the Board on 28<sup>th</sup> August, 2020 and the same are given in the AGM Notice.

(b) The Budget for the year 2021-22 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 28<sup>th</sup> August, 2020.

The Board commends the Resolutions set out at Item no. 6 of the Notice for approval by the Members.

### DIRECTORS' REPORT

#### Executive Summary

The Board of Directors has pleasure in presenting 65<sup>th</sup> Annual Report of the Fertiliser Association of India along with the audited statement of accounts for the financial year ended on 31<sup>st</sup> March, 2020.

The year 2019-20 ended with mixed experience. On the one hand, there was robust growth in fertilizer consumption supported by exceedingly good monsoon, comfortable availability of water in the reservoirs and adequate availability of fertilizers from indigenous production and imports. On the other hand, fertilizer industry faced continued liquidity problems due to unpaid subsidy dues. Issues related to minimum fixed cost and energy consumption norms affected the urea units. Other issues of concern were in the areas of GST, DBT, etc. Continued efforts of FAI helped in getting resolved some issues. Outbreak of COVID 19 pandemic at the end of the year had some immediate impact on operations and logistics in the fertilizer sector. But timely action taken by the government helped in resolving the issues and industry's efforts mitigated the negative effect on production and despatches of fertilizers.

Despite delayed start of monsoon and deficit rains received in the month of June 2019, overall rainfall during South-west monsoon 2019 was a record 10 per cent above the LPA, raising the water storage level in major reservoirs much higher than previous year. Overall fertilizer consumption showed a robust growth supported by higher indigenous production and opening inventory at the beginning of the year. Increased import of urea and NP/NPKs also ensured comfortable availability.

Urea sector continued to face issue of under-recoveries of cost on various accounts under pricing and subsidy policies including non-payment of nominal increase in fixed cost allowed under Modified NPS-III Policy and further increase in element of fixed cost beyond what is allowed in Modified NPS-III policy. FAI continued its efforts for payment of increased fixed cost which was already approved. It is gratifying to note that finally, implementation of Modified NPS-III policy (without minimum fixed cost) was approved by the CCEA and the amendment to the policy was notified in March, 2020. However, fertilizer companies have not been able to raise bills for revised fixed cost due to lack of provision in Fertilizer Management System.

Payment of minimum fixed cost as per Modified NPS-III of 2014 remained under discussion with the government. FAI continued to follow up the issue even

after amendment to Modified NPS-III Policy in March 2020. The issue remained under consideration of the government.

Energy consumption (EC) norms of urea units have been tightened successively under the policy without recognizing the investment needed for achieving such level of energy efficiency. Energy consumption norms were reduced earlier in 2004, 2006 and 2015. NUP-2015 prescribed further drastic reduction in energy consumption norms w.e.f. 1<sup>st</sup> April, 2018 by categorizing entire urea industry under three groups with energy norms of 5.5, 6.2 and 6.5 Gcal /tonne of urea.

FAI has been pleading for extension of 2015 energy norms for all units (with exception of one unit) till reforms in the urea policy are in place including inclusion of urea in NBS. But, government implemented 2018 norms for 11 efficient gas based urea units w.e.f. 1<sup>st</sup> April, 2018. For remaining 14 gas based units, 2015 energy norms were extended for two years with a penalty clause. As a result of continuous follow up by FAI, government provided small relief to 14 gas based units by extending their norms by 6 months i.e. upto 30<sup>th</sup> September, 2020, with a penalty.

The continued efforts of the Government, FAI and the industry have improved the operation of direct benefit transfer (DBT) system considerably over the time. However, there were still instances of sale without PoS machine which caused loss of subsidy payment to the industry.

In view of outbreak of COVID-19 across the country, there was apprehension that farmers may be reluctant to provide biometric authentication on the PoS machines. A new provision was created in the system. Under the new provision, the first option is to sell fertilizers on biometric authentication failing which farmers could purchase fertilizers by providing Aadhaar number to retailer without biometric authentication as per the contactless option provided in the PoS machine.

Pending subsidy dues continued to remain a chronic problem affecting the liquidity position of the industry. The year 2019-20 started with outstanding dues of more than Rs. 39,000 crore carried forward from the previous years. Allocation for the year at Rs. 79,996 crore was grossly inadequate to meet the requirement for the reporting year including backlog of previous years. Thus, the year ended with an unpaid subsidy due of Rs.47,949 crore in spite of a banking arrangement (loan) of Rs. 10,000 crore at the end of the year. Out of Rs.47,949 crore dues at the end of 2019-20, major portion of Rs. 34,436 crore was due to urea units.

The budget allocation for 2020-21 was reduced to Rs. 71,309 crore from Rs.79,998 crore provided in RE for 2019-20. This was again grossly inadequate in comparison to actual requirement of almost Rs.1,28,000 crore to clear the backlog of payment and take care of requirement of Rs.80,000 crore for the year 2020-21.

In this regard, FAI approached the government at the highest level including PMO and the DOF with a few suggestions. These included (i) Removal of monthly/quarterly restrictions in release of budget allocation in view of large amount of pending dues, ii) Additional allocation of at least Rs.50,000 crore, (iii) Extension of period from 60 days to 180 days for financing of working capital by banks against subsidy receivables, and iv) Extension of credit upto 6 months by gas supplier. Interest on such credit is to be borne by the government.

There are number of court cases going on in Delhi High Court for seeking relief. These are the petitions filed by FAI on behalf of its members in the matters of i) reimbursement of balance of losses suffered on sale of bonds, ii) payment of interest on delayed payment of subsidy and freight bills, iii) recovery of additional cost due to non-recognized input taxation (ACTN) prior to 1<sup>st</sup> April, 2011 and iv) reimbursement of marketing margin on KG-D6 gas for past period. Progress in these cases is delayed because of repeated adjournments.

FAI continued to pursue with the Finance Ministry, GST Council and DOF regarding the pending issues related to GST. These *inter-alia* included refund of unutilized input tax credit with respect to input services and reduction in GST rate for ammonia, sulphuric acid, packing materials, etc. Other GST related issues pertain to levy of IGST on Ocean Freight on imported fertilizers and GST on freight on fertilizers sold on FOR basis resulting in double taxation.

Implementation of Plastic Waste Management Rules by the industry continued to remain an issue during the year. The results of FAI study on utilization of empty fertilizer bags by various sections of the society were shared with the government. MOEFCC issued a Draft Guideline Document on Uniform Framework on Extended Producers Responsibility (EPR). The Guideline Document proposed to provide some relief in implementation of EPR compared to existing Rules. FAI sent its comments and requested for reasonable target for fertilizer sector in view of reuse of empty fertilizer bags by the farmers for a long period of time. FAI also suggested a shared responsibility for recycle by stakeholders. FAI provided its comments on the Draft Environment Impact Assessment notification 2020 and Draft Battery Waste Management Rules 2020 issued by MOEFCC.

FAI continued to work with Bureau of Energy Efficiency (BEE) for compliance of energy saving targets by fertilizer industry under the Perform Achieve and Trade (PAT) scheme. Normalization factors were provided to manufacturers of the complex fertilizers as was done for urea plants earlier. The performance of fertilizer plants during PAT Cycle 2 was not very good. This is because targets provided were aspirational and not based on the potential for energy saving. FAI in its note to BEE highlighted that fertilizer plants had already achieved very high level of efficiency and there should not be any fresh saving targets for the sector.

In order to help the fertilizer plants to improve their operational efficiency, key process parameters were benchmarked across the industry. The results of benchmarking exercise were shared with the participating plants.

IFA has brought out the second and updated edition of phosphogypsum report titled 'Phosphogypsum-Leadership, Innovation, and Partnership (PG2)'. The report provides amongst other things updated information on utilization of phosphogypsum across various countries. FAI contributed in preparation of this valuable document.

FAI also continued to participate in the meetings of various committees of Bureau of Indian Standards (BIS) and provided inputs to The Energy and Resource Institute (TERI), Indian Chemical Council and Department of Commerce in order to ensure accurate representation of industry's views.

As a part of Industry-Academia cooperation, FAI participated in the Annual Session of Indian Institute of Chemical Engineers by way of sponsorship and presentation on developments in the ammonia production technologies and development of ammonia industry in India.

FAI participated in all the meetings of Central Fertiliser Committee (CFC) and provided its inputs. Some of the important items discussed in CFC meetings included; revised specifications of *neem* coated urea, amendments in specifications of fertilizers, inclusion of new fertilizer products in FCO, FIR on the basis of first analysis report, sale of bio-enriched organic manure in bulk, use of colored bags for packing fertilizers, review of fertilizer grades in FCO, etc.

The matter of revision of specifications of NCU has been in discussion for quite some time. In this regard, CFC had decided to commission a study. However, the same was delayed. FAI has been successful in deferment of implementation of specifications of NCU notified on 22<sup>nd</sup> March, 2018. Earlier specifications will

continue to apply till the time study on NCU is completed.

At the instance of FAI and industry, a number of products were brought under FCO during 2019-20. These include Calcium Dihydrogen Phosphate (fertilizer solution for foliar use), Bio-manure (Bio-slurry) and NPK 8:8:8 for foliar application.

FAI and industry continued to collaborate with international organizations in fertilizer and agriculture sectors, viz. FAO, IFA, IFDC, IPI, etc. It is heartening to mention that that Indian fertilizer industry has representation on the Board of IFA and in its various committees.

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 various awards. The two new awards were instituted in 2016-17 by IFFCO, namely, 'U.S. Awasthi-IFFCO awards' for life time contribution in the fields of agriculture and fertilizer industry. These awards were given to two eminent personalities for 2018-19. Dr. S. Nand, Deputy Director General, FAI won the prestigious U.S. Awasthi IFFCO Award for life time contribution for development of fertilizer industry. Prof. Rattan Lal of Ohio State University, USA received the U.S. Awasthi IFFCO Award for his life time contribution for development of agriculture.

FAI Annual Seminar 2019 was held at New Delhi during 2-4 December, 2019 devoted to the theme 'New Approach to Fertilizer Sector'. Hon'ble Minister of Shipping (IC) and Minister of State for Chemicals & Fertilizers, Mr. Mansukh L. Mandaviya inaugurated the programme. Hon'ble Union Minister of Chemicals & Fertilizers, Mr. D.V. Sadananda Gowda gave the valedictory address. The seminar was attended by more than 1200 delegates including about 120 foreign delegates from 30 countries.

FAI organized 45 training programmes/group discussions/workshops in various parts of the country on different subjects in the area 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 through e-mails, electronic media and publications. FAI website [www.faidelhi.org](http://www.faidelhi.org) *inter-alia* 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, daily news bulletin and blogs.

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

It is worthwhile to mention here that FAI has made sustained efforts to manage its budget without any increase in membership dues for last 7-years for active members and 10-years for associate members. This has been possible due to efficient management of expenses, mobilization of additional resources and rationalization of man power. FAI's reserves and surplus rose from Rs.6.38 crore in the year 2008-09 to Rs.24.71 crore in the year 2019-20. This will help FAI to tide over any crisis situation. Simultaneously, substantial capital investment has been made for improvement of physical and IT infrastructure in past few years including renovation of almost entire office, installation of new central air conditioning system, solar energy system and water harvesting system.

Government of India altered age old Companies Act 1956. Accordingly, FAI also amended its Articles of Association in conformance with the Companies Act 2013 and distributed its amended Articles of Association to all the members.

FAI has remained in full compliance with all the rules and regulations under various laws of the land related to Company Act, Labour laws, Income Tax, GST and various other financial legislations including filing of returns periodically.

FAI also brought out its Competition Compliance Policy keeping in view the provisions of Competition Act 2002 and sent to all the members of FAI for perusal and compliance in order to save them from penalties and legal action under the Act.

FAI is registered under section 12A of the Income Tax Act 1961 in the year 1994 according to which the income of the Association is exempted from income tax on the grounds of working for advancement object of general public utility as FAI is working for the promotion of fertilizer and agriculture sectors. In spite of this, income tax department imposed huge tax liabilities for the assessment years 2010-11 and 2011-12. FAI went through various adjudication stages. The case reached Supreme Court because of successive appeals by the income tax department. FAI got favourable decision even in Supreme Court during the year 2019-20.

FAI Staff Provident Fund Trust is exempted from the provisions of EPFO and always rated high by the EPFO every month. This has been possible due to efficient management of funds as per investment pattern notified

by the PF Commissioner. During COVID 19 pandemic, FAI helped its employees by immediate withdrawal of funds as permitted by the rules.

Apart from Provident Fund Scheme, FAI provides other various retirement benefit schemes like Superannuation Scheme, Group Gratuity Schemes, Leave Encashment Schemes to its employees. These schemes are managed by LIC on behalf of FAI.

FAI has switched from manual accounting system to electronic accounting system including for its branch offices. Branch offices were also registered separately under GST provisions during the year 2019-20.

FAI Secretariat continues to work efficiently and effectively under the able and experienced leadership of its Director General.

The details of major developments during 2019-20 are presented in the report.

### 1.0 MONSOON, FERTILIZER PRODUCTION, IMPORTS, AVAILABILITY AND CONSUMPTION

The year 2019-20 ended with a robust growth in fertilizer consumption supported by exceedingly good monsoon with comfortable availability of water in the reservoirs and adequate availability of fertilizers from indigenous production and imports. Outbreak of COVID 19 pandemic at the end of the year had some immediate impact on operations and logistics in the fertilizer sector. But timely action taken by the government helped in resolving the issues and industry's efforts mitigated the negative effect on production and despatches of fertilizers.

Details are discussed in the following paragraphs.

#### 1.1 Normal South-west Monsoon

1.1.1 South-west monsoon 2019 was delayed by a week from its normal arrival date of 1<sup>st</sup> June. It started with a heavy deficit in rainfall. During June 2019, the deficit in rainfall was 33 per cent of long period average (LPA). The situation improved significantly from mid-July 2019. Rains received during July 2019 was 5% above LPA and in August 15% above LPA. Heavy rains received during September 2019 touched a record level of 52% above LPA which was the second highest after 1917.

1.1.2 Overall rainfall during 1<sup>st</sup> June to 30<sup>th</sup> September, 2019 was 10 per cent above the LPA. With this, India recorded the highest rainfall during this monsoon season since 1994. As many as 31 sub-divisions received normal to excess rains and remaining 5 received deficient rains during the period. Nearly, 13 states were affected by floods / flood like situation due to heavy rainfall affecting fertilizer use and crops like rice,

sugarcane, pulses, soyabean, cotton and vegetables.

1.1.3 The south-west monsoon 2019 continued after its normal date of withdrawal of 1<sup>st</sup> September from Rajasthan and spilled over to early October 2019 making it the most delayed withdrawal in recorded history.

1.1.4. Water storage position in major reservoirs was comfortable in 2019 and much better than the previous year. Live storage in 120 reservoirs in the country was 172.06 BCM in 2019. During *kharif* 2019, live storage available in these reservoirs was 151.09 BCM as against 128.60 BCM during the corresponding period in the previous year. This was 117% of last year's storage and 123% of normal storage.

1.1.5 Despite overall good monsoon, its delayed start affected *kharif* sowing in some states resulting in marginal shrinkage (-2.5%) in area covered. Total area sown during *kharif* 2019 was estimated at 105.45 million hectares (Mha) as compared to 108.20 Mha during the corresponding season in the previous year. But total area sown under *rabi* 2019-20 at 62.52 Mha was around 5 per cent higher than *rabi* 2018-19.

#### 1.2 Adequate Availability of Fertilizers

1.2.1 There was adequate availability of fertilizers from opening inventory, indigenous production and imports to cater to the increased demand during 2019-20. Inventory of urea at various points excluding stock at the dealers' point was about 1.1 million MT at the beginning of the year 2019-20. Inventory of DAP and NP/NPKs together was about 2.7 million MT, SSP 0.58 million MT and MOP 0.63 million MT at the end 2018-19.

##### 1.2.2 Increase in Production

1.2.2.1 After suffering a setback in production during the preceding year, overall production of total nutrients (N+P<sub>2</sub>O<sub>5</sub>) recorded a growth of 3.3% during 2019-20 over 2018-19. Production of N at 13.72 million MT and P<sub>2</sub>O<sub>5</sub> at 4.79 million MT during 2019-20 registered increase of 2.9% and 4.4%, respectively, over 2018-19. Overall production of total nutrients increased due to rise in production of all major fertilizer products except NP/NPK complex fertilizers which declined by 3.5% during the year. Production of urea, DAP and SSP increased by 2.3%, 16.7% and 4.3%, respectively. In absolute terms, total production of urea, DAP, NP/NPKs and SSP was of the order of 24.5 million MT, 4.5 million MT, 8.7 million MT and 4.3 million MT, respectively during 2019-20.

1.2.2.2 One urea plant at Goa was shut down for half of the year due to lack of funds for purchase of natural gas. Another urea plant in Andhra Pradesh was also under

shut down due to liquidity problem of the company. Some of the DAP/NP/NPK fertilizer plants suffered due to problem of availability of raw materials. These bottlenecks caused loss of production during the year.

### 1.2.3 Import of Fertilizers

1.2.3.1 Import of urea and NP/NPKs increased significantly, whereas import of DAP and MOP was lower over the previous year. There had been increase in import of urea by 21.9% and NP/NPKs by 36.6% during 2019-20 over 2018-19. Conversely, import of DAP declined by 26.2% and MOP by 12.9% during the period. The quantum imports of urea, DAP, NP/NPKs and MOP was 9.12 million MT, 4.87 million MT, 0.75 million MT and 3.67 million MT, respectively, during 2019-20.

### 1.3 Robust Growth in Consumption

1.3.1 The actual consumption data of fertilizers for 2019-20 are yet to be finalized by the government. In absence of actual consumption data, DBT sale figures of 2019-20 have been used as equivalent to estimated consumption. Aided by good weather, comfortable availability of water in the reservoirs and adequate availability of fertilizers, consumption of fertilizers in terms of nutrients (N+P<sub>2</sub>O<sub>5</sub>+K<sub>2</sub>O) at 29.41 million MT recorded a robust growth of 8% during 2019-20 over 2018-19.

1.3.2 The estimated consumption of N and P<sub>2</sub>O<sub>5</sub> at 19.14 million MT and 7.67 million MT showed increase of 8.5% and 11%, respectively. However, consumption of K<sub>2</sub>O at 2.61 million MT showed a decline of 2.6% during the period.

1.3.3 In terms of product, All-India estimated consumption of urea, DAP, SSP and NP/NPK complex fertilizers increased by 7.2%, 9.6%, 23% and 9.2%, respectively, during 2019-20 over 2018-19. However, consumption of MOP showed decline of 5.7% during the period.

1.3.4 State-wise analysis of fertilizer consumption makes an interesting reading. Consumption of urea recorded positive growth in majority of the states except Assam, Haryana, Jammu & Kashmir, Uttarakhand, and Goa. Similarly, the growth in consumption of DAP was positive in all major consuming states except Jharkhand, Haryana, Himachal Pradesh, Jammu & Kashmir, Karnataka, Kerala and Goa. In contrast, consumption of NP/NPKs showed a mixed growth. However, consumption of MOP marked negative growth in major consuming states except Bihar and Odisha in east zone; Himachal Pradesh, Uttar Pradesh and Uttarakhand in north zone; Andhra Pradesh and Telangana in south zone and Madhya Pradesh and Chhattisgarh in west zone where consumption of MOP showed positive growth during the period.

## 2.0 POLICIES RELATED TO FERTILIZER SECTOR

### 2.1 Major Issues Faced by Fertilizer Industry

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

### 2.2 Issues of Urea Sector

#### 2.2.1 Increased Fixed Cost

Urea sector continued to face issue of under-recoveries of cost on various accounts under pricing and subsidy policies. These *inter-alia* included non-payment of nominal increase in fixed cost allowed under Modified NPS-III Policy and further increase in element of fixed cost beyond what is allowed in Modified NPS-III policy. Investment to maintain operational efficiency of old plants and also for energy improvement projects continued to be denied. FAI continued its efforts for payment of increased fixed cost at least which was already approved. Finally, the implementation of Modified NPS-III policy was approved by the CCEA on 13<sup>th</sup> March, 2020 with removal of the clause 3.2 pertaining to minimum fixed cost. The amendment to the policy was notified on 30<sup>th</sup> March, 2020.

#### 2.2.2 Minimum Fixed Cost

Payment of fixed cost as per Modified NPS-III of 2014 remained under discussion with the government. FAI continued to follow up the issue even after amendment to Modified NPS-III Policy in March 2020. DG FAI made a presentation before the Hon'ble Minister of State for Chemicals and Fertilizers. The presentation covered adverse impact of non-payment of fixed cost on both production upto 100% reassessed capacity (RAC) and production beyond RAC. This would also affect the three urea manufacturers very badly pushing their balance sheets into red. CEOs of NFL, RCF and KRIBHCO also participated in the meeting and put forth their views regarding minimum fixed cost. The issue remained under active consideration of the government.

#### 2.2.3 Revision in Energy Consumption Norms

Energy consumption (EC) norms of urea units have been tightened successively under the policy without recognizing the investment needed for achieving such level of energy efficiency. The New Pricing Scheme

provided that neither capital investments would be recognized, nor operational efficiency would be mopped up. But, the government implemented the policy selectively *i.e.*, energy efficiencies were mopped up, but investment was not recognized. Energy consumption norms were reduced in 2004 and 2006 under New Pricing Scheme. Energy consumption norms were again reduced in 2015 under New Urea Policy (NUP) without recognizing costs related to investment in energy saving projects.

2.2.3.1 NUP-2015 prescribed further drastic reduction in energy consumption norms *w.e.f.* 1<sup>st</sup> April, 2018 by categorizing entire urea industry under three groups with energy norms of 5.5, 6.2 and 6.5 Gcal/tonne of urea. These norms were prescribed without any assessment of energy saving potential of various plants. There was also no consideration for large capital investment required to achieve these norms. In other words, the techno-economic feasibility of prescribed savings was never considered.

2.2.3.2 FAI has been pleading for extension of 2015 energy norms for all units (with exception of one unit) till reforms in the urea policy are in place including inclusion of urea in NBS. But, government implemented 2018 norms for 11 efficient gas based urea units *w.e.f.* 1<sup>st</sup> April, 2018. Annual impact of this reduction on the industry was about Rs.670 crore at 2019-20 energy rates. For remaining 14 gas based units, 2015 energy norms were extended for two years with a penalty of 2% in the 1<sup>st</sup> year (2018-19) and 5% penalty in the 2<sup>nd</sup> year 2019-20.

2.2.3.3 This issue was also represented before the Committee set up under the Chairmanship of Member, NITI Aayog. Urea units using coal for steam and power generation also argued their case and demonstrated that the cost of production will increase if they were to switch to natural gas as fuel. This will increase the subsidy per unit of urea for these plants. Moreover, it will require high capital investment upfront.

2.2.3.4 As a result of continuous persuasion, government provided small relief to 14 gas based units by extending their norms by 6 months *i.e.* upto 30<sup>th</sup> September, 2020 vide DOF's notification dated 7<sup>th</sup> July, 2020. But, there is penalty of 10% of difference between 2015 and 2018 (target) energy norms for these 14 units. Thus, energy consumption norms for plants in all three groups will be applicable *w.e.f.* 1<sup>st</sup> October, 2020. This will have an annual impact of more than Rs.1200 crore based on current energy prices.

### 3.0 POLICIES RELATED TO P&K FERTILIZERS

#### 3.1 NBS Policy for 2019-20

3.1.1 The Department of Fertilizers vide O.M. dated 29<sup>th</sup> March, 2019 notified the continuation of NBS (nutrient

based subsidy) rates of 2018-19 for 2019-20 provisionally on the same terms and conditions pending approval of CCEA. Further on 7<sup>th</sup> August, 2019, Department of Fertilizers notified Rs. 18.901, Rs. 15.216, Rs. 11.124 and Rs. 3.562 per kg as NBS rates for fertilizer nutrients *viz.*, N, P, K and S, respectively for the year 2019-20. The rates were made applicable from 7<sup>th</sup> August, 2019 for the remaining period of 2019-20. While the rates for N, P and K were the same but there was increase in per kg NBS rate of S from Rs. 2.722 in 2018-19 to Rs. 3.562 in 2019-20.

#### 3.2 NBS Policy for 2020-21

3.2.1 The per kg NBS rates of fertilizer nutrients namely N, P, K and S for 2020-21 as notified by the Department of Fertilizers vide O.M. dated 3<sup>rd</sup> April, 2020 are Rs.18.789, Rs.14.888, Rs.10.116 and Rs. 2.374, respectively. A new grade 14-28-0-0 has been included in the NBS scheme. All these rates are lower than those for 2019-20.

#### 3.3 Reasonableness of MRP for P&K Fertilizers

3.3.1 The Department of Fertilizers constituted a Committee under the Chairmanship of Additional Secretary (Fertilizers) to study the reasonableness of MRP for P&K fertilizers and to give recommendations for developing the reasonableness evaluation methodology. The Committee had representatives from two fertilizer companies. At the request of FAI, DG was also included in the Committee in the 3<sup>rd</sup> meeting. Four meetings of the Committee were held. Prior to 3<sup>rd</sup> meeting of the Committee held on 18<sup>th</sup> June, 2019, a consultation meeting of FAI members was held on 17<sup>th</sup> June, 2019. There was consensus on most of the issues including furnishing of the cost data and return of 12% to the industry in the 3<sup>rd</sup> meeting of the Committee. However, the government's view was that 12% return should be on the cost minus subsidy. DG, FAI and industry representative pointed out that if subsidy portion was excluded then the return would be 8.4% and post-tax return would only be 5.5%. It was also brought out that if the logic of return on cost net subsidy is extended to urea, then it would be completely irrational. The Department of Fertilizers agreed to consider industry's point of view of return on total cost of supply.

3.3.2 In the subsequent meeting held in the Department of Fertilizers on 25<sup>th</sup> July, 2019, DG, FAI again emphasized that 12% profit margin should be applied on cost of sales for the profit to be reasonable and total revenue earned for that product (sum of MRP and subsidy) should not be more than 112% of the cost of sale.

3.3.3 The Department of Fertilizers vide OM dated 15<sup>th</sup> November, 2019 issued the guidelines. The following formula was adopted for calculating the reasonableness of MRP:

If Net MRP + Subsidy  $\leq$  1.12 x Cost of sales, profit margin is reasonable.

If Net MRP + Subsidy  $>$  1.12 x Cost of sales, profit margin is unreasonable.

Net MRP = MRP – Dealer margin - Discount

### 3.4 Marketing of Indigenous P&K Fertilizers by Marketers

3.4.1 The NBS policy permits only manufacturers and importers of P&K fertilizers to market fertilizers and claim subsidy. There is no provision in the policy for manufacturers of having a marketing arrangement with another company except SSP. FAI requested the Department of Fertilizers for a provision of marketing arrangements for P&K fertilizers under NBS policy. This will enable to expand the market for domestic manufacturers and improve utilization of domestic capacity. It was stated that the entries of new players will also bring further competition in the market and will be in the interest of Indian farmers. The marketers could be treated at par with importers, when they source P&K fertilizers from local manufacturing units in India. It was also requested to consider the payment of subsidy and primary freight to the marketers. They may be allowed to sell under their own brands. In response to the query from the DOF, it was clarified that the companies which wish to enter fertilizer business or wish to extend their business in the sector may be interested to become marketers. The DOF has not taken a decision in the matter.

### 3.5 Issues Related to SSP

3.5.1 As a follow up to the meeting of SSP manufacturers on 6<sup>th</sup> February, 2019 with the Secretary (Fertilizers), the Department of Fertilizers constituted a Committee under the Chairmanship of Joint Secretary with representatives from DOF, FAI and SSP industry to consider and make recommendation 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.

3.5.2 In the 1<sup>st</sup> meeting held on 22<sup>nd</sup> March, 2019, the points emerged from the meeting are as follow:

- (i) The industry representatives were of the view that the present system of pre-testing of ERP by PDIL/ FEDO should be reviewed.
- (ii) The industry representatives felt that at present, companies themselves get the quality checked of ERP

at the loading port. It was agreed that there is no need of any change in the present practice. However, it was agreed that FAI would explore the possibility of nominating/empaneling the accredited international agencies for quality checks at the loading port.

- (iii) The issue of quality check of beneficiated rock phosphate (BRP) was also discussed and it was decided that the possibility of having other test mechanism for BRP would be explored.

3.5.3 As per minutes of the second meeting of the Committee held on 17<sup>th</sup> May, 2019, FAI provided the following inputs:

- (i) DG, FAI suggested two names for the Committee to conduct techno-commercial and environment study to analyze the feasibility of production of good quality BRP by the four manufacturing units.
- (ii) FAI suggested the name of the nodal authority in Egypt to the DOF through which the suppliers of ERP can be sensitized for supply of notified grades of quality rock to India.
- (iii) DG, FAI also suggested the four accredited international agencies with their contact details who can be authorized for quality checks at the loading/unloading ports.

3.5.4 Subsequently, DOF issued the guidelines for random sampling of ERP by PDIL/FEDO vide OM dated 9<sup>th</sup> July, 2019, till a better mechanism for quality check is formulated.

3.5.5 Further, the terms of reference of the Committee were modified by the DOF on 19<sup>th</sup> July, 2019 to include quality checks of rock phosphate, beneficiated rock phosphate (BRP), online monitoring of SSP production and quality of finished SSP.

3.5.6 The 3<sup>rd</sup> and 4<sup>th</sup> meetings of the Committee were held on 6<sup>th</sup> August, 2019 and 3<sup>rd</sup> January, 2020, respectively. In the 4<sup>th</sup> meeting representative of Ostwal Group presented his views and concerns on behalf of the BRP manufacturers. The other issues given in terms of reference were also deliberated in the meetings.

3.5.7 A Multi-Disciplinary Committee (MDC) was constituted on 21<sup>st</sup> August, 2019 by the DOF with the mandate to visit the existing private BRP plants for conducting techno-commercial, environmental study and to analyze and give a report regarding feasibility of production of good quality BRP for manufacturing SSP. The members comprise of Dr. S. Nand, DDG, FAI; Mr. V.K. Goyal, Ex-ED (Technical), NFL; Mr. M.M. Sinha, AGM & HOD (SSP&QC Audit), PDIL and Mr. Vinay Kumar Pandey, Director (P&K), DOF. Two meetings of the MDC

were held on 3<sup>rd</sup> and 26<sup>th</sup> September, 2019 and the relevant parameters, check points and methodology to conduct the study were deliberated. The detailed proforma prepared by the committee members was finalized and shared with the BRP companies to provide information as per the proforma. The Committee visited all the four plants of BRP manufactures. The Committee collected additional information and data and witnessed operation of plants. Samples of rock, BRP and tailings were collected following due procedures for analysis in PDIL laboratory. Committee is expected to submit the report shortly.

### 3.6 Opening up of the System for Acknowledgement of Remaining Stocks Prior to DBT Regime

3.6.1 Before implementation of DBT, FAI requested the Secretary (Fertilizers) and other officials of the Department many a times to unlock the system m(FMS) to enable the fertilizer companies to get the pending quantities of fertilizers acknowledged by the wholesalers/retailers. The Department opened up the system several times before implementation of DBT system. However, some quantities still remained unacknowledged. FAI vide letter dated 24<sup>th</sup> July, 2019 again requested the Secretary (Fertilizers) to consider opening the mFMS/iFMS for one last time for purpose of acknowledgement of the remaining stocks of fertilizers by wholesalers and retailers prior to DBT regime. In the event of a major difficulty, an alternative mechanism including payment based on certification through B<sub>1</sub>/B<sub>2</sub> proforma for setting pre-DBT claims can be adopted. DOF has not any action in this regard.

## 4.0 OTHER POLICY RELATED ISSUES

### 4.1 Coastal Movement of Fertilizers

4.1.1 Sagarmala project is a flagship programme of the Government of India and the Ministry of Shipping is keen to increase the quantum of fertilizer movement through coastal route. FAI has been working with the DOF and Ministry of Shipping regarding the policy for entitlement and procedure for claiming freight reimbursement through coastal movement of fertilizers. Department of Fertilizers vide O.M. dated 17<sup>th</sup> June, 2019 issued revised guidelines for freight subsidy for coastal shipping/inland waterways. The DOF issued further clarifications vide O.M. dated 18<sup>th</sup> September, 2019.

4.1.2 Ministry of Shipping aims to achieve utilization of full potential of coastal shipping in the line with providing cost-effective and environment-friendly transportation. Joint Secretary (Sagarmala), Ministry of Shipping took a meeting on 9<sup>th</sup> September, 2019 to interact with industry on the pending issues hampering adoption of coastal shipping. The industry

representatives emphasized on the need for on-line submission of freight bills and reduction of GST on multi-mode transportation from 12% to 5% as applicable to railway freight. They also underlined need for fertilizer freight policy may also be extended to the coastal shipping of imported fertilizers.

4.1.3 The Hon'ble Minister of State for Shipping (IC) and Minister of State for Chemicals & Fertilizers convened a meeting on 25<sup>th</sup> February, 2020 on the issue of movement of fertilizers by coastal shipping. He expressed concern on the issue of not allowing the movement of imported fertilizers through coastal route in the country. He asked the Department of Fertilizers for a presentation on the current freight policy including freight reimbursement policy for coastal shipping. He also wanted that we should reduce the procedural delays in reimbursement of freight through coastal shipping.

### 4.2 Sale of Subsidized Customized/Mixture Fertilizers

4.2.1 Department of Fertilizers had notified the interim procedure for sale of subsidized fertilizers to customized/mixture fertilizer manufacturing units under DBT system on 23<sup>rd</sup> May, 2018 for a period of six months. Department of Fertilizers also constituted a Committee to examine and suggest the mechanism for sale of subsidized fertilizers to customized/mixture fertilizer manufacturing units. Further, in absence of an alternative policy, DOF extended the interim procedure twice up to 22<sup>nd</sup> May, 2020.

4.2.2 Since, the interim procedure was to expire on 22<sup>nd</sup> May, 2020, DG, FAI vide mail dated 17<sup>th</sup> May, 2020 requested the Secretary (Fertilizers) to further extend the procedure by one year for sale of subsidized fertilizers to the customized/mixture fertilizer manufacturing units. DOF extended the interim procedure by 6 months effective from 23<sup>rd</sup> May, 2020.

## 5.0 DBT IN FERTILIZER SECTOR

5.1 With continued interaction and feedback of FAI and Industry, operation of the DBT system has improved considerably over the time. The Board of Directors of FAI in its meeting on 7<sup>th</sup> August, 2019 discussed the issues related to operation of DBT. It was felt that there were still few difficulties which need to be addressed by the DOF/NIC. FAI requested its members to send the remaining problems related to DBT system. In response, members raised a number of issues which were conveyed to the DOF informally.

5.2 The Department of Fertilizers launched DBT 2.0 initiatives on 10<sup>th</sup> July, 2019. This is an advanced multi-lingual desktop version of PoS software as an alternative or added facility to PoS devices. Retailers with computer

can use this software for sale of fertilizers. The dashboard (<https://urvarak.nic.in>) illustrates the details of fertilizers at national, state and district level. The new PoS 3.0 software version provides multi-lingual facility, Aadhaar Virtual ID option and fertilizer recommendation based on soil health card.

5.3 The intention of the Government of India for direct benefit transfer (DBT) of subsidy in the bank accounts of the farmers with a pilot project in one state was deliberated in the FAI Board meeting held on 25<sup>th</sup> September, 2019. The members felt that the industry should be involved in the discussion with the DOF for working out the models for fertilizer subsidy. The issue was discussed with the Secretary (Fertilizers) on 26<sup>th</sup> September, 2020. It was found that the process is in initial stage and no model (either NBS or DBT) is in offing at the moment. FAI had requested the members vide mail dated 7<sup>th</sup> October, 2019 to send their inputs and any practical model that could be discussed for further within FAI before FAI conveys its inputs to the Government. There was no substantial feedback from the members.

5.4 In view of outbreak of COVID-19 across the country, there was apprehension that farmers may be reluctant to provide biometric authentication on the PoS machines. A new provision was created in the system. An advisory was sent by DOF on 27<sup>th</sup> April, 2020 to the Principal Secretaries (Agriculture) of all States/UTs about the new provision in the PoS machine for Aadhaar-based sales without biometric authentication. It was stated that the first option to sell fertilizers is biometric authentication. However, those farmers who are not willing to use Aadhaar biometric authentication can purchase fertilizers by providing Aadhaar number to retailer without biometric authentication as per the contactless option provided in the PoS machine.

### 5.5 Non-generation of Subsidy Claims in Respect of Jammu and Kashmir

5.5.1 Due to disrupted internet connectivity in J&K since 5<sup>th</sup> August, 2019, the wholesalers and retailers were unable to acknowledge the receipt of fertilizers. However, sales of fertilizers were taking place without the PoS (point of sale) machines. Fertilizer industry was unable to claim subsidy on such un-acknowledged quantities which were sold without PoS machines. DG, FAI vide letter dated 31<sup>st</sup> October, 2019 requested the Secretary (Fertilizers) to release subsidy to the fertilizer companies for these quantities.

5.5.2 A meeting was convened by the Department of Fertilizers under the Chairmanship of Joint Secretary (Fertilizers) on 18<sup>th</sup> December, 2019 with fertilizer suppliers operating in J&K. Department of Agriculture of the Union Territory suggested to release 60% subsidy to the suppliers of fertilizers against the receipt of

fertilizers in the Union Territory and balance could be settled after the restoration of internet connectivity. Suppliers emphasized on the release of subsidy on receipt of fertilizers at the wholesaler's level in J&K as a short-term plan. They also suggested on the medium-term and long-term plans to sustain regular supply of fertilizers in the region.

5.5.3 As the problem of internet connectivity continued, FAI requested the Secretary (Fertilizers) again to release the 95% subsidy for urea and 90% subsidy in case of NP/NPK/MOP on receipt of fertilizers in the district. The balance payment of subsidy may be made on acknowledgement of receipt by the retailers. This is as per the policy prior to implementation of DBT scheme in the fertilizer sector. It was also requested to revise the freight rate for secondary movement of urea for J&K and open up the Jammu rake point for movement of fertilizers to Kashmir Division. DOF has not taken any action on the issue.

### 6.0 FAI COURT CASES

6.1 Fertilizer industry suffers under-recovery of cost on various counts due to denial of recognition of legitimate elements of cost under the pricing and subsidy policies of the Government of India. FAI takes up these issues at appropriate levels. However, when all the administrative redressal avenues are exhausted, industry is forced to pursue legal recourse. There are four court cases going on in Delhi High Court for seeking relief. Following paragraphs provide latest developments of the ongoing court cases being pursued by FAI on behalf of the industry.

#### 6.2 Writ Petition in the Matter of Fertilizer Bonds (WPC - 1861//2013)

6.2.1 Government had issued bonds to fertilizer companies against their wishes in 2007-08 and 2008-09 in lieu of subsidy to be paid in cash, due to budget constraints. Fertilizer companies suffered huge losses in sale of these bonds in the market and also under buy-back scheme of the government. Government compensated only 50% of the losses. The companies were forced to approach Hon'ble Delhi High Court for reimbursement of balance loss and buy-back of remaining bonds to avoid further loss to the companies.

6.2.2 Written pleadings in the case have been completed. FAI counsel pleaded that government decision to compensate 50% loss was interim and petitioners did not agree for compensation of only 50% losses. Further, government's final decision, if any, to this effect had not been communicated to the petitioners. Subsequently, DOF communicated on 12<sup>th</sup> April, 2019 its decision that the remaining 50% of total loss on account of buy-back of bonds shall be borne by fertilizer companies. DOF also stated that no further intervention is necessary in respect of losses incurred on account of sale or buy-back of fertilizer bonds as well as in respect

of unsold bonds with fertilizer companies. FAI has filed application on 3<sup>rd</sup> May, 2019 seeking ad-interim stay on DOF's above decision. FAI also pleaded for adjudicating the Writ Petition on its own merit and quash DOF communication dated 12<sup>th</sup> April, 2019. DOF has filed reply to this on 7<sup>th</sup> November, 2019 with application for condonation of delay. The case was listed for 30<sup>th</sup> June, 2020. But, due to COVID-19 pandemic, it has been adjourned to 25<sup>th</sup> August, 2020 and further to 19<sup>th</sup> October, 2020.

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

6.3.1 Payment of subsidy is inordinately delayed under the pricing and subsidy policies of the government for fertilizers. The government does not allow any interest on such delayed payments. Fertilizer companies have to arrange additional working capital and pay interest on such additional working capital. This interest cost is not recognized under pricing and subsidy policies. Further, government charges interest and even penal interest on any delayed recovery from the industry. Repeated pleas to the government for interest on payment of subsidy dues delayed beyond a certain period did not yield any results. Hence, the industry filed a Writ Petition in Hon'ble Delhi High Court in the matter in 2013. The Hon'ble Delhi High Court directed DOF to decide the matter in terms of Office Memorandum dated 14<sup>th</sup> February, 2011. However, DOF vide its communication No. 21011/4/2013-MPR dated 6<sup>th</sup> January, 2015 rejected FAI representation for interest on delayed payments. Hence, a second Writ Petition in the matter was filed in 2015.

6.3.2 Written pleadings in the case have been completed. FAI submitted data on outstanding dues as on 31<sup>st</sup> March of every year from 2013-14 to 2017-18 as per court's instruction on 25<sup>th</sup> April, 2018. However, DOF submitted affidavit on 30<sup>th</sup> October, 2019 providing status of outstanding subsidy as on 21<sup>st</sup> August, 2019 and stated that no dues were pending. DOF's plea has been strongly objected by FAI counsel submitting that DOF has tried to mislead the Hon'ble Court. Fresh data comprising age-wise, year-wise, company-wise information on outstanding subsidy was collected from companies and submitted to the Hon'ble Court on 24<sup>th</sup> February, 2020. Data of outstanding subsidy shown in DOF's own publication, which depicted large amount of outstanding dues was also submitted to the Court. The respondent has sought time to examine the same. The matter was adjourned for 24<sup>th</sup> August, 2020 and now listed for 16<sup>th</sup> October, 2020.

### 6.4 Writ Petition for Recovery of Additional Cost due to Non-Recognized Input Taxation (ACTN) Prior to 1<sup>st</sup> April, 2011 (WPC -1822/2016)

6.4.1 State governments of Gujarat and Uttar Pradesh levied additional VAT on feedstock for urea manufacturing like natural gas. These taxes are not

recognized under the pricing and subsidy policy for urea. But, these being statutory levies, companies cannot avoid such costs. On repeated persuasion, government brought a policy for recovery of such taxes by way of additional MRP of urea in these states from prospective date of 1<sup>st</sup> April, 2011. Recovery of these additional costs due to unrecognized input taxes (ACTN) for the period prior to 1<sup>st</sup> April, 2011 remained un-resolved. Hence, the concerned urea companies were forced to approach Hon'ble Delhi High Court for recovery of these costs for the period prior to 1<sup>st</sup> April, 2011.

6.4.2 FAI counsel argued that decision of the respondent not to reimburse additional taxes is per se, discriminatory, as similar tax (purchase tax) levied on natural gas has been reimbursed to one of the fertilizer companies. FAI also submitted that respondent had not replied to this aspect in its reply which was one of the arguments submitted by the petitioners. The respondent has sought time to reply. The arguments were partly heard on 2<sup>nd</sup> August, 2019 and both parties were asked to file written synopsis of arguments. After that no substantial progress has been made except adjournments on various grounds. It was listed for 28<sup>th</sup> July, 2020, but due to COVID-19 pandemic, it has been adjourned to 22<sup>nd</sup> September, 2020.

### 6.5 Case Relating to Marketing Margin (WPC - 6068 of 2019)

6.5.1 The Hon'ble Delhi High Court vide its order dated 12<sup>th</sup> November, 2014, in FAI's petition WPC-3050 of 2012, directed DOF to pay marketing margin of Rs. 200 per MSCM as thought reasonable by the PNGRB on interim basis. On subsequent follow up and contempt petition by FAI, the Ministry of Petroleum and Natural Gas (MOPNG) notified marketing margin w.e.f. 18<sup>th</sup> November, 2015 vide notification dated 24<sup>th</sup> November, 2015 for supply of gas from all domestic sources. The DOF started paying the marketing margin from notified date. FAI then filed an application in Hon'ble High Court that the marketing margin should be paid from the date of supply of gas from KG-D6. This was not accepted by the DOF. It took the plea that court order did not mention the date hence it was not liable to pay for the past period. Hon'ble Delhi High Court disposed-off the FAI application with a freedom to file fresh petition seeking date from which marketing margin to be paid.

6.5.2 FAI filed a fresh petition No. W.P (C) No. 6068 of 2019 for reimbursement of marketing margin paid on gas from KG-D6 for period prior to 18.11.2015 which is pending in Delhi High Court. Department of Fertilizers filed a counter affidavit. FAI has filed a rejoinder to the counter affidavit of the DOF. The MOPNG which is also a respondent in the FAI petition filed its counter affidavit on 21<sup>st</sup> September, 2019. The same was taken on record in hearing on 23<sup>rd</sup> September, 2019. Subsequently, FAI filed a rejoinder to the counter affidavit of MOPNG. The

petition was listed for hearing on 10<sup>th</sup> December, 2019. At the request of the counsel for respondents, the matter was adjourned to 14<sup>th</sup> February, 2020. The bench could not assemble on the date and the matter was listed for 18<sup>th</sup> May, 2020 and further got adjourned to 23<sup>rd</sup> October, 2020 as functioning of the court was affected due to COVID -19.

## 7.0 BUDGET ALLOCATION AND PAYMENT OF SUBSIDY

### 7.1 Fertilizer Industry Pre-Budget Memorandum

7.1.1 FAI submitted Pre-Budget Memorandum of fertilizer industry for Union Budget 2020-21 to the Ministry of Finance and Department of Fertilizers. Apart from issues related to direct and indirect taxation, the memorandum *inter-alia* pleaded for the following:

- (i) Additional allocation of Rs. 30,000 crore for the year 2019-20 for at least part payment of pending subsidy dues.
- (ii) Special Banking Arrangement to tide over the shortage of funds even after supplementary grants, and
- (iii) Adequate allocation of funds for the year 2020-21 based on the realistic assessment.

### 7.2 Budget Allocation

7.2.1 Table below provides the data on payment of fertilizer subsidy for the years 2018-19 to 2020-21.

Fertilizer Subsidy 2018-19 to 2020-21 as per Budget Documents (Rs. Crore)				
Particulars	2018-19 Actual	2019-20		2020-21 BE
		BE	RE	
<b>(A) Urea Subsidy</b>	<b>46514.45</b>	<b>53629.00</b>	<b>53629.00</b>	<b>47805.00</b>
Payment for indigenous urea	32189.50	43050.00	43050.00	38375.00
Payment for imported urea (net of recovery)	14317.98	10569.00	10569.00	9420.00
Direct benefit transfer in fertilizer subsidy	6.97	10.00	10.00	10.00
<b>(B) Nutrient Based Subsidy</b>	<b>24080.35</b>	<b>26335.00</b>	<b>26335.00</b>	<b>23475.00</b>
Payment for indigenous P&K fertilizers	14820.35	15906.00	15906.00	14179.00
Payment for imported P&K fertilizers	9260.00	10429.00	10429.00	9296.00
<b>(C) Payment for City Compost</b>	<b>10.00</b>	<b>32.00</b>	<b>33.85</b>	<b>29.00</b>
<b>Grand Total (A+B+C)</b>	<b>70604.80</b>	<b>79996.00</b>	<b>79997.85</b>	<b>71309.00</b>

Source: Union Budget – 2020-21  
BE= Budget Estimate, RE= Revised Estimate

### 7.2.2 The year 2019-20

The year started with outstanding dues of more than Rs. 39,000 crore carried forward from the previous year. Allocation for the year at Rs. 79,996 crore was grossly inadequate to meet the requirement for the year including backlog of previous year. Repeated pleadings by the industry for additional allocation of Rs. 30,000 crore were not accepted by the Finance Ministry. Thus, the year ended with an unpaid subsidy due of Rs. 47,949 crore inspite of a banking arrangement (loan) of Rs. 10,000 crore at the end of the year.

### 7.2.3 The year 2020-21

FAI was continuously underlining the need for allocation of adequate funds for fertilizer subsidy in Union Budget 2020-21. DOF also pursued the issue with the Finance Ministry. However, the budget allocation for 2020-21 was reduced by Rs. 8689 crore to Rs. 71,309 crore from Rs.79,998 crore provided in RE for 2019-20. This was again grossly inadequate in comparison to actual requirement of almost Rs.1,28,000 crore to clear the backlog of payment and take care of requirement of Rs. 80,000 crore for the year 2020-21.

## 7.3 Continuing Liquidity Crisis

7.3.1 The Table on unpaid subsidy dues carried forward for last several years depicts the seriousness of the situation resulting in liquidity crisis of the fertilizer sector.

Unpaid Subsidy Dues Carried Forward to Next Year	
Year	Amount (Rs. Crore)
2015-16	43,356.23 <sup>#</sup>
2016-17	39,057.11 <sup>#</sup>
2017-18	32,053.21 <sup>*</sup>
2018-19	39,053.21 <sup>®</sup>
2019-20	47,948.99 <sup>\$</sup>

<sup>#</sup> = Source DOF  
<sup>\*</sup> = Estimated at FAI based on data of 23 fertilizer companies  
<sup>®</sup> = Estimated at FAI based on data of 28 fertilizer companies  
<sup>\$</sup> = Estimated at FAI based on data 26 of fertilizer companies

7.3.2 Out of Rs.47,949 crore dues at the end of 2019-20, major portion of Rs. 34,436 crore was due on urea. Table on subsidy dues as on 8<sup>th</sup> April, 2020 provides product-wise break-up.

Subsidy dues as on 8 <sup>th</sup> April, 2020	
Product	Amount (Rs. Crore)
Indigenous Urea	27,231
Dues on account of Modified NPS-III for Urea	5931
Imported Urea	1274
<b>Total Urea (A)</b>	<b>34,436</b>
Indigenous P&K fertilizers	8082
Imported P&K fertilizers	5223
SSP	190
<b>Total P&amp;K fertilizers (B)</b>	<b>13,495</b>
City Compost (C)	16
<b>Grand Total (A+B+C)</b>	<b>47,949</b>
Source : Based on industry data received from 26 fertilizer companies.	

7.3.3 In the current year, the situation has worsened due to monthly/quarterly restrictions in release of funds. The Finance Ministry has put restriction in release of budget allocations under the guidelines for cash management system in Central Government in view of COVID-19 pandemic under Modified Exchequer Control Based Expenditure Management. As per Finance Ministry's Office Memorandum F. No. 12(13)-B(W&M)/2020 dated 8<sup>th</sup> April, 2020 and F. No. 12(15)-B(W&M)/2020 dated 23<sup>rd</sup> June, 2020, the payment of fertilizer subsidy *i.e.*, Demand No. 6 of Department of Fertilizers, has been kept in Category B. Category B is entitled to release of only 20% of annual budget every quarter. This means only 80% of the annual budget of Rs. 71,309 crore *i.e.* Rs. 57,047 crore will be released during 2020-21. Out of this, more than Rs. 10,000 crore has already been utilized for repayment of bank loans with interest under SBA of 2019-20. Hence, net availability of funds for the year 2020-21 is only Rs. 47,000 crore. There is requirement of additional allocation of at least Rs. 50,000 crore for the current year. Even after this, there will be arrears of Rs. 30,000 crore at the end of financial year 2020-2021. Part of this can be reimbursed by arranging loan from the banks again.

#### 7.4 Efforts to Address Liquidity Crisis Continue

7.4.1 Given the seriousness of situation, FAI has approached the government at the highest level including PMO and the DOF. We have been requesting the following:

- (i) Removal of monthly/quarterly restrictions in release of budget allocation in view of large amount

of pending dues of Rs.48,000 crore at the beginning of the year itself.

- (ii) Additional allocation of at least Rs.50,000 crore.
- (iii) Removal of restriction of 60 days or at least extending it to 180 days by RBI for financing of working capital by banks against subsidy receivables of fertilizer companies.
- (iv) Extension of credit upto 6 months by gas supplier. Interest on such credit should be borne by the government.

7.4.2 Sustained efforts of FAI and the DOF resulted in higher allocation of funds for the 2<sup>nd</sup> quarter of 2020-21 (April-July) at Rs.30,759 crore which is significantly higher than the limit of 20% of Annual budget. After adjusting Rs.5,918 crore already utilised for July, 2020, the balance left for August and September is Rs.24,841 crore. It is pertinent to mention here that total allocation of Rs.27,216 crore for the first quarter (including Rs.22,018 crore for April 2020) was also significantly higher than the 20% limit. The cumulative allocation for 1<sup>st</sup> and 2<sup>nd</sup> quarter comes to Rs.57,975 crore. Thus, funds left for the 2<sup>nd</sup> half of the financial year 2020-21 is only Rs.13,334 crore assuming that 100% of the annual budget allocation of Rs.71,309 crore is allowed to be released by extending the cash management limit.

#### 8.0 ISSUES RELATED TO GOODS & SERVICE TAX

8.1 FAI continued to pursue with the Finance Ministry, GST Council and DOF on the pending issues related to GST. These *inter-alia* included refund of unutilized input tax credit with respect to input services and reduction in GST rate for ammonia, sulphuric acid, packing materials, etc. Other GST related issues pertain to levy of IGST on ocean freight on imported fertilizers and GST on freight on fertilizers sold on FOR basis resulting double taxation.

8.2 The government has not been allowing input tax credit paid on services. Recently, there has been a judgment in Gujarat High Court (in the matter of VKC Footwear) that Net ITC in formula given under Rule 89(5) of CGST Rules 2017 will include the value of input services also. This means, the assessee will be eligible to claim refund of input services in case of inverted duty structure. But, government has not notified any change in this regard.

#### 9.0 ISSUES RELATED TO SUPPLY OF NATURAL GAS

##### 9.1 Availability of Domestic Natural Gas

9.1.1 During 2019-20, the urea plants consumed about 15.7 BCM natural gas. The share of domestic gas in total supply to fertilizer sector is continuously depleting reaching about 30% during 2019-20.

9.1.2 Domestic natural gas was expected to be available

in 2020 from deep sea well from KG D6 field. The sale of this domestic gas was made only through competitive bidding by individual companies. As per the bidding process, fertilizer companies could bid the price and quantity of gas to be purchased. This entailed separate contracts for sale purchase and transportation with different entities and provisions for penalties in different contracts. Earlier experience showed that fertilizer companies had to pay 'ship or pay' penalties to transporters when supply from KG-D6 depleted. These penalties had not been recognized under urea pricing policy. However, for spot contract supplies approved by EPMC on quarterly basis, there is 'Nil' penalty provision. Members had apprehension regarding acceptability of terms of contracts by the EPMC for reimbursement of gas cost under urea pricing policy. On request of members, FAI sent a letter to the Secretary (Fertilizers) on the 6<sup>th</sup> August 2019 to permit fertilizer companies to participate in the competitive bidding process for supply of domestic deep water gas. It was also requested that any charges including marketing margin and penalties under commercial contracts should be recognized under urea pricing policy as applicable for spot contract supplies under EPMC. We understand that the Department of Fertilizers had discussion with industry on the issue and had authorized GAIL to bid on behalf of fertilizer industry. A few fertilizer companies also participated in the bidding process and have contracted some quantities of gas

### 9.2 Brookings India Report on Natural Gas

9.2.1 Brookings India, affiliated to Brookings Institution, a reputed US based think tank requested FAI to prepare a status paper on utilization of Natural Gas in Fertilizer Sector. The paper was to be included as chapter in a book titled "The Future of the Indian Gas Market" on utilization of natural gas in Indian economy. A few crucial points raised by Brookings in its expectation from the paper were circulated to the Board. FAI after due deliberations in the Board accepted the request. The paper included some historical facts, present status of gas utilization, future projection for requirement of natural gas, etc. FAI also participated in various consultation meetings coordinated by Brookings India with other consumers of natural gas. FAI provided the final chapter to Brookings after considering feedback from members in September 2019.

### 9.3 Unified Tariff for Natural Gas Pipelines

9.3.1 Petroleum and Natural Gas Regulatory Board (PNGRB) determines the tariff for gas pipelines in India. It webhosted a Public Notice on PNGRB (Determination

of Natural Gas Pipeline Tariff) Regulations, 2008 for revising pipeline tariff by implementing a system of one single tariff (Unified Tariff) for Integrated Pipeline System. All the gas pipelines of GAIL, to be integrated to determine the Unified Tariff. FAI sent its comments on the Notice on 27<sup>th</sup> July, 2020 stating that the Unified Tariff may lead to increase in the cost of transportation and hence cost of production. In case of P&K fertilizers, it will increase retail price for farmers. Government of India bears the delivered cost of gas as part of urea subsidy policy. Therefore, Department of Fertilizers should be part of consultation process regarding methodology for computing gas pipeline tariff. A letter was also written to the Secretary (Fertilizers) on the similar lines.

9.3.2 PNGRB organized a virtual open house on 31<sup>st</sup> July, 2020 with the stakeholders who had provided their comments. FAI expressed apprehension that unified tariff exercise might increase the tariff for existing consumers. Two fertilizer companies also expressed similar views. Most gas companies and owners of LNG terminals expressed that integrated system include all pipelines in the country and not limited to single entity.

## 10.0 ISSUES RELATED TO TECHNOLOGY AND ENERGY USE IN FERTILIZER SECTOR

### 10.1 Perform Achieve and Trade (PAT) Scheme

10.1.1 FAI has been reporting the status of implementation of PAT scheme in fertilizer industry in its earlier Annual Reports. Bureau of Energy Efficiency (BEE) constituted a sub-committee to work out the normalization factors for the data of complex fertilizer plants under PAT Cycle 2. The sub-committee identified some parameters that have bearing on energy consumption such as product mix, capacity utilization, extent of captive production of sulphuric acid, concentration of phosphoric acid, pattern of usage of captive power and imported. The suggestions of the sub-committee were placed before the Sectoral Committee for Fertilizer Sector in the meeting held on 16<sup>th</sup> May, 2019. The Sectoral Committee examined the suggestions and finalized methodology for working out the normalization factors. The Committee considered normalization factor for energy loss due to low capacity utilization and forced shutdown and start-up in sulphuric acid plant. Normalization due to variation in the ratio of imported and indigenous production of sulphuric acid, power mix, concentration of phosphoric acid and product mix in baseline and assessment year was also approved by the Committee. The normalization claims are subject to verification and audit as per the Monitoring and Verification Protocol of the BEE.

10.1.2 The second PAT cycle was completed in the year 2018-19. The Monitoring & Verification Audit of the Designated Consumers was completed by BEE empanelled energy audit firms in 2019-20. Under PAT Cycle II, baseline energy consumption was 8.261 million MTOE. With the energy reduction target of 0.447 million MTOE (5.41%), the targeted reduced energy worked out to 7.509 million MTOE. During the assessment year 2018-19, fertilizer sector achieved 8.123 million MTOE. Thus the sector achieved energy reduction of only 1.67% against the target of 5.41%. Out of 36 DCs, 14 DCs achieved the energy saving targets but 22 could not achieve the energy saving targets. The BEE may issue the Energy Saving Certificates to DCs which exceeded the energy saving target. DCs which could not achieve the energy saving target have to utilize the energy saving certificates earned in PAT Cycle I or have to buy energy saving certificates.

10.1.3 FAI in its letter dated 17<sup>th</sup> August, 2018 pointed out that fertilizer plants had achieved a very high level of energy efficiency. Therefore, there is very limited scope for further energy saving. Moreover, urea units are governed by the pricing and subsidy policy of Government of India. The policy has prescribed EC norms which were revised in 2015 and again 2018. The present norms are valid till 2025. The issue of EC norms beyond 2025 has been referred to NITI Aayog. Complex fertilizer plants consume only 1% of total energy consumed in the fertilizer sector.

10.1.4 In view of the above, there should be no further energy saving targets for fertilizer plants and fertilizer sector should be exempted from the PAT scheme. This point was also made in the meeting of Sectoral Expert Committee of BEE fertilizer sector on 8<sup>th</sup> May, 2020. Further, a communication on similar lines was sent to BEE again on 8<sup>th</sup> July, 2020.

### 10.2 Industry Coalition for Net Zero Emission

10.2.1 TERI in collaboration with MOEFCC organized a "Workshop on Industry Coalition" on 22<sup>nd</sup> May, 2019 ahead of United Nations Climate Summit to be held in September 2019. The objective of the Workshop was to come forward with realistic action plan for reaching net-zero emissions by 2050. The Workshop was inaugurated by Mr. S.P. Singh Parihar, IAS, then Chairman, CPCB, Delhi. DDG, FAI participated as panellist in the Session I on 'Near Term Action Plan'. He presented the ammonia production and energy consumption projections for near term. The energy efficiency of Indian ammonia plants improved by 23% from 1987-88 to 2000-2001 and 12.9% from 2000-01 to 2017-18. It was emphasized that further improvement in existing plants would require replacement of capital equipment. But fertilizer plants are unable to generate

funds to invest in such measures. It was projected that there will be 6.0% improvement in ammonia energy consumption by 2030-31. This will be possible with combination of addition of new capacity and revamp of existing plants. There will be similar trend for carbon dioxide emissions from ammonia plants.

### 10.3 Energy Consumption in Ammonia and Urea Plants

10.3.1 The weighted average energy consumption of ammonia plants during 2019-20 was 8.26 Gcal/MT compared to 8.32 Gcal/MT in 2018-19. The weighted average energy consumption for urea plants was 5.79 Gcal/MT urea in 2019-20 compared to 5.88 Gcal/MT urea during previous year.

### 10.4 Benchmarking of Process and Other Parameters in Ammonia and Urea Plants

10.4.1 FAI carried out a benchmarking exercise of key process parameters as well as other indicators for energy, quality and environment in ammonia and urea plants for the period of 2017-18. Data was received from 27 ammonia and urea plants. FAI prepared generic reports for both ammonia and urea plants and separate reports for each participating unit. The report helped the fertilizer plants to compare key operation parameters with their peer group. This may help to further improve the performance of ammonia and urea plants.

### 11.0 ISSUES RELATED ENVIRONMENT AND SAFETY

#### 11.1 Plastic Waste Management Rules

11.1.1 Implementation of Plastic Waste Management Rules 2016 and their amendment 2018 was one of major issues faced by the fertilizer industry. As approved by FAI Board, FAI commissioned a study on consultancy and advocacy services for cost effective implementation of Extended Producer Responsibility (EPR) liabilities by fertilizer companies as per Plastic Waste Management Rules 2016 and amendments 2018 to M/s GEM Enviro Management Pvt. Ltd. Eight districts in four regions of the country were identified for field study and the help was taken from the fertilizer marketing companies in those areas. After visiting seven districts, the Consultant had submitted the draft report. A copy of the draft report was circulated to all Board members and the members of FAI Environment Advisory Committee (EAC). The report was discussed in the meeting of EAC on 4<sup>th</sup> September, 2019. After deliberation, the following was concluded:

- (i) Members may apply for registration under Brand owner under PWM Rules with CPCB by filling Form-I.

- (ii) FAI will represent to CPCB/MOEFCC to exempt the fertilizer sector from imposing any commitment for recovery and recycle of bags. It would be highlighted that due to its reuse by farmers, it would be difficult to re-collect 100% bags. However, industry would educate and encourage farmers to voluntarily deposit the bags after the useful life with retailers or local bodies. The fertilizer companies will ensure that bags will be collected and sent to recyclers.

11.1.2 A representation was sent to the Chairman, CPCB on 17<sup>th</sup> September, 2019 and Secretary, MOEFCC conveying the industry's submission and requesting time for making presentation for finalization of the action plan. The FAI Board in its meeting held on 25<sup>th</sup> September, 2019 desired that a representation should also be made to the Department of Fertilizers to take up the issue with the MOEFCC. FAI addressed a letter to the Secretary (Fertilizers) on the issue on 1<sup>st</sup> October, 2019. Subsequently, Department of Fertilizers had written a letter to the MOEFCC on 4<sup>th</sup> October, 2019 to consider the FAI request for meeting the EPR obligations under the Plastic Waste Management Rules.

11.1.3 Meanwhile, the CPCB on its website uploaded the Guidelines for Preparation of Action Plan for Producers/Importers/Brand Owners (PIBOs) for Plastic Waste Management. FAI vide letter dated 27<sup>th</sup> June, 2019 requested the Chairman, CPCB to issue guidelines after finalization of National Framework for Extended Producer Responsibility (EPR) by the MOEFCC as these guidelines would create a confusion amongst the stakeholders.

11.1.4 Earlier, the MOEFCC was preparing a National framework on EPR. The framework had proposed two different models for meeting the obligations under PWM Rules. The framework was discussed in detail with stakeholders in a meeting held on 31<sup>st</sup> June, 2019 Chaired by Joint Secretary, MOEFCC. Stakeholders raised concerns regarding the applicability of rules and preparation of action plan. Our consultant provided the minutes of the meeting and which was circulated to all members. Subsequently, FAI in its letter dated 21<sup>st</sup> June, 2019 to Joint Secretary, MOEFCC brought out concerns of the fertilizer sector. It was informed that FAI has commissioned a study to understand the life cycle of fertilizer bags and its reuse by various sections of society. The MOEFCC was requested to advise State Pollution Control Boards and CPCB not take any action against the fertilizer industry till the MOEFCC finalizes the National framework for EPR.

11.1.5 Rajasthan Pollution Control Board conducted Opportunity of Being Heard (OBH) on 12<sup>th</sup> September,

2019 for industries in Rajasthan and directed them to meet the EPR regulations in the State. As per the minutes of OBH, the Brand Owners are required to develop a mechanism to recollect plastic waste. It directed that minimum 15% of circulated plastic material for the period 1<sup>st</sup> October 2019 to December 2019 and 30% for the period 1<sup>st</sup> January 2020 to March 2020 within the State of Rajasthan to be recollected. FAI vide letter dated 20<sup>th</sup> September, 2019 requested the MOEFCC, CPCB, RPCB and DOF to defer the implementation of EPR in the State of Rajasthan till MOEFCC issue the final National Framework.

11.1.6 Representatives of FAI, SFC and IFFCO met the Additional Director, CPCB dealing with Plastic Waste Management on 7<sup>th</sup> October, 2019. FAI underlined that to ensure the quality of fertilizers to the farmers, bags are intentionally made very robust to withstand multiple handling, storage and weather conditions. As a result, these bags are re-used multiple times by the farmers and other users. This has been proven by the study carried out by M/s GEM Enviro Management on behalf of FAI. It would be difficult to recollect the bags and there should not be any quantitative limit on re-collection of bags. Direction issued by RPCB was brought to her notice. Hon'ble NGT had also directed the MOEFCC to bring out the National EPR Guidelines. She noted the concerns but clarified that equivalent amount of plastic had to be recycled. CPCB has also uploaded on its website guidelines for Brand Owners for preparation of EPR. She also clarified that if the producer of the bags was meeting the EPR requirement then a company using bags could be considered in compliance provided the bags supplier gives the EPR compliance certificate for the bags it has supplied to that company.

11.1.7 Hon'ble NGT in its hearing held on 4<sup>th</sup> December, 2019 wherein Additional Secretary, MOEFCC presented that three models *viz.* Fee Based Model, PRO Based and Plastic Credit Model were under consideration of MOEFCC. Hon'ble NGT directed MOEFCC to bring the guidelines within in 3 months. The date of next hearing was fixed on 29<sup>th</sup> June, 2020. The MOEFCC released the Draft National framework on EPR on its website on 23<sup>rd</sup> June, 2020 for comments.

### 11.2 IFA Phosphogypsum Report

11.2.1 IFA has brought out the second and updated edition of phosphogypsum report titled 'Phosphogypsum- Leadership, Innovation, and Partnership (PG2)'. The report provides amongst other things updated information on utilization of phosphogypsum across various countries. FAI contributed in preparation of this valuable document.

### 11.3 Draft Notifications on Environment Regulations

#### 11.3.1 Draft Chemical (Management & Safety) Rules

11.3.1.1 The Department of Chemicals and Petrochemicals (DCPC) issued a draft Chemical (Management & Safety) Rules 20xx. The “Draft Chemicals (Management & Safety) Rules, 20xx” have merged the existing “Manufacture, Storage and Import of Hazardous Chemicals Rules 1989 as amended in 2000” and “Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996” notified earlier under Protection Rules 1986 together along with REACH Directive (EU Directive). FAI circulated the Draft rules to the members for comments vide email dated 20<sup>th</sup> December, 2019. Based on the inputs received, FAI sent its comments to DCPC on 1<sup>st</sup> January, 2020. The DCPC issued a Revised Draft after considering comments from all stakeholders. Most of the comments/suggestions were addressed in the revised draft. FAI circulated the Revised Draft as well to members and sent comments to DCPC on 20<sup>th</sup> February, 2020. The final notification is awaited.

#### 11.3.2 Draft Battery Management Rules

11.3.2.1 The Ministry of Environment and Forests issued the Draft Notification on Battery Waste Management Rules, 2020. The Draft Rules seek to replace the Batteries (Management and Handling) Rules, 2001, which provide details for handling and management of batteries under the Environment (Protection) Act, 1986. The draft Rules will be applicable to various stakeholders involved in the life of batteries or its components, consumables, and spare parts which make the product operational. These include every manufacturer, producer, collection centre, importer, assembler, dealer, recycler, consumer, and bulk consumers.

11.3.2.2 Currently, the Batteries (Management and Handling) Rules, 2001, apply to only lead-acid batteries. The Draft Rules will cover all types of batteries. It will also apply to all appliances into which a battery is, or maybe incorporated. It will not apply to batteries used in certain equipment such as military equipment, space exploration equipment, and emergency and alarm systems. Responsibilities of manufacturer and dealers are defined to collect used batteries against the new ones and issuing purchase invoices for used batteries, setting up collection centres, ensuring safe transport and filing an annual record of the sales and buy-back to SPCBs.

11.3.2.3 Industry falls under the category of bulk consumers. The bulk consumer has to be registered with respective SPCBs and ensure that used batteries are disposed-off by depositing it with seller or in

demarcated areas from whom the consumer has bought the new battery or auction it with registered recyclers. They are also required to keep a record of valid license of registered recyclers with whom scrap batteries are being deposited and an annual return has to be filed with SPCBs.

11.3.2.4 FAI submitted the comments received from member companies to the MOEFCC on 16<sup>th</sup> April, 2020. The final notification from MOEFCC will be issued after considering comments from all stakeholders.

#### 11.3.3 Draft Environment Impact Assessment Notification

11.3.3.1 The MOEFCC issued a Draft Notification on Environment Impact Assessment (EIA) 2020. The Draft notification will supersede the existing EIA 2006 notification. The Draft EIA 2020 included various amendments made to EIA 2006 notification till date. As per Draft notification, both nitrogenous and complex fertilizer plants fall under category A and single super phosphate falls under category B1. Some modifications/additions in the plants are exempted from prior EC or prior EP which include standalone granulation of single super phosphate powder and *neem* coating or fortification of fertilizers. In case of *neem* coating and fortification, the total production including the weight of coating or fortification should not be more than the sanctioned capacity in prior-EC. There are some issues related to exemptions for expansion, modernization, capacity increase and consideration of new products. The comments received from the members were sent for the consideration of the MOEFCC on 10<sup>th</sup> June 2020 and additional comments were sent on 29<sup>th</sup> June 2020. The final notification from MOEFCC will be issued after considering comments from all stakeholders.

### 12.0 DEVELOPMENTS RELATED TO FERTILISER CONTROL ORDER

#### 12.1 Central Fertiliser Committee Meeting

12.1.1 Three meetings of Central Fertiliser Committee (CFC) were held during 2019-20. The Fertiliser Association of India (FAI) participated in all the meetings and provided its inputs on the agenda items which came up for discussion during CFC meetings held on 29<sup>th</sup> April, 2019; 22<sup>nd</sup> October, 2019; and 10<sup>th</sup> January, 2020. Some of the important items discussed in CFC meetings included; revised specifications of *neem* coated urea, amendments in specifications of fertilizers, inclusion of new fertilizer products in FCO, FIR on the basis of first analysis report, sale of bio- enriched organic manure in bulk, use of colored bags for packing fertilizers, review of fertilizer grades in FCO, etc.

### 12.2 Revised Specifications of *Neem* Coated Urea (NCU)

12.2.1 The matter of revision of specifications of NCU has been in discussion for quite some time. FAI has taken up the matter with DAC&FW on priority. In CFC meeting held on 1<sup>st</sup> March, 2019, it was recommended to postpone the enforcement of specifications for NCU notified on 23<sup>rd</sup> March, 2019 by one year and undertake a proper study during this period. CFC in its 60<sup>th</sup> meeting held on 29<sup>th</sup> April, 2019 decided to assign the study to Asthagiri Herbal Research Foundation (AHRF) on nomination basis. The proposal was processed for approval of the competent authority which directed the same to go through the request for proposal (RFP) procedure as per general finance rules (GFR) procedure to select the suitable agency. Accordingly, RFP was issued on 20<sup>th</sup> August, 2019 against which only 2 proposals were received namely, one each from M/s Environmental Engineering Service and AHRF.

12.2.2 Central Evaluation Committee (CEC) evaluated the technical proposal of the bidders in its meeting held on 17<sup>th</sup> October, 2019 and found the proposal of M/s Environmental Engineering Service as incomplete. CEC found AHRF as qualified in technical evaluation and recommended for opening of final bid. The minutes of the CEC were submitted for approval of the competent authority for technical acceptance. But, it has been directed to rebid the tender citing poor response as the reason.

12.2.3 DG, FAI expressed concern over the delay in concluding the study. The revised specifications of NCU have come into force on 23<sup>rd</sup> March, 2019. It may take another 2-3 years to complete the study. He pointed out that the notification/amendment for the postponement of notified specifications is still awaited. FAI vide letter dated 11<sup>th</sup> October, 2019 to Joint Secretary (INM) had requested to defer the enforcement of revised specifications of *neem* coated urea and issue the necessary amendment in this regard in FCO.

12.2.4 In view of the concerns raised by FAI, CFC discussed on whether the implementation of the specifications of *neem* oil, which came into force from 23<sup>rd</sup> March, 2019, shall be put on hold and the earlier specification of *neem* oil *i.e.* benzene soluble content of 0.035% (350 ppm) shall be retained till the study gets completed.

12.2.5 CFC after detailed deliberations recommended that the specifications of *neem* oil specified in FCO prior to 22<sup>nd</sup> March, 2018 may be specified in FCO till the time study on NCU is completed. Notification is awaited in this regard.

### 12.3 Amendment in the Specifications of Zinc Sulphate Monohydrate

12.3.1 Indian Micronutrient Manufacturers Association

requested the MOA&FW for amendment in specifications of zinc sulphate monohydrate. It was urged to remove iron (Fe) content from the specifications of zinc sulphate monohydrate on the plea that no such limit for iron is prescribed for zinc sulphate heptahydrate in FCO.

12.3.2 CFC discussed the matter and recommended to remove the iron content from the specification on the analogy that it was not specified in zinc sulphate heptahydrate. The Committee also directed the CFQC&TI to standardize the new method for comparison with the existing method of testing zinc and place the same before CFC.

### 12.4 Amendment in Particle Size of Urea (granule), Urea Briquettes, Sulphur Coated Urea and *Neem* Coated Urea (granule)

12.4.1 In the revised specifications of fertilizers, issued vide SO 349 (E) dated 6<sup>th</sup> February, 2017, the particle size of all types of urea was inadvertently notified as *minimum 90% instead of 80%* of the material between 1 mm and 2.8 mm IS sieve. The issue was brought to the notice of Joint Secretary (INM), DAC&FW by DG, FAI. Accordingly, the amendment was issued for urea and *neem* coated urea. However, the other types of urea *viz.*, urea (granular), urea briquettes, sulphur coated urea and *neem* coated urea (granular) were left out.

12.4.2 DG, FAI vide his letter dated 29<sup>th</sup> April, 2019 requested the Joint Secretary (INM), DAC&FW to issue necessary amendments with regard to particle size specification in remaining types of urea.

### 12.5 Inclusion of New Fertilizer Products in FCO

12.5.1 The inclusion of new products in FCO is an ongoing process. The fertilizer products included/recommended for inclusion in FCO during 2019-20 are given below:

#### 12.5.2 *Calcium Dihydrogen Phosphate (fertilizer solution for foliar use)*

The proposal was submitted by M/s. Yara Fertilizers India Pvt. Ltd. The agronomical trials were conducted on apple crop in Himachal Pradesh. After examining report of the agronomic trials, CFC recommended for inclusion of the Calcium Dihydrogen Phosphate (liquid) in FCO with following specifications:

- (i) Available phosphorus (as P<sub>2</sub>O<sub>5</sub>), per cent by weight, minimum: 22.0
- (ii) pH: 1.1+/- 1
- (iii) Specific gravity (kg/L): 1.25-1.35

### 12.5.3 *Bio-manure (Bio-slurry)*

GAIL (India) had requested for inclusion of Bio-manure (Bio-slurry) obtained from compressed bio-gas production process in FCO. Alternatively, the company requested to amend the specifications of organic manure notified in FCO. A similar proposal of M/s. India Oil Ltd. earlier was discussed in CFC wherein the company was directed to provide the agronomical study data.

12.5.3.1 The representative of Indian Oil Ltd., in his presentation before CFC, explained that they are generating gas from the agriculture waste, poultry litter, etc. As the composition of final product depends on the raw material used in making the compost, the organic manure specifications under the FCO either need to be amended in respect of NPK content and pH or the product may be notified in FCO as a separate product. Company also requested for inclusion of Bio-slurry in liquid form under FCO for which the CFC asked the company to provide detailed proposal along with the specification of Bio-slurry.

12.5.3.2 After detailed deliberations, CFC recommended to include the new product in FCO as Fermented Organic Manure.

### 12.5.4 *NPK 8:8:8 for Foliar Application*

M/s Vasantdada Sugar Institute (VSI) submitted a proposal for inclusion of NPK 8:8:8 in Fertiliser (Control) Order 1985. It was stated in the proposal that the VSI did extensive field research in sugarcane on fertilizer grades and found that the foliar application of liquid fertilizer namely multi macronutrient (N-8%, P-8%, K-8%) and multi micronutrient (Grade-II Fe-2.5%) increased the cane yield, significantly.

12.5.4.1 CFC observed that the proposed product NPK 8:8:8 is a mixture but it is in liquid form. State Governments are empowered for notifying the mixture of fertilizers. However, mixture of fertilizers shall not include liquid fertilizers and 100% water soluble fertilizers. After detailed deliberations CFC recommended to include the product NPK 8:8:8 as liquid fertilizer for foliar application in sugarcane crop.

### 12.6 **Review of Various Grades of Fertilizers**

12.6.1 In Schedule-I, part A of FCO, 114 fertilizers have been notified. The details of fertilizers specified in FCO are as under: -

- a) 12 – Straight Nitrogenous Fertilizers;
- b) 5 – Straight Phosphorus Fertilizers;
- c) 5 – Straight Potassium Fertilizers;
- d) 2 – Straight Sulphate Fertilizers;
- e) 15 – NP Complex Fertilizers;

f) 19 – NPK Complex Fertilizers;

g) 23 – Micronutrients;

h) 26 – Fortified Fertilizers;

i) 6 – 100% (Water Soluble) Complex Fertilizers; and

j) 1 – Beneficial Element Fertilizer

12.6.2 Joint Secretary (INM) in CFC meeting held on 10<sup>th</sup> January, 2020 expressed that all the fertilizers notified in FCO are not used by the farmers. There is a need to review whether it is required to retain all the fertilizers in FCO. DG, FAI was requested to examine the matter and submit the considered opinion.

12.6.3 Fertilizer products are included in FCO after detailed study and agronomic trials in consultation with ICAR institutes and SAUs. Despite being efficient products, many of these products are not produced or used today only because these are not competitive under the present subsidy and pricing policy despite their agronomic advantages.

12.6.4 FAI vide letter dated 8<sup>th</sup> June, 2020 to the Chairman, CFC requested to retain all existing fertilizer products in FCO at the moment. The matter can be reviewed later when policies for the sector are reformed and subsidy is paid directly into farmers' accounts.

### 12.7 **Clarification on Certificate of Manufacture of 100% Water Soluble Mixture of Fertilizers**

12.7.1 Director (Agriculture), Government of Uttar Pradesh sought clarification on the issue relating to the grant of certificate of manufacture to the manufacturer of 100% water soluble mixture of fertilizer.

12.7.2 CFC examined the provisions of FCO and observed that under clause 13 of FCO, the State Governments are empowered to notify only the mixture of fertilizers. States have no power to notify the 100% water soluble and liquid fertilizers. CFC observed that as in case of imported fertilizers including 100% water soluble fertilizers, only the authorization letter is required. Similarly, the provision of Clause 14/15 is not applicable on 100% water soluble mixture of fertilizers. CFC advised the DAC&FW to give clarification to all the State Governments that the provision for obtaining Certificate of Manufacture is not applicable to 100% water soluble mixture of fertilizers and liquid fertilizers.

### 12.8 **Lodging of FIR on Basis of Report of Sample Failure in First Analysis**

12.8.1 During the *rabi* zonal conference held on 11<sup>th</sup> September 2019, FAI raised the issue of lodging of FIR by Maharashtra and Madhya Pradesh governments on failure of fertilizer samples in the first analysis. These reports were filed against Managing Director/Director, Company Secretary and Plant in-Charge of the concerned company. The action was in violation of

provision of FCO 1985. There is an administrative redressal mechanism provided in the FCO before the matter can be taken to the court. FAI followed it up with a letter dated 20<sup>th</sup> September, 2019 to the Joint Secretary (INM), DAC&FW requesting that clear guidelines may be issued to the State Departments of Agriculture to adhere to the provision of the FCO. Guidelines of the Ministry of Agriculture & Farmers' Welfare should also be followed in dealing with quality issues.

### 12.9 Use of Colored Bags for Packing Fertilizers

12.9.1 Ministry of Textiles forwarded the request of Cotton Corporation of India for use of colored bags for packing of fertilizers. The company suggested that the polypropylene bags may be mandatorily made of color other than white so that the identification of contamination of cotton is visible at the initial stage of processing and gets easily removed.

12.9.2 DG, FAI pointed out that the color of bag is not prescribed under FCO. Therefore, Government of India is not empowered to prescribe the color of the bags. CFC requested DG, FAI to take up the matter with fertilizer industry.

12.9.3 After receiving the members' input, FAI wrote a letter to the Chairman, CFC on 8<sup>th</sup> June, 2020 informing that fertilizer industry was not in favour of use of only colored bags for packing fertilizers. It was mentioned that the fertilizer companies should have the freedom to decide on the color of bags depending on brand's popularity, farmers' preference and cost considerations.

### 12.10 Sale of Bio-enriched Organic Manure in Bulk

12.10.1 In CFC meeting held on 12<sup>th</sup> March, 2019, it was decided to constitute a sub-committee to examine the conditions required to be imposed while granting permission for sale of bio-enriched organic manure in bulk directly to farmers under clause 22(C) of FCO, 1985. The sub-committee consists of three members, namely Director, CFCQC&TI, Faridabad; Senior Consultant, ICAR; and Director, Agricultural Sciences, FAI. The first meeting of the sub-committee was held on 3<sup>rd</sup> October, 2019. The sub-committee has not submitted its recommendations so far.

### 12.11 Nano-based Agri and Food Products

12.11.1 Department of Biotechnology, Ministry of Science and Technology had developed the draft guidelines for evaluation of nano-based agri and food products in India. The draft guidelines were reviewed by an Inter-Ministerial Committee in its meeting held on 9<sup>th</sup> July, 2019. Representatives of FAI and two fertilizer companies also attended the meeting as special invitees. The following points were made by FAI in the meeting:

- (i) Criteria for testing the safety, toxicity and hazards of nano fertilizers should be separate from those used for pesticides and food products.
- (ii) Testing methods should be practical, which can either be carried out in the laboratory of manufacturer or by the outside accredited laboratory easily.

## 13.0 INITIATIVES FOR SOIL HEALTH IMPROVEMENT

### 13.1 Sustainable Nitrogen Management

13.1.1 Low and declining use efficiency of applied nitrogen (N) is a global problem. Generally, 30-35% applied N is taken up by crop and the rest leaks to the environment. Unutilized reactive-N causes air pollution, water pollution, ozone depletion, and poses risk to animal and human health. Numbers of initiatives to minimize N-leakage have been taken at national and global level. India took initiative for adoption of a resolution on Sustainable Nitrogen Management in United Nations Environment Assembly. This is a laudable move on the part of India.

13.1.2 DG, FAI made a presentation on 'Recent N-related Policy Developments in India and Industry's Response' at IFA Crossroads Asia-Pacific Conference held during 22-24 October 2019 in Sydney, Australia. Besides making extensive coverage on global initiatives on sustainable nitrogen management namely, International Nitrogen Initiative (INI), Global Partnership on Nutrient Management (GPNM), and South Asia Nitrogen Hub (SANH), he dwelt in detail about the work of Indian Scientists in area of sources of reactive-N, environmental and climate effects, management options, and policies. He apprised the Conference of the number of policy initiatives undertaken by the Indian Government particularly, shift to 100% *neem* coated urea and reducing the weight of urea bag (from 50 kg to 45 kg) to improve nitrogen use efficiency and reduce urea consumption. He reiterated that Indian fertilizer industry fully supports the government initiatives aimed on improving resource use efficiency and farmers' income.

### 13.2 Global Micronutrient Summit

13.2.1 To improve awareness on the importance of micronutrients in balanced fertilization, FAI and International Zinc Association (IZA) organised 'Global Micronutrient Summit' during 5-6 September 2019 in New Delhi. Over 175 delegates comprising scientists, policy makers, government officials and experts from industry attended the programme. Mr. Narendra Singh Tomar, Hon'ble Minister of Agriculture and Farmers

Welfare, inaugurated the summit. Dr. Ashok Dalwai, CEO, National Rainfed Area Authority, Ministry of Agriculture and Farmers Welfare, was the Guest of Honour. Inaugural ceremony included welcome address by Mr. Satish Chander, Director General, FAI and introductory remarks by Dr. Andrew Green, Executive Director, IZA, USA. In all, 11 presentations were made in 5 technical sessions including 2 panel discussions covering all important aspects of micronutrients in soil, plant and human nutrition. Mr. Kailash Choudhary, Hon'ble Minister of State for Agriculture and Farmers Welfare delivered the valedictory address at the concluding session. The conclusions and recommendations emerged from the Summit were published in December, 2019 issue of Indian Journal of Fertilisers for its wider circulation.

### 13.3 Round Table Discussion on Potassium in Balanced Fertilization

13.3.1 To discuss potassium management-related issues and suggest measures to promote its application, FAI and International Potash Institute (IPI) jointly organized a roundtable discussion on 'Potassium in Balanced Fertilization – Emerging Issues' on 10<sup>th</sup> July, 2019 at FAI House, New Delhi. Dr. S.K. Malhotra, Agriculture Commissioner, Government of India, inaugurated the programme. Mr. Hillel Magen, Director, IPI delivered opening lecture on 'Potash in Balanced Fertilizer Use – Global Trends'. Apart from seven presentations, a panel discussion was held on 'Bridging Research, Extension and Policy Gaps to Promote Use of Potassium'. Mr. Satish Chander, DG, FAI gave valuable inputs on the policy issues. Dr. P.S. Gahlaut, Managing Director, IPL, addressed the delegates in the concluding session and recommendations emerged from the roundtable were published in August, 2019 issue of Indian Journal of Fertilisers for its wider circulation.

### 13.4 Brainstorming Session on Zero Budget Natural Farming

13.4.1 Hon'ble Finance Minister in her budget speech on 5<sup>th</sup> July, 2019 had proposed to promote resource-efficient and eco-friendly 'Zero Budget Natural Farming'. The issue was discussed in FAI Board meeting held on 7<sup>th</sup> August, 2019. Taking note of the issue of promoting ZBNF, National Academy of Agricultural Sciences (NAAS), organised a full day Brainstorming Session (BSS) on 'Zero Budget Natural Farming - Myth or Reality' on 21<sup>st</sup> August, 2019. In all, 9 presentations were made by the eminent scientists/experts including Prof. Ramesh Chand, Member NITI Aayog, Dr. Trilochan Mohapatra, DG-ICAR, Dr. Panjab Singh, Ex-DG-ICAR & President, NAAS, and Mr. Satish Chander, DG-FAI.

13.4.2 In his presentation 'Zero Budget/Organic/

Natural Farming (Role of Fertilizers)', DG, FAI pointed out that the organic nutrient sources alone cannot meet the nutrient requirements for having enough food for all. He suggested that direct payment of fertilizer subsidy to the farmers will address the problem of overuse and imbalanced use of nutrients and prevent the illegal trade and diversion of heavily subsidized fertilizers for industrial use. In his concluding remarks, President, NAAS expressed that there was no verifiable or authenticated results from any experiment on zero budget natural farming. This is required to consider it as feasible technological option. As a follow up, a letter was sent by NAAS to the Hon'ble Prime Minister on 2<sup>nd</sup> September, 2019, giving opinion of scientists on the issue.

### 14.0 CHINTAN SHIVIR – FERTILIZING THE FUTURE

14.1 Department of Fertilizers proposed to hold a 'Chintan Shivar – Fertilizing the Future'. In this regard, Hon'ble Minister of Chemicals and Fertilizers held a meeting on 30<sup>th</sup> March, 2020 with Minister of Agriculture; Minister of State (IC) for Shipping, Chemicals & Fertilizers; and both the Ministers of State for Agriculture & Farmers Welfare to discuss the proposal for holding the Chintan Shivir. Subsequently, five (5) Working Groups were constituted to deliberate the challenges facing fertilizer sector and to prepare knowledge report for a five years' roadmap. Five Working Groups are as follows:

- (i) Rationalization of Logistics for Fertilizer Movement
- (ii) Promotion of New/Alternative Fertilizers
- (iii) Administrative and Legal Reforms in Fertilizer sector
- (iv) Promoting Balanced and Sustainable Use of Chemical Fertilizers and Reduce Diversion of Urea
- (v) Director Benefit Transfer to Farmer (Direct Fertilizer Subsidy to farmers account instead of an industry)

### 15.0 FAI ANNUAL SEMINAR 2019

15.1 FAI Annual Seminar has emerged as one of the most important events for global fertilizer fraternity. Fifty fifth FAI Annual Seminar 2019 was held at Hotel 'Andaz', Aerocity, New Delhi during 2-4 December, 2019. This international event was devoted to the theme of 'New Approach to Fertilizer Sector'. The seminar was attended by more than 1200 delegates including about 120 foreign delegates from 30 countries. In all, 19 papers were presented in four technical sessions viz., (i) Policy Issues of Fertilizer Sector, (ii) Resource Management and Farm Income, (iii) Technological Developments in Fertilizer Production, and (iv) Viability of Fertilizer Marketing.

15.2 The Seminar proceedings started with the Press Conference on 29<sup>th</sup> November, 2019. The Seminar was

inaugurated by the Hon'ble Minister of State of Chemicals and Fertilizers, and Minister of State (Independent Charge) Shipping, Mr. Mansukh L. Mandaviya on the 2<sup>nd</sup> December, 2019. Hon'ble Minister of Chemicals and Fertilizers could not grace the event that day due to some circumstances. Secretaries and senior officials of concerned departments also participated in the event. This was followed by four technical sessions during next two days.

15.3 Three-day deliberations were attended by major stakeholders, including the Honorable Ministers, senior officials of national and international organizations, policy makers, agriculture scientists, academicians, eminent economists, industry leaders and technology suppliers.

15.4 There were deliberations on policies for the sector and new approach needed to make fertilizer industry viable, vibrant and transforming itself to serve the changing needs of Indian agriculture.

15.5 Eminent economist, Professor Ashok Gulati 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. Dr. Gulati also highlighted on falling share of domestic gas in total gas supplied to urea industry and the payment and subsidy related issues of the sector. He urged the policy makers to either shift to NBS for urea or for direct payment of subsidy to the farmers. He observed that relinquishing controls would be good for efficiency, attract new investment in the sector, promote balanced use of N, P and K and spur innovations leading to efficient fertilizer products. This in turn, would rejuvenate Indian fertilizer sector, make agriculture vibrant and farmers more prosperous. Dr. S.K. Chaudhari, Assistant Director General (S&WM), ICAR also emphasized on the urgent need for rationalizing the fertilizer use so as to improve soil fertility.

15.6 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. Other eminent speakers highlighted that existing policies are neither benefiting the farmers nor the industry. The government is spending more than Rs. 70,000 crore every year for fertilizer subsidy. But, 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, farmers' income and health of domestic industry.

15.7 Other technical sessions of the Seminar included deliberations related to resource management and farm income, technological development in fertilizer production and viability of fertilizer marketing.

15.8 The Seminar was concluded on 4<sup>th</sup> December, 2019 with addresses by Mr. D.V. Sadananda Gowda, Hon'ble Union Minister of Chemicals & Fertilizers, and Professor Ramesh Chand, Hon'ble Member, NITI Aayog, Government of India in the Valedictory Session. Hon'ble Minister welcomed suggestions and recommendations for change in the policies for the fertilizer sector. Professor Ramesh Chand emphasized on the industry's role in promotion of fertilizers and the need to invest in research and development to find out improved methods and right doses of fertilizer application.

### 16.0 INTERNATIONAL RELATIONS

16.1 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 decision-making forums including Government, FAI maintains cordial relations and exchanges information with number of reputed international organisations. Some of the these organisations include Food and Agriculture Organization (FAO), Rome; The International Fertilizer Association (IFA), Paris; 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. This helps to promote better understanding of the global developments and their impact on the Indian fertilizer and agriculture sectors.

### 17.0 FAI WEBSITE ([www.faidelhi.org](http://www.faidelhi.org))

17.1 FAI website, [www.faidelhi.org](http://www.faidelhi.org) completed twenty years. It has always been the endeavour of FAI to provide the members and other users with most up-to-date information through this channel. FAI website has been providing wealth of information to its members and other users. In addition to statistical data and maps, other information *inter-alia* includes subjects like environmental issues, energy consumption, government notifications, fertilizer policy developments (Highlights), 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 social media sites, blogs, press releases, etc. Keeping in view the sensitive information stored in FAI website, the URL of FAI website was changed to <https://www.faidelhi.org> in place of <http://www.faidelhi.org>.

17.2 In addition to the classified information available on FAI website, news items relating to the developments in the fertilizer and agriculture sectors and other key information are sent to the web members regularly on the working days.

17.3 The site has received good response from its members and other users. Website has 10 active and 33 associate members.

### 18.0 Mobile App for FAI Annual Seminar

18.1 A new initiative was undertaken by FAI in 2017-18 to provide Mobile App facility to the delegates of FAI Annual Seminar 2017. This facility was provided to the registered delegates of subsequent FAI Annual Seminars held in 2018 and 2019. The App contains details of programme; speakers; list of delegates; exhibitors; sponsors; meetings/events, places of interest in Delhi; appointment facilities; and many other useful features. New features added in the app during 2019 Seminar were: recording of speeches and presentations, and a photo gallery.

### 19.0 PUBLIC RELATIONS

19.1 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.

19.2 The 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.

19.3 Coinciding with FAI Annual Seminar 2019, a press conference was organized in FAI House, New Delhi on 29<sup>th</sup> November, 2019. Major media groups were present in the press meet. It was addressed by Chairman and DG, FAI. The meeting was a curtain raiser for the Annual

Seminar. The relevance of the Seminar theme 'New Approach to Fertilizer Sector' was explained to the media. It was emphasized that the new policy should encourage balanced use of fertilizers in integration with organic sources to sustain soil health. The policies should ensure viability of domestic production as the present level of self-sufficiency built over the years is absolutely essential to secure our supplies and to avoid exploitation from the international market. The complete distortion of original policy has nullified one of the objectives of the policy *i.e.* reasonable return on investment in urea production facilities. The other equally important consideration in formulation of policies is the fiscal sustainability. The government is finding it difficult to make adequate provision for fertilizer subsidy in the Union Budget for last several years. Lack of reforms in policies in the sector is hurting both agriculture and industry. Therefore, there is a need for fresh look on fertilizer policies and reboot the same at the earliest. The Seminar was covered by national and regional dailies, business and economic newspapers, All India Radio, Delhi Doordarshan etc.

19.4 An informative article titled 'New Approach to Agriculture Sector' authored by Mr. K.S. Raju, Chairman, FAI was published in Delhi edition of the Financial Express; Delhi and Mumbai edition of Hindustan Times and all editions of HT Mint on 2<sup>nd</sup> December, 2019.

19.5 During 2019-20 four special issues of Indian Journal of Fertilisers were brought out related to agriculture, technology, marketing and Annual Seminar. January 2020 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 2020 issue of Khad Patrika. Fertiliser Marketing News published articles related to marketing and logistics. It also covered Annual Seminar in January 2019 issue.

### 20.0 AWARDS OF EXCELLENCE

20.1 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 various awards. The two new awards were instituted in 2016-17 by IFFCO, namely, 'U.S. Awasthi-IFFCO awards' for life time contribution in the fields of agriculture and fertilizer industry. These awards were given to two eminent personalities for 2018-19. Dr S. Nand, Deputy Director General, FAI won the prestigious U.S. Awasthi IFFCO Award for life time contribution for development of fertilizer industry. Prof. Rattan Lal of Ohio State University, USA received the U.S. Awasthi IFFCO Award for his life time contribution

for development of agriculture.

## 21.0 FAI PUBLICATIONS

### 21.1 Annual Review of Fertiliser Production and Consumption 2018-19

21.1.1 *Annual Review of Fertiliser Production and Consumption 2018-19* published in September 2019 presents a detailed account of fertilizer policies, production performance, state-wise analysis of fertilizer consumption, agricultural development programmes taken up by central government, state governments and fertilizer industry in 2018-19 and outlook of fertilizer availability and expected consumption for 2019-20.

### 21.2 Fertiliser Statistics – 2018-19

21.2.1 *Fertiliser Statistics* is a valuable repository of fertilizer, agriculture and allied statistics. The publication *Fertiliser Statistics 2018-19*, the 64<sup>th</sup> edition, published in November 2019 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 a summary of the developments in fertilizer policies in India.

### 21.3 Specialty Fertiliser and Micronutrient Statistics – 2018-19

21.3.1 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, a number of new and 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. *Specialty Fertiliser and Micronutrient Statistics – 2018-19 (8<sup>th</sup> edition)* published in November 2019 covers the details of capacity, production, import, sale, and other related information about these products.

### 21.4 Biofertiliser Statistics – 2018-19 – 11<sup>th</sup> edition

21.4.1 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 – 2018-19 (11<sup>th</sup> edition)* published in November 2019 covers comprehensive data on capacity, production, despatches, specifications of biofertilisers and other related information.

## 22.0 MEMBERS

22.1 The position of members as at the end of the year

compared to the previous year stands as under:

Member	2020	2019
Active	41	43
Associate	190	184
Overseas Associate	28	27
Technical & Professional Associate	520	547
<b>Total</b>	<b>779</b>	<b>801</b>

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

## 22.2 Membership Subscription

22.2.1 In the 393<sup>rd</sup> meeting held on 7<sup>th</sup> August, 2019, the Board of Directors approved the rates of subscription for Active Members for the year 2019-20 which are the same rates applicable since 2013-14. The rates are as under:

### Ceiling – Based on the Nutrient sold

Category*	Rupees in Lakhs
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.

22.2.2 The members approved the rates of annual subscription as given under for the following categories of Associate Members for the year 2019-20 in the 63<sup>rd</sup> Annual General Meeting held on the 26<sup>th</sup> September, 2018:

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 Associate Members	Rs. 500* (Same rates as applicable from 2009-10)

\* plus GST

### 23.0 BOARD OF DIRECTORS

23.1 The following five Directors, who retired by rotation under clause 83<sup>rd</sup> of the Articles of Association on the date of the last Annual General Meeting held on the 25<sup>th</sup> September, 2019, were re-appointed as Directors:

- (i) Mr. Manoj Mishra, representative of M/s National Fertilizers Limited (NFL), was appointed to represent the interest of nitrogenous and complex fertilizer manufacturers.
- (ii) Mr. N. Sambasiva Rao, representative of M/s Krishak Bharati Cooperative (KRIBHCO) Limited, was appointed to represent the interest of nitrogenous and complex fertilizer manufacturers.
- (iii) Dr. P.S. Gahlaut, representative of M/s Indian Potash Limited (IPL), was appointed to represent the interest of potassic fertilizers.
- (iv) Mr. Shailesh Khaitan, representative of M/s Khaitan Chemicals & Fertilizers Limited (KCFL), was appointed to represent the interest of Super Phosphate manufacturers.
- (v) Mr. K.K. Kaul, representative of M/s DCM Shriram Fertilizers Limited, was appointed to represent the interest of nitrogenous and complex fertilizer manufacturers.

23.2 The following Casual/Additional Directors appointed earlier by the Board of Directors were elected as rotational directors at the Annual General Meeting held on 25<sup>th</sup> September, 2019 against the existing vacancies:

- (i) Mr. N. Sanjai Maheshwari, representative of M/s Brahmaputra Valley Fertilizer Corporation Limited (BVFCL), was appointed to represent the interest of nitrogenous and complex fertilizer manufacturers.
- (ii) Mr. R.K.Chopra, representative of M/s Kribhco Fertilizers Limited (KFL), was appointed to represent the interest of nitrogenous and complex fertilizer manufacturers.
- (iii) Mr. Sanjiv Kanwar, representative of M/s Yara Fertilisers India Pvt. Ltd., was appointed to represent the interest of nitrogenous and complex fertilizer manufacturers.
- (iv) Mr. Praveen Kumar Maheshwari, representative of M/s Hindalco Industries Limited (HIL), was appointed as a Director to represent the interest of nitrogenous and complex fertilizer manufacturers.
- (v) Mr. Kishor Rungta, representative of M/s Fertilizers and Chemicals Travancore Limited (FACT), was appointed to represent the interest of nitrogenous and complex fertilizer manufacturers.
- (vi) Mr. U. Saravanan, representative of M/s Madras

Fertilizers Limited (MFL), was appointed to represent the interest of nitrogenous and complex fertilizer manufacturers.

- (vii) Mr. M.S. Dagur, representative of M/s Gujarat Narmada Valley Fertilizers & Chemicals Limited (GNFC), was appointed to represent the interest of nitrogenous and complex fertilizer manufacturers.

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

1. Mr. Prithviraj Dhariwal w.e.f. 7<sup>th</sup> June, 2019
2. Mr. Rajiv Chopra w.e.f. 7<sup>th</sup> June, 2019
3. Mr. Ved Prakash w.e.f. 7<sup>th</sup> June, 2019
4. Mr. Narasimha Rao w.e.f. 7<sup>th</sup> June, 2019
5. Mr. J.C. Laddha w.e.f. 30<sup>th</sup> June, 2019
6. Mr. D. Nandakumar w.e.f. 31<sup>st</sup> June, 2019
7. Mr. Rahul Kohli w.e.f. 31<sup>st</sup> July, 2019
8. Mr. Umesh V. Dhatriak w.e.f. 2<sup>nd</sup> December, 2019
9. Mr. N. Sanjai Maheshwari w.e.f. 2<sup>nd</sup> December, 2019
10. Mr. N. Sambasiva Rao w.e.f. 31<sup>st</sup> December, 2019
11. Mr. Sunil Sethy w.e.f. 28<sup>th</sup> February, 2020

23.4 To fill up the vacancies the following were appointed in the casual vacancy:

1. Mr. R.K.Chopra w.e.f. 7<sup>th</sup> May, 2019
2. Mr. Sanjiv Kanwar w.e.f. 7<sup>th</sup> May, 2019
3. Mr. Kishor Rungta w.e.f. 7<sup>th</sup> August, 2019
4. Mr. Praveen Kumar Maheshwari w.e.f. 7<sup>th</sup> August, 2019
5. Mr. S.C. Mudgerikar w.e.f. 2<sup>nd</sup> December, 2019
6. Mr. Ashim Kumar Ghosh w.e.f. 2<sup>nd</sup> December, 2019

23.5 Mr. R.K. Chopra, Mr. Sanjiv Kanwar, Mr. Kishore Rungta and Mr. Praveen Maheshwari were subsequently elected as Rotational Directors in the Annual General Meeting held on 25<sup>th</sup> September, 2019 as given above in para 23.2.

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

### 24.0 FINANCE

24.1 The excess of income over expenditure is Rs. 1,29,36,800/- for the year ended the 31<sup>st</sup> March, 2020.

### 25.0 STAFF

25.1 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 48 at the end of the financial year 2019-20.

25.2 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. In particular, the Board would like to congratulate Dr. S. Nand for completing 35 years and Mr. Kuldeep Sati, Mr. Ajay Kumar Chauhan for

completing 25 years of dedicated service in FAI during the year.

#### **26.0 PREVENTION OF SEXUAL HARASSMENT OF WOMEN AT WORKPLACE**

26.1 The Association has complied with the 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]. ■

## APPENDIX I

### MEMORANDA/REPRESENTATIONS SUBMITTED TO GOVERNMENT

#### 1.0 FERTILIZER PRICING AND SUBSIDY POLICY, PAYMENT AND GOVERNANCE ISSUES

##### 1.1 Industry Issues

1.1.1 DG, FAI wrote a letter dated 23<sup>rd</sup> April, 2019 to the Chairman and Managing Director, GIC, raising industry's concerns due to a steep hike of insurance premium and requesting her to consult industry members and understand their requirements, claim experiences to evaluate risks appropriately. Further, it was suggested to differentiate sectors on the basis of associated risks, providing discounts. Premium should be increased if at all rationally and gradually over a period of time.

1.1.2 On the request of the Hon'ble Minister of State for Chemicals & Fertilizers, DG, FAI made a detailed presentation on 'Indian Fertilizer Sector' on 6<sup>th</sup> November, 2019 in his office. Hon'ble Minister appreciated the presentation which helped to clear issues of the fertilizer sector.

1.1.3 In response to the letter dated 26<sup>th</sup> November, 2019 received from the Joint Secretary, DOF requesting to furnish industry's views/comments on the draft concept paper on 'Buffer Stock Scheme of Urea'; DG, FAI sent the comments on the same vide letter dated 16<sup>th</sup> December, 2019.

1.1.4 DG, FAI made a presentation on 'Fertilizer Sector in India' before the Principal Adviser to the Hon'ble Prime Minister in PMO on 27<sup>th</sup> February, 2020. A copy of the presentation was also sent to the Secretary (Fertilizers) vide letter dated 28<sup>th</sup> February, 2020.

1.1.5 FAI sent a representation to the Secretary (Fertilizers) on 26<sup>th</sup> March, 2020 to issue suitable order/direction to relevant authorities under Essential Commodities Act to allow all activities related to manufacture and movement of fertilizers. A mail expressing thanks to Secretary (Fertilizers) and DoF for prompt action was sent on 27<sup>th</sup> March, 2020.

1.1.6 FAI sent a letter to the Hon'ble Minister of Chemicals and Fertilizers on 30<sup>th</sup> March, 2020 informing that it had appealed to its members to spend CSR funds on activities for COVID-19 and contribute generously to PM-CARES Fund. Similar letters were also sent to the Secretary (Fertilizers) and the Joint Secretary, DOF.

1.1.7 FAI sent a letter to the Secretary (Fertilizers) on 30<sup>th</sup> March, 2020 on the issues needing immediate

redressal such as payment of subsidy dues, extension of energy consumption norms, payment of increased fixed cost as approved by the Cabinet and fixing of subsidy rates for P&K fertilizers under NBS in order to print the same on the bags.

1.1.8 Further to letter dated 30<sup>th</sup> March, 2020, FAI sent another representation to the Secretary (Fertilizers) on 7<sup>th</sup> April, 2020 requesting to address the liquidity problem of industry and extension of energy consumption norms. It was also requested that primary movement of fertilizers by road beyond 500 km be permitted as movement by rail was severely affected due to shortage of labour at loading and unloading points.

1.1.9 FAI sent a letter to the Secretary (Fertilizers) on 13<sup>th</sup> April, 2020 to address issues related to liquidity problem and energy consumption norms that are affecting the operations of the industry adversely.

1.1.10 FAI wrote a letter dated 13<sup>th</sup> April, 2020 to the Joint Secretary, DOF to take up with the Ministry of Home Affairs to exempt production and movement of chemicals and materials that were needed for continuous production of fertilizers since their availability had been affected due to lockdown.

1.1.11 FAI vide its communications on 16<sup>th</sup> April, 2020 and 17<sup>th</sup> April, 2020 to AC(M) & Director (FM) In-charge, DOF provided information about suppliers of bags to fertilizer plants.

1.1.12 FAI sent a letter to the Secretary (Fertilizers) on 20<sup>th</sup> April, 2020 requesting relaxation in the primary movement of fertilizers by road beyond 500 km. In a separate letter dated 20<sup>th</sup> April, 2020 to the Secretary (Fertilizers), FAI requested DOF to permit bulk movement of fertilizers by Coastal Shipping as it would help swift movement of fertilizers without any increase in freight subsidy.

1.1.13 FAI in its letter dated 20<sup>th</sup> April, 2020 to the Secretary (Fertilizers) requested waiving of the requirement of testing of Egyptian Rock Phosphate till June 2020 as the collection of samples and continuous analysis by PDIL had not been possible since March due to lockdown.

1.1.14 FAI sent a representation to the Secretary (Fertilizers) on 11<sup>th</sup> May, 2020 to address the pending issues of the fertilizer industry related to payment and subsidy, extension of energy consumption norms,

movement of fertilizers, availability of manpower and desirable policy changes for improving viability of the industry.

1.1.15. FAI letter dated 11<sup>th</sup> May, 2020 was addressed to the Joint Secretary, DOF requesting for intervention of the central government so that state governments do not encourage mass migration and facilitate reverse migration of labour to work places to help maintain operations of fertilizer sector.

1.1.16. FAI letter dated 27<sup>th</sup> May, 2020 was addressed to the Secretary (Fertilizers) requesting him to kindly extend the validity dates of leads which have already expired or are about to expire till the time of completion of updation of primary lead distances in iFMS system.

1.1.17 DG, FAI wrote a letter to the Secretary (Fertilizers) dated 17<sup>th</sup> July, 2020, requesting his intervention for extension leeway given by Railways in respect of demurrage and wharfage charges.

1.1.18 DG, FAI in its letter dated 4<sup>th</sup> June 2020 requested the Hon'ble Minister of Chemicals & Fertilizers not to levy COVID tax on import of major raw materials for manufacturing of fertilizers to ensure supply security of fertilizers and viability of domestic fertilizer industry.

1.1.19 DG, FAI in his letter to the Secretary (Fertilizers) dated 27<sup>th</sup> July, 2020 requested to intervene to solve pending issues related to freight for primary and secondary road transportation including pendency in revision of rates and payments.

### 1.2 Urea Policy Issues

1.2.1 DG, FAI wrote a letter dated 10<sup>th</sup> December, 2019 to the Secretary (Fertilizers), providing justification in support of minimum fixed cost of Rs.2300/MT for production of urea beyond reassessed capacity. A copy of the same was also sent to the Additional Secretary, DOF.

1.2.2 FAI sent a letter to the Hon'ble Minister of Chemicals & Fertilizers on 7<sup>th</sup> January, 2020 requesting that the energy consumption norms effective from 1<sup>st</sup> June, 2015 be extended for all urea units till urea is brought under NBS. The norms of 2018 were fixed without considering techno-economic viability.

1.2.3 DG, FAI wrote a letter dated 16<sup>th</sup> March 2020 to the Hon'ble Minister of Chemicals and Fertilizers, expressing his gratitude on behalf of the industry for implementation of Modified NPS-III policy for urea units. A similar letter was also sent to the Secretary (Fertilizers) on the same day.

1.2.4 DG, FAI wrote a letter dated 20<sup>th</sup> March 2020 to the Secretary (Fertilizers), requesting him to extend the Energy Consumption Norms of 2015 for all urea units

by 2 years or till the implementation of NBS policy for urea. It was further requested to amend the norms for the units that are using coal as fuel.

1.2.5 DG, FAI wrote a letter dated 18<sup>th</sup> May, 2020 to the Secretary (Fertilizers) requesting him to consider the revision of minimum fixed cost for Kribhco Hazira, NFL Vijaypur-I and RCF Thal and for further revision in fixed cost for all units for ensuring their continuous and safe operation.

1.2.6 DG, FAI wrote a letter dated 18<sup>th</sup> May, 2020 to the Secretary (Fertilizers) requesting him for his intervention to activate bill generation module in iFMS so that urea units can generate bills for revised fixed cost as per Modified NPS-III for both productions up to RAC and beyond RAC. It was followed by another letter dated 5<sup>th</sup> June, 2020.

1.2.7 Further to the letter of 18<sup>th</sup> May, 2020, DG, FAI in his letter dated 4<sup>th</sup> June 2020 requested the Secretary (Fertilizers) to address the issue of fixed cost including minimum fixed cost and use cost index to revise the fixed cost for reimbursement of the reasonable cost of urea units under pricing policy.

1.2.8 DG, FAI in his letter dated 4<sup>th</sup> June 2020 requested the Secretary (Fertilizers) to extend the Energy Consumption Norms of 2015 for all urea units to help improve the viability of urea units and sustain urea production. It was suggested to extend 2015 norms till implementation of reforms like NBS and or DBT in true sense.

### 1.3 Reasonableness of MRP

1.3.1 FAI letter dated 23<sup>rd</sup> June, 2020 addressed to the Hon'ble Minister of Chemicals & Fertilizers, pleaded for treating MRP as what is actually realised by the P&K fertilizer companies in computing reasonable margin. Net MRP should exclude statutory levies like excise duty, sales tax, VAT, GST etc., which are collected on behalf of the government and deposited. It further pleaded for withdrawal of recovery orders issued to some of the companies.

### 1.4 Issues Related to SSP

1.4.1 DG, FAI wrote an email dated 31<sup>st</sup> May, 2019 to the Joint Secretary, DOF and suggested the name of the nodal authority in Egypt through which the suppliers of Egyptian Rock Phosphate (ERP) can be sensitized for supply of notified grades of quality rock to India.

1.4.2 Further, DG, FAI vide an email dated 18<sup>th</sup> June, 2019 to the Joint Secretary, DOF suggesting the names of two experts from FAI to conduct techno-commercial and environmental study and analyse the feasibility of production of good quality beneficiated rock phosphate.

1.4.3 Vide letter dated 27<sup>th</sup> June, 2019 to the Joint Secretary, DOF, DG, FAI suggested the names of four accredited international agencies which can be authorized for quality checks at the loading/unloading ports for ERP.

### 1.5 Other Issues

#### 1.5.1 Marketing of Indigenous P&K Fertilizers by Marketers

1.5.1.1 DG, FAI vide letter dated 20<sup>th</sup> March, 2020 to the Secretary (Fertilizers) requested for a provision for marketing arrangements under the NBS policy of P&K fertilizers to expand the market for domestic manufacturers and in turn improve utilization of domestic capacity. It was also requested to consider the subsidy under NBS and primary freight to be claimed by the marketers and they may be allowed to use their brands.

#### 1.5.2 Issues of Internet Connectivity in Jammu & Kashmir

1.5.2.1 DG, FAI vide letter dated 31<sup>st</sup> October, 2019 requested the Secretary (Fertilizers) to release subsidy to the fertilizer companies for the quantities which were not acknowledged by the wholesalers/retailers or sold without PoS machines due to disrupted internet connectivity in J&K.

1.5.2.2 As the problem of internet connectivity continued, DG, FAI vide letter dated 14<sup>th</sup> January, 2020 further requested the Secretary (Fertilizers) to release the subsidy bills in line with the policy prior to implementation of DBT scheme in the fertilizer sector.

#### 1.5.3 Acknowledgment of Remaining Stocks Prior to DBT Regime

1.5.3.1 In continuation to earlier letter dated 18<sup>th</sup> January, 2019, DG, FAI wrote another letter dated 24<sup>th</sup> July, 2019 requesting therein the Secretary (Fertilizers) to consider opening the mFMS/iFMS for one last time for the purpose of acknowledgement of the remaining stocks of fertilizers by wholesalers and retailers prior to DBT regime.

#### 1.5.4 Sale of Subsidized Fertilizers to Customized/ Mixture Fertilizers

1.5.4.1 Since, the interim procedure was to expire on 22<sup>nd</sup> May, 2020, DG, FAI vide mail dated 17<sup>th</sup> May, 2020 made a request to the Secretary (Fertilizers) to further extend the procedure by one year for sale of subsidized fertilizers to the customized/mixture fertilizer manufacturing units. DOF extended the interim procedure by 6 months effective from 23<sup>rd</sup> May, 2020.

## 2.0 BUDGET ALLOCATION AND PAYMENT OF SUBSIDY

### 2.1 Pre-Budget Memorandum

2.1.1 DG, FAI sent industry's suggestions for Union Budget 2020-21 pertaining to Direct Taxes to the Joint Secretary (TPL-I), CBDT, Ministry of Finance vide letter dated 19<sup>th</sup> November, 2019.

2.1.2 DG, FAI sent customs duty related suggestions for Union Budget 2020-21 to the Joint Secretary (TRU-I), CBIC, Department of Revenue vide letter dated 27<sup>th</sup> November, 2019.

2.1.3 DG, FAI sent a letter dated 28<sup>th</sup> November, 2019 to the Secretary (Fertilizers), informing him of the suggestions of the fertilizer industry sent to various departments of the Finance Ministry for the formulation of Union Budget 2020-21 and requesting him to recommend the same.

### 2.2 Budget and Payment Related Issues

2.2.1 DG, FAI wrote a letter dated 24<sup>th</sup> April, 2019 to the Secretary (Fertilizers), requesting him to release the subsidy payments for escalation claims of urea for 2018-19 on proportionate basis out of the remaining funds available for urea subsidy.

2.2.2 DG, FAI wrote a letter dated 15<sup>th</sup> May, 2019 to Secretary (Expenditure), requesting him to allocate another Rs. 50,000 crore for fertilizer subsidy for the year 2019-20 considering realistic assessments and previous year's backlogs.

2.2.3 DG, FAI wrote a letter to Secretary (Fertilizers) on 15<sup>th</sup> May, 2019 requesting him to facilitate the payment of outstanding subsidy dues as inordinate delays causes financial problems for the industry. In this regard, DG, FAI requested for an appointment vide letter dated 16<sup>th</sup> May, 2019 with Director (FS), DOF to discuss the outstanding subsidy figures on the advice of Secretary (Fertilizers).

2.2.4 DG, FAI wrote a letter dated 1<sup>st</sup> October 2019, to the Secretary (Fertilizers), requesting him to take up with Finance Ministry for additional allocation of Rs. 30,000 crore in supplementary grants for 2019-20. This request was repeated in letter dated 15<sup>th</sup> November, 2019.

2.2.5 DG, FAI wrote a letter dated 14<sup>th</sup> October 2019, to the Secretary (Fertilizers), explaining the need to extend the limit of working capital financing against subsidy receivables from current 60 days to 180 days and requesting him to take up the matter with Ministry of Finance and the RBI.

2.2.6 DG, FAI wrote a letter dated 18<sup>th</sup> November, 2019 to Hon'ble Minister of Finance and Hon'ble Minister of

Chemicals and Fertilizers, requesting for an appointment to discuss the liquidity and other issues of the fertilizer sector. Similar letters were also sent to Hon'ble Minister of State (Chemical & Fertilizers), Hon'ble Minister of State (Finance & Corporate Affairs) and Secretary (Expenditure) on the same day.

2.2.7 DG, FAI sent a letter dated 12<sup>th</sup> March, 2020 to the Governor, RBI, requesting him to extend time limit for financing of working capital against subsidy receivables of fertilizer companies to at least 180 days from the existing level of 60 days.

2.2.8 FAI sent a representation to the Secretary (Fertilizers) on 8<sup>th</sup> April, 2020 with a request to seek exemption from restrictions on expenditure imposed by the Ministry of Finance for at least partial settlement of pending subsidy bills to the industry.

2.2.9 In a representation to the Secretary (Fertilizers) on 9<sup>th</sup> April, 2020, FAI requested DOF to recommend RBI to extend the period of working capital financing of fertilizer companies against the subsidy receivable from 60 days to 180 days. Another letter was sent to the Secretary (Fertilizers) on 20<sup>th</sup> April, 2020 with a request to take up the matter of relaxation of borrowing norms with the RBI to help industry to tide over the liquidity crisis.

2.2.10 FAI sent a representation on 4<sup>th</sup> May, 2020 to the Secretary (Fertilizers) suggesting a Financial Package for the fertilizer industry for clearance of pending pre-and post-DBT bills. It also requested for standing arrangements with banks for borrowing against subsidy receivable till sufficient funds are allocated for fertilizer subsidy.

2.2.11 FAI sent a representation to the Hon'ble Minister of Chemicals and Fertilizers on 13<sup>th</sup> May, 2020 underlining the acute shortage of funds for subsidy disbursement to domestic fertilizer industry. It was requested that a financial package be arranged to clear the backlog of pending subsidy bills of the fertilizer industry. Similar representations were sent to the Hon'ble Minister of State Shipping (I/C) and Chemicals and Fertilizers and the Secretary (Fertilizers) on the same day.

2.2.12 DG, FAI in his letter dated 5<sup>th</sup> June, 2020 requested the Hon'ble Minister of Chemicals & Fertilizers for immediate allocation of additional funds of Rs.20,000 crore for disbursement for settling dues of urea manufacturers.

2.2.13 FAI in its letter dated 2<sup>nd</sup> July, 2020 addressed to the Principal Adviser to the Hon'ble Prime Minister requested for changing the payment of fertilizer subsidy from Category 'B' to Category 'A' under the Cash Management Guidelines of the Central Government. It

further requested for additional allocation of Rs.50,000 crore for the year 2020-21, removal of existing limit of 60 days for bank financing against subsidy receivables of the fertilizer companies and extension of credit period from GAIL for 6 months.

2.2.14 A letter dated 6<sup>th</sup> July, 2020 was addressed to the Hon'ble Minister for Chemicals & Fertilizers apprising him of the grave liquidity crisis faced by the fertilizer industry in general and urea segment in particular. This letter also highlighted that the proposed supplementary demand for grants submitted to the Finance Ministry did not include additional allocation for urea subsidy. This letter also underlined the need for increasing the allocation for urea subsidy payment which was pending for more than 8 months. Similar letter was also addressed to the Hon'ble Minister of State for Chemicals & Fertilizers.

2.2.15. DG, FAI wrote a letter dated 20<sup>th</sup> July, 2020 to the Secretary (Fertilizers) requesting for changing the Category of fertilizers from B to A under Cash Management Guidelines of GOI to remove restriction in release of allocated funds. The letter also requested additional allocation of Rs. 50,000 crore, bank loan against subsidy receivable and extended credit from GAIL for supply of gas.

### 3.0 GOODS & SERVICES TAX (GST)

3.1 DG, FAI wrote a letter dated 23<sup>rd</sup> April, 2019 to the Secretary (Revenue) highlighting the issues that fertilizer industry is facing due to rejection of refund applications on the grounds that accumulation of input tax credit is on account of subsidy received from the government. DG, FAI, thus, requested the Secretary (Revenue) to issue a clarification on the same.

3.2 DG, FAI wrote two letters on 23<sup>rd</sup> April, 2019 to the Secretary (Revenue). One letter sought clarification regarding refund under inverted tax structure to fertilizer industry irrespective of receipt of subsidy. The second letter sought amendment in formula under 89(5) of CGST Rules for refund under inverted tax structure to facilitate adjustment of input tax credit (ITC) against GST paid on input services.

3.3 DG, FAI wrote a letter dated 13<sup>th</sup> May, 2019 to the Secretary (Fertilizers), requesting him to enable reimbursement of GST on railway receipts for movement of fertilizers by rail w.e.f. 1<sup>st</sup> July, 2017.

3.4 DG, FAI wrote a letter dated 21<sup>st</sup> November, 2019 to the Hon'ble Minister of Finance, requesting her for an appointment to highlight various issues faced by the fertilizer sector under the GST law. A similar letter was also sent to the Secretary (Revenue) and Ex-Officio Secretary to the GST Council on the same day.

3.5 DG, FAI sent a representation dated 22<sup>nd</sup> June, 2020 to the Hon'ble Finance Minister requesting to reduce the GST rate on Sulphuric Acid from 18% to 5%, exempt the transportation of fertilizers by road through a GTA or by rail from the payment of GST and amend in Reverse Charge Notification to exempt importers from payment of IGST. A copy of letter was also sent to the Secretary (Fertilizers) on the same day requesting him to take up the matters with the Finance Ministry.

#### 4.0 ISSUES RELATED TO AVAILABILITY OF NATURAL GAS

4.1 FAI sent a letter to the Secretary (Fertilizers) on 6<sup>th</sup> August 2019 to permit fertilizer companies to participate in the competitive bidding process for supply of domestic deep water gas. It was also requested that any charges including marketing margin and penalties under commercial contracts should be recognized under urea pricing policy as applicable for spot contract supplies under EPMC.

4.2 FAI in its comments to Public Notice on PNGRB (Determination of Natural Gas Pipeline Tariff) Regulations, 2008 dated 27<sup>th</sup> July, 2020 highlighted that the Unified Tariff would lead to increase in tariff for most gas consumers in fertilizer sector and in turn would lead to increase in subsidy outgo of the government. Therefore, DOF should also be consulted in matter of fixation of tariff. A letter dated 27<sup>th</sup> July, 2020 apprising the impact of Unified Tariff with a request to take up the matter with PNGRB was also sent to the Secretary (Fertilizers).

#### 5.0 ISSUES RELATED TO UN RESOLUTION ON SUSTAINABLE NITROGEN MANAGEMENT

5.1 FAI sent a letter to the MOEFCC on 8<sup>th</sup> March and 25<sup>th</sup> March 2019, apprising that the efficient nutrient management would require policy intervention and involvement of the Ministry of Agriculture and Farmers Welfare and Department of Fertilizers. Letter dated 26<sup>th</sup> April, 2019 was again sent seeking appointment with concern officials of MOEFCC to discuss the issues involved in nitrogen use in Indian Agriculture.

#### 6.0 ISSUES RELATED ENERGY CONSERVATION

6.1 FAI sent a note to BEE dated 8<sup>th</sup> July, 2020 highlighting the achievement of fertilizer plants in energy conservation and explaining constraints faced by the sector. It was requested to exclude the fertilizer sector from subsequent PAT Cycle.

#### 7.0 ISSUES RELATED ENVIRONMENT AND SAFETY

7.1 FAI sent a letter to Chairman, CPCB on 20<sup>th</sup> May, 2019 on issues related to implementation of Plastic Waste

Management Rules, 2016 in fertilizer industry.

7.2 FAI sent a letter to the Joint Secretary, MOEFCC on 21<sup>st</sup> June, 2019 highlighting concerns of the fertilizer sector in implementing the PWM Rules and informing that FAI had commissioned a study to understand the life cycle of fertilizer bags and its reuse by various sections of society.

7.3 FAI sent a representation to Chairman, RPCB and Member Secretary, RPCB on 21<sup>st</sup> June, 2019 requesting not to take any punitive action against the companies in Rajasthan for not meeting PWM Rules till National Framework on EPR is finalized by MOEFCC.

7.4 FAI sent a letter to Chairman, CPCB on 27<sup>th</sup> June, 2019 requesting deferment of implementation of action plan as per CPCB prescribed document till Uniform National Framework for EPR is finalized by MOEFCC.

7.5 FAI sent a representation to the Secretary (Fertilizers) on 17<sup>th</sup> September, 2019 conveying the preliminary outcome of FAI study on utilization of empty fertilizer bags which suggests that mostly bags are reused. It was requested that DOF may take up the matter with MOEFCC for exemption of large bags from EPR.

7.6 In its representation to the Chairman, CPCB on 17<sup>th</sup> September, 2019, FAI highlighted the outcome of the study on PWM and requested time for making presentation on the same.

7.7 FAI wrote separate letters to MOEFCC, CPCB and DOF on 20<sup>th</sup> September, 2019 and requested them to advise RPCB not to take any coercive action against the industries in the State of Rajasthan for not meeting EPR obligation as per their directive.

7.8 FAI sent a letter to the Secretary (Fertilizers), on 1<sup>st</sup> October, 2019 requesting to arrange a meeting with the MOEFCC to explain the issues in implementation of PWM Rules in fertilizer industry.

7.9 FAI sent comments on Draft Chemicals and Management Rules to Director (Chem-I), Department of Chemicals and Petrochemicals on 1<sup>st</sup> January, 2020 and additional comments were sent on 7<sup>th</sup> January, 2020. The DCPC issued a revised draft. Comments on the revised draft were sent on 20<sup>th</sup> February, 2020.

7.10 FAI sent comments to MOEFCC on 16<sup>th</sup> April, 2020 on the Draft Battery Management Rules Draft Notification on Battery Waste Management Rules, 2020.

7.11 FAI in its letter dated to the Secretary (Environment) and the Chairman CPCB on 21<sup>st</sup> July, 2020 requested deferment of the registration of Brand Owners under PWM Rules till the Draft Guideline Document on Uniform Framework for EPR was finalized.

7.12 FAI vide letter 31<sup>st</sup> July, 2020 sent comments on the Draft Guideline Document on Uniform Framework for EPR under PWM Rules to MOEFCC.

**8.0 ISSUES RELATED TO FCO**

8.1 DG, FAI sent a concept note on 29<sup>th</sup> April, 2019 to the Secretary, Department of Agriculture, Cooperation and Farmers Welfare (DAC&FW), highlighting the issues and suggestions on liberalization of fertilizer markets.

8.2 FAI sent a letter on 29<sup>th</sup> April, 2019 to the Joint Secretary (INM), DAC&FW requesting therein to issue amendment in particle size specification of urea (granule), urea briquettes, sulphur coated urea and *neem* coated urea (granule) as has been done in case of urea and *neem* coated urea.

8.3 DG, FAI wrote a letter on 10<sup>th</sup> May, 2019 to the Joint Secretary (INM), DAC&FW regarding inclusion of powder form of SSP fortified with Zn and B in FCO. The specifications of powder form will remain the same as that of granulated SSP fortified with Zn and B without the particle size specification.

8.4 DDG, FAI sent a letter on 23<sup>rd</sup> May, 2019 to the Department of Fertilizers giving FAI comments to the members of the committee set up to discuss issues related with the quality control of fertilizers.

8.5 FAI wrote a letter on 20<sup>th</sup> September, 2019 to the Joint Secretary (INM), DAC&FW requesting therein to issue clear guidelines to the State Departments of Agriculture to adhere to the provisions of the FCO and guidelines of the Ministry of Agriculture & Farmers Welfare while resorting to prosecution of the companies.

8.6 FAI wrote a letter on 11<sup>th</sup> October, 2019 to the Joint Secretary (INM), DAC&FW to defer the enforcement of revised specifications of *neem* coated urea and issue the necessary amendment in FCO in this regard.

8.7 FAI sent a letter on 6<sup>th</sup> December, 2019 to the Joint Secretary (INM), DAC&FW regarding insertion of a clarification/ explanation note under serial number 1(g) micronutrients and 1.(i) 100% water soluble complex fertilizers in Schedule 1 of FCO.

8.8 DG, FAI wrote a letter on 11<sup>th</sup> December, 2019 to the Joint Secretary (INM), DAC&FW requesting therein to send a clarification to the Government of Maharashtra for differentiating between finished water soluble fertilizer imports and their immediate sales *viz-a-vis* imported water soluble fertilizers used as raw materials for local manufacture of customized water soluble fertilizers.

**9.0 REGIONAL ISSUES**

9.1 FAI-WR made representations to the Principal Secretary and Director of Agriculture, Government of Madhya Pradesh on 29<sup>th</sup> July, 2019 and also to the Secretary, Agriculture, Government of Maharashtra on 30<sup>th</sup> August, 2019 regarding the action taken by the state authorities on failure of fertilizer samples on first analysis when there is provision of testing of referee analysis and 3<sup>rd</sup> analysis in the FCO. It was requested to issue instructions to the concerned officials of the districts to adhere to the provisions of FCO while taking actions against the companies on failure of fertilizer samples.

9.2 FAI-SR submitted the representations to State Departments of Agriculture, Telangana on 4<sup>th</sup> June 2019; Kerala on 20<sup>th</sup> June 2019; Karnataka on 26<sup>th</sup> July 2019; Andhra Pradesh on 1<sup>st</sup> August 2019; and Tamil Nadu on 23<sup>rd</sup> October 2019 regarding various issues related to operations of point of sale (PoS) machines, connectivity issues, sale of fertilizers by the retailers without PoS machines and stocks held by state institutional agencies like Cooperative Marketing Federations.



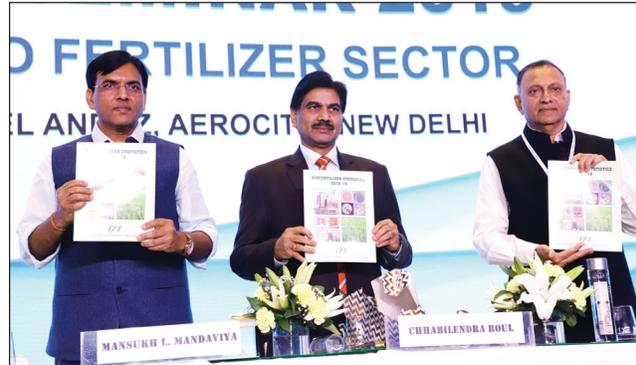
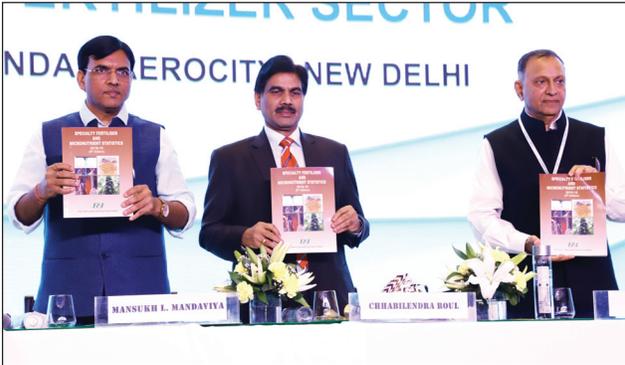
## SEMINAR HIGHLIGHTS



## SEMINAR HIGHLIGHTS



## SEMINAR HIGHLIGHTS



## SEMINAR HIGHLIGHTS



## SEMINAR HIGHLIGHTS



## 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) Technical & SHE Committee
  - b) Communications & Public Affairs Committee
  - c) Agriculture Committee
  - d) Production and International Trade Committee
  - e) IFA Method Harmonization Working Group
  - f) IFA Phosphogypsum/Norms Working Group
  - g) Task Force on Long Term Fertilizer Demand Projections
2. FAO/Fertilizer Organizations Working Group, Rome, Italy
3. Core Group for Model GTA, Petroleum and Natural Gas Regulatory Board, New Delhi
4. Bureau of Indian Standards, New Delhi
  - a) Occupational Health and Safety Sectional Committee, CHD 08
  - b) Water Quality for Industrial Purposes Sectional Committee, CHD 13
  - c) Environment Protection and Waste Management Sectional Committee, CHD 32
  - d) Solid Waste Management Sectional Committee, CHD 33
  - e) Environment Management Sectional Committee, CHD 34
  - f) Air Quality Sectional Committee, CHD 35
  - g) Energy Management Sectional Committee, MED 39
  - h) Soil Quality and Fertilizers Sectional Committee, FAD 7
  - i) Biotechnology for Food and Agriculture Sectional Committee, FAD 23
  - j) Textile Materials Made from Polyolefins (Excluding Cordage) Sectional Committee, TX 23
5. Bureau of Energy Efficiency, New Delhi
  - a) Sectoral Committee & Sub-committee on Fertilizer for Implementation of PAT in Fertilizer Sector
6. Central Pollution Control Board/Ministry of Environment, Forests and Climate Change – Taskforce, Committees and Technical Working Groups, New Delhi
7. Project Screening/Evaluation/Monitoring Committee of Technology Development Board, New Delhi
8. National Steering Committee, Industrial Product Process Sector, TIFAC-TNA Project, Department of Science & Technology, New Delhi
9. Various Expert Groups and Committees of the Department of Fertilizers, Ministry of Chemicals and Fertilizers, New Delhi
10. Central Fertiliser 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, Gurugram, Haryana
15. Railway Users’ Consultative Committee of Eastern, Northern, Western and Southern Railways
16. Fertilizer Advisory Committee and State Coordination Committee of Various States



### APPENDIX III

## FAI PARTICIPATION IN CONFERENCES, SEMINARS, WORKSHOPS AND MEETINGS

1. DG, FAI participated in the Argus Asia Fertilizer Conference held during 10-12 April, 2019 in Shanghai, China and made a presentation on 'Indian Fertilizer Market Trends and Drivers'.
2. DG, FAI participated in the 87<sup>th</sup> IFA Conference held during 11-13 June, 2019 at Montreal, Canada and contributed to the discussion on role of Association and development in the Indian fertilizer sector.
3. ICAR-National Institute of Agricultural Economics and Policy Research organized brainstorming session on 'Securing Supply of Fertilizer and Feedstock for Fertilizer Industry in India' on the 29<sup>th</sup> August, 2019 at NASC complex, New Delhi. Secretary (Fertilizers) and other senior officials of the DOF and Department of Agriculture, Cooperation & Farmers Welfare, Fertilizer Industry members participated in the meeting. DG, FAI made a presentation on 'International Fertilizer Trade Scenario' in the Conference.
4. FAI and International Zinc Association (IZA) organised Global Micronutrient Summit during 5-6 September, 2019 in New Delhi. DG, FAI in his introductory remarks touched various issues related to the policy and use of micronutrients in India.
5. FAI and International Potash Institute jointly organized a Round Table discussion on 'Potassium in Balanced Fertilization – Emerging Issues' on 10<sup>th</sup> July, 2019 at FAI House, New Delhi. DG, FAI gave valuable inputs on the policy issues in the panel discussion on 'Bridging Research, Extension and Policy Gaps to Promote Use of Potassium'.
6. DG, FAI participated and made a presentation on 'Zero Budget/Organic/Natural Farming (Role of Fertilizers)' in Brainstorming Session on 'Zero Budget Natural Farming - Myth or Reality' organised by National Academy of Agricultural Sciences on 21<sup>st</sup> August, 2019, New Delhi.
7. DG, FAI participated and made a presentation on 'Recent N-related Policy Developments in India and Industry's Response' in IFA Crossroads Asia-Pacific Conference held during 22-24 October 2019 in Sydney, Australia.
8. DG, FAI participated in the Experts meeting on 'Direct Benefit Transfer under Nutrient based Subsidy Regime' organised by National Academy of Agricultural Sciences on 11<sup>th</sup> March, 2020, New Delhi.
9. DDG, FAI participated in 2019 IFA Global Technical Symposium in New Orleans, USA during 8-11 April, 2019. He participated in the meetings of various Working Groups of IFA during the Symposium.
10. DDG, FAI participated in two meetings of Round Table on Natural Gas study by Brookings India on 2<sup>nd</sup> May, 2019 and 4<sup>th</sup> May 2019 in New Delhi.
11. DDG, FAI presented a paper on 'Natural Gas Demand in the Fertilizer Sector' in Round Table on Natural Gas study by Brookings India on 14<sup>th</sup> May, 2019 in New Delhi.
12. DDG, FAI participated as panelist in the Session on 'Near Term Action Plan' in an Indian Industry Coalition Workshop jointly convened by MOEFCC and TERI on 22<sup>nd</sup> May, 2019, New Delhi.
13. DDG, FAI chaired a session on 'Policy Issues and Future Needs' in Indo-US Symposium on 'Next Generation Biologically Synthesized Nano-fertilizers for Seed Coating and Foliar Application' organised by TERI- Deakin Nano-biotechnology Centre, Gurugram, Haryana during 5-7 September, 2019.
14. DDG, FAI attended the Stakeholder's consultation meet regarding harness of bedded salt deposits in Nagaur-Ganganagar Basin of Rajasthan at Department of Mines & Geology Rajasthan, New Delhi on 15<sup>th</sup> November, 2019.
15. DDG, FAI was a distinguished Speaker and delivered SK Gupta Memorial Lecture on 'Sixty Years of Ammonia Production in India' at the 72<sup>nd</sup> Annual Session of the Indian Institute of Chemical Engineers at Indian Institute of Technology, Delhi during 16-19 December, 2019.
16. DDG, FAI participated in the IFA Global Stewardship Conference and meetings of IFA Method Harmonization Working Group and IFA Phosphogypsum/Norms Working Group in New York during 3-7 February, 2020.
17. Adviser, FAI participated in virtual meeting of IFA on 'Revised Methodology for Developing Long-term Fertilizer Demand Projections' in May, 2019.

18. Director (Agricultural Sciences), FAI served as one of the panelists in Vaad Samvaad Programme on 'Balanced Fertilization and Policy' telecast from Doordarshan Kisan Channel on 5<sup>th</sup> October, 2019.
19. Director (Agricultural Sciences), FAI participated and made presentation in Roundtable Discussion 'Towards Reduced Consumption of Nitrogenous Fertilizers in Indian Agriculture: Tools, Techniques, Strategies and Policies' organised by Punjab State Farmers and Farm Workers Commission and International Maize and Wheat Improvement Center (CIMMYT) on 5<sup>th</sup> November, 2019 at Kisan Vikas Chamber, Mohali, Punjab.
20. Director (Agricultural Sciences), FAI delivered lectures on 'Fertilizer Marketing and Distribution System in India' in Refresher Training Programme for Fertilizer Analysts on 29<sup>th</sup> August, 2019 and 28<sup>th</sup> January, 2020 at Central Fertiliser Quality Control and Training Institute, Faridabad.
21. Director (Agricultural Sciences), FAI participated in National Crop Nutrition Summit – 2020 organised by Indian Micro-Fertilizers Manufacturers Association on 13<sup>th</sup> February, 2020, New Delhi.
22. Director (Agricultural Sciences), FAI participated and made a presentation on 'Current Status of Mineral Fertilizer Application in India' in India-Russia Roundtable Discussion on 'Balanced and Efficient Application of Mineral Fertilizers' held on 27<sup>th</sup> February, 2020, New Delhi.
23. Chief (Technical), FAI attended the Conference and Exhibition for Emissions Monitoring in India during 24-26 September, 2019, New Delhi.
24. Chief (Technical), FAI attended the 72<sup>nd</sup> Annual Session of the IICChE, CHEMCON 2019 during 16-19 December 2019, IIT Delhi.
25. Chief (Technical), FAI attended the Plastics Waste Management & Recycling Conference in New Delhi on 23<sup>rd</sup> August, 2019.
26. RH-ER, FAI delivered lectures on 'Fertilizer Scenario' in the training programmes for the agricultural offices of the Eastern Region organized by Regional Fertiliser Control Laboratory on 16<sup>th</sup> July, 2019 and 27<sup>th</sup> August, 2019 at Kalyani, West Bengal.
27. RH-ER, FAI attended a programme on Agriculture and Agriculture Land organized by Prasar Bharati All India Radio, Kolkata and delivered a talk on 'Ways and Means for Doubling Farmers' Income on 17<sup>th</sup> October, 2019.
28. RH-SR, FAI participated and made presentations on 'Fertilizer Policy, Scenario, Marketing, Distribution and Related Aspects' in the Refresher Courses for the officers of Department of Agriculture organized by the Regional Fertiliser Control Laboratory, Ministry of Agriculture and Farmers Welfare, Government of India at Chennai on 16<sup>th</sup> July 2019 and 24<sup>th</sup> September, 2019.
29. FAI-WR officials acted as faculty in various training programmes organized by the Regional Quality Control Laboratory, Navi Mumbai, the fertilizer industry and the management institutes

### MEETINGS

1. DG, FAI had meetings with the Hon'ble Minister of Chemicals & Fertilizers and Hon'ble Minister of State of Fertilizers & Chemicals at several times to apprise them about the various issues of the fertilizer sector including undue delay in payment of subsidy.
2. DG, FAI attended numerous meetings in the Department of Fertilizers (DOF), Chaired by the Secretary (Fertilizers), Additional Secretary and Joint Secretaries on the subject related to urea policy, NBS policy for P&K fertilizers, subsidy and freight payments, DBT and issues of SSP industry.
3. DG, FAI attended various meetings in the Ministry of Agriculture & Farmers Welfare including Central Fertiliser Committee (CFC) for Fertiliser Control Order. He attended all the three CFC meetings held on 29<sup>th</sup> April, 2019; 22<sup>nd</sup> October, 2019; and 10<sup>th</sup> January, 2020 and provided valuable inputs.
4. DG, FAI attended a meeting on 30<sup>th</sup> April, 2019 under the Chairmanship of the Secretary, DAC&FW to discuss liberalization of the fertilizer markets.
5. DG, FAI participated in a meeting chaired by the Secretary (Fertilizers) regarding long term tie up for potash from Canada on 22<sup>nd</sup> April, 2019.
6. DG, FAI participated in the meetings chaired by Joint Secretary, DOF to discuss issues related to SSP industry on 17<sup>th</sup> May, 2019, 6<sup>th</sup> August, 2019 and 3<sup>rd</sup> January, 2020.
7. DG, FAI participated in the meetings of the Committee on 'Reasonableness of MRP for P&K Fertilizers' held under the Chairmanship of Additional Secretary, DOF on 18<sup>th</sup> June, 2019 and 25<sup>th</sup> July, 2019.
8. DG, FAI participated in the Programme for Launch of DBT 2.0 Initiatives (Dashboards, PoS 3.0 Software, Desktop PoS Version) by the Hon'ble Minister of Chemicals & Fertilizers held in New Delhi on 10<sup>th</sup> July, 2019.

9. DG, FAI met Mr. Nitin Gadkari, Hon'ble Minister of Road Transport & Highways on 20<sup>th</sup> August, 2019 to apprise him of major issues of fertilizer sector.
10. DG, FAI participated in the meetings chaired by Additional Secretary (Fertilizers) to discuss issues related to labelling and identification of fertilizer bags at ports on 20<sup>th</sup> August and 11<sup>th</sup> October, 2019.
11. DG, FAI participated in a meeting on 19<sup>th</sup> September, 2019 Chaired by Hon'ble Minister for Commerce & Industry on the chemicals and pharma related products under the ongoing negotiations of the Regional Comprehensive Economic Partnership.
12. DG along with Chairman, FAI had a meeting with the Secretary (Fertilizers) regarding issues related to implementation of Plastic Waste Management Rules in Fertilizer Sector on 26<sup>th</sup> September, 2019.
13. DG, FAI had a meeting with the Secretary (Fertilizers) on 5<sup>th</sup> December, 2019 on various issues of the fertilizer industry.
14. DG, FAI participated in a meeting chaired by Secretary (Fertilizers) regarding fixed cost for production beyond RAC on 9<sup>th</sup> December, 2019.
15. DG, FAI participated in a meeting by Joint Secretary, DOF to discuss the impact of COVID-19 on fertilizer sector in India on 24<sup>th</sup> February, 2020.
16. DG, FAI participated in a meeting chaired by Hon'ble Minister of State of Chemicals and Fertilizers regarding promotion of coastal movement of fertilizers on 25<sup>th</sup> February, 2020.
17. DDG, FAI attended a meeting of the 1<sup>st</sup> Inter-Ministerial Expert Committee to Frame Guidelines for evaluation of Nano-based Agri and Food Products in India at Department of Biotechnology, Ministry of Science and Technology on 9<sup>th</sup> July, 2019 and presented FAI views.
18. DDG, FAI attended a meeting of industry representatives with Special Envoy of United Nations for 2019 Climate Summit at The Energy and Resources Institute (TERI) on 23<sup>rd</sup> July, 2019.
19. DDG, FAI attended a meeting of the ICC-Northern Region Executive Committee on 25<sup>th</sup> July, 2019.
20. DDG, FAI attended two meetings of Multi-disciplinary Committee to study the techno-economic feasibility of beneficiated rock phosphate in India constituted by the Department of Fertilizers on 3<sup>rd</sup> and 26<sup>th</sup> September, 2019.
21. DDG and Director (Marketing), FAI attended a meeting on policy and regulatory initiatives for promoting coastal shipping/inland water transport of fertilizers across the country chaired by Joint Secretary (Sagarmala), Ministry of Shipping on 6<sup>th</sup> September, 2019.
22. DDG and Chief Economist, FAI attended a meeting with senior officials of Ministry of Finance to discuss the issues of the Indian fertilizer industry and suggest policy interventions to reduce undue import dependence and enhancing domestic eco-system on 28<sup>th</sup> November, 2019.
23. DDG and Advisor, FAI attended the EFTA Rules of Origin meeting at Department of Commerce on 17<sup>th</sup> December, 2019.
24. DDG, FAI attended a meeting of the Technical Committee of the Department of Fertilizers in the NFL Office, Noida on 19<sup>th</sup> March, 2020.
25. Director (Marketing), FAI attended a meeting on 'Labelling and Identification of Fertilizer Bags at Ports Chaired by Additional Secretary, DOF on 30<sup>th</sup> January, 2020.
26. Director (Marketing), FAI attended a meeting to review the supply of fertilizers to various states from Eastern and Western Ports of India Chaired by Assistant Commissioner (M) & Director (M) Incharge, Department of Fertilizers, on 3<sup>rd</sup> March, 2020.
27. Director (Marketing), Regional Head (SR), Chief (Marketing) and Officer-NR participated in the *kharif* 2020 Zonal Conference for East, North-East, South, West and North zones, on 27<sup>th</sup> February, 2020, New Delhi.
28. Director (Agricultural Sciences), Adviser, Regional Heads and Chief (Marketing), FAI participated in the *rabi* 2019-20 Zonal Conference for East, North-East, South, West and North zones on 11<sup>th</sup> September, 2019, New Delhi.
29. Director (Agricultural Sciences) attended Second Meeting of Scientific Advisory Board of TERI- Deakin Nano-biotechnology Centre (TDNBC) on 22<sup>nd</sup> January, 2020 at TERI Gram, Gurugram, Haryana.
30. Director (Agricultural Sciences) attended a meeting held on 25<sup>th</sup> January, 2020 under the chairmanship of Joint Secretary (INM), DAC&FW wherein a presentation was made by Koch Agronomic Services, LLC - an indirect wholly owned subsidiary of KAES on the Production Technology of Enhanced Efficient Nitrogen Fertilizer (EEF) through incorporation of a proprietary additive formula (AGROTAIN stabilizer) during urea production.
31. Director (Agricultural Sciences) and Advisor, FAI

- attended a meeting convened by Chairman, Commission for Agricultural Costs & Prices on formulation of price policy for *kharif* crops, on 12<sup>th</sup> February, 2020, New Delhi.
32. Chief (Technical), FAI attended the ICC Northern Region Executive Committee Meeting in New Delhi on 16<sup>th</sup> April 2019.
33. Chief (Technical), FAI attended the 8<sup>th</sup> Meeting of CHD 35 - Air Quality Sectional Committee of Bureau of Indian Standards (BIS), New Delhi on 9<sup>th</sup> July, 2019.
34. Chief (Technical), FAI attended the release function of green rating of the fertilizer industry in India organised by Centre for Service & Environment on 29<sup>th</sup> July, 2019 in New Delhi.
35. Chief (Technical), FAI attended the meeting of Energy Management and Energy Savings Sectional Committee, MED 39 at BIS Office, New Delhi on 19<sup>th</sup> August, 2019.
36. 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.
37. FAI-WR regularly participates in the meetings of Fertilizer Industry Coordination Committee of the Railways. Six meetings were held during 2019-20. In such meetings, various issues related to wagon availability, loading/unloading of rakes, etc., for the western region are discussed
38. Regional Head, FAI-ER attended the meetings of the Board of Sikkim IFFCO Organics Limited on 5<sup>th</sup> August, 2019, 23<sup>rd</sup> October, 2019 and 4<sup>th</sup> February, 2020.
39. Regional Head, FAI-ER attended a meeting of the Board of Studies for School of Agriculture and Allied Science, The Neotia University, South 24-Parganas, West Bengal as Industrial Expert on 20<sup>th</sup> March, 2020 at Kolkata.



## APPENDIX IV

### TRAINING PROGRAMMES/ORIENTATION COURSES HELD DURING 2019-20

S. No.	Name of the programme	Period	Name of the City	No. of Participants	Inaugurated by
<b>CORPORATE OFFICE</b>					
1.	Fertilizer Industry Orientation Programme	24-26 April 2019	New Delhi	31	Mr. Satish Chander Director General FAI, New Delhi
2.	Recent Developments and Challenges in Fertilizer Sector	8-11 May 2019	Haridwar	43	Mr. Satish Chander Director General FAI, New Delhi
3.	Group Discussion on Operation and Maintenance Problems of Acid and Complex Fertilizer Plants	29-31 May 2019	Goa	31	Mr. Nilesh Dessai Chief General Manager (Operations), ZACL, Goa
4.	Fertilizer Industry Orientation Programme	21-23 August 2019	New Delhi	31	Dr. S. Nand Deputy Director General FAI, New Delhi
5.	Training Programme for Senior Maintenance Engineers in Fertilizer Industry	27 <sup>th</sup> January to 1 <sup>st</sup> February 2020	Vadodara	42	Dr. S. Nand Deputy Director General FAI, New Delhi
<b>NORTHERN REGION</b>					
1.	Dealer Training Programme	7 May 2019	Jodhpur	68	Dr. Ummed Singh Dean, College of Agriculture Agriculture University Jodhpur
2.	Fertilizer Orientation Course	8 May 2019	Jodhpur	107	Dr. S.K. Singh Director ICAR-Agricultural Technology Application Research Institute Jodhpur
3.	Fertilizer Orientation Course	1 August 2019	Jalandhar	210	Mr. Satish Chander Director General FAI, New Delhi
4.	Dealer Training Programme	2 August 2019	Jalandhar	90	Mr. Satish Chander Director General FAI, New Delhi
5.	Challenges and Strategies for Fertilizer Industry	11-14 September 2019	Kufri	54	Mr. Manoj Mishra Chairman & Managing Director NFL, Noida and Co-Chairman, FAI, New Delhi
6.	Challenges and Strategies for Fertilizer Industry	12-15 February 2020	Jaisalmer	65	Mr. Satish Chander Director General FAI, New Delhi

S. No.	Name of the programme	Period	Name of the City	No. of Participants	Inaugurated by
<b>EASTERN REGION</b>					
1.	Fertilizer Orientation Course	11 May 2019	Medziphema	122	Dr. A.K. Makar Dean School of Agricultural Sciences and Rural Development Medziphema
2.	Climate Change and Sustainable Agriculture	24 July 2019	Kolkata	40	Mr. Pradip Mazumdar Advisor to Hon'ble Chief Minister, Agriculture and Allied Sector, Government of West Bengal
3.	Doubling of Farmers Income – Challenges and Strategies	22 August 2019	Ranchi	44	Swami Bhaveshananda Maharaj Secretary Rama Krishna Mission Ashram Morabadi, Ranchi
4.	Soil Health and Fertilizer use in West Bengal	17 September 2019	Kolkata	35	Mr. Sunil Sethy Managing Director PPL and ZACL, Gurgaon
5.	Managing Soil Health for Sustainable Agriculture	26 November 2019	Patna	30	Dr. Brajesh Kumar Joint Director (Agro) Crop & Farm Government of Bihar, Patna
6.	Fertilizer Control Order and Quality Assurance at Field Level	11 December 2019	Kolkata	38	Mr. Sampat Ranjan Patra Director of Agriculture and Ex-Officio Secretary Government of West Bengal Kolkata
7.	Dealer Training Programme	14 January 2020	Howrah	51	Mr. Bikash Biswas Deputy Director of Agriculture (Administration) Department of Agriculture Howrah
8.	Integrated Nutrient Management, Soil Fertility and Sustainable Agriculture	17 February 2020	Bhubaneswar	39	Mr. Sunil Sethy Managing Director PPL and ZACL, Gurgaon
9.	Policy Reforms in Fertilizer Sector – A Need for Food and Nutrition Security	19-21 February 2020	Paradeep	44	Mr. R.S. Chugh Chief Operating Officer PPL, Paradeep
<b>WESTERN REGION</b>					
1.	Fertilizer Orientation Programme	12 April 2019	Amreli	74	Dr. V.P. Chovatia Director Research Junagadh Agricultural University & Dean College of Agriculture, Amreli
2.	Dynamic of Fertilizer Marketing	24-27 September 2019	Goa	41	Mr. Madhav Kelkar Director of Agriculture, Goa

S. No.	Name of the programme	Period	Name of the City	No. of Participants	Inaugurated by
3.	Dealer Training Programme	15 November 2019	Palanpur	69	Mr. B.N. Patel Deputy Director of Agriculture Palanpur
4.	Dealer Training Programme	19 December 2019	Bilaspur	68	Mr. A.B. Asana Additional Director of Agriculture Bilaspur
5.	Dealer Training Programme	23 January 2020	Sehore	77	Dr. H.D. Verma Dean RAK College of Agriculture Sehore
6.	Dealer Training Programme	14 February 2020	Nanded	100	Mr. R.B. Chalavade SAO Nanded
7.	Fertilizer Orientation Programme	14 November 2019	Dantiwada	90	Dr. D.A. Dodia Dean College of Agriculture Sardarkrushinagar, Dantiwada
8.	Fertilizer Orientation Programme	20 December 2019	Bhatapara	65	Dr. Rajendra Lakpale Dean College of Agriculture Bhatapara
9.	Fertilizer Orientation Programme	22 January 2020	Sehore	50	Dr. A.K. Singh Director Instructions Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya Gwalior
10.	Fertilizer Orientation Programme	13 February 2020	Naigaon	75	Dr. R.G. Nadre Principal & Dean College of Agriculture Naigaon, Dist. Nanded
<b>SOUTHERN REGION</b>					
1.	Programme on Fertigation	18 April 2019	Anantharajupet	216	Mr. Chiranjiv Choudhary Commissioner of Horticulture Government of Andhra Pradesh and Vice Chancellor Dr. Y.S.R. Horticultural University Venkataramangudem
2.	Fertilizer Orientation Course	26 April 2019	Killikulam	220	Mr. K.V. Rama Murthy Managing Director and Chief Executive Officer Tamil Nadu Mercantile Bank Tuticorin
3.	Need for Reforms in Fertilizer Policy in Promoting Balanced use of Nutrients	21 June 2019	Thiruvananthapuram	78	Dr. Archana Mukherjee Director ICAR - Central Tuber Crops Research Institute Thiruvananthapuram
4.	Integrated Nutrient Management for Sustaining Soil Health and Enhancing Quality Productivity	11 July 2019	Warangal	81	Dr. E. Srinivas Head DAATT Centre, Warangal

S. No.	Name of the programme	Period	Name of the City	No. of Participants	Inaugurated by
5.	Fertilizer Orientation Course	12 July 2019	Warangal	114	Dr. P.C. Rao Former Dean of Agriculture PJTSAU, Hyderabad
6.	Best Management Practices for Sustaining Soil Health and Enhancing Quality Productivity	29 August 2019	Coimbatore	72	Mr. S. Narayanan Director Marketing Greenstar Fertilizers Limited and Chairman, FAI-SR, Chennai
7.	Fertilizer Orientation Course	13 September 2019	Palasa	111	Dr. P. Raghurami Reddy Associate Dean Agricultural College, Palasa
8.	Fertiliser Policy for Encouraging Integrated Nutrient Management and Smooth Implementation of DBT	16 October 2019	Hyderabad	81	Dr. S.R. Voleti Director ICAR - Indian Institute of Rice Research, Rajendranagar
9.	Fertilizer Orientation Course	17 October 2019	Rajendranagar	318	Dr. V. Praveen Rao Vice Chancellor PJTSAU, Rajendranagar
10.	Fertilizer Orientation Course	20 November 2019	Vellanikkara	127	Dr. Narayanan Kutty Associate Dean Horticultural College Vellanikkara
11.	Resource Management in Agriculture for Enhancing Farmer' Income – Role of Fertilizer Policy	22 November 2019	Thrissur	64	Mr. S. Narayanan Director Marketing SPIC and Greenstar Fertilizers Limited and Chairman, FAI-SR, Chennai
12.	Need for Paradigm Shift in Fertilizer Policy	7-10 December 2019	Tuticorin	45	Mr. T.K. Ramachandran Chairman VOC Port Trust Tuticorin
13.	Sustaining Soil Health through Integrated Nutrient Management	22 January 2020	Mandya	84	Dr. S.N. Vasudevan Associate Director of Research Zonal Agricultural Research Station, Mandya
14.	Fertilizer Orientation Course	23 January 2020	Mandya	92	Dr. Venkatesh Dean College of Agriculture Mandya

## ACTIVITIES - CORPORATE OFFICE



## ACTIVITIES - CORPORATE OFFICE



## ACTIVITIES - REGIONAL OFFICES



## ACTIVITIES - REGIONAL OFFICES



APPENDIX V

FAI AWARDS FOR 2019

**I. FAI GOLDEN JUBILEE AWARDS**

**1. BEST PRODUCTION PERFORMANCE AWARDS**

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

Winner

Indian Farmers Fertiliser Cooperative Limited, Aonla-II

Runner-Up

Indian Farmers Fertiliser Cooperative Limited, Aonla-I

**B. Phosphoric Acid Plants**

Winner

Paradeep Phosphates Limited, Paradeep

**C. Complex (P<sub>2</sub>O<sub>5</sub>) Fertilizer Plants**

Winner

Rashtriya Chemicals & Fertilizers Limited, Trombay

**D. Single Super Phosphate Plants**

Winner

Rama Krishi Rasayan, Pune

(A Division of Rama Phosphates Ltd.)

**E. Improvement in Overall Performance of a Company**

Joint Winners

National Fertilizers Limited, Bathinda

and

National Fertilizers Limited, Panipat

**2. BEST TECHNICAL INNOVATION AWARD**

Winner

**Krishak Bharati Cooperative Ltd., Surat** for their innovation "In-house Development of Electronic Governor of Ammonia Refrigeration Compressor Turbine (105-JT)".

Runner-Up

**National Fertilizers Limited, Nangal** for their innovation "In-house Modification in Nitric Acid Plant at National Fertilizers Limited, Nangal to reduce NO<sub>x</sub> Emission".

**II. AWARD FOR EXCELLENCE IN SAFETY**

Joint Winners

Rashtriya Chemicals & Fertilizers Limited, Thal

and

National Fertilizers Limited, Vijaipur

**III. ENVIRONMENT PROTECTION AWARDS**

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

Winner

Indian Farmers Fertiliser Cooperative Limited, Aonla

Runner-Up

Indian Farmers Fertiliser Cooperative Limited, Kalol

**B. NP/NPK Complex Fertilizer Plants with Captive Acids**

Joint Winners

Paradeep Phosphates Limited, Paradeep

and

Indian Farmers Fertiliser Cooperative Limited, Paradeep

**C. NP/NPK Complex Fertilizer Plants without Captive Acids**

Winner

IRC Agrochemicals Private Limited, Haldia

**D. Single Super Phosphate Plants**

Joint Winners

Khaitan Chemicals & Fertilizers Limited, Nimrani

and

IRC Agrochemicals Private Limited, Haldia

**IV. VIDEO FILM COMPETITION AWARDS**

Winner

**Krishak Bharati Cooperative Limited, Noida** for their film "बून्द बून्द से खुशहाली"

Runner-Up

**National Fertilizers Limited, Noida** for their film "किसान बेंटोनाइट सल्फर से सफल फसल"

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

Winner

**Krishak Bharati Cooperative Ltd., Noida**

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

Winner

**Indian Farmers Fertiliser Cooperative Ltd., New Delhi**

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

Winner

**Adventz Agri Business, Gurugram**

**VIII. AWARD ON PROMOTION AND MARKETING OF MICRONUTRIENTS IN INDIA**

Winner

**Indian Farmers Fertiliser Cooperative Ltd., New Delhi**

**IX. FAI GOLDEN JUBILEE AWARD FOR EXCELLENCE IN FERTILIZER USE RESEARCH**

Winner - Dr. C.M. Parihar, Division of Agronomy, ICAR - IARI, Pusa Campus, New Delhi, Dr. S.L. Jat, Indian Institute of Maize Research, PUSA Campus, New Delhi, Dr. H.S. Jat, Central Soil Salinity Research Institute, Karnal, Haryana and Dr. Yadvinder Singh, Department of Soil Science, Punjab Agricultural University, Ludhiana, Punjab

Dr. C.M. Parihar (ICAR-IARI), Dr. S.L. Jat (ICAR-IIMR), Dr. H.S. Jat (ICAR-CSSRI) and Dr. Yadvinder Singh (PAU/BISA) have made significant contributions in developing and evaluating different precision tools (Optical Sensor and Nutrient Expert, NE) and techniques for efficient fertilizer use, especially for conservation agriculture (CA) based cropping systems. Balanced fertilization using NE based site specific nutrient management (SSNM) approach increased productivity and fertilizer use efficiency of different crops over blanket recommendations across the different locations and

soil types. The layering of CA-based practices with precision nutrient prescriptions using SSNM based decision support tools offers a new management paradigm for scaling up of rice- and maize-based systems in India. Their studies showed that fertigation using subsurface drip can increase N use efficiency by more than 25% and water productivity by more than 50% while producing similar or even higher yields of rice - wheat and maize - wheat systems with significant reductions in greenhouse gases compared to conventional systems. The technological advancements made by them for precision nutrient and water management have wider implications for improving nutrient and water use efficiencies, farmers' profitability and soil health, and reducing environmental footprints.

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

*Winner* - Dr. Debarup Das, Division of Soil Science and Agricultural Chemistry, ICAR-IARI, Pusa Campus, New Delhi

Dr. Debarup Das did his Ph.D. on Effect of Long-term Fertilization and Manuring on Potassium Dynamics in Soils of Varying Mineralogical Make-up from ICAR-Indian Agricultural Research Institute, New Delhi. As long-term effect of intensive cropping and fertilization on K dynamics and clay mineralogy in different soils and its implications on sustained high productivity is less understood, study conducted with three major soil orders of India, viz. Inceptisol, Alfisol and Vertisol, is of great academic and practical significance. Long-term application of N and P without K resulted in lower contents of different K pools including NEK compared with those under NPK-fertilized treatments. In Inceptisol, mica content of the clay fraction in surface layer was lower in control, N and NP (42–48%) than the NPK-fertilized treatments (50–57%). He proved that water soluble, ammonium acetate extractable, nitric acid extractable, and non-exchangeable K (NEK) in soil significantly varied under different nutrient supply options after more than four decades of intensive cropping. Dr. Das carried out in-depth research and quantified the adverse effects of K-omission on soil K dynamics and clay mineralogy and clearly demonstrated the potential threat to production sustainability from excessive mining of soil's native potassium.

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

*Winner* - Dr. Vijay Pooniya, Division of Agronomy, ICAR-IARI, New Delhi

Dr. Vijay Pooniya has done outstanding research work on zinc ferti-fortification in cereal-based cropping systems. He has conducted number of field experiments on zinc nutrition in major cereal-food crops i.e., rice, wheat and maize/corn and tested for enhanced zinc content in aromatic rice, wheat, corn, and rice-wheat rotation. He has also contributed significantly in developing techniques for micro-(Zn) and secondary (S) nutrients enrichment for increasing the efficiency of fertilizers in maize, rice & wheat crops. Dr. Pooniya conducted intensive trials as well as field demonstrations to study Zn fertilization for enhancing productivity, Zn content and profitability. He has also tested various Zn fertilization techniques viz. seed coating, foliar application, ZnO slurry, soil + foliar application on different crops and cropping systems.

### XII. BEST ARTICLE AWARDS

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

*First Prize*

Mr. A. K. Nayak and Mr. J. Sondhi, Krishak Bharati Cooperative Ltd., Surat for their article "**Inspection and Maintenance of Rotating Machinery in Fertilizer Plant**" published in the May, 2019 issue of *Indian Journal of Fertilisers*.

*Second Prize*

Mr. Debashis Banerjee and Mr. Ashok Rathore, Shriram Fertilisers & Chemicals, Kota for their article "**Electrical System Maintenance and Reliability Improvement Practices at SFC Kota**" published in the July, 2019 issue of *Indian Journal of Fertilisers*.

#### B. SHRIRAM AWARDS IN MARKETING

*First Prize*

Mr. R.M. Deshpande, Nagarjuna Fertilizers and Chemicals Ltd., Hyderabad for his article "**DBT Issues and Remedies**" published in the September, 2019 issue of *Indian Journal of Fertilisers*.

*Second Prize*

Mr. Sanjay Chhabra, DCM Shriram Limited (Unit : Shriram Fertilisers & Chemicals), New Delhi for his article "**Marketing of Value Added Fertilizers**" published in the September, 2019 issue of *Indian Journal of Fertilisers*.

#### C. DHIRU MORARJI MEMORIAL AWARD IN AGRICULTURAL SCIENCES

*First Prize*

Dr. Shailendra Pratap Singh, Dr. Vikas Kumar Singh and Dr. Subhendu Bhadraray, erstwhile Tata Chemicals Limited for their article "**Smart Cluster: An Agri-input Management Service with a Difference**" published in the October, 2018 issue of *Indian Journal of Fertilisers*.

*Second Prize*

Dr. H. Pathak, Dr. D. Chattarjee, ICAR- National Rice Research Institute, Cuttack, Odisha and Dr. S. Saha, ICAR- Research Complex for North Eastern Hill Region, Umiam, Shillong, Meghalaya for their article "**Fertilizer and Environment Pollution: From Problem to Solution**" published in the March, 2019 issue of *Indian Journal of Fertilisers*.

#### D. SHRIRAM KHAD PATRIKA AWARD (HINDI)

*First Prize*

Dr. Kapila Shekhawat, Dr. Sanjay Singh Rathore, Dr. Parvin Kumar Upadhyay, Dr. Bipin Kumar, Dr. Ram Swaroop Bana, Dr. Rajiv Kumar Singh and Dr. Vinod Kumar Singh, Division of Agronomy, Indian Agricultural Research Institute (IARI), Pusa Campus, New Delhi for their article on "**रबी फसलों में संरक्षण खेती एवं परिशुद्ध पोषक तत्व प्रबंधन**" published in October, 2018 issue of *Khad Patrika*.

*Second Prize*

Dr. Tarunendu Singh and Mr. Yogendra Kumar, Indian Farmers Fertiliser Cooperative Ltd., New Delhi for their article on "**ड्रिप फर्टिगेशन प्रणाली-किसानों की लाभदेयता व टिकाऊ खेती के लिए आवश्यक**" published in the December, 2018 issue of *Khad Patrika*.

## AWARD WINNERS



**FAI Best Production Performance Award – Nitrogenous Fertilizer Plants**  
 Winner : IFFCO, Aonla-II  
 Mr. I.C. Jha, Senior General Manager, receiving the award



**FAI Best Production Performance Award – Nitrogenous Fertilizer Plants**  
 Runner-up : IFFCO, Aonla-I  
 Mr. Rakesh Puri, Senior General Manager, receiving the award



**FAI Best Production Performance Award – Phosphoric Acid 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 – DAP/NP/NPK Complex Fertilizer Plants**  
 Winner : Rashtriya Chemicals & Fertilizers Limited, Trombay  
 Mr. S.C. Mudgerikar, Chairman & Managing Director and Mr. V.P. Sreekrishnan, Executive Director (Trombay), receiving the award



**FAI Best Production Performance Award – Single Super Phosphate Plants**  
 Winner : Rama Krishi Rasayan, Pune  
 (A Division of Rama Phosphate Limited)  
 Mr. Virender Kumar Pandey, General Manager (Works), receiving the award



**FAI Best Production Performance Award – Improvement in Overall Performance of a Company**  
 Joint Winners : National Fertilizers Limited, Panipat & Bathinda Units,  
 Mr. D.S. Ahuja, Director (Technical), NFL, Noida and Mr. A. K. Jain, Chief General Manager, Bathinda, receiving the awards

## AWARD WINNERS



**FAI Best Technical Innovation Award**  
 Winner : Krishak Bharati Cooperative Limited, Surat  
 Mr. M.R. Sharma, Operations Director, receiving the award



**FAI Best Technical Innovation Award**  
 Runner up : National Fertilizers Limited, Nangal  
 Mr. D.S. Ahuja, Director (Technical), NFL, Noida, receiving the award



**FAI Award for Excellence in Safety**  
 Joint Winners : Rashtriya Chemicals & Fertilizers Limited, Thal &  
 National Fertilizers Limited, Vijaipur  
 Mr. S.C. Mudgerkar, Chairman & Managing Director and  
 Mr. A.V. Lonkar, Executive Director, RCF, Thal, receiving the award



**FAI Award for Excellence in Safety**  
 Joint Winners : National Fertilizers Limited, Vijaipur &  
 Rashtriya Chemicals & Fertilizers, Thal  
 Mr. D.S. Ahuja, Director (Technical), NFL, Noida and  
 Mr. J.S. Singh, General Manager, NFL, Vijaipur, receiving the award



**FAI Best Environment Protection Award –  
 Nitrogenous Fertilizer Plants**  
 Winner : IFFCO, Aonla  
 Mr. Diwakar Mishra, Joint General Manager (Technical),  
 receiving the award



**FAI Best Environment Protection Award –  
 Nitrogenous Fertilizer Plants**  
 Runner up : IFFCO, Kalol  
 Mr. D.G. Inamdar, Senior General Manager,  
 receiving the award

## AWARD WINNERS



**FAI Best Environment Protection Award – NP/NPK Complex Fertilizer Plants with Captive Acids**  
 Joint Winners : Paradeep Phosphates Limited, Paradeep & IFFCO, Paradeep  
 Mr. Ranjit Singh Chugh, Chief Operating Officer, PPL, Paradeep and  
 Mr. K.J. Patel, Sr. General Manager, IFFCO, Paradeep, receiving the awards



**FAI Best Environment Protection Award – NP/NPK Complex Fertilizer Plants without Captive Acids**  
 Winner : IRC Agrochemicals Private Limited, Haldia  
 Mr. Ashvini Hiran, Managing Director & CEO, Mr. C.S. Prasad,  
 Asstt. Vice President (Manuf.) and Mr. Arun Mondal,  
 Senior Manager (Environment), receiving the award



**FAI Best Environment Protection Award – Single Super Phosphate Plants**  
 Joint Winners : Khaitan Chemicals & Fertilizers Limited, Nimrani &  
 IRC Agrochemicals Pvt. Ltd., Haldia  
 Mr. Harsh Agnihotri, President & CEO,  
 Khaitan Chemicals & Fertilizers Ltd., receiving the award



**FAI Best Environment Protection Award – Single Super Phosphate Plants**  
 Joint Winners : IRC Agrochemicals Private Limited, Haldia and  
 Khaitan Chemicals & Fertilizers Ltd., Nimrani  
 Mr. Ashvini Hiran, Managing Director & CEO and Mr. Arun Mondal,  
 Sr. Manager (Env.), IRC Agrochemicals Pvt. Ltd., receiving the award



**FAI Best Video Film Award**  
 Winner : Krishak Bharati Cooperative Limited, Noida  
 Mr. V.S. Sirohi, Marketing Director, receiving the award



**FAI Best Video Film Award**  
 Runner up : National Fertilizers Limited, Noida  
 Mr. Y.P. Bhola, Director (Finance), receiving the award

## AWARD WINNERS



**FAI Award on Production, Promotion and Marketing of Biofertilizers, Organic Fertilizers, City Compost**  
 Winner: Krishak Bharati Cooperative Limited, Noida  
 Mr. V.S. Sirohi, Marketing Director and Mr. M.R. Sharma, Operations Director, receiving the award



**FAI Golden Jubilee Award for Innovative Work on Transfer of Improved Farm Technologies**  
 Winner: IFFCO, New Delhi  
 Mr. N.S. Patel, State Marketing Manager (Gujarat) and Mr. Rishi Pal, State Marketing Manager (Uttar Pradesh), receiving the award



**FAI Award on Application of Information and Communication Technology/ Digital Transactions in Agriculture**  
 Winner: Advantz Agri Business, Gurugram  
 Mr. Harshdeep Singh, Vice President (Sales & Marketing) & Dr. K.K. Singh, General Manager (Agri. Business), receiving the award



**FAI Award on Promotion and Marketing of Micronutrients in India - 2019**  
 Winner: IFFCO, New Delhi  
 Mr. Yogendra Kumar, Marketing Director, receiving the award



**FAI Golden Jubilee Award for Excellence in Fertilizer Use Research**  
 Winner: Dr. C.M. Parihar, ICAR-IARI, Dr. S.L. Jat, IIMR, New Delhi, Dr. H.S. Jat, CSSRI, Karnal, and Dr. Yadvinder Singh, PAU, Ludhiana, Dr. C.M. Parihar, Sr. Scientist and Dr. S.L. Jat, Scientist, receiving the award



**FAI Golden Jubilee Award for Outstanding Doctoral Research in Fertilizer Usage**  
 Winner: Dr. Debarup Das, Scientist, Division of Soil Science and Agricultural Chemistry, ICAR-IARI, New Delhi, receiving the award

## AWARD WINNERS



**IZA-FAI Award on Promoting the Use of Zinc in Indian Agriculture**  
 Winner : Dr. Vijay Pooniya, Scientist, Division of Agronomy,  
 ICAR-IARI, New Delhi, receiving the award



**FAI Best Employee Award 2019**  
 Winner : Mr. K. Mohan, Senior Officer (Accounts),  
 receiving the award



**Best Article Awards-Rashtriya Chemicals and Fertilizers Limited Awards in Production and Technology**  
 First Prize : Mr. A.K. Nayak and Mr. J. Sondhi, KRIBHCO, Surat,  
 Mr. A.K. Nayak, Chief General Manager (Maintenance), receiving the award



**Best Article Awards-Rashtriya Chemicals and Fertilizers Limited Awards in Production and Technology**  
 Second Prize : Mr. Debashis Banerjee and Mr. Ashok Rathore,  
 Shriram Fertilisers and Chemicals, Kota,  
 Mr. Debashis Banerjee, Assistant Vice President, Electrical (Fert. and Power),  
 receiving the award



**Best Article Awards-Shriram Awards in Marketing**  
 First Prize : Mr. R.M. Deshpande, Executive Director,  
 Nagarjuna Fertilizers and Chemicals Limited, Hyderabad,  
 receiving the award



**Best Article Awards-Shriram Awards in Marketing**  
 Second Prize : Mr. Sanjay Chhabra, President and Business Head (SFS)  
 DCM Shriram Limited (Unit : Shriram Fertilisers & Chemicals),  
 Mr. Sanjay Chhabra, receiving the award

## AWARD WINNERS



**Best Article Awards-Dhiru Morarji Memorial Award in Agricultural Sciences**  
 First Prize : Dr. Shailendra Pratap Singh, Israel Chemicals Ltd., Gurugram, Dr. Vikas Kumar Singh, Mahindra and Mahindra Ltd., Lucknow and Dr. Subhendu Bhadraray, Rallis India Ltd., Bengaluru  
 Dr. Subhendu Bhadraray and Dr. Shailendra Pratap Singh, receiving the award



**Best Article Awards-Shriram Khad Patrika Award (Hindi)**  
 First Prize : Dr. Kapila Shekhawat, Dr. Sanjay Singh Rathore, Dr. Parvin Kumar Upadhyay, Dr. Bipin Kumar, Dr. Ram Swaroop Bana, Dr. Rajiv Kumar Singh and Dr. Vinod Kumar Singh, Division of Agronomy, ICAR-IARI, New Delhi  
 Dr. Kapila Shekhawat, Senior Scientist, receiving the award



**Best Article Awards-Shriram Khad Patrika Award (Hindi)**  
 Second Prize : Dr. Tarunendu Singh, Manager (AS) & Head (ASD) and Mr. Yogendra Kumar, Marketing Director, IFFCO, New Delhi, receiving the award

## AWARD WINNERS



Dr. Rattan Lal, Distinguished University professor of Soil Science and Director, Carbon Management and Sequestration Centre, The Ohio State University, Columbia, USA, receiving the U.S. Awasthi IFFCO Award for Life Time Achievement in the field of Agriculture Research and Development for the year 2018-19 for his outstanding contribution to soil science



Dr. S. Nand, Deputy Director General, FAI, New Delhi receiving the U.S. Awasthi IFFCO Award for Life Time Achievement in the Field of Fertilizer Industry for the year 2018-19 for his outstanding contribution to the growth and development of fertilizer industry in India.

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 (Hindi)          | 12 issues |

**ANNUAL PUBLICATIONS**

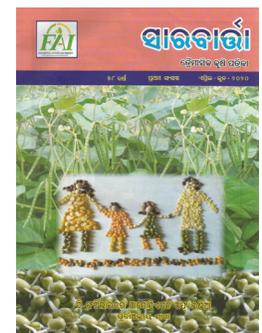
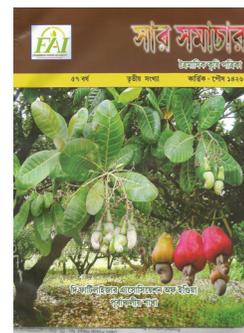
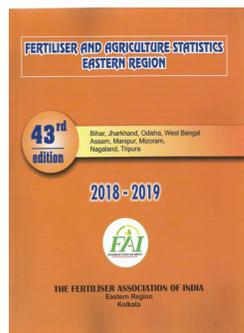
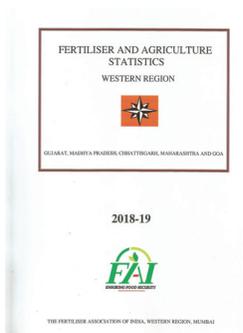
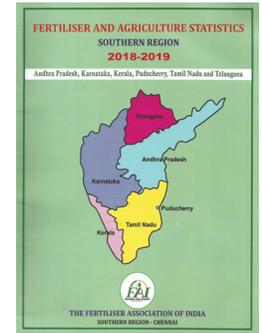
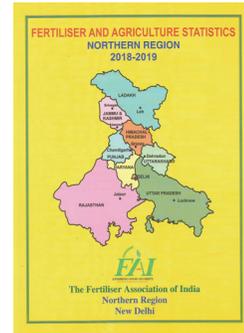
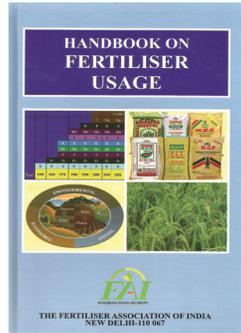
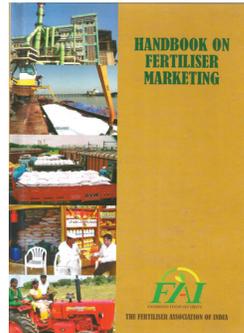
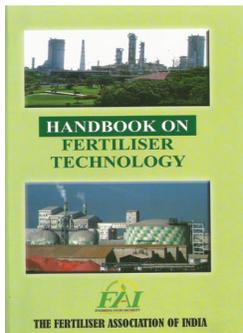
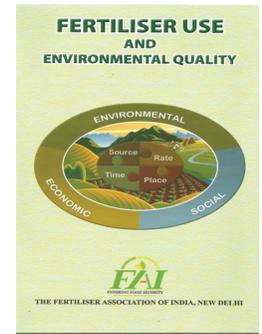
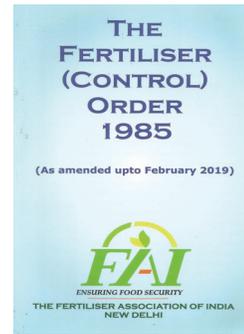
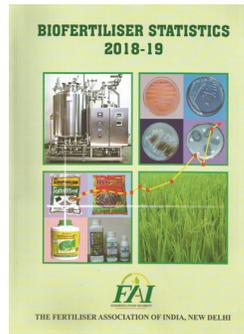
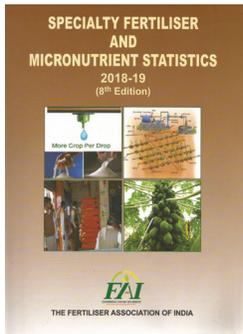
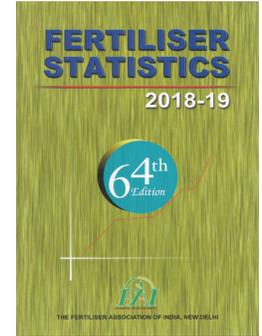
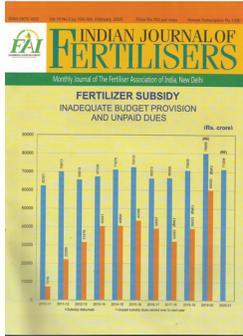
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|---|----------------|
| 1. Annual Review of Fertiliser Production and Consumption – 2018-19 | September 2019 |
| 2. Fertiliser Statistics – 2018-19                                  | November 2019  |
| 3. Specialty Fertiliser and Micronutrient Statistics –2018-19       | November 2019  |
| 4. Biofertiliser Statistics –2018-19                                | November 2019  |
| 5. Pre-prints of FAI Seminar Papers – 2019                          | December 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    |



## FAI PUBLICATIONS



APPENDIX VII

**FAI ADVISORY/REGIONAL COMMITTEE MEETINGS 2019-20**

<b>Advisory Committee</b>	<b>Chairman</b>	<b>No. of Meetings held</b>
Agricultural Sciences	Mr. N. Sambasiva Rao, Managing Director, KRIBHCO, Noida	1
Environment	Mr. K. Prabhakar Rao, Whole Time Director, MCFL, Mangalore	1
Marketing	Mr. V.S. Sirohi, Marketing Director, KRIBHCO, Noida	1
Policy, Finance & Taxation	Mr. Satish Chander, Director General, FAI, New Delhi	1
SSP	Mr. Shailesh Khaitan, Chairman and Managing Director, KCFL, Gurgaon	1
Technical	Mr. K.K. Kaul, Whole Time Director, DCM Shriram Ltd., New Delhi	1
<b>Regional Committees</b>		
East	Mr. Sunil Sethy, Managing Director, PPL & ZACL, Gurgaon	3
North	Mr. A.K. Jain, Vice Chairman & CEO, KFCL, Noida	1
South	Mr. S. Narayanan, Director (Marketing), Greenstar Fertilizers Ltd., Chennai	4
West	Mr. U.V. Dhattrak, Chairman and Managing Director, RCFL, Mumbai	1



APPENDIX VIII

ADVISORY COMMITTEES

**1. Agricultural Sciences**

**Chairman**

Mr. N. Sambasiva Rao  
Managing Director  
Krishak Bharati Cooperative Ltd.  
A-8/A, 10, Sector-1, District Gautam Budh Nagar  
Noida - 201 301, Uttar Pradesh

**Members**

Dr. Y.R. Meena  
Additional Commissioner (INM)  
Department of Agriculture, Cooperation &  
Farmers Welfare  
Ministry of Agriculture & Farmers Welfare  
Room No. 347, Krishi Bhavan  
New Delhi - 110 001

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.  
A-10, Sector-1, Noida - 201 301  
Uttar Pradesh

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

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

Dr. Amit Rastogi  
Executive Vice President – Technology  
Coromandel International Limited  
Coromandel House  
1-2-10, Sardar Patel Road  
Secunderabad – 500 003, Telengana

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 Limited  
'IFFCO Sadan', C-1, District Centre  
Saket Place, New Delhi - 110 017

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

Dr. S.P. Singh  
Senior General Manager (Agronomy)  
Grasim Industries Limited  
Unit - Indo Gulf Fertilizers  
C-32, 4<sup>th</sup> Floor, KRBL Building, Institutional Area  
Noida - 201301, Uttar Pradesh

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

Dr. K. K. Singh  
General Manager - Agri Services  
Zuari Agro Chemicals Ltd.  
206, Tower A, Opp. 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.  
7<sup>th</sup> 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 Limited  
(a 100% subsidiary of DFPCL)  
Sai Hira, Mundhwa  
Pune - 411 036  
Maharashtra

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  
11<sup>th</sup> Floor, DLF Cyber city Building 8C  
DLF Phase 2, Gurgaon - 122 002  
Haryana

Dr. Surender Roperia  
Head - Sales & Marketing  
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 Services & Scientist-F  
India Meteorological Department  
Room No. 123, First Floor, Mahasagar Bhawan  
Block-12, CGO Complex  
Lodhi Road, New Delhi - 110 003

Mr. Abhay Kumar  
Chairman  
Dayal Fertilizers Group  
Delhi Road, Partapur  
Meerut, 250103, Uttar Pradesh

Mr. B.B. Singh  
Vice President - SCM & Corp. Affairs  
Indorama India Private Limited  
P.S. Srijan Tech Park, DN-52  
Unit No. A&B, 14<sup>th</sup> Floor  
Salt Lake, Sector V  
Kolkata - 700 091  
West Bengal

Mr. Virendra Goswami  
Country Manager-India  
Tessenderlo Kerley International  
(part of Tessenderlo Group)  
1<sup>st</sup> Floor, Tower B, Unitech Business Park  
South City-1, Sector 41, Gurgaon - 122 001  
Haryana

Dr. G.C. Shrotriya  
Advisor (Agriculture)  
Green TV India  
F1/1, Second Floor, Okhla Phase I  
New Delhi - 110020

Mr. Mahadev Suvarna  
Vice President – Speciality Plant Nutrition SFS  
Shriram Fertilisers & Chemicals  
Kirti Mahal  
19, Rajendra Place  
New Delhi – 110 008

## 2. Environment

### Chairman

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

### Members

Mr. Srirup Sarkar  
Dy. General Manager (TS)  
Brahmaputra Valley Fertilizer Corp. Ltd.  
Namrup  
P. O. Parbatpur - 786 623  
District Dibrugarh, Assam

Mr. U.R. Singh  
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 Limited  
Coromandel House  
1-2-10 Sardar Patel Road  
Secunderabad - 500 003  
Telangana

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

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

Mr. Rajendra Sankhe  
Chief Operating Officer  
Grasim Industries Limited  
(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 Limited  
P. O. Narmadanagar - 392 015  
District Bharuch, Gujarat

Mr. S.J. Parikh  
Senior Vice President  
(I&M Bureau, IMS, U&EC & 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 Limited  
(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  
Indorama India Private Limited  
Haldia, Midnapore (W)  
West Bengal - 721606

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

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

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

Mr. H. Gunasekaran  
General Manager-Plant  
Madras Fertilizers Limited  
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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  
Chief General Manager (Technical)  
National Fertilizers Limited  
A-11, Sector 24, Noida - 201 301  
Uttar Pradesh

Mr. Brij Deo Singh  
General Manager (Planning & MR)  
Projects & Development India Limited  
PDIL Bhawan, A-14, Sector 1  
Noida - 201 301, Uttar Pradesh

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

Mr. S.D. Panadare  
Director (Technical)  
Rashtriya Chemicals & Fertilizers Ltd.  
Priyadarshini Building  
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  
Chief Operating Officer  
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 - 683 501, Kerala

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

Mr. N.M. Kantik  
Executive Director  
Zuari Agro Chemicals Ltd.  
Jai Kisaan Bhawan, Zuarinagar - 403 726,  
Goa



APPENDIX IX

**FAI MEMBERS (AS ON 31.3.2020)**

**ACTIVE MEMBERS**

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| <p>1 <b>Asian Fertilizers Limited</b><br/>P.W.D. Officers Colony,<br/>Near Rastriya Sahara Press, Park Road,<br/>Gorakhpur<br/>Uttar Pradesh - 273 001</p> <p>2 <b>BEC Fertilizers</b><br/>(Unit of Bhillai Engg. Corp.Ltd.)<br/>Sector A, Sirgetti Industrial Area, Sirgetti,<br/>Bilaspur 495 004<br/>Chattisgarh</p> <p>3 <b>Bharat Agri Fert. &amp; Realty Limited</b><br/>301, 3rd Floor, Hubtown Solaries,<br/>N.S. Phadke Marg, Near East West Flyover,<br/>Andheri (East), Mumbai<br/>Maharashtra - 400 069</p> <p>4 <b>Brahmaputra Valley Fertilizer Corporation Limited</b><br/>Regd. Office Namrup<br/>P.O. Parbatpur<br/>District Dibrugarh 786 623<br/>Assam</p> <p>5 <b>Chambal Fertilizers and Chemicals Limited</b><br/>Corporate One, First Floor,<br/>5, Commercial Center, Jasola<br/>New Delhi - 110 025</p> <p>6 <b>Coimbatore Pioneer Fertilizers Limited</b><br/>P.O.Muthugoundanpudur<br/>Via Sulur, District Coimbatore 641 006<br/>Tamil Nadu</p> <p>7 <b>Coromandel International Limited</b><br/>1-2-10, Sardar Patel Road<br/>Post Box No. 1589<br/>Secunderabad 500 003<br/>Telangana</p> <p>8 <b>DCM Shriram Limited</b><br/>(Unit : Shriram Fertilizers &amp; Chemicals)<br/>2nd Floor, (West Wing), World Mark 1, Aerocity,<br/>New Delhi - 110 037</p> <p>9 <b>Grasim Industries Limited</b><br/>(Unit : Indo Gulf Fertilisers)<br/>P.O. Jagdishpur Industrial Area<br/>District Amethi 227 817<br/>Uttar Pradesh</p> | <p>10 <b>Greenstar Fertilizers Limited</b><br/>SPIC House<br/>No. 88, Mount Road, Guindy<br/>Chennai 600 032, Tamil Nadu</p> <p>11 <b>Gujarat Narmada Valley Fertilizers &amp; Chemicals Limited</b><br/>P.O. Narmada Nagar<br/>District Bharuch 392 015<br/>Gujarat</p> <p>12 <b>Gujarat State Fertilizers &amp; Chemicals Limited</b><br/>P.O. Fertilizernagar<br/>District Vadodara 391 750<br/>Gujarat</p> <p>13 <b>Hindalco Industries Limited</b><br/>(Unit : Birla Copper)<br/>3rd Floor, Aries House, Near Hotel Siddharth Palace,<br/>Old, Padra Road, Baroda 390 015<br/>Gujarat</p> <p>14 <b>Indian Farmers Fertiliser Cooperative Limited</b><br/>IFFCO Sadan<br/>C-1, District Centre, Saket Place,<br/>New Delhi - 110 017</p> <p>15 <b>Indian Potash Limited</b><br/>Potash Bhawan,<br/>10-B, Rajendra Park, Pusa Road,<br/>New Delhi - 110 060</p> <p>16 <b>Indorama India Private Limited</b><br/>Ecocentre, EM-4, 12th Floor,<br/>Unit No. ECSL-1201, Sector V, Salt Lake,<br/>Kolkata 700 091<br/>West Bengal</p> <p>17 <b>Jubilant Agri and Consumer Products Limited</b><br/>Plot No. 15, Knowledge Park - II,<br/>Greater Noida 201 306<br/>Uttar Pradesh</p> <p>18 <b>Kanpur Fertilizer and Cement Limited</b><br/>C/o Jaiprakash Associates Ltd.<br/>Jaypee Greens Wish Town, Sector - 128,<br/>Noida 201 304, Uttar Pradesh</p> <p>19 <b>Khaitan Chemicals &amp; Fertilizers Limited</b><br/>Apollo Arcade, 3rd Floor, 1/2, Old Palasia,<br/>Opposite Palasia Police Station, Indore 452 018<br/>Madhya Pradesh</p> |
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| <p>20 <b>Kribhco Fertilizers Limited</b><br/>4th Floor, KRIBHCO Bhawan,<br/>A-10, Sector 1, District Gautam Budh Nagar,<br/>Noida 201 301<br/>Uttar Pradesh</p> <p>21 <b>Krishak Bharati Cooperative Limited</b><br/>A8-10, Sector-1<br/>District Gautam Budh Nagar<br/>Noida 201 301<br/>Uttar Pradesh</p> <p>22 <b>Madras Fertilizers Limited</b><br/>Manali<br/>Chennai 600 068<br/>Tamil Nadu</p> <p>23 <b>Mangalore Chemicals &amp; Fertilizers Limited</b><br/>Level-11, UB Towers, UB City</p> <p>24, Vittal Mallya Road<br/>Bengaluru 560 001<br/>Karnataka</p> <p>24 <b>Matix Fertilisers and Chemicals Limited</b><br/>Office No. 600, 6th Floor,<br/>Martin Burn Business Park<br/>BP-3, Sector-V, Salt Lake, Kolkata 700 091<br/>West Bengal</p> <p>25 <b>MMTC Limited</b><br/>Scope Building, Core-1<br/>7, Institutional Area, Lodhi Road<br/>New Delhi - 110 003</p> <p>26 <b>Nagarjuna Fertilizers &amp; Chemicals Limited</b><br/>Nagarjuna Hills<br/>Punjagutta<br/>Hyderabad 500 082<br/>Telangana</p> <p>27 <b>National Fertilizers Limited</b><br/>A-11, Sector-24<br/>Distt. Gautam Budh Nagar<br/>Noida 201 301<br/>Uttar Pradesh</p> <p>28 <b>Paradeep Phosphates Limited</b><br/>OSHWCS Building,<br/>Pandit Jawahar Lal Nehru Marg<br/>Bubhaneswar 751 001<br/>Orissa</p> <p>29 <b>Rama Phosphates Limited</b><br/>51 -52, Free Press House<br/>Nariman Point<br/>Mumbai 400 021<br/>Maharashtra</p> | <p>30 <b>Ranadey Micronutrients (Private) Limited</b><br/>Shrikrishna<br/>Krishnakeval Nagar, 1/A, Kondhwa Khurd<br/>Pune 411 048<br/>Maharashtra</p> <p>31 <b>Rashtriya Chemicals and Fertilizers Limited</b><br/>Priyadarshini<br/>Eastern Express Highway, Sion,<br/>Mumbai 400 022<br/>Maharashtra</p> <p>32 <b>Smartchem Technologies Limited</b><br/>(A fully owned subsidiary of DFPCL)<br/>Opposite Golf Course, Jail Road<br/>Shastri Nagar, Yeravada<br/>Pune 411 006<br/>Maharashtra</p> <p>33 <b>Southern Petrochemical Industries Corporation Limited</b><br/>SPIC House,<br/>88, Mount Road, Guindy,<br/>Chennai 600 032<br/>Tamil Nadu</p> <p>34 <b>The Andhra Sugars Limited</b><br/>Post Box No. 102<br/>Venkatarayapuram, District West Godavari<br/>Tanuku 534 215<br/>Andhra Pradesh</p> <p>35 <b>The Dharamsi Morarji Chemical Co. Limited</b><br/>Prospect Chambers<br/>317/21, Dadabhoy Naoroji Road<br/>Mumbai 400 001<br/>Maharashtra</p> <p>36 <b>The Fertilisers and Chemicals Travancore Limited</b><br/>P.O. Udyogamandal<br/>Kochi, Alwaye 683 501<br/>Kerala</p> <p>37 <b>The Jay Shree Chemicals &amp; Fertilisers</b><br/>Industry House, 15th Floor<br/>10, Camac Street<br/>Kolkata 700 017<br/>West Bengal</p> <p>38 <b>The Phosphate Company Limited</b><br/>14, Netaji Subhas Road, 3rd Floor,<br/>Kolkata 700 001<br/>West Bengal</p> <p>39 <b>The State Trading Corporation of India Limited</b><br/>Jawahar Vyapar Bhawan<br/>Tolstoy Marg<br/>New Delhi - 110 001</p> |
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40 **Yara Fertilisers India Private Limited**  
502, Global Business Square,  
Plot No.32, Sector-44, Gurgaon 122 002  
Haryana

41 **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

2 **Aarti Fertilizers**  
(A Division of Aarti Industries),  
Plot No. 801, 801/23, GIDC Estate, Phase III, District  
Valsad, Vapi 396 195  
Gujarat

3 **Abdullah Haji Rahimtula & Sons Private Limited**  
DCM Building, 3rd Floor  
Flat No.-3E, 16, Barakhamba Road  
New Delhi - 110 001

4 **ACME Cleantech Solutions Private Limited**  
Plot No. 152, Sector - 44, Gurugram 122 002  
Haryana

5 **Adani Ports and Special Economic Zone Limited**  
Adani Corporate House, Plot No.83  
Institutional Area, Sector - 32  
Gurgaon 122 001, Haryana

6 **AgriMin Control International Private Limited**  
602, Embassy Chambers, 6th Floor,  
Plot No. 5, 3rd Road, Khar (West),  
Mumbai 400 052  
Maharashtra

7 **Agro Phos (India) Limited**  
M-87, Trade Centre  
18, Southtuko Ganj, Indore 452 001  
Madhya Pradesh

8 **Ameropa India Private Limited**  
Office 215-D, Level-2  
Elegance Tower, Jasola  
New Delhi - 110 025

9 **Analyser Instrument Co. Private Limited**  
E-29 (A), Road No.2,  
Indraprastha Industrial Area  
Kota 324 005  
Rajasthan

10 **Anshula Technological Engineering Consultants Private Limited**  
A 401/402, LEO Building (Formerly Kohinoor CHS)  
Plot No.479, T.P.S.III, 24th Road, Khar (West)  
Mumbai 400 052  
Maharashtra

11 **Arihant Fertiliser & Chemicals India Limited**  
119, First Floor, Bansi Trade Centre,  
585/5 M.G. Road, Dr.Roshan Singh Bhandari Marg,  
Indore 452 001  
Madhya Pradesh

12 **Armaco Chemical Process Systems Private Limited**  
A/6, Venus Nauroji Vakil Street,  
Nana Chowk, Grant Road (West)  
Mumbai 400 007  
Maharashtra

13 **Avana Logistek Limited**  
201 & 202, Salcon Aurum, Plot No-4  
Jasola District Centre  
New Delhi - 110 025

14 **Baltic Testing India Private Limited**  
Hubtown Viva Building, Suite No. 313/314,  
3rd Floor, Shankarwadi, Western Express Highway,  
Jogeshwari (East)  
Mumbai 400 060  
Maharashtra

15 **Basant Agro Tech (India) Limited**  
95-96, 9th Floor, 'C' Wing,  
Mittal Court, Jammalal Bajaj Marg, Nariman Point  
Mumbai 400 021  
Maharashtra

16 **Bhaskar Fertilisers Limited**  
Door No. 18-1-343, Venugopal Nagar,  
Opposite R.T.C. Bus Stand,  
Anantapur 515 005  
Andhra Pradesh

17 **Bohra Industries Limited**  
301, Anand Plaza  
University Road  
Udaipur 313 001  
Rajasthan

18 **Borochemie (India) Private Limited**  
40-44A, Dheeraj Heritage, 4th Floor,  
S.V. Road, Santacruz (West)  
Mumbai 400 054, Maharashtra

19 **Chembond Water Technologies Limited**  
Chembond Centre  
EL-71, Mahape MIDC, Navi  
Mumbai 400 705, Maharashtra

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| <p>20 <b>Chemtech Fertilisers Private Limited</b><br/># 303, Siri Estate<br/>Nagarjuna Nagar Colony<br/>Hyderabad 500 073<br/>Telangana</p>   | <p>30 <b>Dhanuka Agritech Limited</b><br/>14th Floor, Building 5A<br/>Cyber City, DLF Phase III<br/>Gurgaon 122 002, Haryana</p>  |
| <p>21 <b>Compagnie Indo-Francaise De Commerce Private Limited</b><br/>DCM Building, 3rd Floor<br/>16, Barakhamba Road<br/>New Delhi - 110 001</p>   | <p>31 <b>Diamond Shipbrokers</b><br/>(A division of Samsara Shipping Pvt. Ltd.)<br/>101/102, Technopolis Knowledge Park<br/>Mahakali Caves Road, Chakala,<br/>Andheri (E), Mumbai 400 093<br/>Maharashtra</p> |
| <p>22 <b>Compo Expert India Private Limited</b><br/>Tower – II, 108, World Trade Center<br/>Kharadi, Pune 411 014<br/>Maharashtra</p>   | <p>32 <b>Dreymoor Fertilizers Overseas Pte. Limited</b><br/>403, Suncity Business Tower<br/>Golf Course Road, Sector - 54<br/>Gurgaon 122 002<br/>Haryana</p>   |
| <p>23 <b>Coromandel SQM (India) Private Limited</b><br/>Coromandel House,<br/>1-2-10, Sardar Patel Road<br/>Secunderabad 500 003<br/>Telangana</p>  | <p>33 <b>Ebara Machinery India Private Limited</b><br/>902, Bhumiraj Costarica, Sector - 18<br/>Palm Beach Road, Sanpada<br/>Navi Mumbai<br/>Maharashtra - 400 705</p>  |
| <p>24 <b>Cotecna Inspection India Private Limited</b><br/>(The Summit - Business Bay)<br/>Office No.213, 214 &amp; 215, Behind Guru Nanak Petrol<br/>Pump, Opposite Cinemax<br/>Off. Andheri - Kurla Road, Prakashwadi<br/>Andheri (East), Mumbai 400 069<br/>Maharashtra</p> | <p>34 <b>Eminence Shipping Agencies Private Limited</b><br/>Flat - 4D, 4th Floor, Embassy Building<br/>4, Shakespeare Sarani<br/>Kolkata 700 071<br/>West Bengal</p>  |
| <p>25 <b>Crop Life Science Limited</b><br/>Plot No.5165 GIDC Estate,<br/>Near 66 KV Sub Station,<br/>Ankleshwar 393 002<br/>Gujarat</p>   | <p>35 <b>Farmfields Private Limited</b><br/>Corp. Office : #301, Orion Plaza<br/>Door No.8-2-351/1/A/43, Road No.3<br/>Banjara Hills<br/>Hyderabad 500 034<br/>Telangana</p>                                  |
| <p>26 <b>Crop Nutri Solutions (India) Private Limited</b><br/>Flat No. : 2A, M.S. Nilayam, Plot No.15<br/>HACP Colony, Kharkhana<br/>Secunderabad 500 009<br/>Telangana</p>   | <p>36 <b>FCI Aravali Gypsum &amp; Minerals India Limited</b><br/>Mangu Singh Rajvi Marg<br/>Paota 'B' Road, Jodhpur 342 010<br/>Rajasthan</p>   |
| <p>27 <b>Dayal Fertilizers (P) Limited</b><br/>Delhi Road, Partapur<br/>Meerut 250 013<br/>Uttar Pradesh</p>  | <p>37 <b>Fertis India Private Limited</b><br/>Plot No.73, SMR House, 3rd Floor,<br/>Nagarjuna Hills, Panjagutta,<br/>Hyderabad 500 082<br/>Telangana</p>  |
| <p>28 <b>Devdhar Chemicals Private Limited</b><br/>5th Floor, Guardian Square Building<br/>CTS No.8/20, Plot No.6/20,<br/>Erandwane, Shankarrao Joshi Road<br/>(Hotel Nisarg Lane), Nr.Nal Stop<br/>Pune 411 004, Maharashtra</p>   | <p>38 <b>Frost International Limited</b><br/>Aria Tower, 3rd Floor, Commercial Block<br/>JW Marriott Hotel, Aerocity, Asset Area - 4<br/>Hospitality<br/>District, New Delhi - 110 037</p>                    |
| <p>29 <b>Dhanlakshmi Biochem Private Limited</b><br/>Prahlanagar, Satellite<br/>Ahmedabad 380 015, Gujarat</p>  | <p>39 <b>GDS Chemicals &amp; Fertilizers Private Limited</b><br/>Aska Road, Near Sarguna Street,<br/>Berhampur, District Ganjam 760 006<br/>Odisha</p>  |

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| <p>40 <b>Gemini Fertilizers</b><br/>Kothari Building<br/>114, Mahathma Gandhi Salai<br/>Nungambakkam<br/>Chennai 600 034<br/>Tamil Nadu</p> <p>41 <b>Geolife Agritech India Private Limited</b><br/>301, Marathon Max, LBS, Marg,<br/>Opposite Nirmal Lifestyle, Mulund West<br/>Nagpur 440 018<br/>Maharashtra</p> <p>42 <b>Growell Resources &amp; Management Private Limited</b><br/>Bharat Insurance Building, 2nd Floor<br/>15-A, Horniman Circle Fort<br/>Mumbai 400 001<br/>Maharashtra</p> <p>43 <b>Gujarat Agro Industries Corporation Limited</b><br/>Agro Service Division<br/>Khet Bhavan, Opposite Old High Court<br/>Navrangpura<br/>Ahmedabad 380 014<br/>Gujarat</p> <p>44 <b>Haldor Topsoe India Private Limited</b><br/>Vatika Mindscapes, Tower A, 3rd Floor<br/>12/3, Mathura Road (NH-2), Sector - 27<br/>Faridabad 121 003<br/>Haryana</p> <p>45 <b>Harshadray Private Limited</b><br/>610, Ansal Bhawan, 6th Floor<br/>16, Kasturba Gandhi Marg<br/>New Delhi - 110 001</p> <p>46 <b>HCM Agro Products Private Limited</b><br/>RR-29, First Floor, Miyan Wali Nagar<br/>Paschim Vihar,<br/>New Delhi - 110 087</p> <p>47 <b>H-Energy Gas Marketing Private Limited</b><br/>H-Energy Group of Companies<br/>12th Floor, Knowledge Park<br/>Hiranandani Business Park, Powai<br/>Mumbai 400 076<br/>Maharashtra</p> <p>48 <b>HIL (India) Limited</b><br/>Scope Complex, 2nd Floor, Core-6<br/>7, Lodi Road,<br/>New Delhi - 110 003</p> <p>49 <b>Hindustan Urvarak &amp; Rasayan Limited</b><br/>Core - 4, 9th Floor, Scope Minar<br/>Laxmi Nagar District Centre<br/>New Delhi - 110 092</p> | <p>50 <b>Hindustan Zinc Limited</b><br/>Yashad Bhawan<br/>Udaipur 313 004, Rajasthan</p> <p>51 <b>HPM Chemicals and Fertilizers Limited</b><br/>209-210, Anupam Bhawan<br/>Near Aakash Cinema, Azadpur<br/>Delhi - 110 033</p> <p>52 <b>ICL Fertilizers (India) Private Limited</b><br/>306, Tower A, Millennium Plaza<br/>Sector 27, Gurgaon 122 002<br/>Haryana</p> <p>53 <b>IFFCO-TOKIO General Insurance Co. Limited</b><br/>IFFCO Tower, 4th &amp; 5th Floor<br/>Plot No.3, Sector-29, Gurgaon 122 001<br/>Haryana</p> <p>54 <b>IL &amp; FS Environmental Infrastructure and Services Limited</b><br/>Plot no - 8,9, 3rd floor<br/>MM tower (Above Passport Sewa Kendra)<br/>Phase - 4, Udyog Vihar<br/>Gurugram 122 002, Haryana</p> <p>55 <b>Indian Agrochem Industries Private Limited</b><br/>Plot No. B-13, MIDC<br/>Badlapur (E)<br/>Dist. Thane 421 503<br/>Maharashtra</p> <p>56 <b>Indian Phosphate Limited</b><br/>F-234, 1E, Mewar Industrial Area<br/>Madri, Udaipur 313 003<br/>Rajasthan</p> <p>57 <b>Indra Industries Limited</b><br/>406, Airen Heights, Opposite Orbit Mall,<br/>Behind Pakiza Showroom<br/>Indore 452 010<br/>Madhya Pradesh</p> <p>58 <b>Inspectorate Griffith India Private Limited</b><br/>3rd Floor, Vasundhara Building<br/>2/7, Sarat Bose Road, Kolkata 700 020<br/>West Bengal</p> <p>59 <b>Intertek India Private Limited</b><br/>F Wing, 1st Floor, Tex Center,<br/>Chandivali Farm Road, Chandivali, Andheri (E)<br/>Mumbai 400 072, Maharashtra</p> <p>60. <b>Ion Exchange India Limited</b><br/>Ion House,<br/>Dr. E. Moses Road, Mahalaxmi,<br/>Mumbai 400 011<br/>Maharashtra</p> |
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| <p>61 <b>ISGEC Heavy Engineering Limited</b><br/>Yamunanagar<br/>Haryana</p>  | <p>72 <b>Karneet Enterprises (India) Private Limited</b><br/>No. 23/3,1st &amp; 2nd Floor<br/>Hare Krishna Road,Crescent Road, High Grounds<br/>Bengaluru 560 001<br/>Karnataka</p>        |
| <p>62 <b>J.B. Boda Insurance Surveyors &amp; Loss Assessors Private Limited</b><br/>1304, 13th Floor, Vijaya Building<br/>17, Barakhamba Road<br/>New Delhi - 110 001</p>                                   | <p>73 <b>Kayavlon Impex Private Limited</b><br/>2nd Floor, Vishwakarma Chambers<br/>Majura Gate, Ring Road<br/>Surat 395 002,<br/>Gujarat</p>  |
| <p>63 <b>J.J. Consultants Private Limited</b><br/>6, Sunder Nagar<br/>New Delhi - 110 003</p>   | <p>74 <b>KBR Engineering &amp; Construction India Private</b><br/>16th Floor, Tower A, Building No. 5<br/>DLF Cyber Terraces, DLF Phase III<br/>Gurgaon 122 002<br/>Haryana</p>            |
| <p>64 <b>J.M. Baxi &amp; Co.</b><br/>1006, 10th Floor, Mohandev Building<br/>13, Tolstoy MarG<br/>New Delhi - 110 001</p>   | <p>75 <b>Key-Tech Engineering Company</b><br/>801A, Seabreeze, above Reliance Digital<br/>New Prabhadevi Road, Prabhadevi<br/>Mumbai 400 025<br/>Maharashtra</p>                           |
| <p>65 <b>Jaishil Sulphur and Chemical Industries</b><br/>B Wing, 202/203 Pratik Industrial Estate,<br/>Bhandup Goregaon Link Road, Near Fortis Hospital<br/>Bhandup (W), Mumbai 400 078<br/>Maharashtra</p> | <p>76 <b>Keytrade AG</b><br/>India Liaison Office<br/>B-260, Greater Kailash - I<br/>New Delhi - 110 048</p>   |
| <p>66 <b>Johnson Matthey Catalysts</b><br/>11th Floor, C Block, Building No.8<br/>DLF Cyber City, DLF Phase II<br/>Gurgaon 122 002, Haryana</p>   | <p>77 <b>Khandelwal Distributors Private Limited</b><br/>More Kothi, Gangapur<br/>Shyamganj<br/>Bareilly 243 005<br/>Uttar Pradesh</p>   |
| <p>67 <b>Jyoti Consultants</b><br/>B-79, Defence Colony<br/>Bhisham Pitamaha Marg<br/>New Delhi - 110 024</p>   | <p>78 <b>Knack Packaging Private Limited</b><br/>330/A , 3rd Floor, Kalasagar Mall<br/>Opp. Sai Baba Temple, Nr.Sattadhar Cross Roads<br/>Ghatlodiya<br/>Ahmedabad 380 061<br/>Gujarat</p> |
| <p>68 <b>K.P.R. Agrochem Limited</b><br/>8-256, Tata Nagar<br/>Balabhadrapuram<br/>District East Godavari 533 343<br/>Andhra Pradesh</p>  | <p>79 <b>Kohinoor Manure Factory</b><br/>Triveni Sugar Mill Road<br/>Sheikhpura, Khatauli<br/>District Muzaffarnagar 251 201<br/>Uttar Pradesh</p>   |
| <p>69 <b>K+S Fertilizers (India) Private Limited</b><br/>Office No.101, First Floor<br/>MARVEL ALAINA, Lane No.5, Koregaon Park<br/>Pune 411 001, Maharashtra</p>   | <p>80 <b>Koppern Maco Services Private Limited</b><br/>6C, Sukhsagar, 2/5, Sarat Bose Road<br/>Kolkata 700 020<br/>West Bengal</p>   |
| <p>70 <b>Kan Biosys</b><br/>917/17, Raveedeeep, Ganeshkiadi<br/>Off F.C. Road, Prin. K.R. Kanitkar Path<br/>Pune 411 004<br/>Maharashtra</p>  | <p>81 <b>Krishna Phoschem Limited</b><br/>5-O-2, Basement Office<br/>R.C. Vyas Colony<br/>Bhilwara 311 001<br/>Rajasthan</p>   |
| <p>71 <b>Karaikal Port Private Limited</b><br/>No.39, Chettinad Chambers, 5th Street,<br/>3rd Floor, R.K. Salai<br/>Near AVM Rajeshwari Marriage Hall<br/>Chennai 600 004<br/>Tamil Nadu</p>                |  |

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| <p>82 <b>Larsen &amp; Toubro Limited</b><br/>Heavy Engineering Division<br/>32, Shivaji Marg<br/>New Delhi - 110 015</p> <p>83 <b>Leon Inspection &amp; Testing India Private Limited</b><br/>No.4, 3rd Floor, 5th Cross Street<br/>Dr.Radha Krishnan Salai, Mylapore<br/>Chennai<br/>Tamil Nadu - 600 004</p> <p>84 <b>Linde Engineering India Private Limited</b><br/>Linde House<br/>Near Nilamber Circle, Vasna-Gotri Road<br/>Vasna, Vadodara 391 410<br/>Gujarat</p> <p>85 <b>Madhya Bharat Agro Products Limited</b><br/>5-0-1, Basement Office<br/>R.C. Vyas Colony<br/>Bhilwara 311 001<br/>Rajasthan</p> <p>86 <b>Mahafeed Speciality Fertilizers (India) Private Limited</b><br/>Office No. 114, City Mall, 1st Floor<br/>Ganeshkhind Road, Near Pune University<br/>Pune 411 007<br/>Maharashtra</p> <p>87 <b>Manoir Petro India Limited</b><br/>A 608, Kailas Business Park, Veer Savarkar Road<br/>Park Side, Vikhroli West<br/>Mumbai 400 079<br/>Maharashtra</p> <p>88 <b>Manshya Marketing Private Limited</b><br/>S.No. 49, Part Rajkumar Lodha Industrial Estate<br/>Vrindavan Nagar Lane No.3, Near Shatrunjay<br/>Mandir, Gokul Nagar, Katraj<br/>Kondhwa Road, Kondhwa BDK,<br/>Pune 411 048, Maharashtra</p> <p>89 <b>Marubeni India Private Limited</b><br/>Unit No. 01, 3rd Floor, Building A-2<br/>Shaheed Jeet Singh Marg<br/>Qutab Institutional Area<br/>New Delhi - 110 067</p> <p>90 <b>MECS India Private Limited</b><br/>81, 82, 83, 8th Floor, 2nd North Avenue<br/>Maker Maxity, Bandra-Kurla Complex<br/>Bandra (East), Mumbai 400 051<br/>Maharashtra</p> <p>91 <b>Midgulf Services India Private Limited</b><br/>12th Floor, Pinnacle Mall, Plot No.3<br/>Sector - 10, District Center Dwarka<br/>New Delhi - 110 075</p> | <p>92 <b>Mitra S.K. Private Limited</b><br/>Shrachi Centre (5th Floor)<br/>74B, AJC Bose Road<br/>Kolkata 700 016<br/>West Bengal</p> <p>93 <b>Mitsubishi Corporation India Private Limited</b><br/>Birla Tower, 5th Floor<br/>25, Barakhamba Road<br/>New Delhi - 110 001</p> <p>94 <b>Mosaic India Private Limited</b><br/>11th Floor, Building 8C<br/>DLF Cyber City, Phase II<br/>Gurgaon 122 002<br/>Haryana</p> <p>95 <b>Multiplex Bio-Tech Private Limited</b><br/>No.180, 1st Main Road<br/>Mahalakshmi Layout<br/>Bengaluru 560 086, Karnataka</p> <p>96 <b>N G Fertilizers and Chemicals Private Limited</b><br/>224/2, 3, NH-5, Kodurupadu Village,<br/>Krishna 521 110<br/>Andhra Pradesh</p> <p>97 <b>Nagarjuna Agro Chemicals Private Limited</b><br/>#6-3-1219/24, 301 &amp; 302, 3rd Floor<br/>Ujjwal Bhavishya Complex<br/>Above Karnataka Bank Ltd.<br/>Street No. : 4, Uma Nagar<br/>Kundan Bagh, Begumpet<br/>Hyderabad 500 016<br/>Telangana</p> <p>98 <b>Naq Global Private Limited</b><br/>Plot No 36,37, Fifth Floor, SDC Vinay 1<br/>Moji Colony, Calgary Marg, Malviya Nagar<br/>Jaipur 302 017, Rajasthan</p> <p>99 <b>Narmada Agro Chemicals Private Limited</b><br/>19-26, Udyognagar<br/>Shardagram Road, District Junagarh<br/>Mangrol 362 225, Gujarat</p> <p>100 <b>Narmada Bio-chem Limited</b><br/>"Narmada House"<br/>Plot No.252, TP No. 50, Nr.Sun Builders,<br/>Sindhu Bhavan Road, Bodakdev<br/>Ahmedabad 380 054<br/>Gujarat</p> <p>101 <b>Narmada Phosphate Limited</b><br/>A-33, Priyadarshini Nagar,<br/>(Just beside the street of Quality Restaurant),<br/>Vyapar Vihar Road, Bilaspur 495 001<br/>Chattisgarh</p> |
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| <p>102 <b>National Cooperative Development Corporation</b><br/>4, Siri Institutional Area<br/>Opposite Siri Fort, Hauz Khas<br/>New Delhi - 110 016</p> <p>103 <b>Neelam Aqua &amp; Speciality Chem Private Limited</b><br/>H-337 (D), Road No.17<br/>V.K.I. Area, Jaipur 302 013<br/>Rajasthan</p> <p>104 <b>Nextnode Bioscience Private Limited</b><br/>607, Abhishree Avenue<br/>Opp. Hanumanji Temple, Nehrunagar, Ambawadi<br/>Ahmedabad 380 015<br/>Gujarat</p> <p>105 <b>Nico Orgo Manures</b><br/>Opposite Railway Station<br/>Dakor 388 225, Gujarat</p> <p>106 <b>Nirma Limited</b><br/>Nirma House<br/>Ashram Road, Near I.T.O.<br/>Ahmedabad 380 009<br/>Gujarat</p> <p>107 <b>OJSC Belarusian Potash Company</b><br/>The Palm Spring Plaza, Unit No.-402<br/>4th Floor, Sector 54, Golf Course Road<br/>Gurgaon 122 001, Haryana</p> <p>108 <b>Ostwal Phoschem (India) Limited</b><br/>5-O-1, R.C. Vyas Colony<br/>Bhilwara 311 001<br/>Rajasthan</p> <p>109 <b>Outokumpu India Private Limited</b><br/>1104 - 1107, Ansal Tower<br/>38, Nehru Place<br/>New Delhi - 110 019</p> <p>110 <b>Oxbow Energy Solutions BV</b><br/>India Liaison Office, 307, Block-4<br/>Hiranandani Meadows, Off Pokharan Road No.2<br/>Thane 400 607<br/>Maharashtra</p> <p>111 <b>P.I. Industries Limited</b><br/>5th Floor, Vipul Square<br/>B-Block, Sushant Lok, Phase - 1<br/>Gurgaon 122 009<br/>Haryana</p> <p>112 <b>Patel Phoschem Limited</b><br/>114, 1st Floor, Ostwal Plaza-I<br/>Air Port Road, Sunderwas<br/>Udaipur 313 001<br/>Rajasthan</p> | <p>113 <b>Peregrine Phosphate (P) Limited</b><br/>No.312, B Wing, 3rd Floor<br/>Mittal Tower, No.6, M.G. Road<br/>Bengaluru 560 001<br/>Karnataka</p> <p>114 <b>Poorti Agri Services Private Limited</b><br/>3rd Floor, Nishuvi Building<br/>Dr.A.B. Road, Worli<br/>Mumbai 400 018<br/>Maharashtra</p> <p>115 <b>Prabhat Fertilizer &amp; Chemicals Works</b><br/>Vill - Kurali, Indri Road<br/>Karnal 132 001, Haryana</p> <p>116 <b>Prima Equipment</b><br/>21, 3rd Floor, Lohana Building<br/>Raopura, Vadodara 390 001<br/>Gujarat</p> <p>117 <b>Privi Life Sciences Private Limited</b><br/>Privi House, A-71, TTC Industrial Area<br/>Thane Belapur Road, Kapor Khairane<br/>Navi Mumbai 400 709<br/>Maharashtra</p> <p>118 <b>Progressive Fertichem (Private) Limited</b><br/>Nizarapar, Jagi Road<br/>District Morigaon 782 410<br/>Assam</p> <p>119 <b>Projects &amp; Development India Limited</b><br/>P.O. Box No.125<br/>A-14, Sector-1, Noida 201 301<br/>Uttar Pradesh</p> <p>120 <b>R.M. Phosphates &amp; Chemicals Private Limited</b><br/>T-3/1, Bhabhle Phata<br/>Phase II, MIDC Nardona<br/>District Dhule 424 309<br/>Maharashtra</p> <p>121 <b>Raindia Chemicals Private Limited</b><br/>Regus, Office No.401 A, 4th Floor, ABW Building<br/>Rectangle-1, aket Commercial Complex-D4<br/>Behind Saket Select City<br/>Mall, Saket, New Delhi - 110 017</p> <p>122 <b>Rajasthan State Mines &amp; Minerals Limited</b><br/>4, Meera Marg<br/>Udaipur 313 001<br/>Rajasthan</p> <p>123 <b>Rajeev Khanna Consulting Inc.</b><br/>E-4, Qutab Hotel Complex<br/>Shaheed Jeet Singh Marg<br/>New Delhi - 110 016</p> |
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- 124 **Rallis India Limited**  
156/157 Nariman Bhavan, 15th Floor,  
227, Nariman Point  
Mumbai 400 021  
Maharashtra
- 125 **Ramagundam Fertilizers and Chemicals Limited**  
3rd & 4th Floor, Mohta Building,  
4, Bhikaji Cama Place,  
New Delhi - 110 066
- 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 **Richfield Fertilisers Private Limited**  
B-27, MIDC Ambad,  
Nashik 422 010  
Maharashtra
- 129 **Rio Tinto India Private 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**  
Flat No. GF-3, Plot No. 35, Road No.70,  
HUDA Enclave, Jubilee Hills,  
Hyderabad 500 033  
Telangana
- 132 **S.L.Dev & Co.**  
75, Link Road  
Suite No.102, Lajpat Nagar III  
New Delhi - 110 024
- 133 **Sabci India Private Limited**  
10th Floor, Ambience Corporate Towers II,  
Ambience Island, Gurgaon 122 001  
Haryana
- 134 **Sai Fertilizers Private Limited**  
21, Princep Street  
Kolkata 700 071, West Bengal
- 135 **Saigal Seatrade Private Limited**  
J.V. House, 2nd Floor  
D.S. Babrekar Marg, Dadar (West)  
Mumbai 400 028  
Maharashtra
- 136 **Saipem India Projects Private Limited**  
4, Yarlagadda Towers, Fourth Lane  
Off Nungambakkam High Road  
Chennai 600 034, Tamil Nadu
- 137 **Samsung C&T Corporation India Private Limited**  
6th Floor, 2A-0601, Two Horizon Centre  
Golf Course Road, Sector-43 , DLF Phase-V  
Gurugram 122 002, Haryana
- 138 **Sarat Chatterjee & Co. (Visakhapatnam) Private**  
Shop No.10, Noble House,  
Hotel Meridien, Janpath  
New Delhi - 110 001
- 139 **Scientific Agriculture Laboratory Private Limited**  
3/196, Natham Main Road  
Manthikulam Villakku, Karuvanur Post  
Madurai 625 014  
Tamil Nadu
- 140 **Seatrans Marine Private Limited**  
ABIR KUNJ, 2nd Floor  
158, Rajdanga Naba Pally, (Besides HDFC Bank)  
Kolkata 700 107  
West Bengal
- 141 **Shail Info**  
B-053, Oakwood Estate  
DLF City, Phase-II, Gurgaon 122 002  
Haryana
- 142 **Shiv Sulphuric Solutions (OPC) Private Limited**  
B-2104, Jasmine Tower  
Vasant Vihar, Pokhran, Road No.-2  
Thane 400 610  
Maharashtra
- 143 **Shiva Global Agro Industries Limited**  
Near State Bank of India  
New Mondha, Nanded 431 602  
Maharashtra
- 144 **Shree Pushkar Chemicals and Fertilisers Limited**  
404 , Picasso Plaza, above Jyoti Restaurant  
Kondhawa Khurd, Pune 411 048  
Maharashtra
- 145 **Shri Ram Solvent Extractions Private Limited**  
Kashipur Road, Jaspur,  
District Udham Singh Nagar 244 712  
Uttarakhand

- 146 **Silverline Fertilisers Private Limited**  
No.12, Arunachala Apartment  
M.G. Road, Shastri Nagar, Thiruvemiyur  
Chennai 600 041  
Tamil Nadu
- 147 **Sim Infosystems Private Limited**  
No.11, 1st Cross Street  
Nehru Nagar, Kottivakkam  
Chennai 600 041  
Tamil Nadu
- 148 **Solvay Specialities India Private Limited**  
Phoenix House, A-Wing, 4th Floor  
462, Lower Parel (W)  
Mumbai 400 013, Maharashtra
- 149 **Sree Ramcides Chemicals Private Limited**  
No. 47 & 49, Bazulla Road  
7th Floor, VBC Solitaire, T. Nagar  
Chennai 600 017, Tamil Nadu
- 150 **Sriganesh Fertilizers & Chemicals Private Limited**  
Swastik Bhawan, 2nd Floor  
9/1, Manorama Ganj, A.B. Road  
Indore 452 001, Madhya Pradesh
- 151 **Subhashri Bio Energies Private Limited**  
67, Goundampalayam (Village)  
Kumaramangalam Post, Tiruchengodu  
District Namakkal 637 205  
Tamil Nadu
- 152 **Sud-Chemie India Private Limited**  
401/402 - Office Block, DLF Place  
Plot : A-4, District Centre, Saket  
New Delhi - 110 017
- 153 **Sulphur Mills Limited**  
604/605, 349-Business Point, 6th Floor  
Western Express Highway, Andheri (E)  
Mumbai 400 069, Maharashtra
- 154 **Sun International Private Limited**  
7th Floor, Le Meridien Commercial Tower  
Raisina Road  
New Delhi - 110 001
- 155 **T.J.Agro Fertilizers Private Limited**  
A-2/3, J.K. Tower  
Near Grid, Kabilpore  
Navsari 396 424, Gujarat
- 156 **Technip India Limited**  
Technip Centre  
No.19, Velachery Main Road, Guindy  
Chennai 600 032  
Tamil Nadu
- 157 **Technology Development Board**  
Wing - A, Ground Floor, Vishwakarma Bhawan  
Shaheed Jit Singh Marg,  
New Delhi - 110 016
- 158 **Tecnimont Private Limited**  
Building No.-2, Plot No.504  
Chincholi Bunder, Link Rd., Malad (W)  
Mumbai 400 064  
Maharashtra
- 159 **Teesta Agro Industries Limited**  
P.O. Rajganj  
Distt. Jalpaiguri  
Jalpaiguri 735 134, West Bengal
- 160 **Tessengerlo Kerley India Private Limited**  
A-303, Park View City - 1  
Sector - 48, Sohna Road  
Gurgaon 122 018  
Haryana
- 161 **The Andhra Pradesh State Co-operative Marketing Federation Limited**  
5-2-68, 3rd Floor  
Mahatma Gandhi Markfed Bhavan  
Jambagh, Hyderabad 500 095  
Telangana
- 162 **The Gujarat State Cooperative Marketing Federation Limited**  
N.P. Patel Sahkar Bhavan,  
49, Shrimali SO. Opposite Navrangpura Police  
Station, Navrangpura  
Ahmedabad 380 009  
Gujarat
- 163 **The Haryana State Cooperative Supply and Marketing Federation Limited**  
Hafed Complex, Sector - 5, Panchkula 134 114  
Haryana
- 164 **The Karnataka State Co-operative Marketing Federation Limited**  
No.-8, Cunningham Road  
Post Box No. 130  
Bengaluru 560 001  
Karnataka
- 165 **The Kerala State Co-operative Rubber Marketing Federation Limited**  
P.B. No.15, Gandhi Nagar, Kochi 682 020  
Kerala
- 166 **The Madhya Pradesh State Cooperative Marketing Federation Limited**  
P.O. Jehangirabad, Bhopal 462 008  
Madhya Pradesh

- 167 **The Maharashtra Agro-Industries Development Corporation Limited**  
Krushi Udyog Bhavan  
Dinkarrao Desai Marg, Aarey Colony  
Goregaon (East)  
Mumbai 400 063  
Maharashtra
- 168 **The Maharashtra State Cooperative Marketing Federation Limited**  
Kanmoor House  
P.B. No. 5080, Narsi Natha Street  
Mumbai 400 009  
Maharashtra
- 169 **The Vidarbha Cooperative Marketing Society Limited**  
Industrial Area  
Model Mill Road, Ganeshpeth  
Nagpur 440 018  
Maharashtra
- 170 **The West Bengal State Cooperative Marketing Federation Limited**  
Southend Conclave, 3rd Floor, (KMDA Building)  
Opposite Siemens, 1582, Rajdanga Main Road  
Kolkata 700 017, West Bengal
- 171 **ThyssenKrupp Industrial Solutions (India) Private Limited**  
Uhde House, Lal Bahadur Shastri Marg  
Vikhroli (W), Mumbai 400 083  
Maharashtra
- 172 **TLI Tradelink India General Trading LLP**  
Workloft, 61 DER Deutsche Parkz  
Subhash Nagar Road, Nahur West  
Mumbai 400 078  
Maharashtra
- 173 **Toyo Engineering India Private Limited**  
214, Splendor Forum, Jasola District Centre  
Near Apollo Hospital  
New Delhi - 110 044
- 174 **Tradex India Corporation Private Limited**  
C-15, Qutab Institutional Area  
New Delhi - 110 016
- 175 **Trammo India Private Limited**  
Commodities Division  
Unit No.O-503 A, 5th Floor,  
Salcon Rasvilas, D-1 District Centre Saket,  
New Delhi - 110 017
- 176 **Trans Farm (Private) Limited**  
Mahak Apartments  
1st Floor, Road # 13, Banjara Hills  
Hyderabad 500 034, Telangana
- 177 **Transworld Furtichem Private Limited**  
Office No.1802, The Affairs  
Sector - 17, Plot No. 09, Sanpada  
Navi Mumbai 400 705  
Maharashtra
- 178 **Trimex Industries Limited**  
Trimex Tower, No.1, Subbaraya Avenue  
C.P. Ramaswamy Road, Alwarpet  
Chennai 600 018  
Tamil Nadu
- 179 **Tubacex Service Solutions India Private Limited**  
402 A, Platina, G-Block  
Bandra Kurla Complex, Bandra (East)  
Mumbai 400 051  
Maharashtra
- 180 **Universal Industries**  
B-8, Industrial Estate  
Bazpur Road, Kashipur 244 713  
Uttarakhand
- 181 **Universal Speciality Chemicals Private Limited**  
'Universal House'  
A/28 Kamgar Nagar Co.Op.Hsg. Soc.  
S. G Barve , Near Nandikeshwar Mandir, Kurla East  
Mumbai 400 024, Maharashtra
- 182 **Uralkali Trading SIA**  
303, Eros Corporate Tower  
Nehru Place, New Delhi - 110 019
- 183 **Usashi Bio-Research Private Limited**  
594/1, Dakshindari Road, Bima Abasan  
Flat No. E-2/1, First Floor, Post Office Sreebhumi  
Kolkata, West Bengal - 700 048
- 184 **Vanita Agrochem (India) Private Limited**  
Gat No. 1036 and 1037,  
Takawade - Sangli Naka Road  
A/P - Takawade, Tal : Shirol  
Dist. Kolhapur 416 121  
Maharashtra
- 185 **Vardhman Fertilizers & Seeds Private Limited**  
B-1, Vidha Cooperative Society  
73/1, Erandwane, Pune 411 004  
Maharashtra
- 186 **Varun Fertilizers Private Limited**  
South Tukoganj  
Indore 452 001, Madhya Pradesh
- 187 **Vasu Chemicals LLP**  
Opposite Blossom Soc., Military Road  
Marol, Andheri (E)  
Mumbai 400 059, Maharashtra

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| <p>188 <b>VBC Fertilizers and Chemicals Limited</b><br/>2nd Floor, Progressive Towers<br/>Khairatabad<br/>Hyderabad 500 004<br/>Telangana</p> <p>189 <b>Vedanta Limited</b><br/>Unit Sterlite Copper<br/>Sipcot Industrial Complex, T.V. Puram<br/>P.O. Tuticorin 628 002<br/>Tamil Nadu</p> <p>190 <b>Wartsila India Private Limited</b><br/>21, Kesar Solitaire,<br/>Palm Beach Road, Plot No. 05, Sector 19, Sanpada<br/>Navi Mumbai 400 705<br/>Maharashtra</p> | <p>8 <b>Haldor Topsoe A/S</b><br/>Ewa Katarzyna Andersen<br/>Nymollevvej 55, DK-2800 KGS<br/>Lyngby<br/>Denmark</p> <p>9 <b>ICIS</b><br/>Quadrant House<br/>The Quadrant, Sutton<br/>Surrey, SM2 5A5<br/>United Kingdom</p> <p>10 <b>ICL Fertilizers</b><br/>Potash House P.O.B. 75<br/>Beer-Sheva, 84100<br/>Israel</p> |
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### OVERSEAS ASSOCIATE MEMBERS

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| <p>1 <b>Agrifields DMCC</b><br/>705, JBC5, Jumeirah Lake Towers<br/>PO Box 111225,<br/>Dubai<br/>UAE</p> <p>2 <b>Agripower Australia Limited</b><br/>Level 13, 20 Bridge Street<br/>Sydney NSW 2000<br/>Australia</p> <p>3 <b>Argus Media Singapore Group Pte Limited</b><br/>50 Raffles Place, #10-01<br/>Singapore Land Tower<br/>Singapore 048623</p> <p>4 <b>Aries Fertilizers Group Pte Limited</b><br/>#10-10, 6 Shenton Way<br/>DBS Building Tower Two<br/>Singapore 068809</p> <p>5 <b>Canpotex International Pte. Limited</b><br/>38, Beach Road, Phalaborwa<br/>1390, Transval, # 17-13, South Beach Tower<br/>Singapore 189767</p> <p>6 <b>CRU International Limited</b><br/>CRU, Chancery House,<br/>53-64, Chancery Lane,<br/>London WC2A 1QS 400 059<br/>Maharashtra United Kingdom</p> <p>7 <b>Foskor Limited</b><br/>P.O. Box 1<br/>Phalaborwa 1390, Transval<br/>Republic of<br/>South Africa</p> | <p>11 <b>Indo Jordan Chemicals Co. Limited</b><br/>P.O. Box 17028<br/>Amman 11195, Al Rabia<br/>Al Rabia, Hashemite<br/>Kingdom of Jordan</p> <p>12 <b>Jaingsu New Century Jiangan Environmental Protection Co. Ltd.</b><br/>29, Suyuan Avenue, Jiangning District<br/>Nanjing 211100<br/>P.R. China</p> <p>13 <b>Jordan Phosphate Mines Co. S.A.</b><br/>P.O. Box No.30<br/>Amman, Jordan</p> <p>14 <b>JSC NIIK</b><br/>Russia, Nizhny Novgorod region<br/>Griboedov Street, 31, 606008<br/>Dzerzhinok 606008<br/>Russia</p> <p>15 <b>Kingenta Ecological Engineering Group Company Limited</b><br/>No. 19 of Xing Da West Street Linshu<br/>Shandong Province<br/>China</p> <p>16 <b>Kisan International Trading FZE</b><br/>Emaar Business Park # 2<br/>Office EMO 562, Jebel Ali, P.O. Box 261835<br/>Dubai<br/>UAE</p> <p>17 <b>Koch Fertilizer Asia Private Limited</b><br/>260 Orchard Road<br/># 11, The Heeren, Singapore 238855</p> <p>18 <b>Ma'aden Phosphates Company</b><br/>P.O. Box 11110, Al-Jubail-31961<br/>Kingdom of Saudi Arabia</p> |
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| <p>19 <b>OCP S.A.</b><br/>Direction Commerciale<br/>Angle Route d E1 Jadida et Boulevard<br/>Dela Grande, Ceinture, Casablanca<br/>Morocco</p> <p>20 <b>Oman India Fertiliser Company S.A.O.C.</b><br/>P.O. Box No. 67, PC-411<br/>Sur, Sultanate of Oman</p> <p>21 <b>Qatar Fertiliser Co. (SAQ)</b><br/>P.O. Box 50001<br/>Umm Said-Qatar<br/>Arabian Gulf</p> <p>22 <b>Quantum Fertilisers Limited</b><br/>2302A, Great Eagle Centre<br/>23, Harbour Road<br/>Wanchai, Hong Kong</p> <p>23 <b>Ruwais Fertilisers Industries (FERTIL)</b><br/>Takreer Tower, ADNOC Group of Companies<br/>Complex, Shaikh Khalifa Energy Complex)<br/>Corniche Road, P.O. Box 2288<br/>Abu Dhabi, UAE</p> | <p>24 <b>Saudi Arabian Mining Company “Ma’aden”</b><br/>P.O. Box 68861<br/>Riyadh 11537<br/>Kingdom of Saudi Arabia</p> <p>25 <b>Stamicarbon B.V.</b><br/>Mercator 3, 6135 KW Sittard<br/>P.O. Box 53<br/>6160, AB Geleen<br/>The Netherlands</p> <p>26 <b>The Arab Potash Company Limited</b><br/>P.O. Box 1470<br/>Amman 11118<br/>Jordan</p> <p>27 <b>Tuv Austria</b><br/>603B, Sama Tower<br/>Sheikh Zayed Road<br/>Dubai<br/>U.A.E.</p> <p>28 <b>UreaKnowHow.com</b><br/>Cannerweg 123<br/>6213 BA Maastricht<br/>The Netherlands</p> |
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**The following have been enrolled as members of FAI w.e.f. 1.4.2019.**

### Associate Members

1. M/s. ACME Cleantech Solutions Private Limited, Gurugram
2. M/s. Agro Phos India Limited, Indore
3. M/s. AgriMin Control International Private Limited, Mumbai
4. M/s. Compagnie Indo-Francaise De Commerce Private Limited, New Delhi
5. M/s. Farmfields Private Limited, Hyderabad
6. M/s. H-Energy Gas Marketing Private Limited, Mumbai
7. M/s. Knack Packaging Private Limited, Ahmedabad
8. M/s. Mahafeed Speciality Fertilizers (India) Private Limited, Pune
9. M/s. N G Fertilizers and Chemicals Private Limited, Krishna, A.P.
10. M/s. Patel Phoschem Limited, Udaipur
11. M/s. Prabhat Fertilizer & Chemicals Works, Karnal
12. M/s. Ramagundam Fertilizers and Chemicals Limited, New Delhi
13. M/s. Richfield Fertilisers Private Limited, Nashik
14. M/s. Saigal Seatrade Private Limited, Mumbai
15. M/s. Shiv Sulphuric Solutions (OPC) Private Limited, Thane
16. M/s. TLI Tradelink India General Trading LLP, Mumbai
17. M/s. Trans Farm (Private) Limited, Hyderabad
18. M/s. Vanita Agrochem (India) Private Limited, Dist. Kolhapur

### Overseas Associate Members

1. M/s. Argus Media Singapore Group Pte Ltd., Singapore
2. M/s. Jaingsu New Century Jiangan Environmental Protection Co. Ltd., China
3. M/s. Kingenta Ecological Engineering Group Company Limited, China
4. M/s. Tuv Austria, UAE

**The following have been ceased to be members of FAI w.e.f. 1.4.2019.**

**Active Members**

1. M/s. Kothari Industrial Corporation Limited, Chennai
2. M/s. Krishna Industrial Corporation Limited, Chennai

**Associate Members**

2. M/s. Agrocel Industries Limited, Kutch, Gujarat
2. M/s. Anya Polytech & Fertilizers Private Limited, Noida, U.P
3. M/s. Bharat Agro Molecule Limited, Meerut
4. M/s. CFI Technologies Private Limited, Kolkata
5. M/s. Heavy Water Board, Mumbai
6. M/s. K.C. Sharma & Co., Kutch, Gujarat
7. M/s. Morgan Industries Limited, Chennai
8. M/s. Orex Minerals Limited, Haldia
9. M/s. Sunland Projects Private Limited, Kolkata
10. M/s. Swal Corporation, Mumbai
11. M/s. Therapeutics Chemical Research Corporation, Mumbai
12. M/s. Vimal Organics Limited, Ghaziabad, U.P.

**Overseas Associate Members**

1. M/s. Cnampgc Holding Limited Corporation, China
2. M/s. Kalyaan Resources DMCC, Dubai, UAE
3. M/s. Saf Sulphur Factory, Kingdom of Saudi Arabia

**The following have been enrolled to be members of FAI w.e.f. 1.4.2020.**

**Associate Members**

1. M/s. Pushpa J. Shah, Dist. Bharuch
2. M/s. Criyagen Agri and Biotech Private Limited, Bangalore Rural
3. M/s. Prathista Industries Limited, Secunderabad
4. M/s. Mahamaya Enterprise, Kolkata





## APPENDIX X

### Form No.MGT-9

#### Extract of Annual Return as on the Financial Year ended on 31.03.2020

##### (a) Extract of Annual Return

##### I. Registration and other details:

i)	CIN	:	U85300DL 1955NPL002999
ii)	Registration Date	:	27.05.1955
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 and contact details	:	FAI House 10, Shaheed Jit Singh Marg New Delhi-110067 Tele: 011-26567144
vii)	Whether listed company	:	No
viii)	Name, Address and contact details of Registrar and Transfer agent, if any	:	N.A.

II.	Principal Business Activities of the Company	:	To unite all firms, companies, Corporations, Associations and individuals engaged in the Fertiliser Industry in India with a view to Promoting the consideration and Discussion of all questions affecting the trade of Fertilisers and the interest of sound agriculture and for the improvement of the economic development of the Fertiliser and Agricultural Industries, etc.
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III.	Particulars of Holding, Subsidiary and Associate companies	:	NIL
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IV.	Share Holding Pattern (Equity Share capital Breakup as percentage of Total Equity)	:	N.A
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V.	Indebtedness	:	NIL
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##### VI. Remuneration of Director General\*

		<b>Rs.</b>
i)	Salary	45,45,578
ii)	Perquisites	19,99,349
iii)	Others	25,35,973
	Total	90,80,900

VII.	Penalties/Punishment/Compounding of Offences	:	NIL
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##### b) Number of meetings of the Board

Four meetings of the Board were held during the year, as per the details below:

	<b>Meeting Sl. No.</b>	<b>Date of Meeting</b>
1.	392 <sup>nd</sup>	7 <sup>th</sup> May, 2019
2.	393 <sup>rd</sup>	7 <sup>th</sup> August, 2019
3.	394 <sup>th</sup>	25 <sup>th</sup> September, 2019
4.	395 <sup>th</sup>	2 <sup>nd</sup> December, 2019

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.



## 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 2020 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 2020, 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 Commissioner of Income Tax (Appeal) for financial year 2014-2015 (under the Income Tax Act, 1961). If the litigation is 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 2020 taken on record by the Board of Directors, none of the directors is disqualified as on 31 March 2020 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: 20086742AAAACD1864**

**Place:** Delhi  
**Date:** 28/08/2020

**THE FERTILISER ASSOCIATION OF INDIA**  
**BALANCE SHEET**  
As on 31 March 2020

(Amount in INR)

As at March 31, 2019		Liabilities		As at March 31, 2020		Assets		As at March 31, 2020	
		<b>Reserves and Surplus</b>					<b>Fixed Assets (Net Block)</b>		
1,967,164		General Reserve	1,967,164				(As Per Schedule 'A')		
							Gross cost	60,341,979	
		Income and Expenditure Account			30,858,043		Less: Depreciation	28,114,494	
211,578,143		As per previous year's Balance Sheet	232,206,929				<b>Earmarked Accounts</b>		32,227,485
20,628,786		Add: Excess of income over expenditure as	12,936,800	247,110,893			(Per contra)		
		<b>Earmarked Accounts</b>					<b>The Sulphur Institute (TSI) Awards</b>		
		(Invested per contra)					(As per Schedule 'D(i)')	510,563	
		<b>The Sulphur Institute (TSI) Awards</b>					<b>International Plant Nutrition Institute of Canada (IPNI) Awards</b>		
494,485		(As per Schedule 'B(i)')	510,563		200,753		(As per Schedule 'D(ii)')	207,644	
		<b>International Plant Nutrition Institute of Canada (IPNI) Awards</b>					<b>National Fertilizers Limited (NFL) Awards</b>		
		(funds received from International Plant Nutrition Institute of Canada - India Programme represented by IPNI India and Bangladesh Program, Gurugram)					(As per Schedule 'D(iii)')	639,446	
200,753		(As per Schedule 'B (ii)')	207,644				<b>Golden Jubilee Endowment (GJEF) Fund</b>		
		<b>National Fertilizers Limited (NFL) Awards</b>			5,194,664		(As per Schedule 'D(iv)')	5,459,268	6,816,921
		(funds received from National Fertilizers Limited, New Delhi)					<b>Current Assets, Loans and Advances</b>		



## THE FERTILISER ASSOCIATION OF INDIA BALANCE SHEET As on 31 March 2020

As at March 31, 2019	Liabilities	As at March 31, 2020	As at March 31, 2019	Assets	As at March 31, 2020
				(iv) Loans and Advances	
				(Unsecured and considered good)	
			12,073,682	Advances recoverable in cash or in kind or for value to be received	11,878,622
			23,917,734	Income-tax deducted at source	25,094,105
			8,395,541	Interest accrued on deposits	15,395,229
<b>305,875,558</b>	<b>Total</b>	<b>327,448,424</b>	<b>305,875,558</b>	<b>Total</b>	<b>327,448,424</b>

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: 20086742AAAACD1864

Place: New Delhi  
Date: 28/08/2020

## THE FERTILISER ASSOCIATION OF INDIA

### INCOME AND EXPENDITURE ACCOUNT for year ended on 31 March 2020

Previous Year	Expenditure	Current Year	Previous Year	Income	Current Year
37,670,397	Salaries and wages	42,329,119		Entrance fee from members	
3,379,292	Contributions to provident fund	3,975,504	3,500	Active	-
4,179,451	Contributions to superannuation and other funds	4,699,530	5,500	Associate	7,500
1,681,429	Contribution to gratuity fund	3,848,426		Membership fees from members	
4,341,661	Contribution to leave encashment assurance scheme	2,164,211	24,530,250	Active	24,942,000
2,803,032	Staff welfare expenses	3,055,172	3,560,000	Associate	3,580,000
4,984,816	Cost of publications (excluding overheads)	5,077,412	3,147,532	Overseas associate	3,374,477
922,207	Workshops, seminars, meetings etc.	638,678	273,500	Technical and professional associate	260,000
13,501,229	Annual Seminar Expenses	17,394,501	1,499,945	Website - subscription	1,439,310
1,759,668	Rates and taxes	1,988,556		Rent (gross)	
1,668,122	Electricity and water (net of recoveries)	1,718,199	13,307,618	(Tax deducted at source INR 1479272/-) Previous year INR 1330762/-)	33,595,787
134,152	Insurance	126,004	4,337,800	Advertisement revenue	14,843,436
1,592,095	Printing and stationary expenses Postage, Telephone and fax etc.	1,477,466		{Tax deducted at source INR 52670 (Previous year INR 52794/-)}	4,859,546
207,895	Journals and periodicals	237,600	2,475,349	Sale of association's publications	2,018,111
3,954,975	Travelling and conveyance expenses	3,724,352		Training courses for technical / marketing personnel, Industry agronomist etc.	
	Repairs and maintenance expenses			(per schedule 'E')	
533,789	- Building	80,264.00		Training fee received	10,569,472
87,510	- Plant and machinery	233,725.00	4,443,126	Less: Training Programmed expenses (excluding overheads)	6,495,696
484,771	- Others	668,105.60	42,269,335	Annual Seminar Receipts	43,611,614
410,225	- Security charges (Building)	443,401.00	1,425,496	Interest received from Deposits with banks and companies etc. (Gross)	15,183,375
	Awards	-		Less: Transferred to:	
	Less: Transferred to	-		TSI Award	16,078

## THE FERTILISER ASSOCIATION OF INDIA

### INCOME AND EXPENDITURE ACCOUNT for year ended on 31 March 2020

Previous Year	Expenditure	Current Year	Previous Year	Income	Current Year
	IPNI Award	-		IPNI Award	6,891
-	TSI Award	-		NFL Award	31,401
-	APP Award	-		GJE Fund	264,604
	NFL Award	-	13,767,537	<b>Subtotal</b>	14,864,401
	GJE Fund	-	132,038	Loans to staff	137,381
	<b>Subtotal</b>	-	172,684	Income Tax Refund	344,724
838,915	Bad debts written off	297,959	70,225	Provision for Doubtful Debts written back	
378,024	Provision for Doubtful debt	-	1,215,830	Miscellaneous receipts	468,853
2,940,982	Depreciation	2,936,064	20,763	Gain on sale of fixed	-
1,764,415	Professional & Consultancy Charges	3,387,649			
110,000	Audit fee (Previous Year: net of adjustment of input tax credit on audit fees of prior year)	140,000			
-	Loss on sale of fixed assets	3,094			
519,271	Exchange fluctuations	622,253			
3,755,423	Miscellaneous expenses	4,621,084			
20,628,786	Balance being excess of income over expenditure for the year (carried to balance sheet)	12,936,800			
<b>115,232,532</b>		<b>118,825,129</b>	<b>115,232,532</b>		<b>118,825,129</b>

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: 20086742AAAACD1864  
Place: New Delhi  
Date: 28/08/2020

**Schedule “A”**

**Fixed Assets as on 31 March 2020**

(Amount in INR)

Particulars	GROSS BLOCK			DEPRECIATION			NET BLOCK	
	As at 1.4.2019	Additions during the year	Deductions during the year	As at 31.3.2020	For the year	Deductions during the year	As at 31.3.2020	As at 31.3.2019
Leasehold Land-	144,904	-	-	144,904	-	-	144,904	144,904
Buildings	31,734,455	3,953,945	-	35,688,400	670,921	-	27,119,399	23,836,376
Airconditioning plant and diesel generator set	5,514,783	-	-	5,514,783	298,230	-	2,360,643	2,658,873
Furniture & Fittings etc.	7,761,801	-	-	7,761,801	772,471	-	1,158,726	1,931,197
Office Equipment, air conditioners etc.	2,817,936	9,190	43,383	2,783,743	151,703	43,383	336,458	478,970
Vehicle	4,475,198	152,007	55,000	4,572,205	487,266	43,512	834,593	1,181,340
Computers	3,674,292	201,852	-	3,876,143	555,473	-	272,762	626,383
<b>Total</b>	56,123,369	4,316,994	98,383	60,341,979	2,936,064	86,895	32,227,485	30,858,043
<b>Previous Year</b>	<b>54,316,590</b>	<b>2,149,111</b>	<b>342,332</b>	<b>56,123,368</b>	<b>2,940,982</b>	<b>338,581</b>	<b>25,265,324</b>	<b>30,858,043</b>

**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	Amount
470,294	Balance as per last year's Balance Sheet	494,485
24,191	Add: Interest received / accrued on deposits during the year	16,078
494,485	<b>Sub total</b>	510,563
-	Less: Awards	-
<b>494,485</b>	<b>Balance</b>	<b>510,563</b>

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

(Amount in INR)

Previous Year	Particulars	Amount
387,768	Balance as per last year's Balance Sheet	200,753
12,985	Add: Interest received / accrued on deposits during the year	6,891
400,753	<b>Sub total</b>	207,644
200,000	Less: Awards	-
<b>200,753</b>	<b>Balance</b>	<b>207,644</b>

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

(Amount in INR)

Previous Year	Particulars	Amount
577,235	Balance as per last year's Balance Sheet	608,045
30,810	Add: Interest received / accrued on deposits during the year	31,401
608,045	<b>Sub total</b>	639,446
-	Less: Awards	-
<b>608,045</b>	<b>Balance</b>	<b>639,446</b>

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

(Amount in INR)

Previous Year	Particulars	Amount
4,936,218	Balance as per last year's Balance Sheet	5,194,664
-	Funds transferred from FAI during year	-
258,446	Add: Interest received / accrued on deposits during the year	264,604
5,194,664	<b>Sub total</b>	5,459,268
-	Less: Awards	-
<b>5,194,664</b>	<b>Balance</b>	<b>5,459,268</b>

## Schedule "C": Agriculture Promotional Project (AAP) as on 31<sup>st</sup> March 2020

(Amount in INR)

Previous year	Particulars	Current year
42,738,646	Balance as per last year's Balance Sheet	41,468,646
	<b>Add:</b>	
	Funds received during the year	-
<b>42,738,646</b>	<b>Total (A)</b>	<b>41,468,646</b>
	<b><u>Less: Expenditure incurred on the project</u></b>	
	Awards	-
200,000	National Conference on Ornamental Horticulture to Rural Economy	-
	National Conference on Potassium Management in Indian Agriculture	
720,000	Honorarium	720,000
	Miscellaneous Expenses	8,610
350,000	Project on doubling the income of Farmers	150,000
<b>1,270,000</b>	<b>Total (B)</b>	<b>878,610</b>
<b>41,468,646</b>	<b>Balance (A-B)</b>	<b>40,590,036</b>

**EARMARKED ACCOUNTS**

**Schedule "D(i)" Application of funds received from The Sulphur Institute (TSI) for Awards as on 31 March 2020**

(Amount in INR)

Previous Year	Particulars	Current Year
473,944	Bank Balance with a scheduled bank in saving bank account	490,022
-	Deposit with scheduled bank	-
20,541	TDS recoverable	20,541
<b>494,485</b>	<b>Total</b>	<b>510,563</b>

**Schedule "D(ii)": Application of funds received from the International Plant Nutrition Institute (IPNI) for Awards as at 31 March 2020**

(Amount in INR)

Previous Year	Particulars	Current Year
198,613	Balance with a scheduled bank in saving bank account	205,504
-	Deposit with scheduled bank	-
-	Interest accrued on deposits	-
2,140	T.D.S. recoverable	2,140
<b>200,753</b>	<b>Total</b>	<b>207,644</b>

**Schedule "D(iii)": Application of funds received from the National Fertilizers Limited (NFL) for Awards as at 31 March 2020**

(Amount in INR)

Previous Year	Particulars	Current Year
235,383	Balance with a scheduled bank in savings bank account	266,904
368,000	Deposit with scheduled bank	368,000
3,841	Interest accrued on deposits	3,721
821	T.D.S. recoverable	821
<b>608,045</b>	<b>Total</b>	<b>639,446</b>

**Schedule "D(iv)": Application of funds received from the Golden Jubilee Endowment Fund as at 31 March 2020**

(Amount in INR)

Previous Year	Particulars	Current Year
2,506,594	Balance with a scheduled bank in savings bank account	2,692,544
2,616,897	Deposit with scheduled bank	2,618,274
44,260	Interest accrued on deposits	121,537
26,913	T.D.S. recoverable	26,913
<b>5,194,664</b>	<b>Total</b>	<b>5,459,268</b>

**Schedule “E”: Receipts and Expenses against the Training courses for Technical, Marketing Personnel Industry etc. held during the year ended on 31 March 2020**

(Amount in INR)

Previous year	Particulars	Current Year
11,078,012	Training Fees Received (A)	10,569,472
	<b>Less: Expenses Incurred</b>	
4,380,012	Boarding & Lodging	3,903,511
349,908	Travel & conveyance Expenses	359,160
112,300	Honorarium	84,250
19,300	Photographs	18,415
1,773,366	Miscellaneous Expenses	2,130,360
<b>6,634,886</b>	<b>Total (B)</b>	<b>6,495,696</b>
<b>4,443,126</b>	<b>Net Receipt [(A)-(B)]</b>	<b>4,073,776</b>

**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.

**iv) 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 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 expenditure incurred under the Project are credited/ debited directly to the Project.

		(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.	9,160,722	8,300,104
11	Managerial remuneration of the Director General under section 197 of the Companies Act 2013 does not include incremental liabilities for gratuity and leave encashment, if any.	9,080,900	8,175,969
12	Auditors' remuneration (excluding Goods & Service Tax)		
	Statutory Audit Fee	110,000	110,000
	GST Audit Fee (2017-2018)	30,000	-
	Management Services	53,000	122,500
13	Expenditure in foreign currency on account of:		
	a) Subscription to foreign journals and books	97,720	82,944
	b) Membership of foreign organizations	14,703	13,096
	c) Foreign Travel	1,209,639	1,570,128
14	Earnings in foreign exchange (cash basis) for sale of publications, advertising, membership fees etc.	34,603,232	30,898,214

- 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 second floor and Ground 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 2020 are as under:

(Amount in INR)			
Description of the asset	Gross carrying amount	Depreciation for the year	Accumulated depreciation
Building	5,550,846	91,607	1,772,165

## 20 Litigation in favor of the Association

### (a) Litigations cleared at the level of the Apex Court

- ◆ 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.
- ◆ 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 (Appeal), vide his Order dated 19 July 2016 confirmed the action of the Assessing Officer with regard to denial of exemption under sections 11 and 12 of the Income Tax Act, 1961. The Association filed an appeal against the Order of Commissioner of Income Tax (Appeal) 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.
- ◆ The Honorable High Court, Delhi, vide its Order dated 13 November 2017, dismissed the above appeals of the Commissioner of Income Tax (Exemptions).
- ◆ The Commissioner of Income Tax (Exemptions) has filed Special Leave Petitions in the Honorable Supreme Court on 13 October 2018. The Honorable Supreme Court vide its Orders dated 02 December 2019 and 14 January 2020 respectively dismissed the above appeals due to low tax effect.

### (b) Litigations cleared at the level of the ITAT

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) of the Income Tax Act, 1961 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). The Honorable ITAT vide its Order dated 28 August 2019 dismissed the above appeal against the order of the Deputy Commissioner of Income Tax (Appeal).

## 21 Contingent Liabilities

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) of the Income Tax Act, 1961 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 has been heard and the Commissioner of Income Tax (Appeal) has reserved the decision.

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: 20086742AAAACD1864

Place: New Delhi

Date: 28/08/2020

## 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)
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#### NORTH

Harinder Kaushik	Officer
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#### SOUTH

S.Venkatesan	Senior Statistical Officer
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#### WEST

Shilpa K.Chirke	Officer
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# FAI ANNUAL SEMINAR 2019

## NEW APPROACH TO FERTILIZER SECTOR

DECEMBER 2 - 4, 2019 | HOTEL ANDAZ DELHI, AEROCITY, NEW DELHI

# New Approach to Agriculture Sector

Food security has been the national priority since Independence to rapidly growing population. Agriculture intensification driven by Green Revolution in the mid-1960s through adoption of fertilizer-responsive high yielding varieties (HYVs), farm mechanization and use of agrochemicals including fertilizers backed by favourable policy environment transformed India from the country living on 'ship to mouth' to the problem of 'handling food surplus' within five decades. The food grain production increased by 3 times in last 50 years and outpaced the growth of population which went up by 2.6 times during this period. Production of oilseed crops, commercial crops like sugarcane and cotton and fruit and vegetable crops witnessed even more impressive growth. Horticulture production reached a record level of 315 million metric tonnes (MMT) in 2018-19.

**ROLE OF AGRI-INPUTS**  
Three agri-inputs namely, seed, fertilizer, irrigation water, have played a leading role in country's remarkable growth in agriculture production. Expansion in net irrigated area from 26.3 million hectares (Mha) in 1965-66 to 67.4 Mha in 2015-16 (latest figures available) provided the sound base for the adoption of high yield intensive agriculture by farmers. Introduction of fertilizer-responsive HYVs of rice and wheat in mid 1960s laid the foundation for success of Green Revolution. Government of India developed and implemented policies congenial to ensure the timely and adequate availability of fertilizers at affordable prices to the farmers. The country witnessed sharp increase in fertilizer production and consumption. India is currently the 2<sup>nd</sup> largest producer (N+P2O5) and consumer (N+P2O5+K2O) of fertilizers in the world. The increased fertilizer consumption led to corresponding increase in food grain production (Fig. 1).

Increase in crop production imparted sustainability to country's food security with mineral fertilizers accounting for about 50% increase in food grain production. Thus, nearly 650 million people would have starved of hunger if fertilizers were not used. Fertilizers will continue to play a major role in future also to meet the food demand of burgeoning population. Food grain requirement will be 400 MMT in 2050 against the present production of 285 MMT. To achieve the target of food grain production of 400 MMT, plant nutrient application has to reach 60 MMT. This will be made available from 45 MMT through fertilizers and 15 MMT through organic and biological sources. Present level of application is 34 MMT nutrients with breakup of 27 MMT from fertilizers and 7 MMT through organic and biological sources.

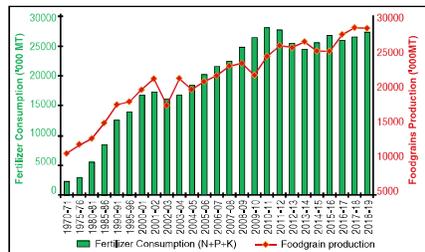


Figure 1. Relationship between fertilizer use and food grain production

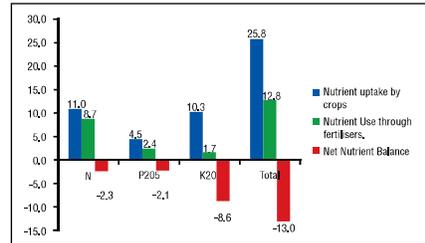


Figure 2. Crop nutrient uptake (NPK), nutrient use through fertilizers and net nutrient gap in MMT (2015-16)

Source: Tewatia A.C. (2017) Indian Journal of Fertilizers 13(4), pp 20-29.



**K.S. RAJU**  
Chairman  
The Fertilizer Association of India  
New Delhi

### EMERGING ISSUES IN INDIAN AGRICULTURE

While Green Revolution technologies turned India from food importer to food exporter, misuse of inputs and deviant farm practices have led to emergence of second generation problems. These are accelerated appearance of multi-nutrient deficiencies, declining nutrient response ratios and partial factor productivity of production systems, increased greenhouse gases (mainly nitrous oxide), rise in water tables leading to secondary salinization and waterlogging in canal command areas, falling water tables in tube well irrigated areas, deterioration of groundwater quality and the list goes on.

### Soil Health Degradation

Practising the high yielding intensive agriculture has put extreme pressure on soil health which is reflected in terms of continuous depletion of soil fertility. Although, the annual fertilizer (NPK) consumption increased from 0.78 MMT in 1965-66 to 28.12 MMT in 2010-11, the problem of nutrient mining in Indian soils continued to persist due to corresponding disproportionately larger increase in

nutrient removal by crops. Problem of nutrient mining has aggravated after 2010-11 due to selective implementation of nutrient based subsidy (NBS) scheme only for phosphatic and potassic (P&K) fertilizers. According to FAI estimates, there was a net negative balance of 13 MMT of NPK between their uptake by crops and supply through fertilizers in 2015-16 (Fig. 2).

### Multi-nutrient Deficiencies

In addition to primary nutrients (NPK), deficiencies of secondary and micronutrients have become widespread in Indian soils due under intensive agriculture. Deficiencies of at least six nutrients (N 89%, P 80%, K 50%, S 40%, Zn 36%, B 23%) are widespread in the Indian soils. Inadequate, imbalanced and inefficient use of mineral fertilizers with lack of use of organic sources of plant nutrients has given rise to multi-nutrient deficiencies. Fertilizer use efficiency is relatively low. Use efficiency of nitrogen is 30-40%, phosphorus 15-20% and potash 60-70%. Low nutrient use efficiency not only affects crop yields but also affects environment due to escape of unused nutrients.

### Declining Crop Response

Crop response to fertilizers has been declining continuously. The average crop response to fertilizer application (kg grain/kg NPK) decreased from 12.1:1 during 1960s to 9.1:1 during 1980s and it is 5:1 in the current decade (Fig. 3). With the decrease in crop response to fertilizers, the profitability of the farmers is going down year after year.

### Inefficient Water Management

Indian subcontinent is known for using flood irrigation - most inefficient method of irrigation. Cheaper and easier availability of water for irrigation made the farmers of north-western India shift to rice cultivation in kharif by replacing traditional maize and coarse cereals. In agriculture sector, the water management related challenges are low water use efficiency, water-energy nexus, growing water-intensive crops in water-deficient areas, poor quality waters characterized by the excessive toxic elements and salts, and poor rainwater management. Secondary salinization and waterlogging in canal command areas and rapidly falling water tables in the tube well irrigated areas have been observed.

### Decreasing Farmers Income

Low and declining farmers' incomes have emerged as a serious threat to the sustainability of agriculture. The declining farmers' income is largely on account of low average crop productivity and poor price realization. Government of India announces minimum support price (MSP) for crops. However, farmers are forced to sell their produce at much lower prices due to the exploitation by the middle men, called Aathies. According to one survey, 40% of farmers would quit farming if given the option. Increasing number of farmer suicides clearly indicates that agriculture is not remunerative anymore.

### ALTERNATIVE FARMING SYSTEMS

General perception that farm produce raised through high input of agro-chemicals including fertilizers and pesticides is of inferior quality detrimental to human health made the farmers go in for the alternative regenerative farming systems. These rely mainly on the on-farm generated organic/biological nutrient sources, unprocessed mineral sources, crop rotations, bio-inoculants for nutrient recycling etc., for sustenance of soil health. Prominent systems which have attracted attention in India include organic farming, biodynamic farming and zero budget natural farming of Subhash Palekar. However, there is no country having more

than 1 to 2% area under organic farming.

### NEXT PHASE OF INDIAN AGRICULTURE

India is an agrarian country with a whopping population of 1.37 billion. The country will surpass China as the world's most populous country by 2027. Population of India is projected at 1.7 billion by 2050. Making the huge population nutritionally secure with change in food habits mounts a formidable challenge. Agrarian crisis including fragmentation of land holdings,

promote the more efficient use of nitrogen. However, it has not helped much because pricing is the overriding factor. The prevailing fertilizer pricing policy under which there is a huge gap in urea vis-a-vis P&K prices and it continues to widen has distorted the NPK use ratio.

Government of India is spending a whopping sum of Rs 80,000 crore on fertilizer subsidy annually but it is not serving the desired objectives. It is time to re-visit the present fertilizer pricing and

doubling of farmers' income by 2022, has identified seven sources of income growth namely, improvement in crop productivity; improvement in livestock productivity; resource use efficiency or savings in the cost of production; increase in the cropping intensity; diversification towards high value crops; improvement in real prices received by farmers; and shift from farm to non-farm occupations. For livelihood security of the country's millions of the farmers and especially small and marginal ones, it has



degradation of resource quality, climate-change induced adverse impact, large scale migration of agriculturists to non-farming sectors for better life have further complicated the task. Current status of agriculture needs critical evaluation and remedial measures in several areas.

### Sustenance of Soil Health

Organic carbon content of Indian soils is very poor and improving it should be the research priority. Effective steps are needed to augment the organic nutrient sources following the routes of composting the agricultural, urban and industrial wastes, and returning the crop residues to the soil. Central and State Governments should work in tandem to provide support / financial assistance to improve the availability and use of organic sources of plant nutrients. For soil health enhancement, Government should link composting to Swachh Bharat mission and provide it free of cost to the farmers @ 1 MT/ha. Reduction of up to 25% in the use of chemical fertilizers, a target articulated by the Hon'ble Prime Minister in his Independence Day address, can be achieved only by doubling the nutrient use efficiency.

### Correction in Fertilizer Policy

Recently, a number of initiatives such as shift from urea to 100% neem coated urea, reducing the weight of urea bag from 50 kg to 45 kg and providing soil health cards to all farmers of the country have been taken to reduce urea consumption and

subsidy scheme. Fertilizer policy should ensure balanced pricing of N, P, K and micronutrients. Simple solution is to bring urea also under NBS scheme and transfer the subsidy directly into the farmers' accounts rather than routing through the fertilizer industry. Fertilizer industry, if offloaded from the responsibility of routing the subsidy can concentrate more on bringing novel and cost-effective fertilizer product range.

### Efficient Water Management

Sustenance of water resource for future generations requires multi-pronged strategies. Education of the society at large on the necessity of judicious use of water, 'har khet ko pani' and 'more crop per drop' is the first step. Focus should be on agriculture sector with management technologies which have potential of making water savings ranging from 10% to 60%. Savings on water and nutrients under drip-fertigation range from 20% to 60% and 20-30%, respectively. There is a considerable saving on chemical fertilizers due to enhanced fertilizer use efficiency. Adoption and development of cropping/farming systems should be guided by the potential water availability. Finally, regulatory mechanisms should be put in place in each state for the sustainable development and utilization of groundwater resources.

### Enhancing Farmers' Income

The Inter-Ministerial Committee, constituted to examine issues relating to

become almost essential to shift to the approach of integrated farming system (IFS) for their livelihood. The IFS models developed by IIFSR, Modipuram integrate the latest production technologies of farming and livestock/aquaculture development and management.

### Market Reforms

Market reforms are needed to ensure the remunerative prices to the farmers for their produce. A step towards bringing reforms in Agricultural Produce Market Committees (APMC) was taken by the Union Government in July, 2015 through creation of National Agricultural Market (NAM). Since the APMCs are a state subject, operation of NAM faces innumerable difficulties. Unless NAM becomes successful, farmers shall keep facing exploitation. Farmers should be assured of realizing minimum 50 to 60% of consumers' price in case of perishable commodities and 70 to 80% for the other produce.

### CONCLUSION

Indian agriculture is passing through a phase where sustainability of soil health and crop yields have come into question. The dependence on fertilizers will continue to increase in the foreseeable future to meet the increasing nutrient demands for higher food production. However, there is a scope for substituting 10 to 25% of nutrient demands through organics and bio-fertilizers i.e. through Integrated Nutrient Management. Fertilizer policies need immediate course correction to promote use of nutrients from inorganic, organic and biological sources. Industry freed from controls and task of reaching subsidy to the farmers by implementing DBT in true sense, will encourage innovation in products and services. This will bring in an era of much higher crop productivity, protection of soil health and environment. Farmers should also be able to realize remunerative prices for their produce through efficient marketing system. Finally, alternative farming systems are likely to play but scientific validation of new technologies / farming systems is a must before their recommendation to the farmers.

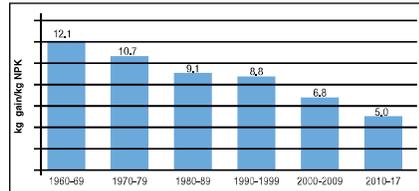


Figure 3. Trends in response to NPK (kg grain / kg NPK)  
Source: Katyal J.C. (2019) Indian Journal of Fertilizers 15(12), pp 1384-1401



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