



# **66<sup>th</sup>**

# **ANNUAL REPORT 2020-21**

**THE FERTILISER ASSOCIATION OF INDIA**

## FAI-IPI Webinar Water Soluble Fertilizers in India – Status and Way Forward





## 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

## CONTENTS

Board of Directors	2
Principal Officers of FAI	6
Notice of Annual General Meeting	7
Explanatory Statement	10
Directors' Report	11
<i>List of Appendices</i>	
I Memoranda/Representations Submitted to Government	41
II FAI Representation on National and International Bodies	52
III FAI Participation in Conferences, Seminars, Workshops and Meetings	53
IV Training Programmes/ Orientation Courses held during 2020-21	57
V FAI Awards for 2020	63
VI FAI Publications	71
VII FAI Advisory/Regional Committee Meetings 2020-21	73
VIII Advisory Committees	74
IX FAI Members (as on 31.03.2021)	84
X Form No. MGT-9	98
Independent Auditor's Report	100
Balance Sheet	102
Senior Staff of FAI	115

## BOARD OF DIRECTORS



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



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



**A. Vellyan**  
Emeritus Director, FAI  
Chairman Coromandel  
International Ltd.



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



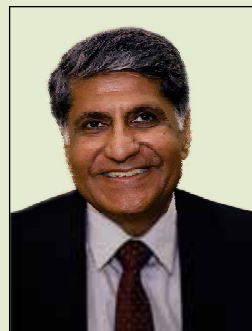
**Rakesh Kapur**  
Jt. MD, IFFCO



**Arvind Agarwal**  
upto 06.12.2020



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



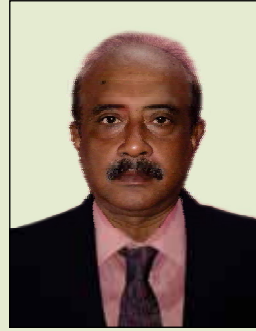
**Rajan Chowdhry**  
MD, KRIBHCO



**Virendra Nath Datt**  
CMD, NFL



**Alok Gaur**  
COO, KFCL



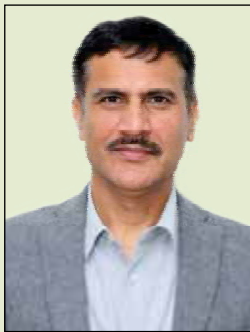
**Ashim Kumar Ghosh**  
CMD, BVFCL



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



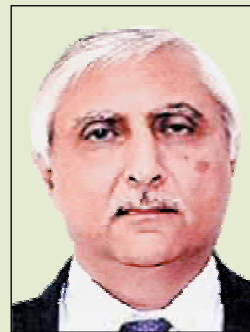
**Ashvini Hiran**  
MD & CEO, Indorama India Pvt. Ltd.



**Pankaj Joshi**  
MD, GNFC



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



**Anil Kapoor**  
upto 29.05.2021



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



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



**N. Suresh Krishnan**  
MD, PPL



**Gaurav Mathur**  
MD, CFCL  
w.e.f. 29.05.2021



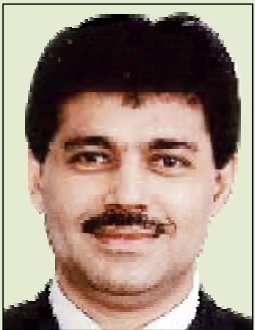
**Praveen Kumar Maheshwari**  
upto 29.05.2021



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



**S.C. Mudgerikar**  
CMD, RCF



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



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



**Rohit Pathak**  
CEO, Hindalco Industries Ltd.  
w.e.f. 29.05.2021



**Akshay Poddar**  
Director, ZAFL



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



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



**K. Prabhakar Rao**  
WTD, MCFL



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



**Kishor Rungta**  
CMD, FACT



**U. Saravanan**  
CMD, MFL



**S.P. Yadav**  
ED (Agri Business), GSFC  
w.e.f. 29.05.2021



**Satish Chander**  
DG, FAI

# PRINCIPAL OFFICERS OF FAI



**S. Nand**  
Deputy Director General



**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)



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



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



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



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



## NOTICE OF ANNUAL GENERAL MEETING

### THE FERTILISER ASSOCIATION OF INDIA (Company Limited by Guarantee)

Licensed Under Section 26 of the 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@faidelihi.org](mailto:secy@faidelihi.org), website: [www.faidelihi.org](http://www.faidelihi.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, 13.04.2020, 31.12.2020, 13.1.2021 and considering the current situation of pandemic, the Company is intending to conduct the 66<sup>th</sup> Annual General Meeting (AGM) of the Members of The Fertiliser Association of India (FAI) on Monday, the **20<sup>th</sup> September, 2021 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, 2021 and Income and Expenditure Account for the financial year ended on the 31<sup>st</sup> March, 2021 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) Dr. P.S. Gahlaut (DIN 00049401) representative of M/s Indian Potash Limited (IPL) to represent the interests of potassic fertilisers.
- (ii) Mr. K.K.Kaul (DIN 00980318) representative of M/s DCM Shriram Fertilizers Limited to represent the interests of nitrogenous and complex fertiliser manufacturers.
- (iii) Mr. Akshay Poddar, (DIN: 00008686) representative of M/s Zuari Agro Chemicals Limited (ZACL) to represent the interests of nitrogenous and complex fertiliser manufacturers.
- (iv) Mr. Ashvini Hiran, (DIN:07484872) representative of M/s Indorama India Pvt. Limited to represent the interests of nitrogenous and complex fertiliser manufacturers.
- (v) Mr. Manish Nagpal (DIN 03169160) representative of M/s Greenstar Fertilizers Limited to represent the interests of nitrogenous and complex fertiliser manufacturers.

- (vi) Mr. U. Saravanan, (DIN: 07274628) representative of M/s Madras Fertilizers Limited (MFL) to represent the interests of nitrogenous and complex fertiliser manufacturers.
- (vii) Mr. Shailesh Khaitan (DIN 00041247) representative of M/s Khaitan Chemicals & Fertilizers Limited (KCFL) to represent the interests of super-phosphate manufacturers.
- (viii) Mr. Challa Narasimha Reddy, (DIN: 02466228) representative of M/s Jubilant Agri and Consumer Products Limited (JACPL) to represent the interests of super-phosphate manufacturers.
- (ix) Mr. Sundeep Kumar Nayak, (DIN: 02140600) representative of M/s National Cooperative Development Corporation (NCDC) to represent the interests of Associate Members.
- (x) Mr. D.S. Sudhakar Ramaiah, (DIN: 07636872) representative of M/s Projects and Development India Limited (PDIL) to represent the interests of Associate Members.

#### SPECIAL BUSINESS

3. a) Assessment of dues for the year 1<sup>st</sup> April, 2022 to 31<sup>st</sup> March, 2023 as follows:

Sl. No.	Member Category	Proposed dues
(i)	Associate Members	INR 20,000/-*
(ii)	Overseas Associate Members	US \$ 2000/-*
(iii)	Technical & Professional 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, 2022 to 31<sup>st</sup> March, 2023.

By the order of Board of Directors

New Delhi  
1<sup>st</sup> September 2021

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 items 3(a) & 3(b) 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”), 08.04.2020, 31.12.2020, 13.1.2021 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 problems in the 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. 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, on ([secy@faidelhi.org](mailto:secy@faidelhi.org)) or (01146005204) for registering their e- mail ids.
  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 in advance mentioning their name email id, mobile number at e-mail id [secy@faidelhi.org](mailto:secy@faidelhi.org) The same will be replied by the company suitably.
  9. Relevant documents referred to in this Notice are available for inspection electronically without any fee by the Members on all business days (except Saturday, Sunday and Public Holidays) upto the date of AGM. The Register of Directors, under Section 170 of the Act will be available for inspection electronically by the members during the AGM. Members seeking to inspect such documents may send request from their email id registered with the Company to the Company at [secy@faidelhi.org](mailto:secy@faidelhi.org)
  10. Since the AGM will be held through VC/OAVM, the route map is not annexed with the Notice.
  11. 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 member for vote on the particular business.
  12. 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 and to be present at the Meeting of the Association.
- PROCEDURE FOR JOINING THE AGM THROUGH VC i.e CISCO 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=m12123306e13fa6a77ec6add60917b751> 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).

## The Fertiliser Association of India

### Budget for the year 1<sup>st</sup> April, 2022 to 31<sup>st</sup> March, 2023

(Rupees in lakhs)		(Rupees in lakhs)	
<b>A</b>	<b>INCOME</b>	<b>B</b>	<b>EXPENDITURE</b>
	<b>ANNUAL FEES</b>	(a)	Personnel
	Active members		1. Director General
	Associate members (National )		2. Central Office
	Overseas Associate members		3. Eastern Region
	Technical & Professional Associate Members		4. Southern Region
	Website Receipts		5. Western Region
			6. Northern Region
	<b>ENTRANCE FEE</b>		<b>TOTAL</b>
	Active Members		<b>781.48</b>
	Associate Members	(b)	<b>OTHER EXPENSES</b>
	<b>MISCELLANEOUS INCOME</b>	1	Administrative
1	Income from Advertisement Sale & Subscription to		i) Central
	Journals & Books		ii) Regional
	a) Central	2	Publications
	b) Regional		i) Central
2	Surplus of Training Courses (Excluding Overhead Costs)		ii) Regional
3	Interest on Deposit & Staff Advance	3	Liability for DDA & MCD Taxes etc.
4	Income from Annual Seminar		<b>TOTAL</b>
5	Property Income		<b>274.70</b>
6	Miscellaneous Receipts		<b>GRANT TOTAL ( a +b )</b>
	<b>TOTAL</b>		<b>1056.18</b>
	<b>955.36</b>		<b>Income - Expenditure (A - B) = - 100.82</b>
		<b>C</b>	<b>CAPITAL EXPENDITURE BUDGET</b>
			i) Central
			ii) Regional
			<b>TOTAL</b>
			<b>6.00</b>

## EXPLANATORY STATEMENT

3. Assessment of dues for the year 1<sup>st</sup> April, 2022 to 31<sup>st</sup> March, 2023 as follows:

**(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 2022-23 have

been approved by the Board on 24<sup>th</sup> August, 2021 and the same are given in the AGM Notice.

**(b)** The Budget for the year 2022-23 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 24<sup>th</sup> August, 2021.

• • • • •

## DIRECTORS' REPORT

### Executive Summary

The Board of Directors has pleasure in presenting 66<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, 2021.

The year witnessed an unprecedented worldwide public health crisis due to COVID-19. Economic, social and cultural activities were disturbed due to lockdown or partial restrictions imposed by the central, state or local administrations to prevent the spread of virus and minimize its impact.

In spite of challenges due to COVID-19 pandemic, activities in agriculture and fertilizer sectors were least affected. This was possible due to exemption of these sectors from lockdown restrictions and help extended by central and state governments. Even Railways ensured availability of rakes and facilitated unloading at rake points. Railways also waived the demurrage and wharfage charges during the lockdown period. Industry on its part ensured continuous production and dispatch of fertilizers with all the safe practices even at extra cost.

Timely arrival of Southwest monsoon and overall good rainfall facilitated higher coverage under *kharif* and *rabi* crops during the year. The growth in fertilizer consumption was mainly due to exceedingly good monsoon, comfortable availability of water in the reservoirs, increase in area under cultivation and adequate availability of fertilizers from opening inventory, indigenous production and imports. It resulted in higher agricultural production during the year. As per the 3<sup>rd</sup> advanced estimates, food grain production touched a record level of 305 million tonnes in 2020-21. Production of oilseeds and sugarcane also increased during the year.

Situation arising out of COVID-19 required continuous engagement with governments both at the centre and state levels. FAI provided effective interface between industry and government to bring about necessary modifications in policy and procedures for ensuring uninterrupted production, movement and sale of fertilizers throughout the country. In addition to facilitating uninterrupted production, movement and sale of fertilizers, government also released funds for payment of subsidy inspite of restriction announced by the Finance Ministry under its Cash Management Programme. As a result of these measures, fertilizer was the only sector among eight core industries registering

positive growth while remaining 7 sectors recorded negative growth in 2020-21.

FAI continuously impressed upon the government, the need for additional allocation of funds. In an unprecedented move, government announced additional allocation of Rs. 65,000 crore under Atmanirbhar Bharat 3.0. This helped to clear past subsidy arrears of the fertilizer industry. Indian fertilizer industry was able to come out of the perennial liquidity crunch. The dues pending since 2014 pertaining to increase in fixed cost as per Modified NPS-III policy approved on March 30, 2020, were also paid during 2020-21 for urea production up to Reassessed Capacity (RAC).

A number of important issues including payments of Modified NPS-III, payment of subsidy arrears of Rs. 40,000 crore were resolved during the year. There are several policy related issues which remained unresolved. FAI continued the follow up these issues.

The issue of Minimum Fixed Cost was taken up strongly by FAI through presentations, representations and deliberations in the meetings. A DOF constituted Committee is looking into the issue. Similarly, FAI kept regularly following up other issues of urea sector like non-payment of increased fixed cost for urea production beyond RAC as per Modified NPS-III, need for index based revision in fixed cost beyond what has been approved under Modified NPS-III policy and energy norms including incentive for coal using units.

In spite of approval of increased fixed cost as per Modified NPS-III policy, domestic industry continued to suffer from negative return from urea business. This was primarily due to under-recovery of fixed cost and undue delay in payment of subsidy. More than 50% operating urea units were running under losses and the remaining units were operating on wafer thin margins. As per industry data, PAT as percentage of net worth (including the provisions of Modified NPS-III Policy) work out to be negative in 4 out of 6 years upto 2019-20. During the remaining two years also, PAT of the urea industry was only between 1 to 2% of Networth. This is against the benchmark of 12% post tax return on net worth in the original pricing and subsidy policy. While payment situation improved in 2020-21 due to additional budget allocation, subsidy budget of Rs. 79,529.68 crore for the year 2021-22 is much lower than requirement for the year.

For the P & K sector, FAI continued to pursue the need for exemption from customs duty on raw materials like phosphoric acid, ammonia, rock phosphate, sulphur and

sulphuric acid. Similarly, the issue of blockage of large amounts of funds under GST laws due to inverted duty structure and non-refund of GST on input services, GST on ocean freight on reverse charge basis, etc. were taken up and regularly pursued with the concerned government authorities. FAI has been continuously pointing out that P&K industry is performing below capacity due to unfair competition from imports. High transaction cost and unfavourable taxation regime are affecting the viability of the industry. The need for modification in formula for reasonableness to exclude GST on fertilizers from the realization is also pending with DOF. A Committee of the DOF is looking into the issue and favourable decision is expected soon.

The need for reforms in Indian fertilizer policies like implementation of NBS policy for urea and implementation of DBT in true sense where subsidy can be paid directly to the bank accounts of farmers, were also under discussion during the year. Notably, Department of Fertilizers, Ministry of Chemicals and Fertilizers, GOI, constituted five high level Working Groups headed by Union Ministers/MOS of concerned Ministries to deliberate on challenges facing the fertilizer sector and to prepare knowledge report for five years' roadmap. FAI was represented in all five Groups and provided inputs through oral and written submissions.

There has been consensus amongst the Working Groups on implementation of Nutrient Based Subsidy (NBS) scheme for urea and gradually shifting to a system of DBT where subsidy is transferred directly to the bank accounts of farmers.

Members are aware of the court cases being pursued by FAI on behalf its members. At present, there are four such court cases being pursued in Delhi High Court *viz.*, (i) reimbursement of remaining 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. There has not been any progress in these cases during 2020-21 due to repeated relisting of the cases on account of COVID-19 pandemic.

FAI continued to engage with the regulators in the areas of environment, energy and natural gas transportation. FAI represented to the Ministry of Environment and Central Pollution Control Board regarding compliance with Plastic Waste Management Rules 2016 with the help of information gathered through FAI sponsored study. FAI represented to the *Bureau of Energy Efficiency (BEE) and Department of Fertilizers that fertilizer plants should be exempted from next PAT cycle. BEE has not taken any decision in this regard but the next PAT cycle has not been initiated in*

*2021-22 for fertilizer sector. FAI also represented to the Petroleum and Natural Gas Regulatory Board (PNGRB) that any change in gas transportation regime should not affect the existing customers adversely. FAI provided the detailed calculation regarding impact of proposed tariff regime by the PNGRB on the fertilizer plants. In spite of representations from FAI and others, PNGRB notified the new tariff regime but it has not been implemented. Share of domestic gas for the 2020-21 was reduced to 23.7% from 30.4% in 2019-20 of the requirement of urea industry. FAI represented to the DOF to nominate GAIL/ GSPC to bid on behalf of fertilizer industry for domestic gas available from deep sea water.*

FAI carried out downtime analysis of ammonia and urea plants for the period 2017-2020 highlighting sections/ area which caused forced shutdown in many plants. Individual fertilizer plants were provided feedback about their performance vis-à-vis the average and best of the industry. A status paper was published in March issue of Indian Journal of Fertilisers. A study was carried out for operation, inspection and maintenance of Ammonia Storage Tanks in the country. The study brought out the practices being followed by various fertilizer plants and problems faced, in particular, the atmospheric storage tank. A status paper was published in May issue of Indian Journal of Fertilisers.

FAI participated in all the eight meetings of Central Fertilizer Committee (CFC) held during 2020-21, and provided its inputs. Some of the important items discussed in CFC meetings included; inclusion of new fertilizers and new schedules in Fertiliser (Control) Order (FCO); amendments in specifications, tolerance limits, and method(s) of analysis of fertilizers; defining fake and sub-standard fertilizer; review of bio-fertilizers and organic fertilizers; and the constitution of fertilizer development and regulatory authority.

With the continuous efforts of FAI, a record number of products were brought under FCO during the year. These included: two straight potassium fertilizers; four fortified fertilizers; eight liquid fertilizers; two 100% water soluble complex fertilizers; and two beneficial element fertilizers. In addition, bio-stimulants and nano fertilizer were brought under FCO as Schedule VI and Schedule VII, respectively.

At the instance of FAI and Fertilizer Industry, a number of amendments were made in the FCO. These included: re-processing of fertilizer damaged during storage; relaxation in tolerance limit of particle size; reduction in the weight of sample of WSFs; accreditation of the state fertilizer testing laboratories; and reduction in the time limit of sample analysis.

FAI continued to participate in the meetings of various

committees of Bureau of Indian Standards (BIS) and provided its input on the development of Indian Standards; Standardization Portal in BIS; and Standardization Cell.

FAI continues to reward excellence in various functional areas *viz.*, fertilizer-related production, environment, safety, nutrient management, etc. The achievements of individuals and organizations are recognized by way of conferment of various awards and honours. Two new awards namely, 'U.S. Awasthi IFFCO awards' were instituted by IFFCO in 2016-17 for the life-time contribution one each in the field of agriculture research and development, and fertilizer industry. These awards for the year 2019-20 were given to two eminent personalities. Mr. Luc M. Maene, Ex-Director General, International Fertilizer Association (IFA) won this prestigious Award for life time contribution for the development of fertilizer industry. Prof. Panjab Singh, Ex-Director General, ICAR was conferred this award for his life-time contribution in development of agriculture research and development.

FAI Annual Seminar was held in hybrid form in New Delhi during 7-9 December, 2020. The inaugural session was held in physical form with limited gathering and technical sessions were conducted on virtual platform. The theme of Seminar was 'Fertilizer and Agriculture during COVID-19'. Hon'ble Minister of Chemicals & Fertilizers could not grace the inaugural session as scheduled due to health issues. But, he sent a message for the Seminar. Hon'ble Minister of State for Chemical & Fertilizers and Minister of State (independent Charge) for Ports, Shipping and Waterways inaugurated the Seminar. Secretary, Department of Fertilizers, senior officials of the DOF and Ministry of Agriculture and Farmers Welfare also participated in the inaugural session. A number of highly acclaimed papers were presented in the areas of fertilizer pricing and subsidy policy, agriculture, production technologies and marketing and logistics.

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 an authentic source of information by the readers. A number of steps were initiated by FAI to improve the content and quality of papers/ articles published in the Indian Journal of Fertilisers (IJF). These included the setting up of external Editorial Board, peer-reviewing of articles, adhering to the international standards for stylization of the text, tables, figures, references etc. With these measures, the rating of National Academy of Agricultural Sciences for IJF has improved from 2.81 to 4.76 *w.e.f.* 1<sup>st</sup> January, 2021.

FAI has been providing wealth of information to its members and other stakeholders 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, fertilizer policy developments (highlights), reports, abstract service, daily news bulletin and blogs.

In view of the COVID-19 pandemic, FAI strengthened its IT infrastructure to hold meetings, Seminars and other interaction with the government and members.

The financial year 2020-21 posed a great challenge in the beginning of the financial year due to prevailing COVID 19 conditions, in generating sufficient income to augment the expenditure of the Association. There were challenges in organizing seminars, training programmes etc. in the physical form. Many Associate Members defaulted in payment of their membership subscription for the year which posed further problem. In beginning of the year, it was estimated that there would be a loss of Rs. 118.43 lakh during the year. In spite of problems due to prevailing situation, FAI organized its Annual Seminar in hybrid form and other training programmes in virtual manner. These activities generated reasonable income during the year. This has resulted in net income of Rs.44.25 lakh during the year. It is worthwhile to mention here that FAI has made sustained efforts to manage its budget without any increase in membership dues for last 9-years for active members and 11 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 gradually from Rs. 6.38 crore in the year 2008-09 to Rs 25.15 crore in the year 2020-21. 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.

FAI 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. However, FAI is pursuing for refund of income tax deducted at source for these years along with other pending refunds and advance tax paid.

Apart from Provident Fund Scheme, FAI provides other various retirement benefit schemes like Superannuation Scheme, Group Gratuity Scheme, Leave Encashment Scheme 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 in 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 the major developments during 2020-21 are presented in the report.

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

In spite of challenges due to COVID-19 pandemic, the year 2020-21 ended with a robust growth in fertilizer consumption supported by exceedingly good monsoon over the two consecutive years with comfortable availability of water in the reservoirs, increase in area under cultivation and adequate availability of fertilizers from indigenous production and imports. Details are discussed in the following paragraphs.

#### 1.1 Normal Southwest Monsoon

1.1.1 Southwest monsoon 2020 arrived in Kerala on time, i.e., 1<sup>st</sup> June, 2020. Overall rainfall from 1<sup>st</sup> June to 30<sup>th</sup> September, 2020 was 109% of long period average (LPA). Actual rainfall was 957.6 mm as against normal rains of 880.6 mm. On month to month basis, rainfall during June was 18% above LPA. It was 10% below LPA during July and touched a record level of 27% above LPA in August 2020. During September, it was 4% above LPA.

1.1.2 Out of 36 meteorological sub-divisions, 31 sub-divisions received normal to excess rains and remaining 5 sub-divisions received deficient rains during the period. Out of 685 reported districts, 75% districts received normal to excess rains during the period.

1.1.3 Timely onset, delayed withdrawal and even

distribution across different regions were the key features of this year's monsoon. The Southwest monsoon 2020 started withdrawing from some part of west Rajasthan and Punjab from September 28, against its normal date of 17<sup>th</sup> September. It gradually started withdrawing from other parts of the country. The Southwest monsoon 2020 withdrew from the entire country on 28<sup>th</sup> October, 2020. Late rains considered beneficial for the maturing *kharif* crops such as rice in several areas and supported the *rabi* sowing due to enhanced soil moisture levels. However, standing major *kharif* crops like pulses, oilseeds and cotton in Madhya Pradesh, Maharashtra and Gujarat were affected due to delayed withdrawal of monsoon.

1.1.4. Water storage position in major reservoirs was comfortable in 2020. Live storage capacity in 123 reservoirs in the country was 171.09 BCM. Live storage available in these reservoirs was 148.25 BCM as on 1<sup>st</sup> October, 2020 as against 151.07 BCM on the same date in the previous year. Live storage during the period was 98% of the last year and 114% of the normal storage.

1.1.5 Timely arrival of Southwest monsoon and overall good rainfall facilitated higher coverage under *kharif* crops. Upto 25<sup>th</sup> September, 2020, total sown area under all *kharif* crops was 111.7 million hectares (million ha), (+4.8%) compared to 106.6 million ha during the corresponding period in the previous year. Area sown under major crops showed increase during the season. As per the 2<sup>nd</sup> advance estimates for *rabi* crops, area coverage during *rabi* 2020-21 was 1.3% higher over *rabi* 2019-20. About 105 per cent of the normal area has been sown during the season. Except rice and coarse cereals, area shown under other major crops showed increase during the season.

#### 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 2020-21. Inventory of urea at various points excluding stock at the dealers' point was about 1.4 million MT at the beginning of the year 2020-21. Inventory of DAP and NP/NPKs together was about 2.5 million MT, SSP 0.66 million MT and MOP 0.48 million MT during the period.

#### 1.2.2 Mixed Growth in Production

1.2.2.1 Production of total fertilizer products at 43.49 million MT during 2020-21 showed an increase of 1.7% over 2019-20. Production of urea at 24.60 million MT, NP/NPK complex fertilizers at 9.32 million MT and SSP at 4.92 million MT during 2020-21 recorded increase of 0.6%, 7.6% and 15.8%, respectively, over 2019-20. However, production of DAP at 3.77 million MT witnessed a sharp decline of 17.1% during the same period.



1.2.2.2 In terms of nutrients, production of total nutrients ( $N+P_2O_5$ ) registered marginal decline of 0.2% during 2020-21 over the previous year. While production of N at 13.74 million MT during 2020-21 recorded a marginal increase of 0.2% over 2019-20,  $P_2O_5$  at 4.74 million MT witnessed a decline of 1.1% during the same period. Overall production of total nutrients declined due to fall in production of DAP.

1.2.2.3 Among the existing urea operating plants, one plant in Assam was shut down during major part of the year due to failure of ammonia synthesis section. Another plant in Andhra Pradesh was also under shut down due to financial stress. A few other urea plants suffered equipment problems. Some of the DAP/NP/NPK fertilizers suffered due to raw material limitations. Production could have been higher but for these bottlenecks.

### 1.2.3 High Imports

1.2.3.1 Import of all major fertilizers increased significantly during 2020-21 over the previous year. The import of urea increased by 7.7%, DAP by 0.2%, NP/NPKs by 86.3% and MOP by 15.2% during 2020-21 over 2019-20. The quantum imports of urea, DAP, NP/NPKs and MOP was 9.83 million MT, 4.88 million MT, 1.39 million MT and 4.23 million MT, respectively, during 2020-21.

### 1.3 Robust Growth in Consumption

1.3.1 The actual consumption data of fertilizers for 2020-21 are yet to be finalized by the government. In the absence of actual consumption data, DBT sale figures of 2020-21 have been used as an estimate of consumption. In spite of challenges due to COVID-19 pandemic, the year 2020-21 ended with a robust growth in fertilizer consumption supported by exceedingly good monsoon, comfortable availability of water in the reservoirs, increase in area under cultivation and adequate availability of fertilizers. Consumption of fertilizers based on DBT sale in terms of nutrients ( $N+P_2O_5+K_2O$ ) estimated at 32.54 million MT during 2020-21 recorded a robust growth of 10.8% over 2019-20.

1.3.2 The estimated consumption of N,  $P_2O_5$  and  $K_2O$  at 20.40 million MT, 8.98 million MT and 3.15 million MT during 2020-21 showed increase of 6.8%, 17.2% and 21%, respectively, over 2019-20.

1.3.3 In terms of product, All-India estimated consumption of urea at 35.04 million MT, DAP at 11.91 million MT, SSP at 4.49 million MT, NP/NPK complex fertilizers at 11.81 million MT and MOP at 3.42 million MT during 2020-21 recorded increase of 4.5%, 18.1%, 20.3%, 22.4% and 19.5%, respectively, over 2019-20. Overall growth in consumption of all fertilizer products was 11.6% during the period.

1.3.4 State-wise analysis of fertilizer consumption gives an interesting reading. Consumption of urea recorded positive growth during 2020-21 over 2019-20 in majority of the states except Assam, Odisha, West Bengal, north-eastern states, Himachal Pradesh, Punjab, Uttarakhand and Delhi. Similarly, the growth in consumption of DAP was positive during the year in most of the consuming states except some north-eastern states, Uttarakhand and Delhi. Consumption of NP/NPK fertilizers also showed a positive growth during the year in most of the consuming states except Assam, Jharkhand, Manipur, Delhi and Punjab. In case of potash, consumption of MOP marked positive growth during the year in major consuming states except Mizoram, Tripura, Delhi and Uttarakhand. Consumption of SSP was also higher during 2020-21 over 2019-20 in most states except Assam, Odisha, West Bengal, north-eastern states, Haryana, Karnataka, Madhya Pradesh and Rajasthan.

## 2.0 POLICIES RELATED TO FERTILIZER SECTOR

### 2.1 Major Issues Faced by the Industry

2.1.1 FAI continued to highlight issues faced by Indian fertilizer industry before concerned government authorities. These *inter-alia* included issues related to pricing and subsidy policies for urea and P&K fertilizers, problems related to subsidy payments & procedures, budget allocation, quality control, Fertilizer Control Order, and taxation regimes. Major part of the year 2020-21 was affected by COVID 19 pandemic. Fertilizer sector needed a number of procedural changes and relaxations to facilitate smooth operation of the sector even during the complete and partial lockdowns. This needed continuous engagement with the governments and agencies both at the Centre and state levels. FAI provided effective interface between industry and government in effecting necessary modifications in policy and procedures for ensuring uninterrupted production, movement and sale of fertilizers throughout the country. Issues of the sector were put forward to the government through meetings, interactions, presentations and written representations. Important issues are mentioned in the following paragraphs.

### 2.2 Issues of Urea Industry

#### 2.2.1 Minimum Fixed Cost

2.2.1.1 Provision of Clause pertaining to minimum fixed cost was removed from the Modified NPS-III Policy (Notified on 2<sup>nd</sup> April, 2014) while reviewing and approving rest of the policy on 30<sup>th</sup> March 2020. The issue of minimum fixed cost is impacting not only production from three major urea units, but also production beyond RAC of all urea units. This is because reimbursement of production beyond RAC is linked to minimum fixed cost

of all operating urea units under NUP 2015. This issue was immediately taken up by FAI with DOF and is being regularly followed up. FAI also made presentations before the Minister of State Chemicals & Fertilizers and other senior officials of DoF wherein the CEOs of KRIBHCO, NFL and RCF also participated and submitted their views. Necessary inputs and cost data have been submitted by the industry to DoF. It is under consideration of the DOF. The decision in this regard has been delayed due to lack of sufficient manpower with the DOF during pandemic.

### 2.2.2 Energy Consumption Norms

2.2.2.1 FAI has all along taken a view that changes in energy norms should be equitable across all urea units. It should be based on scientific studies assessing the possibility of further reduction and the cost involved in achieving such energy efficiency. Further, the government policy related to energy norms must allow recovery of investment made/needed for energy improvement projects within reasonable period for such projects to be financially viable and bankable. Indian urea plants are one of the best in the world in terms of energy efficiency. FAI also submitted that any further reduction in energy consumption norms, beyond the levels prescribed from June, 2015, required huge capital investment with very long payback period if investments were to be recovered only through energy savings. Energy savings have been mopped by 2018 norms. Hence, FAI persistently pleaded for extension of 2015 energy norms. However, in spite of elaborate deliberations and representations before DOF and the Niti Aayog by FAI and senior members of the industry, energy norms of 2018 were implemented for 11 gas based units from 1<sup>st</sup> April, 2018 and for remaining 14 gas based units from 1<sup>st</sup> October, 20120 with some penalty for the intervening period.

### 2.2.3 Incentive in Energy Consumption Norms for Coal Using Units

2.2.3.1 Incentive for coal using units in energy norms has been a part of deliberations on energy norms with DOF and Niti Aayog. FAI and representatives of major coal using companies have submitted relevant data and also made presentation before the DOF and Niti Aayog. It is under consideration of the DOF. FAI continues to pursue this issue for early decision in the matter.

### 2.2.4 Increase in Fixed Cost beyond 2008-09

2.2.4.1 Urea units have been suffering from under-recovery of fixed cost after implementation of New Pricing Scheme in 2003. Fixed cost data was not updated over the cost levels of 2002-03 allowed under New Pricing

Scheme (NPS). After long deliberations for several years, a nominal increase in fixed cost was allowed under Modified NPS-III policy notified in April, 2014 to partly cover increase in selected four elements of fixed cost up to the year 2008-09 over 2002-03. These four elements included salaries & wages, contract labour, repair & maintenance and selling expenses. Actual increase in these cost elements as per data available with DOF/FICC was much higher, but only Rs.350 per MT was approved in the policy. This increase too was paid only recently with a delay of almost 6 years after notification.

2.2.4.2 But, increase in fixed cost elements, other than the 4 selected elements, over 2002-03 and also further increase in these 4 elements over 2008-09 remain to be updated. To keep the plant running safely, continuous capital investments are made which reflect in capital related charges (CRC) part of fixed cost. The fixed cost data have been collected by the DOF a number of times up to 2017-18, which have shown significant increase in fixed cost of all urea units over what is being reimbursed. As such, the industry continues to suffer from significant under-recovery of fixed cost.

2.2.4.3 To avoid detail pricing exercise by the DOF which takes long time and is generally delayed, as has been the experience of past several years, there is a need for linking reimbursement of fixed cost with some price index for providing increase beyond 2008-09. This would allow annual increase in fixed cost over 2008-09 for the past period. Similar practice may continue for the future till urea is deregulated. This will increase ease of doing business for the industry and ease of administration of pricing policy for the government. FAI continues to pursue this issue with DOF.

### 2.2.5 Poor Profitability of Urea Sector due to Under-recovery of Costs and

#### Delayed Payments

2.2.5.1 Viability of urea industry has been badly impacted due to under-recoveries of costs under urea pricing and freight policies. More than 50% of the operating urea units are suffering losses and the urea industry as a whole is having negative return or very thin margins even after implementation of the provisions of Modified NPS III policy. As per industry data, PAT as % of net worth (including provisions of Modified NPS-III Policy as approved on 30<sup>th</sup> March, 2020) works out to (-1.85%), 1.49%, 1.63%, (-0.41%), (-1.86%) and (-3.06%) for the years 2014-15, 2015-16, 2016-17, 2017-18, 2018-19 and 2019-20, respectively. This is against the benchmark of 12% post tax return on net worth in the original pricing and subsidy policy. Such a situation is not sustainable. This is needless to say that a number of units have large negative return in spite of being efficient and facing

existential crisis. Revision in fixed cost and timely payment of subsidy will go a long way in addressing viability concerns of the industry.

## 2.2.6 GST on Natural Gas

2.2.6.1 Government is contemplating bringing natural gas under GST regime. This is likely to reduce substantially the total incidence of tax on natural gas and consequently reduce the cost of production of urea. This would also result in substantial saving of subsidy to the government. But, this will result in large amount of unutilized accumulated input tax credit (ITC) for the industry, due to higher amount of tax on full value of natural gas against 5% GST on subsidized value of urea. MRP represents only 25% of the cost of urea which is liable to GST. The cost of natural gas represents more than 70% of the cost of urea. Hence unutilized ITC is likely even if GST @ 5% is levied on natural gas, which is less likely. In case, GST on natural gas is fixed at higher rates of 12% or 18%, the blockage of funds will be much higher.

2.2.6.2 There is a need to assess current incidence of taxes like excise and VAT on natural gas supplied from various imported and domestic sources and assess the likely impact under GST regime. Government needs to be sensitized regarding implications of bringing natural gas under GST for urea pricing policy. Currently, total cost of natural gas including taxes and duties are reimbursed under urea policy, which may get impacted after bringing natural gas under GST. Hence, urea policy needs to be reviewed simultaneously to ensure continued viability of urea units, if natural gas is brought under GST.

## 2.2.7 Excess Urea Production

2.2.7.1 With setting up of all new urea plants currently under construction, a situation may arise where production over re-assessed capacity (RAC) may not be encouraged by the government. There is a need for drawing strategy to deal with such situations. Available options are that government allows urea units to sell part of production beyond RAC to P&K manufacturers or other industries or even export to neighboring countries. FAI has sought opinion on tax implications of such sales of urea from FAI consultants M/s Lakshmikumaran & Sridharan on indirect taxes. According to them, options of disposing urea production beyond RAC for nonagricultural purposes will have tax implications like higher rate of GST of up to 18% and higher rate of customs duty on import of LNG for such urea production. The issue needs further deliberations at industry level and discussion with the government for appropriate policy options.

## 3.0 POLICIES RELATED TO P&K FERTILIZERS

### 3.1 NBS Policy for 2020-21

3.1.1 Department of Fertilizers vide O.M. dated 3<sup>rd</sup> April, 2020 notified NBS rates of Rs.18.789, Rs.14.888, Rs.10.116 and Rs. 2.374 per kg for fertilizer nutrients viz., N, P<sub>2</sub>O<sub>5</sub>, K<sub>2</sub>O and S, respectively for the year 2020-21. The rates were lower for all nutrients than those for 2019-20. The Department then extended the rates of 2020-21 vide O.M. dated 9<sup>th</sup> April, 2021 till further order. Further, Department vide O.M. dated 20<sup>th</sup> May, 2021 revised the subsidy rate of P<sub>2</sub>O<sub>5</sub> from Rs. 14.888 to Rs.45.323 per kg nutrient effective from 20<sup>th</sup> May to 31<sup>st</sup> October, 2021. This was an increase of more than 200% in subsidy to insulate the farmers from skyrocketing prices of phosphatic fertilizers.

### 3.2 Issue of Reasonableness of MRP of P&K Fertilizers

3.2.1 The issue of reasonableness of MRP of P&K fertilizers continued to bother the industry. This is due to inclusion of taxes like VAT/GST in value of realization from MRP by the companies in the formulae for reasonableness, but not allowing the same as cost. This issue was taken up by FAI and pursued upto the highest level in DOF. It was requested that the formula for reasonableness should be reviewed and finalized keeping in view the principles on which the Committee on reasonableness had formulated the guidelines. It also requested to withdraw the recovery orders issued to a few companies on this account. As a result of persistent follow up, DOF has constituted a Committee to look into the issue and the matter is under active consideration.

### 3.3 Multi-disciplinary Committee on BRP

3.3.1 A four member Multi-Disciplinary Committee (MDC) was constituted on 21<sup>st</sup> August, 2019 by the DOF with the mandate to visit the existing private beneficiated rock phosphate (BRP) plants for conducting techno-commercial, environmental study, to analyze and give a report regarding feasibility of production of good quality BRP for manufacturing SSP. The MDC decided on the relevant parameters, check points and methodology to conduct the study in its meetings on 3<sup>rd</sup> and 26<sup>th</sup> September, 2019. The Committee collected information from the BRP companies. 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. The Committee submitted the report in November, 2020. Subsequently, clarifications were provided by the MDC a number of times to the DOF and BRP manufacturers. The DOF has to take follow up action on the recommendations of the Committee.

### 3.4 FAI Ethics Committee

3.4.1 Quality of SSP remains a concern for government and FAI. Secretary, Department of Agriculture, Cooperation & Farmers Welfare (DAC&FW) took a meeting of Board of Directors of FAI on the issue of quality of fertilizers sold to the farmers. Representatives of the SSP manufacturers also participated in the meeting. Secretary expressed serious concern regarding quality of SSP. Chairman and DG, FAI assured him that the Association had zero tolerance in the matter of quality of fertilizers. Secretary mentioned that the government wants to work with the industry to ensure quality of fertilizers according to FCO specifications. It was decided in the meeting that an FAI Ethics Committee be constituted to persuade its members to self-regulate on quality of fertilizers and other issues. Subsequent to the meeting, an Ethics Committee was constituted by FAI on 16<sup>th</sup> September, 2020 under the Chairmanship of Chairman, FAI. CMDs/MDs of Indian Potash Ltd., Rashtriya Chemicals & Fertilizers Ltd., Coromandel International Ltd., Khaitan Chemicals & Fertilizers Ltd., Rama Phosphates Ltd. and DG, FAI were the members of the committee.

3.4.2 The terms of reference of the Ethics Committee are as follows:

- (i) To advise the members to comply strictly with the competition law.
- (ii) To advise the members to ensure the quality of products is as per FCO specifications.
- (iii) To advise members to maintain high standards of business/professional ethics in conduct of their activities related to production, promotion and sale of fertilizers.
- (iv) To recommend to the Board of FAI suitable action for repeat violators.

3.4.3 The first meeting of the Ethics Committee was held on 22<sup>nd</sup> September, 2020. In the meeting, it was decided that FAI should convene a meeting of SSP members to discuss the issue of quality of SSP. Accordingly the members of Ethics Committee under the Chairmanship of Mr. K.S. Raju, Chairman, FAI met the SSP members of FAI on 28<sup>th</sup> September, 2020 on virtual platform. The issue of inferior quality of SSP sold in the market was deliberated at length in the meeting. One of the decisions of the Ethics Committee was that all SSP members of FAI should sign an undertaking to the effect that they would adopt ethical business practices and ensure that SSP despatched from their premises meets the quality standards as specified in FCO. The SSP members unanimously agreed to give the undertaking. Further, DG, FAI vide letter dated 29<sup>th</sup> September, 2020

apprised the Secretary, DAC&FW about the action taken by FAI in this regard and assured that FAI will continue to work with the Government to ensure supply of quality SSP to the farmers.

3.4.4 There are 87 SSP manufacturers out of which 45 are FAI members. With continuous follow up, FAI has received the Undertaking from the members.

### 3.5 Testing of Egyptian Rock Phosphate

3.5.1 The samples of the Egyptian Rock Phosphate (ERP) were not collected for testing by PDIL/FEDO since beginning of March 2020 due to outbreak of COVID-19. In the meantime, the material was moved to the manufacturing plants to continue production. FAI requested the Secretary (Fertilizers) that the requirement of testing of ERP may kindly be waived for the period March to June 2020.

3.5.2 The DOF vide letter dated 27<sup>th</sup> April, 2020 deferred the random sample testing of ERP by PDIL and FEDO upto 15<sup>th</sup> June, 2020. However, it was also mentioned that SSP units would keep adequate minimum stocks of the imported ERP at the ports or plants in case they have already transported from ports before issuance of this order so that after easing of restriction on travel, random sampling may be done at ports/plants by PDIL/FEDO. The time limit was extended by the Department upto 15<sup>th</sup> September, 2020.

### 4.0 OTHER POLICY RELATED ISSUES

#### 4.1 Freight for Primary and Secondary Road Transportation

4.1.1 FAI continued to take up the issues related to reimbursement of freight. The DOF cleared the payment of differential freight for urea from 2008-09 to 2016-17 for most of the companies. However, a number of other issues remained unresolved. FAI vide letter dated 27<sup>th</sup> July, 2020 requested the Secretary (Fertilizers) again for his intervention for early decisions in respect of the following:

- (i) Payment of differential freight for P&K fertilizers from 2008-09 onwards. The claims for the same were returned stating that leads were not as per DOF notification dated 21<sup>st</sup> May, 2012. The revised applicable leads yet to be updated in iFMS for re-generation of claims.
- (ii) Notification of revision in primary and secondary road freight for 2017-18, 2018-19 and 2019-20 for urea.
- (iii) Revision in slab-wise primary road freight rates from 2013-14 onwards for P&K fertilizers in line with increase in railway freight.
- (iv) Revision in rates of special compensation for movement of P&K fertilizers in difficult areas from

2012 onwards as per recommendations of Tariff Commission.

4.1.2 The matter related to point (i) was more or less resolved. However, other issues still remain to be addressed. FAI is pursuing the same.

### **4.2 Reimbursement of Under-charge Recovery of Rail Freight**

4.2.1 Railway Board vide Rates Circular No. 27 of 2016 dated 20<sup>th</sup> October, 2016 notified Freight Incentive Scheme for loading of bagged consignment for urea in open wagons. As per the scheme, there was 30% discount on NTR of applicable class subject to minimum chargeable freight after all concessions should not be less than the NTR of class LR-1.

4.2.2 The change in class rate made effective from 1<sup>st</sup> November, 2018 vide Rates Circular of 2018 was not updated in Freight Operations Information System (FOIS) by the Railways. The 30% discount on NTR of applicable class was passed on to fertilizer companies in railway freight RRs ignoring the clause of minimum chargeable freight after all concessions of NTR of class LR-1. Aforesaid anomaly was noticed by Railways and corrections were done on 30<sup>th</sup> May, 2020 in FOIS retrospectively. Railways raised the debit note for the loss due to this oversight for the period from November 2018 to February 2020 and issued the demand note to the fertilizer companies, which availed the facility, for payment of under-charge recovery of rail freight during the period.

4.2.3 DG, FAI vide letter dated 28<sup>th</sup> July, 2020 requested the Secretary (Fertilizers) for his intervention in the matter for reimbursement of the additional recovery raised by the Railways from November 2018 to February 2020 as per the Uniform Freight Policy. The issue was resolved.

### **4.3 Updation of Primary Lead Distances in iFMS**

4.3.1 The DOF was in the process of updating information on primary lead distances in the iFMS. In this regard, Department requested the Directors of Agriculture of all the states to provide detailed information on the applicable primary lead distances from plants/ports to various districts of their respective states. The validity dates of certain leads had already expired in the iFMS. Fertilizer companies were not able to generate freight claims in those cases where the validity dates of one or more leads had expired. FAI vide mail dated 27<sup>th</sup> May, 2020 addressed to Secretary (Fertilizers) requested for his intervention in the matter to extend the validity dates of leads which have already expired or were about to expire till the time of completion of updation process in the iFMS to ensure uninterrupted generation of freight subsidy claims in the system.

### **4.4 Comprehensive Review of Primary and Secondary Lead Distances from Plants/Ports to Districts.**

4.4.1 The DOF constituted a Committee on 24<sup>th</sup> July, 2020 to examine the issues related to primary and secondary lead distances. The terms of reference of the Committee included to establish the principle of determining lead distances for both primary and secondary movement, examination of existing primary and secondary leads, decision on extension of validity for expired lead distances and validation of the existing process of updation of lead distances.

4.4.2 The Committee had two meetings and submitted its recommendations. Vide OM dated 1<sup>st</sup> January, 2021, the DOF notified the standard operating procedure for updation of primary and secondary lead distances. The lead fertilizer suppliers (LFS) were advised to coordinate with the State Governments for timely updating of primary and secondary lead distances. The State Government to update the lead distances every year during first week of April but not later than 7<sup>th</sup> April of every financial year.

4.4.3 The fertilizer companies were generating on-line freight claims for 2020-21. However, some new destinations/districts for primary movement of fertilizers from plants/ports were not captured in iFMS freight master. The companies fed the lead distances in freight master of iFMS for such new destinations/districts, which were approved by respective Directors of Agriculture of the States. However, the same was not approved by the DOF. Therefore, the companies/units were unable to generate the on-line freight claims. FAI requested the Secretary (Fertilizers) for his intervention to allow the process of approval of such new lead distances manually till the system goes live so that companies can generate their respective freight claim timely.

### **4.5 Online Generation and Submission of Freight Bills**

4.5.1 The DOF processes the DBT claims without creating and moving physical files. However, in case of freight settlement, the printout of generated bills shown in iFMS has to be taken and certified by the company and statutory auditors along with zero value (on account) claims for quantity certification. FAI requested the Secretary (Fertilizers) to dispense with the requirement of physical documents and companies may be allowed to submit the freight bills online as is done for DBT claims.

### **4.6 Issues Related to POS Machines**

4.6.1 Due to reluctance of the farmers for Aadhaar biometric authentication on point of sale (POS) machines,

the DOF vide letter dated 27<sup>th</sup> April, 2020 addressed to all Principal Secretaries (Agriculture) of the states/UTs informed that in view of COVID-19, the Department had worked out a solution to facilitate sale of fertilizers through POS devices without biometric authentication at retail points. Farmer could purchase fertilizers by providing Aadhaar number to retailer without biometric authentication.

4.6.2 A new software version 3.1 was released by NIC and the retailers were given time to update their POS machines with the new version by 31<sup>st</sup> January, 2021. In view of the problems of slow updating due to various reasons, FAI requested the DOF to extend the time limit of updating up to 31<sup>st</sup> March, 2021. The Department gave the extension accordingly.

#### 4.7 Limit on Purchase of Fertilizers by the Farmers

4.7.1 The DOF vide letter of 21<sup>st</sup> January, 2021 had put restrictions on quantity of fertilizers for sale to the farmers (50 bags per month per farmer) and plantation (200 bags per month per plantation). The district administrations in some states further directed the retailers to sell only 3-10 bags of fertilizers to a farmer in single transaction. Separate instructions by central and state government/district administration created confusion both for retailers and farmers. Farmers had to make multiple trips to meet their requirement in busy crop season. A request was made to the Secretary (Fertilizers) to lay down clear instructions to avoid such confusions. The issue of enhancement of no. of bags for the plantation crops was also under discussion with the DOF. The Department enhanced the limit from 200 to 1200 bags per month for plantations effective 24<sup>th</sup> March, 2021.

#### 4.8 Sale of Subsidized Fertilizers to Customized/Mixture Fertilizer Manufacturing Units

4.8.1 The DOF notified the interim procedure for sale of subsidized fertilizers to customized/mixture fertilizer manufacturing units under DBT system in 2018. Subsequently, the DOF had been extending the period of interim procedure from time to time. DG, FAI requested the Secretary (Fertilizers) to extend the interim procedure before the validity of 22<sup>nd</sup> May, 2020. Department extended the interim procedure till 22<sup>nd</sup> November, 2020 vide letter dated 16<sup>th</sup> June, 2020. FAI vide letter dated 25<sup>th</sup> September, 2020 requested the DOF again either to notify a new policy or continue with the existing arrangement for sale of subsidized fertilizers to customized/mixture fertilizer manufacturing units. In view of order of Hon'ble High Court of Kerala in the matter, FAI again represented to the DOF on the issue. The Department vide letter dated 22<sup>nd</sup> January, 2021 extended the interim arrangement till further order. It was also mentioned that the Department

will review the policy/provision of NBS scheme for providing subsidized fertilizers to these units at the earliest.

#### 4.9 Hike in Professional Fee of PDIL/FEDO for ERP

4.9.1 The DOF vide O.M. dated 5<sup>th</sup> March, 2021 revised the professional fee of PDIL/FEDO for random sampling of Egyptian Rock Phosphate (ERP) from Rs. 50,000/- to Rs.1,10,000/- per sample/unit/test. FAI requested the DOF to review the reasonability of hike in fee. If at all, there should be a nominal increase of 10% and the fee should be on ship basis not on bill of lading of individual importer in a ship, if materials belong to more than one importer. Some additional marginal costs could be allowed, if bill of lading was for more than one importer in a ship.

#### 5.0 PRODUCTION AND MOVEMENT OF FERTILIZERS DURING LOCKDOWN

5.1 DG, FAI brought to the attention of Secretary (Fertilizers) the problems of manufacturing units in availability of labour and movement of fertilizers due to nationwide lockdown in last week of March, 2020. The Secretary very promptly wrote to the Ministry of Home Affairs (MHA) on next day i.e. 27<sup>th</sup> March, 2020 with a request for specific mention of fertilizer production and movement/transportation and sale outlets as essential services under exempted activities. He also requested MHA for suitable advisory to all States/UTs for treating the entire supply chain including production, port handling, and movement of fertilizers & raw materials through rail, road and sea and operation of godowns as essential services. Secretary (Fertilizers) wrote similar letters to the Chief Secretaries of all States. In the 2<sup>nd</sup> amendment Order in MHA guidelines issued on 27<sup>th</sup> March, 2020, MHA included manufacturing and packaging of fertilizers and shops of fertilizers under respective clauses for exempted activities. The prompt action by the DOF and MHA provided the much needed clarifications and permitted all fertilizer related activities.

5.2 FAI had also written to the DOF that problems in availability of input materials such as bags, water treatment chemicals, lubricants, etc. may disrupt production. It was requested that industries providing inputs to fertilizer plants be allowed to operate. The Secretary (Fertilizers), vide letter dated 16<sup>th</sup> April, 2020, took up the matter with MHA to permit the operation of input suppliers. This issue was resolved promptly by the government and there was no disruption in production on this account.

#### 5.3 Migration of Labour on Various Operations of Fertilizers

5.3.1 Department of Fertilizers vide Fax message

requested fertilizer companies to provide the information regarding situation arising out of permission by central government for interstate movement of labour. DG, FAI vide letter dated 11<sup>th</sup> May, 2020 informed the DOF that in addition to feedback provided by the fertilizer companies, the following may be considered:

- ◆ Fertilizer companies or logistic companies may put up request to bring back the labour at their own expense. State governments should facilitate movement of labour back to work places. This will also help in solving serious problem of unemployment due to COVID-19.
- ◆ State governments should sensitize the local administration to allow smooth movement of man and material within the state irrespective of red, orange or green zones. This will help to mobilize local labour especially at rake points.
- ◆ Railways should continue to waive the demurrage, wharfage charges, etc. till the situation normalizes.

5.3.2 FAI suggested to the Secretary (Fertilizers) to allow the companies to move the material in bulk through coastal shipping. The material would be packed at the receiving port and further transported to the destinations. This would also help to exercise the option of coastal shipping more effectively for swift movement of fertilizers.

#### 5.4 Leeway by Railways in Charging of Demurrage and Wharfage

5.4.1 Ministry of Railways waived the demurrage, wharfage charges, etc. at the loading/unloading points from 22<sup>nd</sup> March to 17<sup>th</sup> May, 2020 during first wave of COVID. FAI requested the DOF vide email dated 11<sup>th</sup> May, 2020 that Railways should continue to waive the demurrage, wharfage, charges, etc. till the situation normalizes. Railways vide circular dated 15<sup>th</sup> May, 2020 withdraw the relaxation with effect from 18<sup>th</sup> May, 2020. However, relaxation was granted in free time to twice the applicable time upto 31<sup>st</sup> May, 2020. FAI, vide letter dated 16<sup>th</sup> May, 2020 requested the Secretary (Fertilizers) for his intervention to take up the matter with the Ministry of Railways to extend the period of complete relaxation in the charges of demurrage, wharfage, etc. till the normalization of the situation and allot only BCN/BCNHL rakes to the fertilizer companies.

5.4.2 FAI argued that in spite of continuation of full or partial lockdown at various places, fertilizer companies made all efforts to maintain logistic operations even at extra costs. The penalties imposed by Railways put further cost burden on fertilizer companies, which were not recoverable for movement of urea.

5.4.3 Ministry of Railways issued a circular on 27<sup>th</sup> July, 2020 empowering the Zonal Railways to relax the guidelines in case of covered stock. It stated that in case

of covered stock (BCN, BCNHL, etc.), Zonal Railway may modify free time for loading/unloading of wagons upto maximum of double of the prescribed time and/or not levy demurrage/wharfage for a specified time period for specific terminals under their jurisdiction according to the local conditions/constraints related to pandemic COVID. Instructions were made valid upto 30<sup>th</sup> September, 2020.

#### 6.0 FAI COURT CASES

6.1 Indian fertilizer industry is one of the most regulated industries of the world. Government is giving subsidy on fertilizers to make them affordable for the farmers. Hence, production, distribution, sale and quality of fertilizers are regulated by the government. Delay in updating costs or non-recognition of genuine costs results in under-recovery for the industry. FAI keeps taking up such issues at appropriate levels on regular basis with the government. But, when all administrative redressal mechanisms got exhausted, the industry was forced to take legal recourse for redressal of some of the unresolved issues. Currently, there are four such court cases being pursued in Delhi High Court by FAI for appropriate relief on behalf of the industry. Following paragraphs provide brief description of these ongoing court cases along with latest status:

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

6.2.1 Fertilizer companies suffered huge losses in sale of bonds issued to them in lieu of payment of subsidy in cash in 2007-08 and 2008-09. Government compensated only 50% of the losses. Repeated appeals with concerned departments for years did not yield any result for compensation of the balance 50% loss. Hence, the industry was forced to approach Hon'ble Delhi High Court for reimbursement of the balance loss and buy-back of remaining bonds to avoid further loss to the fertilizer companies.

6.2.2 After written pleadings in the matter, 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. The 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. Hence, FAI filed an Application in the Hon'ble Court on 3<sup>rd</sup> May, 2019 seeking ad-interim stay on DOF's above decision. FAI has also pleaded for adjudicating the Writ Petition on its merit and quash

DOF communication dated 12<sup>th</sup> April, 2019. The DOF has filed reply to this on 7<sup>th</sup> November, 2019 with application for condonation of delay. The case was listed for 25<sup>th</sup> August, 2020. But, due to COVID-19 Pandemic, the matter was relisted few times, and now it is listed for 18<sup>th</sup> August, 2021.

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

6.3.1 FAI on behalf of industry filed a Writ petition in Hon'ble Delhi High Court in 2013 for interest on delayed payment of subsidy and freight bills. This was done after exhausting all other administrative measures with concerned departments of the government. The Hon'ble Delhi High Court directed DOF to decide the matter in terms of DOF's 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 in this respect. Hence, a second Writ Petition 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. The DOF's plea has been strongly objected to 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 along with data of outstanding subsidy shown in DOF's own publication, which depicted large amount of outstanding dues. The respondent had sought time to examine the same. The matter was listed for 22<sup>nd</sup> December, 2020 but due to COVID-19 pandemic, the case was relisted few times, and now listed for 18<sup>th</sup> August, 2021.

### 6.4 Writ Petition Relating to Reimbursement of AdRecognized Input Taxation (ACTN) (W.P. (C) 1822/2016)

6.4.1. Government of Gujarat and Uttar Pradesh levied additional VAT on feedstock for urea. These taxes being statutory levies, fertilizer companies had no option to avoid them. But, these state levies were not reimbursed under urea policy of the Central government. FAI represented and kept pursuing for reimbursement of these taxes. Finally, Central government allowed recovery of these taxes by way of increased MRP from the consumers of urea from respective states w.e.f. 1<sup>st</sup> April, 2011. But, recovery of these taxes prior to April 2011 remained unresolved in spite of repeated appeals

by the industry and FAI. Finally, the industry filed a Writ Petition in 2016 in the Hon'ble Delhi High Court for recovery of these statutory levies for the period prior to April, 2011, which is continuing

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 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 progress has been made except adjournments on various grounds. It was listed for 22<sup>nd</sup> September, 2020, but due to COVID-19 pandemic, the matter was relisted few times, and now listed for 14<sup>th</sup> September, 2021.

### 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 Accordingly, 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<sup>th</sup> November, 2015 which is pending in Delhi High Court. The DOF 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. The matter was relisted a few times due to COVID-19, and now it is listed for 25<sup>th</sup> August, 2021.

### 7.0 BUDGET ALLOCATION AND PAYMENT SITUATION

#### 7.1 FAI Pre-Budget Memorandum

7.1.1 Like every year, FAI submitted pre-budget memorandum for Union Budget 2021-22. Apart from suggestions on direct and indirect taxes and duties related to fertilizers and raw materials, the memorandum pleaded for additional allocation of funds for 2020-21 and adequate allocation for the year 2021-22.

#### 7.2 Release of Budget Overriding COVID Related Quarterly Restrictions

7.2.1 In view of large amount of unpaid subsidy dues of 2019-20 of about Rs. 48,000 crore and inadequate budget allocation of Rs. 71,309 crore for 2020-21, FAI had followed up with the DOF from the very beginning of 2020-21 for removal of monthly/quarterly restrictions in release of allocated budget to facilitate payment of past dues and the current bills. As a result of persistent efforts by FAI, the Government allocated Rs. 22,018 crore for April 2020 itself which was 31% of annual budget (BE of Rs. 71,309 crore). This was allowed by overriding quarterly restriction of (20%) on release of funds imposed by the Finance Ministry in view of COVID-19 pandemic. DG, FAI continued to follow up this issue even for subsequent months/quarters. Accordingly monthly allocation for subsequent months were also comparatively higher, as a result of which cumulative release of funds remained consistently much higher than the permitted limits of quarterly restrictions.

#### 7.3 Additional Allocation for 2020-21 under Atmanirbhar Bharat

7.3.1 FAI kept continuously emphasizing the need for additional budget allocation for 2020-21, in view of inadequacy of BE at Rs.71,309 crore only. This issue, along with need for clearing pending dues of the past years, was vigorously pursued with DOF at the highest level, Finance Ministry and with the PMO. The DOF also recommended and made efforts for additional allocation of funds for fertilizer subsidy. The Finance Minister announced additional allocation of Rs.65,000 crore for fertilizer subsidy as part of packages for Atmanirbhar Bharat 3.0. The Finance Ministry also started releasing funds out of this additional allocation from January 2021 under special arrangement (invoking Appendix 10 of General Financial Rules (GFR 2017), pending approval of the budget 2021-22 in the Parliament. With additional allocation of Rs. 65000 crore, RE for 2020-21 became

Rs.1,33,947.30 crore. This provided a great relief to the industry from perpetual liquidity problem. This is the first time in almost 10 years that most of the long pending dues were cleared by the government.

7.3.2 However, in spite of the best efforts by FAI and cooperation by DOF to utilize the entire amount of RE for 2020-21, about Rs.7,000 crore could not be released to the industry by 31<sup>st</sup> March, 2021 due to various COVID related problems faced by the DOF, including a number of staff members in FICC/DOF suffered from COVID. Accordingly, actual expenditure for 2020-21 was proportionately less than the RE of Rs.1,33,947.30 crore. Pending payments *inter-alia* included payment of increased fixed cost for urea production beyond RAC and escalation claims for 2019-20 and 2020-21.

#### 7.4 Payment of Increased Fixed Cost for Production beyond RAC as per Modified NPS-III

7.4.1 FAI had been pursuing for payment of increased fixed cost for urea production up to and also beyond RAC ever since the policy was approved on 30<sup>th</sup> March 2020. The pace of persuasion intensified after additional allocation of Rs. 65,000 crore. Dues pertaining to urea production up to RAC commenced. But, payment w.r.t. production beyond RAC remained pending. Hence, FAI again requested DOF for payment of increased fixed cost for urea production beyond RAC for the period April 2014 onwards through a letter in March, 2021. This would have enabled the utilization of available funds before 31<sup>st</sup> March, 2021. However, due to COVID related issues, these could not be processed by 31<sup>st</sup> March, 2021 and FAI continues to follow up for clearing these dues.

#### 7.5 Expediting Escalation Claims for 2019-20 and 2020-21

7.5.1 FAI had been pursuing for expediting pending annual escalation claims for 2019-20 and also quarterly payments for 2020-21 so that changes in gas cost get reflected in the concession rates. Escalation claims only for 1<sup>st</sup> quarter of 2020-21 was notified. FAI requested DOF to expedite processing of annual escalation claims for 2019-20 and quarterly escalations claims for 2<sup>nd</sup> & 3<sup>rd</sup> quarter of 2020-21. Since pool price of gas started rising and increased sharply during the 4<sup>th</sup> quarter of 2020-21, FAI also requested DOF to allow adhoc payment for increase in pool gas price for the 4<sup>th</sup> quarter of 2020-21, as quarterly escalation claims could not be processed before 31<sup>st</sup> March, 2021. These issues were again reiterated by FAI in March, 2021 to ensure that these payments could be processed before 31<sup>st</sup> March, 2021 and the available budget for 2020-21 could be utilized. However, in spite of best efforts by FAI and full cooperation by the DOF, these payments could not be processed due to lack of sufficient staff in FICC and DOF. FAI continues to make

efforts for release of the above pending payments during the current year 2021-22.

## 7.6 Budget Allocation 2020-21 and 2021-22

7.6.1 BE, RE for 2020-21 and BE for 2021-22 are given below:

Particulars	(Rs. Crore)		
	2020-21	2021-22 BE	
		BE	RE
Indigenous Urea	38,375.00	74,487.80	43,236.28
Imported Urea	12,050.00	25,049.62	19,550.00
DBT in fertilizer subsidy	10.00	10.00	11.40
Recovery	-2,630.00	-4,590.00	-4,030.00
<b>Net</b>	<b>47,805.00</b>	<b>94,957.42</b>	<b>58,767.68</b>
Indigenous P&K	14,179.00	23,901.53	12,460.00
imported P&K	9,296.00	15,015.37	8,260.00
City Compost	29.00	72.98	42.00
<b>Total P&amp;K</b>	<b>23,504.00</b>	<b>38,989.88</b>	<b>20,762.00</b>
<b>Grand Total</b>	<b>71,309.00</b>	<b>1,33,947.30</b>	<b>79,529.68</b>

Source: Budget documents 2021-22

7.6.2 Budget provision for 2021-22 is Rs. 79, 530 crore. This comprises Rs. 58,768 crore for urea and Rs. 20,762 crore for P & K fertilizers. Although, total budget allocation for 2021-22 is higher than BE of Rs. 71,309 crore for 2020-21, the allocation for P & K fertilizers for 2021-22 has been lower than BE for 2020-21 of Rs. 23,504 crore. Total budget allocation for 2021-22 is inadequate in comparison to estimated requirement. There has been increase in rates of subsidy for P & K fertilizers and there is also increase in cost of gas for domestic urea and sharp increase in international prices for imported urea. The government vide notification dated 20<sup>th</sup> May, 2021, increased the rate of subsidy on P & K fertilizers till 31<sup>st</sup> October, 2021. This enhances the subsidy requirement by an additional amount of Rs.15000 crore on P & K fertilizers. For remaining part of the year from November 2021 to March, 2022, subsidy requirement may increase further by similar amount or even more, as the international prices of fertilizers and raw materials continue to rise further. Subsidy requirement is also likely to increase due to normal growth in sales of P & K fertilizers in 2021-22 over the previous year.

7.6.3 Increase in LNG prices has resulted in sharp increase in pool price of gas for domestic urea. Pool price of gas

has increased by about Rs.190/MMBTU from average of 2020-21 at Rs. 655.47/MMBTU on NCV basis to Rs. 845.22/MMBTU for May, 2021. This translates into an increase of Rs. 4400 per tonne of urea, assuming pool price remains at May 2021 levels for the rest of the year. But, the pool price of gas continues to rise further increasing the need for higher subsidy. Thus, the requirement of subsidy will be much higher than BE for 2021-22 both for urea and P & K fertilizers.

## 7.7 Payment of Subsidy during 2021-22

7.7.1 Payment of regular monthly subsidy on urea out of monthly allocation for April 2021 remained pending in spite of funds being available due to COVID 19 pandemic which impacted availability of manpower in DOF and FICC. FAI continued to pursue with DOF for release of this payment at the earliest. This payment was released in May 2021. Payment of DBT subsidy on urea and P & K fertilizers has been paid up to 2<sup>nd</sup> week of May for domestic urea and imported P & K fertilizers by 31<sup>st</sup> May, 2021 and DBT subsidy payments on indigenous P & K fertilizers has been paid up to the 3<sup>rd</sup> week of May, 2021, which were almost up to date. But, non-DBT payments still remain pending. FAI continues to pursue with the DOF for payment of all pending dues during 2021-22.

## 8.0 TAXATION ISSUES

### 8.1 Customs Duty on Raw Materials and Intermediate Products

8.1.1 Levy of customs duty on import of raw materials and intermediate products for P & K fertilizers increases domestic cost of manufacturing vis-à-vis imports. Rate of subsidy is same for imported and domestic P & K fertilizers. FAI has been regularly pleading for the past few years for exemption from customs duty on raw materials/intermediates like phosphoric acid, ammonia, sulphur, rock phosphate, sulphuric acid, etc. These issues were also raised as part of FAI pre-Budget Memoranda for Union Budget for last few years. In spite of even recommendations of the DOF to the Finance Ministry, there has been no progress on the issue. FAI continues to follow up this issue with the Finance Ministry and DOF.

8.1.2 Other customs duty related issues include reduction of customs duty on micronutrients from 7.5% to 5% to bring it at par with other fertilizers and exemption from customs duty on urea and MOP when imported as raw materials for manufacture of other fertilizers.

8.1.3 Similarly, customs duty of 2.5% on import of liquefied natural gas (LNG) also continues to increase the cost of production of urea. The proportion of imported

LNG in total consumption by domestic urea industry has been increasing and has reached more than 75% due to dwindling supply from domestic gas sources. Exemption from customs duty on LNG used for fertilizer industry will help to reduce cost of domestic urea and hence the subsidy on urea.

## 8.2 Issues Related to GST

8.2.1 Indian fertilizer industry continues to suffer under GST regime due to delay in refund of large amounts of accumulated input tax credit arising from inverted tax structure on inputs. There are other issues like non-refund of ITC on input services, levy of IGST on ocean freight on reverse charge basis when fertilizers are imported on CIF basis. These issues have already been taken up by FAI with concerned authorities, including Finance Ministry, GST Council and the DOF. Some industries/organizations have already taken legal recourse on issues like non-refund of ITC on services and GST on ocean freight on reverse charge basis when goods are imported on CIF basis. The government decision on these issues will depend largely on final outcome of the Court cases.

8.2.2 Other GST related issues include higher rate of GST of 12% on micronutrients (as against 5% on fertilizers), which discourages use of these micronutrients. GST on transportation of fertilizers by road transport agencies and Railways, which were exempted under erstwhile service tax regime, are also increasing the cost of fertilizers which are being subsidized to keep their cost low for the farmers. These levies are increasing the blockage of unutilized ITC for fertilizer sector which already suffers from large amounts of unutilized ITC due to inverted duty structure. FAI continues to pursue these issues through various representations/presentations.

8.2.3 The issues related to proposal for bringing natural gas under GST has been covered under urea policy, as it is closely linked to urea policy where MRP is statutorily controlled and any uncovered cost needs to be reimbursed by the government under urea policy to ensure viability of domestic urea industry.

## 8.3 Issues of Direct Taxes

8.3.1 Major direct tax issues taken up by FAI in pre-budget memorandum included the following:

8.3.2 Extension of tax concessions/exemptions allowed to Indian companies to the co-operative sector.

(a) Reduced rate of income tax on dividend received from subsidiaries abroad.

(b) Exemption from capital gains on transfer of assets to wholly owned subsidiaries, and

(c) Abolition of surcharge on income tax.

8.3.3 Restoration of weighted deduction of 200% under section 35 (2AB) to promote in-house research and innovation in fertilizer sector which is badly needed to improve agricultural productivity.

8.3.4 Accelerated depreciation on investment in creation of infrastructure through energy saving projects in the fertilizer sector. This will be specifically very useful for Indian urea sector which has a continuous pressure for energy reduction requiring huge investment. The urea policy has not allowed enough provision for recovery of such investments. Tax incentives for such projects will provide some relief.

8.3.5 Extension of weighted deduction under section 35 CCC of IT Act beyond April, 2021 to incentivize Indian companies and cooperative sectors to create infrastructure for farmers' education and training programmes to in turn give a boost to extension services by the fertilizer industry.

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

### 9.1 PAT Scheme in Fertilizer Sector

9.1.1 Fertilizer Industry is one of the eight sectors notified under Energy Conservation Act and included in PAT scheme. There are 37 fertilizer plants (Designated Consumers) covered under PAT scheme. During PAT Cycle 1 (2012-2015), fertilizer plants carried out various measures such as change of feedstock and revamps and achieved significant energy savings. Fertilizer sector achieved energy saving of 0.853 million MTOE against target of 0.477 million MTOE. During PAT Cycle 2 (2016-2019), fertilizer sector was assigned arbitrarily energy saving target of 0.413 million MTOE based on the share of sector in total energy consumption. During PAT cycle 2 of 2016-17 to 2018-19, 22 out of 36 DCs were not able to achieve the energy saving targets. These plants either have to utilize the energy saving certificates earned during PAT Cycle I to meet the energy saving targets or buy the certificates from the market. It shows that saving targets were not realistic and not based on potential for saving. Some plants had represented to BEE for relief due to higher energy consumption for reasons beyond their control. A few plants were recommended for relief based on merit and conditions prescribed under the PAT Rules.

9.1.2 It was learnt that BEE was in the process of fixing

target for the next PAT Cycle with three-year cycle starting from 2021-22. If energy saving targets were fixed as per the earlier approach, this would put most of the fertilizer plants in a difficult situation. For the most efficient urea plants, it would be difficult even to maintain the current achieved levels. Since the objective of energy saving is already met under the current pricing policy for the urea plants, FAI had requested DOF to take up the matter with the Ministry of Power to exclude urea plants from PAT Scheme. The scope of energy saving is limited in complex fertilizer plants due to low energy intensity and high dependence on imported raw materials. These plants should also be exempted from PAT Scheme. FAI represented vide letters dated 1<sup>st</sup> February, 2021 and 9<sup>th</sup> March, 2021 to the Secretary (Fertilizers) and also represented to DG, BEE vide letter dated 1<sup>st</sup> February, 2021. BEE has not taken any decision regarding the next PAT cycle for fertilizer sector.

## 9.2 Prospects of Green Ammonia

9.2.1 A lot of interest has been generated in production of green hydrogen/ammonia. FAI has been participating in the activities on the issue organized by various organizations such as The Energy and Resources Institute (TERI), Council on Energy, Environment and Water (CEEW) and National Institute of Solar Energy (NISE).

9.2.2 The Ministry of Renewable Energy (MNRE), Government of India constituted a Working Group on production and use of green ammonia. FAI and two fertilizer companies are members of the Group. In its first meeting on 18<sup>th</sup> January 2021, a sub-group was established to prepare the draft report. FAI was also member of the subgroup to draft a report. FAI prepared the draft report "Prospects of Green Ammonia in India" with inputs from other members of the subgroup. Draft was also circulated to the FAI Board members. The draft report was submitted to MNRE. The Draft proposed setting up of demonstration plant and utilization of green ammonia by producers of complex fertilizers and other industries. The utilization of green ammonia should be supported by fiscal incentives from the government in the form of grant/subsidy.

9.2.3 The second meeting of the Working Group was held on 12<sup>th</sup> February 2021 under the chairmanship of Additional Secretary, MNRE. DDG, FAI made a presentation on the draft report. Impact of use of green ammonia both for production of complex fertilizers and urea was shown. It was also pointed out that it will be technologically difficult to use green ammonia or hydrogen in integrated ammonia-urea plants.

9.2.4 The Minister of State of Ministry of Power and MNRE (Independent Charge) took a meeting on 16<sup>th</sup> April 2021

to discuss the report of the Working Group. It was attended by CEO, NITI Aayog; Secretary (Fertilizers); Secretary (Power); Secretary (MOPNG); Additional Secretary, MNRE; CMD, NTPC; CMD, SECI; DDG, FAI and senior officials from RCF and NFL. Secretary (Fertilizers) made a point that integrated ammonia-urea plants will not be able to use green ammonia. FAI also clarified that recovery of carbon dioxide from flue gases for converting green ammonia to urea was highly unviable proposition. Possible targets for level of use of green ammonia/hydrogen mainly in fertilizers and refineries were discussed. There may be a target of 0.05% to start in 2023-24 for complex fertilizer plants. MNRE will take up the follow up action for formulation of policy in this regard.

## 9.3 Energy Consumption in Ammonia and Urea Plants

9.3.1 FAI has been compiling the yearly data for energy consumption of ammonia and urea plants. The weighted average energy consumption of all ammonia plants improved to 8.18 Gcal/MT ammonia in 2020-21 compared to 8.25 Gcal/MT ammonia during 2019-20. However, weighted average energy consumption of urea plants remained at the same level at 5.78 Gcal/MT in 2020-21 as was in 2019-20.

## 9.4 Downtime in Ammonia and Urea Plants

9.4.1 FAI carried out downtime analysis of ammonia and urea plants for the period of 2017-2020. The analysis covered 29 ammonia and 30 urea plants. These plants achieved average on-stream days of 329.4 days for ammonia and 325.5 days for urea during the period. There has been an increase in mechanical problems resulting in lower on-stream days compared to previous three-year period. The production loss on account of factors external to the plants was also significant during the period.

9.4.2 A detailed status paper was published in March 2021 issue of Indian Journal of Fertilisers. Participating companies were also provided with benchmark report for longest uninterrupted running hours, annual turnaround days, number of forced shutdown, on-stream days and cumulative mechanical, electrical, process and instrumentation downtime for three-year period.

## 9.5 Ammonia Storage Tanks

9.5.1 FAI collected information on ammonia storage tanks in operation in the fertilizer plants. The information was received from 30 fertilizer plants operating 68 ammonia storage tanks. Out of 68 ammonia storage tanks, there are 12 Horton spheres and 56 atmospheric

storage tanks. FAI published a status paper in the May 2021 issue of Indian Journal of Fertilisers. The paper covered the information on types of storage tanks, experience of commissioning, decommissioning and inspection. Major findings during inspection by various plants and remedial measures have been described in brief.

### 9.6 Special Issue of Indian Journal of Fertilisers

9.6.1 The June 2020 issue of Indian Journal of Fertilisers was devoted to the theme of “Reliability of Static Equipment in Fertilizer Plants”. The issue included ten papers contributed by fertilizer plants and an expert in the area of design of static equipment. The paper covered diagnosis, troubleshooting and repair of various reactors, heat exchangers, boilers, pipelines, etc. in fertilizer plants. The issue provided the valuable information at one place for the plant operators and designers of fertilizer plant.

### 10.0 ISSUES RELATED TO SUPPLY OF NATURAL GAS

#### 10.1 Natural Gas Supply Data

10.1.1 The supply of natural gas to the fertilizer plants during 2020-21 was 15.77 BCM equivalent to 43.21 MSCMD. The supply of domestic gas was 10.23 MMSCMD, thus reducing its share to 23.7% during the year from 30.4% in 2019-20. The data excludes consumption of MCFL, Mangalore and SPIC, Tuticorin which switched their feedstock to natural gas in December 2020 and February 2021, respectively. All urea plants are now operating on natural gas as feedstock.

#### 10.2 Availability of Domestic Natural Gas from KG D6 Gas Fields

10.2.1 Share of domestic natural gas in total supply of gas to urea plants has declined from about 76% in 2012-13 to the tune of 30% during 2019-20. This was further reduced to 23.7% in 2020-21.

10.2.2 Additional domestic gas from KG fields became available during third quarter of 2020-21. First tranche of 5.0 MMSCMD was available from December 2020 for which bids were invited in August 2019. M/s GAIL had submitted bids on behalf of fertilizer companies. A few companies contracted some quantities. In December 2020, M/s RIL opened bid for another tranche of 7.5 MMSCMD gas from KG D6 gas fields to be available from 1<sup>st</sup> February 2021. However, there was change in terms and conditions from the earlier bid document which could have affected the gas buyers adversely. These included linking of price of natural gas from these fields to JKM Index and contract period of minimum 3 years. There are also issues in maintaining contracts with different gas transporters. FAI vide letter dated 13<sup>th</sup>

January, 2021 requested Secretary (Fertilizers) to appoint GAIL/GSPC as the bidder on behalf of fertilizer sector. Pricing formula be fixed related to Brent crude price and there should be shorter duration of contract with offtake of gas from 1<sup>st</sup> April 2021.

### 10.3 Natural Gas Trading Platform

10.3.1 FAI arranged a presentation on nation-wide natural gas trading platform for the fertilizer companies on 6<sup>th</sup> May 2020 by the Indian Gas Exchange. The presentation was attended by representatives of a number of fertilizer plants and DDG and Chief (Technical), FAI. The presentation covered various features of the trading mechanism. It was highlighted that purchase of gas can be done either at the supply point or on delivered basis.

### 10.4 Proposed Unified Tariff for Natural Gas Pipelines

10.4.1 Petroleum and Natural Gas Regulatory Board (PNGRB) webhosted a Public Notice on PNGRB (Determination of Natural Gas Pipeline Tariff) Regulations, 2008 for revising pipeline tariff by implementing a system of unified tariff for Integrated Pipeline System. FAI sent its comments on the Notice on 27<sup>th</sup> July, 2020 and put forth its comments during the virtual open house on 31<sup>st</sup> July, 2020 organized by PNGRB. FAI apprehended that unified tariff exercise might increase the tariff for existing consumers.

10.4.2 The PNGRB again webhosted the revised Document with proposal of two zones viz. upto 300 km and beyond 300 km and sample calculation of tariff for each zone. FAI circulated the same to the concerned member companies and sought views on the proposed tariff regime and its impact on the respective units. The data collected by FAI showed that most of the existing plants would have to pay higher tariff under proposed new regime. FAI sent its response to the PNGRB on 20<sup>th</sup> October, 2020 highlighting that the proposed tariff regime will impact the industry to the tune of Rs. 400 crore with assumption of a tariff of Rs. 56.84 per MMBTU for Zone 2. A copy of the same was sent to the Secretary (Fertilizers).

10.4.3 PNGRB conducted an open house again on 23<sup>rd</sup> October, 2020 and FAI expressed the views as enumerated in the letter. The PNGRB requested for plant-wise information on gas transportation supply lines, the existing tariff and difference under proposed tariff. FAI provided plant-wise information to the PNGRB. The PNGRB sent a communication on 10<sup>th</sup> November, 2020 enclosing responses of two transporters. They have argued that proposed tariff regime would reduce the transportation tariff for overall industry if the new projects are also taken in account and thus will reduce

fertilizer subsidy. The FAI consulted the PNGRB and suggested to calculate the impact by considering zone 1 tariff as 35% of Zone 2 tariff and levelized tariff of Rs. 56.84 per MMBTU. Accordingly, FAI requested members to provide the revised information on the tariff of Rs. 23.75 per MMBTU for Zone 1 and Rs. 67.87 per MMBTU for Zone 2.

10.4.4 FAI requested the PNGRB through a letter dated 13<sup>th</sup> November, 2020 and highlighted that increase in tariff may render urea production beyond reassessed capacity unviable. FAI also sought more time to provide the consolidated data for all plants including new plants. A letter was again sent on 23<sup>rd</sup> November, 2020 to PNGRB showing the adverse impact of increased tariff on most of the existing fertilizer plants and continue the existing tariff system. But the PNGRB notified the Petroleum and Natural Gas Regulatory Board (Determination of Natural Gas Pipeline Tariff) Second Amendment Regulations, 2020 on 23<sup>rd</sup> November, 2020. The first tariff zone for unified tariff would mean a length of three hundred kilometers from the unified entry point on either side of the national gas grid system and the second tariff zone for unified tariff, being the remaining length of the national gas grid system on either side of first tariff zone for unified tariff. Unified tariff for the two unified tariff zones shall be determined by the Board in a manner that the tariff for first tariff zone for unified tariff shall be 40% of the tariff for second tariff zone for unified tariff. The final tariff is yet to be notified by PNGRB.

### 11.0 ISSUES RELATED TO ENVIRONMENT AND SAFETY

#### 11.1 Plastic Waste Management Rules

11.1.1 FAI has been representing issue of implementation of Plastic Waste Management (PWM) Rules in fertilizer sector. A study was also carried out for life cycle analysis of fertilizer bags. It was brought out that empty fertilizer bags are used multiple times by farmers and other sections of the society for various purposes. FAI along with few industry representatives met a senior officer dealing with the issue of PWM in the CPCB. The CPCB noted our concerns but clarified that equivalent amount of plastic has to be recycled and credit can also be availed from the bag suppliers.

11.1.2 The Ministry of Environment Forests and Climate Change (MOEFCC) issued a Draft Guideline Document on Uniform Framework on Extended Producers Responsibility (EPR) for comments. The Draft Guideline Framework defined various processes and procedures for the Producers, Importers and Brand Owners (PIBO) to meet the obligations under PWM. The Draft Guideline outlined options for meeting the obligations including

the fee based model and Producers Responsibility Organization (PRO) based model and envisages a system of earning plastic credit and market based mechanism for trading of plastic credits. It provides for creation of a national registration and database repository for registration of all stakeholders viz. PIBOs and PRO etc. and establishment of robust audit mechanism through an independent audit authority. A graded approach for fixing targets for EPR compliance have been suggested starting with 30% in first year and reaching upto 90% in a period of 5 years. The EPR framework is brand and geography neutral.

11.1.3 The document was circulated to all the member companies for their comments. Based on the feedback received from some member companies, FAI sent its comments to the MOEFCC on 31<sup>st</sup> July, 2020. A lower and reasonable target for the fertilizer sector was requested due to multiple uses of empty bags for long time and its impact on the cost of production. Further, it was suggested to distribute recycle target among key stakeholders in the value chain. A reasonable time for compliance after notification of the guideline document was requested. Earlier, FAI had requested MOEFCC and CPCB to defer the registration process till the Guideline Document is finalized. All communications to the MOEFCC/CPCB were circulated to the Board and other officials of member companies.

11.1.4 Hon'ble NGT in its order dated 08<sup>th</sup> January, 2021 directed the MOEFCC to finalize the EPR within a timeframe of 3 months. Further, it has directed that the CPCB/SPCBs/concerned authorities may implement the environmental compensation and penal action against stakeholders for non-compliance.

11.1.5 The matter was discussed in the FAI Environment Advisory Committee meeting on 10<sup>th</sup> February, 2021 held virtually. M/s Gem Enviro Management Pvt. Ltd., New Delhi made a presentation on the developments in implementation of Plastic Waste Management Rules and addressed queries of members. The procedure of registration as Brand Owner, options for EPR compliance and reporting methodology were explained. It was clarified that the application for registration has to be supported by an action plan. As per the existing Rules, registration is for one year and target has to be 100% recycling within one year from registration. Fertilizer bags and liners are made up of HDPE /LDPE/BOPP and since these materials are recyclable, fertilizer bags can be categorized under the non-MLP. As per the guidelines of CPCB, recycling is brand and geography neutral and equivalent amount of plastic waste from any source can be recycled. Members who have not applied for registration were advised to do so at the earliest.

11.1.6 In March 2021, the CPCB issued Standard Operating Procedure (SOP) for preparation of Action Plan. The SOP envisages meeting the obligations under PWM through own distribution channels, direct engagement with urban local bodies or through a waste management agency (WMA). The brand owners are free to adopt any or all of the options. The SOP document outlines EPR action plan details and obligations of brand owners and waste management agencies. The SOP mandates EPR targets based on type of plastic wastes (MLP and non-MLP) and its compliance in each State/UTs where the product has been introduced. The registration process has been made more difficult with additional document requirements viz. action plan for fulfilling EPR liability (State/UT-wise), document issued by ULB/designated state authority to WMA/PIBO, registration issued by SPCB to plastic waste recycler, etc. The SOP will be applicable till the finalization of EPR Framework by MOEFCC. The CPCB also issued a public notice for registration of Producers, Importers and Brand Owners under PWM rules. The last date for applying for registration was 30<sup>th</sup> April, 2021 which was first extended to 15<sup>th</sup> May, 2021 and later further extended to 1<sup>st</sup> July, 2021.

### 11.2 Standardization Cell in the Association

11.2.1 Bureau of Indian Standards (BIS) vide letter dated 13<sup>th</sup> February, 2020 advised FAI to create a Standardization Cell in the Association. The Standardization Cell within the Association will facilitate better interaction with scientific and professional bodies on identification of new areas for development of standards, revision of existing standards and harmonizing Indian Standards with International Standards. This will help in optimizing the involvement of industry in the standard development process and better coordination with BIS. The FAI Board approved the formation of Standardization Cell within the FAI. The letters were sent to Board to nominate senior executives from the field of technology, agriculture and marketing. FAI also requested IARI to nominate a senior level officer in the Standardization Cell. FAI received the nominations. BIS was informed about the formation of the Cell along with list of members of the cell.

### 11.3 BIS Meeting of Air Quality Sectional Committee

11.3.1 Bureau of Indian Standards organized a meeting of CHD 35 Air Quality on 29<sup>th</sup> May, 2020 through video conferencing. The meeting was attended by Chief (Technical), FAI. The Committee deals with national and international standards and analytical methods for measuring various pollutants in air from stationary source, ambient air, and work place. One of the agenda points was to review the methods for measurement of

Ammonia (IS 5182-25: 2018, part 25). In the earlier meeting, the Committee suggested to use higher volume of absorbent for analysis of samples using colorimetric method. The analysis at different volume was carried out by a laboratory and the data was provided to BIS. It was found that with higher volume of absorbent, the concentration of ammonia was recorded much higher from the existing methodology. The adoption of such a change in analysis would have created problem due to doubtful analysis and meeting the standard of ammonia in ambient air by fertilizer plants. We contested that the results are based on only two sets of experiments which are not sufficient to draw any conclusion. The variance between two sets was more than 10%. Further, it was highlighted that monitoring based on absorption depends on number of factors which should be considered while carrying out trials. Sensitivity analysis should also be carried out. Committee decided that more trials be carried out at different labs considering all the factors and then results will be reviewed by the Committee.

### 11.4 Guide for Treatment and Disposal of Effluents of Fertilizer Industry

11.4.1 On the request of BIS, FAI prepared a draft of the Guide for Treatment and Disposal of Effluents of Fertilizer Industry with the help of a consultant. The Guide was circulated a few times to the members for comments. FAI received a few comments and were incorporated in the Draft. The Draft Guide has been submitted to BIS. BIS has conveyed that it has circulated the Draft in its Technical Committee (CHD 32) for one month and no comments were received. Now, it will be widely circulated for comments from other stakeholders. After addressing all the comments, the Guide will be finalized and published by BIS.

### 11.5 Compliance with the Poisons Act 1919

11.5.1 A meeting under the Chairmanship of Additional Secretary (Chemicals) with Industry Associations for discussion on Poisons Act 1919, compliance on the Regulatory Compliance Portal of Department for Promotion of Industry and Internal Trade (DPIIT) was held on 5<sup>th</sup> April, 2021. FAI received the minutes of the meeting in which the Chairman desired that a note be provided which may cover the hurdles that the industry is facing with respect to Poison Act compliance for acids/poisons, definition of bulk or retail sale of acids and also the solution proposed to address it within the existing legal framework. FAI circulated the same to its members for comments. Based on the comments received, FAI sent the note to Director, DCPC on 26<sup>th</sup> April, 2021. It was highlighted that the industrial and bulk chemicals are covered under Factory Act and Manufacture, Storage, and Import of Hazardous Chemicals (MSIHC) Rules, 1989.

Therefore, Poison Act should not be made applicable to industrial and bulk chemicals. The retail sellers have to obtain license under FCO, therefore, the retail sale of fertilizers should also be exempted from the provision of the Act. List of poisons, quantitative threshold of poison/chemicals and concentration for retail sales should be clearly outlined in the Poison Act.

## 11.6 Management of Phosphogypsum

11.6.1 IFA organized 9<sup>th</sup> Annual IFA Phosphogypsum/NORM Working Group Meeting on 28<sup>th</sup> April, 2021. The theme of the meeting was Road to 100% Use - Planning the Ascent. Presentations were made by some companies/institutes on utilization of PG in agriculture and restoration of old stacks. FAI presented the status of generation of utilization of PG during 2019-20. The production of phosphoric acid was 1.6 million tonnes and about 8.45 million tonnes of phosphogypsum was generated. Major utilization was in cement plants followed by agriculture and construction and building materials.

11.6.2 The Department for Promotion of Industry and Internal Trade (DPITT), Ministry of Commerce & Industry, Government of India has constituted a Working Group for Circular Economy in Phosphogypsum. In addition to representation from DOF, cement manufacturers and two phosphoric acid manufacturers are its members. DPITT requested FAI to nominate an executive from the Association in the Working Group. DDG, FAI has been nominated as its member from FAI. The Working Group has prepared a Draft Report on Circular Economy for Gypsum. FAI has provided comments on the draft report and additional data requested by DPITT.

## 12.0 DEVELOPMENTS RELATED TO FERTILISER CONTROL ORDER (FCO)

### 12.1 Central Fertiliser Committee Meeting

12.1.1 Eight meetings of the Central Fertilizer Committee (CFC) were held during 2020-21 through video-conferencing under the chairmanship of Dr. S.K. Malhotra, Agriculture Commissioner, MOA&FW. The Director General, FAI participated in all the meetings and provided inputs on the agenda items which came up for discussion during CFC meetings held on 24<sup>th</sup> June, 30<sup>th</sup> June, 6<sup>th</sup> July, 31<sup>st</sup> July, 24<sup>th</sup> September, 19<sup>th</sup> October, 22<sup>nd</sup> December, 2020 and 9<sup>th</sup> March, 2021. Some of the important items discussed in CFC meetings included: inclusion of new fertilizers and new schedules in FCO; amendments in specifications, tolerance limits, and method(s) of analysis of fertilizers; defining fake and sub-

standard fertilizer; review of bio-fertilizers and organic fertilizers; and constitution of fertilizer development and regulatory authority.

### 12.2 Inclusion of New Fertilizers

12.2.1 The inclusion of new fertilizers in FCO is an ongoing process. With the continuous efforts of FAI, procedure for inclusion of new fertilizers has been simplified to some extent and efforts are being made to get it further simplified/streamlined. A record number of proposals received from member companies for inclusion of new fertilizers were approved by CFC during the year.

12.2.2 The new fertilizer products notified in Schedule-1 of FCO included: two straight potassium fertilizers - Dihydrate poly halite, Potassium magnesium sulphate (granular); four fortified fertilizers - NPK 9:24:24 fortified with Mg, S, Zn and B; Boronated NP 28-28-0-0.2; NPK 8:21:21 fortified with Mg, S, Zn and B; Diammonium phosphate fortified with 4% Sulphur; eight liquid fertilizers - NPK 8:8:8 (for sugarcane crop), Calcium dihydrogen phosphate, Chelated zinc as zinc-glycine, Chelated calcium as calcium-glycine, Chelated boron as boron-glycine, NK 6:0:18 fortified with Ca, Mg, B (suspension), NPK 11:11:8 fortified with Zn, B (suspension), and Calcium nitrate fortified with Mg (suspension); two 100% water soluble complex fertilizers - 24-24-0, and Potassium nitrate (prilled) (13-0-45) (Soil application); and two beneficial element fertilizers - Diatomite silicon, and Sodium silicate (liquid). In addition, two organic fertilizers namely fermented organic manure and liquid fermented organic manure were included in Schedule IV of FCO.

### 12.3 Inclusion of Bio-stimulants and Nano-fertilizer

Bio-stimulants and Nano-fertilizer have been included in FCO under Schedule VI and VII, respectively.

#### 12.3.1 Bio-stimulants

12.3.1.1 A large number of products are being sold in the country as bio-stimulants. However, in the absence of a regulatory mechanism, it was difficult to regulate the quality of such products. Accordingly, a committee was set up under the Chairmanship of DG, ICAR to develop the mechanism to include these products in FCO. Based on the recommendations of this Committee, bio-stimulants were included in FCO under Schedule-VI, vide S.O. 882 (E) dated 23<sup>rd</sup> February, 2021.

12.3.1.2 Central Government has constituted Central Bio-stimulant Committee (CBC) with Agriculture



Commissioner, Government of India as Chairman and seven more members. The Committee is mandated to advise on the i) inclusion of new bio-stimulant, ii) specifications of various bio-stimulants, iii) methods of drawing of sample and its analysis, iv) minimum requirements of laboratory, v) methods of testing of bio-stimulants, and vi) any other matter referred to the Committee by Central Government.

### 12.3.2 Nano-fertilizers

12.3.2.1 A lot of work has been done globally, including India, on the development of nano products. Last year, IFFCO submitted a proposal for inclusion of its three products namely Nano Nitrogen, Nano Zinc, and Nano Copper in FCO. The proposal was discussed in CFC. The CFC agreed for the inclusion of IFFCO's Nano Nitrogen. CFC constituted a Technical Committee under the chairmanship of DDG (NRM), ICAR to propose the general specifications and testing protocols for Nano Nitrogen. In its 69<sup>th</sup> meeting, CFC accepted the recommendations of Technical Committee on specifications and testing protocols. Accordingly, clause 20D was inserted in the FCO for nano-fertilizers.

12.3.2.2 In pursuance of clause 20D of FCO, the specifications were notified for Nano Urea (liquid) fertilizer, to be manufactured by IFFCO for a period of three years vide S.O. 885(E) dated 24<sup>th</sup> February, 2021. The method of analysis of Nano Nitrogen was also notified vide S.O. 2126 (E) dated 31<sup>st</sup> May, 2021.

### 12.4 Amendments in FCO

FCO is a dynamic order and amendments are made from time to time to address the fertilizer quality control and other related problems/issues. Some of the important amendments made in FCO during 2020-21 are given.

#### 12.4.1 Re-processing of Fertilizer Damaged during Storage

12.4.1.1 FAI had been taking up with DAC&FW to allow reprocessing of self-declared damaged fertilizer material during storage. This issue was also taken up in the meeting of Working Group-III on Administrative and Legal Reforms. Recognizing the problem, the Government has allowed the manufacturers and importers the reprocessing of fertilizer, damaged during storage with following conditions:

- (a) The container of such damaged material shall be conspicuously superscribed in red color with the word "Damaged" and also with Sign "X".
- (b) The damaged fertilizer shall be moved from the godown within one week from the date of grant of certificate of reprocessing.

#### 12.4.2 Relaxation in Tolerance Limit of Particle Size

12.4.2.1 FAI has been underlining the need of having provision of compounding of the minor offences in FCO, particularly physical parameters (particle size and moisture) at various fora. Discussing the issue in the meeting of CFC, Joint Secretary (INM), DAC&FW expressed difficulty in having provision of compounding in FCO because the Essential Commodities Act (ECA), 1955, under which FCO is issued, does not have a provision of compounding. It was suggested that relaxation in the tolerance limit for particle size may be given to take care of the problem. After detailed discussion, CFC agreed to increase tolerance limit for particle size from 3% to 7%. Accordingly, amendment was issued in FCO vide S.O. 3885 (E) dated 29<sup>th</sup> October, 2020.

#### 12.4.3 Reduction in Weight of Sample of WSFs

12.4.3.1 The weight of sample of water-soluble fertilizers (WSFs) has been reduced to 100 g from 400 g earlier. With a view to ensure quality, every manufacture or importer is now required to provide the details of raw material used in making 100% water soluble mixture of fertilizers.

#### 12.4.4 Accreditation of State Fertilizer Testing Laboratories

12.4.4.1 FAI has been insisting on upgrading the fertilizer testing laboratories as majority of the state fertilizer laboratories do not have the required equipment and technical manpower for testing the fertilizer samples. The testing of fertilizer samples by state labs has always been an issue. Wrong results many a time result in huge financial loss and harassment to industry.

12.4.4.2 To address the problem, it has now been made mandatory for every fertilizer testing laboratory, specified or notified by State Government, to obtain the accreditation of the National Accreditation Board for testing and calibration of laboratories within a period of two years from 28<sup>th</sup> September, 2020. Regular training has also been made mandatory and now every fertilizer analyst shall undergo training every three years in CFQC&FI, Faridabad or RFQCLs at Mumbai, Kalyani or Chennai.

#### 12.4.5 Reduction in Time Limit of Sample Analysis

12.4.5.1 The continuous efforts are being made to reduce the time limit for analysis of fertilizer sample and communication of results. Now this time limit has been reduced to about 1 month from 2 months earlier and it is currently as follows;

- ◆ Dispatch of sample (within 3 days from drawl of sample)

- ◆ Analysis in laboratory (within 15 days from date of receipt of sample), and
- ◆ Communication of results to dealers (within 7 days from date of receipt of analysis report from laboratory)

12.4.5.2 The above time limit is applicable to first analysis and not to the referee analysis and third analysis.

### 12.4.6 Insertion of Term Marketer in Form A1 and Form J of FCO

12.4.6.1 Although, the definition of Marketer was notified in FCO in September 2016, it was not incorporated in Form A1 and Form J of FCO. This was brought to the notice of DAC&FW. The term 'Marketer' has been inserted in Form A1 and Form J of FCO vide S.O. No. 3410(4) dated 29<sup>th</sup> September, 2020.

## 12.5 Important Recommendations of CFC

### 12.5.1 Defining Fake & Substandard Fertilizers

12.5.1.1 It was pointed out that the term 'non-standard fertilizer' is only given for all types of sub-standard fertilizers in FCO. However, differentiation needs to be made between the offence made for sale of fake fertilizers and non-standard fertilizers with a minor deviation of 1-2% in the FCO specifications. Joint Secretary (INM) explained that there was no need of defining fake and sub-standard fertilizers in FCO as the meaning / explanation of sub-standard, adulterated and spurious (fake) fertilizer is already given under Clause 19 of FCO.

12.5.1.2 CFC decided that Director, CFQC&TI, Faridabad and representative of FAI may look into the matter and give their recommendations. Accordingly, guidelines were formulated for uniform application of provisions of FCO by all the States. The draft guidelines were prepared and put up in the meeting of CFC held on 6<sup>th</sup> July, 2020. However, these guidelines are yet to be approved and issued to the states.

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

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

12.5.2.2 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.

### 12.5.3 Review of Sampling Procedure for Imported Fertilizers

12.5.3.1 One of the member companies underlined the need to review the sampling procedure of imported fertilizers from ship. In CFC meeting, it was informed that procedure of sampling from the ship was amended in January, 2015. Now, the ship-composite sample is prepared by mixing part of each day composite sample. Samples are drawn at regular interval of five hours on first and last day and 3 hours on intermediate days. Earlier, ship-composite sample used to be prepared by mixing part of each hatch composite sample. At least 10-15 samples used to be drawn from different depths and points of each hatch.

12.5.3.2 After detailed discussion, JS (INM) requested DG, FAI to discuss the matter with the industry and suggest possible amendments in procedure of sampling from ship. Accordingly, member companies were requested to send their inputs regarding the changes/modifications considered necessary in regard to collection and analysis of imported fertilizers. FAI has not received any suggestion in this regard.

### 12.5.4 Review of Bio-fertilizers and Organic Fertilizers

12.5.4.1 Director, National Center for Organic Farming proposed a number of changes in FCO for bio-fertilizers and organic fertilizers. Accordingly, CFC constituted a Technical Expert Committee (TEC) under the chairmanship DDG (NRM), ICAR to look into the issues relating to bio/organic fertilizers such as specifying specifications, tolerance limits, requirement of license for manufacturers, disposal of non-standard bio/organic fertilizers, etc. The TEC held four meetings on these issues. Based on input from members and stakeholders, a number of suggestions were given by TEC. The CFC has accepted the important recommendations of TEC and a number of amendments for bio/organic fertilizers are likely to be notified in FCO shortly.

## 12.6 Fertilizer Development and Regulatory Authority

12.6.1 Parliamentary Standing Committee on Agriculture in its 54<sup>th</sup> Report had made a recommendation to the Government to take steps for constitution of a Fertilizer Development and Regulating

Authority in order to streamline the process of certification of fertilizers, continuous quality check, imposing penalty for sub-standard and spurious quality of fertilizers, promoting innovations in fertilizer sectors and fixation of pricing of fertilizers, etc. In this context, DAC&FW constituted a Committee under the Chairmanship of Additional Secretary (INM) with Joint Secretary (INM) as Member – Secretary and Joint Secretary (DOF), DG, FAI and Director, CFQC&TI as members. The terms of reference of Committee were to examine existing mechanism of quality control of fertilizers in view of recommendation of Parliamentary Committee and make recommendations in this regard.

12.6.2 The Committee held two meetings and prepared the draft report. Third Meeting of the Committee was held on 29<sup>th</sup> July, 2020 to finalize the report. Committee expressed that the concerns raised by the Parliamentary Standing Committee are well taken care of under the various provisions of FCO and obviates the need for constitution of Fertilizer Development and Regulatory Authority in fertilizer sector.

### 12.7 Development of Indian Standard in Food and Agriculture

12.7.1 One of the main activities of Bureau of Indian Standard (BIS) is the development of National Standards which is spread over various divisions out of which Food and Agriculture Division Council (FADC) is one of the divisions. Various Technical Committees under FADC are entrusted with the development of Indian Standards. Industry associations are key stakeholders and play important role in the process of developing standards in the field of Food and Agriculture.

12.7.2 To enhance the synergy between the associations and various technical departments of BIS, a meeting was held on 15<sup>th</sup> July, 2020 through WEBEX. Director (Agricultural Sciences), FAI attended the meeting and gave his input on agenda points including Standardization Portal in BIS and Standardization Cell.

### 13.0 INITIATIVES FOR SOIL HEALTH IMPROVEMENT

#### 13.1 FAI-IPI Webinar on WSFs

13.1.1 The Fertiliser Association of India and International Potash Institute (IPI) jointly organized one-day Webinar “Water Soluble Fertilizers in India – Status and Way Forward” on 23<sup>rd</sup> September, 2020 at the FAI House, New Delhi. Dr. S.K. Malhotra, Agriculture Commissioner, Government of India was the Chief Guest at the inaugural ceremony. Mr. Hillel Magen, Director, IPI, Switzerland gave the opening remarks. Mr. Satish Chander, DG, FAI delivered the introductory address. About 100 delegates

representing Indian Council of Agricultural Research (ICAR), State Agricultural Universities (SAUs), Ministry of Agriculture and Farmers Welfare, Indian and International Fertilizer Industry participated in the Roundtable.

13.1.2 In all 9 presentations were made in two technical sessions by experts of national and international repute. Resume of Webinar along with Conclusions and Recommendations was published in the November, 2020 issue of the Indian Journal of Fertilisers.

#### 13.2 Agriculture Special Issue on Integrated Nutrient Management

13.2.1 The major soil health issues from crop nutrition point of view are low soil organic carbon, expanding multinutrient deficiencies, low nutrient use efficiencies, imbalanced fertilizer use, decline in fertilizer response ratio, and burning of crop residues. Integrated nutrient supply system *i.e.*, the combined use of fertilizers, organic manures and bio-fertilizers is the only practical, efficient, economically feasible and environmentally benign way of managing nutrients and sustaining soil health.

13.2.2 Keeping above in view, FAI devoted April 2020 special issue of the Indian Journal of Fertilisers to “Integrated Nutrient Management”. The main objective of this special issue was to highlight the increasing importance and need for evolving integrated nutrient management (INM) strategies to enhance the crop yields and improve the soil health. Five lead papers covering important aspects of INM were published in this special issue.

#### 13.3 Improvement in NAAS Rating of the Indian Journal of Fertilisers

13.3.1 The National Academy of Agricultural Sciences (NAAS) has developed a system for rating the professional Journals. In this system, NAAS score is assigned to the Journal based on the different performance parameters identified for quantitative evaluation. The NAAS rating of Indian Journal of Fertilisers (IJF) was initially 3.80. It was reduced to 2.81 five years back. This adversely affected the inflow/receipt of good quality papers. To salvage the situation, a number of steps were initiated by FAI to improve the content and quality of papers/articles published in the IJF. These included the setting up of external Editorial Board, peer-reviewing of articles, adhering to the international standards for stylization of the text, tables, figures, references, etc. With these measures, the NAAS rating of IJF has improved to 4.76 w.e.f. 1<sup>st</sup> January, 2021. More sustained efforts, which include the inclusion of IJF in the indexing journals, working towards online processing and publishing, etc. are proposed to be taken

up to get a NAAS score of at least 5.0, a benchmark score set by most of the institutions unofficially to classify the journal as a quality journal.

### 14.0 Chintan Shivir – Fertilizing the Future

The Department of Fertilizers, Ministry of Chemicals and Fertilizers, GOI constituted five high level Working Groups to deliberate on challenges facing the fertilizer sector and to prepare knowledge report for five years' roadmap. The Fertiliser Association of India and select fertilizer companies were represented in each of these five Working Groups. Each Working Group had two meetings. FAI participated in all the meetings. As a follow up, FAI sent detailed notes in consultation with its members to the Convener of each Working Group. Broad outcome of deliberations in the meetings of the Working Group are given.

#### 14.1 Working Group-I on Rationalization of Logistics for Fertilizer Movement

14.1.1 Draft report of the Working Group, received by FAI on 10<sup>th</sup> June, 2020, was circulated to the Board for comments. No substantial inputs were received. DG, FAI has sent the following comments to Secretary (Logistics):

(i) Regarding recommendations of giving discounts on MRP in offseason, it was clarified that there is no restriction on giving discount on MRP. But, fertilizer companies already have under-recovery under various heads of cost in urea pricing and subsidy policy and cannot afford to give discounts. Moreover, MRP of urea is already a fraction of production cost. Any further discount will encourage its diversion to non-agriculture use.

(ii) It was suggested to include criteria of ensuring quality of product during handling, movement and storage for evaluating suitability of mode of transport.

#### 14.2 Working Group-II on Promotion of New/ Alternative Fertilizers

14.2.1 Based on suggestions/inputs from the group members, Convener of the Group prepared a note. It included the following actionable points.

(i) Innovative/alternate fertilizers, such as nano, slow/controlled release, coated, fortified, chelated, liquid fertilizers, bio-stimulants, customized fertilizers, etc. should be promoted for use in combination with traditional fertilizers and manure / compost. Specifications of these products should appropriately be included in Fertilizer Control Order.

(ii) Fertilizer subsidies need to be reoriented phase-wise

to allow level playing ground for all products of the same nutrient. Subsidy should be completely nutrient-based and not product-based. All products with same nutrient should have the benefit of the same subsidy.

(iii) Strong collaborations between public-funded research institutions, academia and fertilizer industry with financial backup are needed for R&D on value-added/new fertilizers.

#### 14.3 Working Group-III on Administrative and Legal Reforms in Fertilizer Sector

14.3.1 Based on the feedback of members, a detailed FAI note was sent to the Convener of the Group. It suggested various measures such as strengthening of fertilizer testing infrastructure, digitalization of certificate of registration and authorization letter, single window clearance for sale permission, compounding for minor offences, rationalization of tolerance limits, simplifying procedure of inclusion of new fertilizers, and allowing reprocessing of damaged/substandard fertilizers during storage. The group agreed on following points:

(i) To switch over to digitalization for obtaining various approvals from the State Governments.

(ii) There was also consensus to recommend to relax the tolerance limit of particle size from 3% to 7% and allowing reprocessing of damaged/substandard fertilizers during storage.

#### 14.4 Working Group-IV on Promoting Balanced and Sustainable Use of Chemical Fertilizers and Reduce Diversion of Urea

14.4.1 FAI note had suggested bringing urea under NBS and making sale through POS machine mandatory. In addition to promoting balanced fertilization, these measures will help in reducing the diversion of urea. FAI also emphasized on strengthening soil testing facilities and extension services. Recommendations of the Group included the following:

(i) Current policy of heavily subsidizing urea needs to be rationalized by bringing it under NBS.

(ii) Direct Benefit Transfer (DBT) in real sense should be the ultimate goal of pricing policy to promote balanced and integrated use of fertilizers.

(iii) Soil testing-based fertilizer recommendations and integrated plant nutrient supply system should be scrupulously followed.

### 14.5 Working Group-V on Direct Benefit Transfer to Farmer (Direct Fertilizer Subsidy to Farmers' Account instead of an Industry)

14.5.1 There was unanimity in the Group including the Department of Fertilizers that urea should be brought under NBS policy followed by DBT of subsidy to the farmers' accounts.

14.6 The recommendations of working groups are with the government. Some of the suggestions related to Fertilizer (Control) Order and Introduction of New and Innovative products have already been implemented. It is hoped that government will implement the other recommendations on policy reforms in fertilizer sector soon.

### 15.0 56<sup>th</sup> FAI Annual Seminar 2020

15.1 FAI Annual Seminar is one of the most important events for global fertilizer fraternity. FAI Annual Seminar 2020, the fifty sixth in the series, was organized during 7-9 December, 2020 in Hybrid Form on the theme of "Fertilizer and Agriculture during COVID-19". The inaugural session was held in physical form with limited gathering and technical sessions during the next two days were conducted on virtual platform. The Seminar received very good response in spite of various restrictions due to COVID-19 pandemic with 800 delegates.

15.2 The Seminar proceedings started with the Press Conference on 4<sup>th</sup> December, 2020. The Seminar was inaugurated by the Hon'ble Minister of State for Chemicals and Fertilizers, and Minister of State (Independent Charge) for Ports, Shipping and Waterways, Mr. Mansukh L. Mandaviya on 7<sup>th</sup> December, 2020 at India Habitat Centre, New Delhi. The inaugural function was also live streamed for all the delegates. Hon'ble Minister for Chemicals and Fertilizers, Mr. D.V. Sadananda Gowda, could not grace the occasion due to unavoidable reasons but sent a message for the delegates. Secretary, Department of Fertilizers, senior officials of the Department and Ministry of Agriculture and Farmers Welfare also participated in the inaugural session. This was followed by four technical sessions during next two days with presentations by eminent experts on virtual platform. In all, 14 papers were presented in technical sessions such as (i) Economic Environment for Fertilizer Sector, (ii) Innovation in Fertilizer Management, (iii) Developments in Fertilizer Production Technologies, and (iv) Supply Chain Management.

15.3 There were presentations by eminent speakers from India and abroad in the areas of World demand-supply of fertilizers and raw materials; international price

trends of fertilizers and raw materials; options for reforms in fertilizer sector; specialty fertilizers landscape; water soluble fertilizers for protected cultivation technology; programmes and policies for improving nutrient use efficiency in Indian agriculture; nano fertilizers - IFFCO experience; developments in the production of green ammonia; urea reactor liner repair; how to extend the life of vintage phosphatic plants in india?; increasing safety and heat recovery in sulphuric acid plants; recent developments in environment regulations in India; fertilizer supply chain management during pandemic; and DBT in fertilizers and Urvarak Dashboard.

15.4 The Seminar deliberation acknowledged that Indian fertilizer sector remains highly regulated. Policies framed in the decade of 1970s continue to govern the sector even today, except introduction of Nutrient Based Subsidy (NBS) for P&K fertilizers in 2010. Current policies are leading to imbalanced use of primary nutrients N,P&K and inadequate use of organic fertilizers and secondary & micronutrients. Net result has been low nutrient use efficiency, lower than optimum crop yield, lower farmers' income and escape of unused nutrients to environment. Government is spending more than Rs.70,000 crore as fertilizer subsidy, but it is not leading to balanced and integrated use of plant nutrients from all sources. These policies are adversely impacting the farmers, the government, the industry and also harming the environment. Thus, current policies need a major course correction.

15.5 The urea industry is suffering from unattractive margins due to under-recovery of fixed cost and stringent energy norms. Capacity utilization in P&K fertilizer sector has been stagnating at about 70% due to unfavourable customs duty and GST regime for raw materials.

15.6 There are two distinct areas of reforms viz., supply side *i.e.* industry and at consumer level *i.e.* farmers. Reforms for farmers include use of subsidy for promoting balanced use of plant nutrients. This will require recalibration of subsidy levels on primary nutrients N, P and K and increased level of subsidy support to secondary and micronutrients and organic manure. Direct payment of subsidy into farmers' bank account will automatically remove anomalies of present subsidy system. To start with, entitlement of subsidy may continue to be universal for all farmers, as is the case at present, to avoid leakages and malpractices.

15.7 As far as reforms at industry level are concerned, there is unanimity about introduction of NBS for urea. But, if this is delayed, there is a need for correction in existing urea policy. Approval of minimum fixed cost as

notified under Modified NPS-III Policy-2014, index based periodic revision in fixed cost beyond 2008-09 and rationalization of policy for energy norms and incentive for coal using units are necessary to restore viability of existing domestic urea production. There is also a need to increase the share of domestic gas in gas pool for fertilizer sector. Increasing share of imported LNG increases the pool price of gas leading to higher cost of production, and consequently, higher subsidy on urea.

## 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) was launched during 2000-01. It has been always the endeavour in FAI to update 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 Competition Compliance Policy, Social media sites, Blogs, Press releases, etc. Keeping in view sensitive information

stored in FAI website, the URL of FAI website is now <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 development in the fertilizer and agriculture sectors and other key information are sent to the web members regularly on the working days. The site has received good response from its members and other users.

17.3 The number of subscribers of the FAI website as on 31<sup>st</sup> March, .2021 was as under:

Active	:	9
Associate	:	28
<b>Total</b>		<b>37</b>

## 18.0 IT INFRASTRUCTURE IN FAI

### 18.1 Dedicated Internet Lease Line

18.1.1 Office of FAI opened in June 2020 after a nationwide lockdown until May end. FAI had carried out its normal activities during the lockdown. In view of the COVID-19 pandemic, holding of FAI Board meetings, AGM, other meetings and training programmes in physical form was not possible. In addition to the existing broadband internet facility in FAI office, a dedicated bandwidth internet lease line became necessity to organize various programmes through virtual media. Therefore, a dedicated bandwidth internet lease line of 10 MBPS (1:1) was installed in FAI in October 2020.

18.1.2 Airtel has been the internet service provider and Webex is the platform for conducting such programmes on virtual platform. In addition to FAI Annual Seminar, FAI conducted Board meetings; training programmes; advisory committee meetings and regional programmes & meetings. FAI officers participated in meetings/programmes organized by international agencies and the Government of India/State Governments on virtual platform.

## 19.0 PUBLIC RELATION

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 many 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 2020, a press conference was organized on virtual platform on 4<sup>th</sup> December, 2020. Major media groups participated 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 'Fertilizer and Agriculture during COVID-19' was explained to the media. The production, imports and sales of fertilizers were up and it was a matter of satisfaction that fertilizer is the only sector which showed a positive growth during the prevailing difficult times of COVID-19, out of the eight core sectors of the economy. Agriculture had also done well.

19.4 The press conference highlighted the issue of persistent payment crisis faced by the industry due to inadequate budget allocation. At the same time, it was also acknowledged that the release of budget allocation during the year had been consistently higher than the permitted quarterly limit of 20% imposed by Finance Ministry in view of COVID-19 Pandemic. It was further stated that the additional allocation of Rs.65,000 crore under Atmanirbhar Bharat will enable the clearance of most of the pending subsidy dues of the past and make subsidy payment almost up to date.

19.5 Among policy issues, the conference highlighted the pending issues of urea sector like non-payment of increased fixed cost as per Modified NPS-III policy approved on March 30, 2020, minimum fixed cost, need for further increase in fixed cost beyond what has been approved under Modified NPS-III policy and energy norms including incentives for coal using units. Among issues of P & K sector, the need for exemption from customs duty on raw materials like phosphoric acid, ammonia, rock phosphate, sulphur and sulphuric acid were stated. Similarly, the issue of blockage of funds under GST laws due to inverted duty structure and non-refund of GST on input services was highlighted. The need for improving the competitiveness of domestic production of P & K fertilizers compared to imports was also emphasized. The queries raised by the media personnel were suitably replied. The Seminar proceedings were covered by national and regional dailies, business and economic newspapers, All India Radio, Delhi Doordarshan etc.

19.6 An informative article titled 'Agriculture Sector: Central to Revival of Pandemic – hit Indian Economy' authored by Mr. K.S. Raju, Chairman, FAI was published in Delhi edition of the Financial Express; Delhi and all editions of HT Mint on 7<sup>th</sup> December, 2020.

19.7 During 2020-21 four special issues of Indian Journal of Fertilisers were brought out related to agriculture, technology, marketing and Annual Seminar. January 2021 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 2021 issue of Khad Patrika. Fertiliser Marketing News published articles related to marketing and logistics. It also covered resume of Annual Seminar in January 2020 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 fertilizer industry and agriculture. These awards were given to two eminent personalities every year since its inception. In addition to publicizing the Awards to those working in fertilizer and agriculture sectors, an advertisement inviting nominations was published in all editions of Financial Express on 7<sup>th</sup> September, 2020 for wider publicity. Mr. Luc M. Maene, Ex-Director General, International Fertilizer Association received the U.S. Awasthi IFFCO Award for his outstanding contribution in development of fertilizer industry across the globe. Professor Punjab Singh, Ex-Director General, ICAR, won the U.S. Awasthi IFFCO Award for life time achievement in the field of Agricultural Research and Development.

### 21.0 FAI PUBLICATIONS

#### 21.1 Annual Review of Fertiliser Production and Consumption 2019-20

21.1.1 *Annual Review of Fertiliser Production and Consumption 2019-20* published in October 2020 presented a detailed review of fertilizer policy in the preceding year, production performance, state-wise analysis of fertilizer consumption and agricultural development programmes undertaken up by central government, state governments and fertilizer industry in 2019-20 and also presented outlook of fertilizer availability and expected consumption for 2020-21.

## 21.2 Fertiliser Statistics – 2019-20

21.2.1 *Fertiliser Statistics* is a valuable repository of fertilizer, agriculture and allied statistics. The 65<sup>th</sup> Edition of *Fertiliser Statistics 2019-20* published in November 2020 is divided into 3 parts. First part contains details of capacity, production, import, despatches/sales, consumption, prices, taxes on fertilizers and raw materials in India. Second part deals with Indian agricultural and allied statistics. Third part gives world fertilizer and agricultural statistics. The publication also gives in a nutshell the developments in fertilizer policy in India.

## 21.3 Specialty Fertilizer and Micronutrient Statistics – 2019-20

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 fertilization, besides existing fertilizer products, a number of new efficient fertilizer products have emerged in the market in recent years. These include, water soluble fertilizers, customized fertilizers, fertilizers fortified with micro-nutrients, etc. *Specialty Fertilizer and Micronutrient Statistics – 2019-20*, the 9<sup>th</sup> Edition published in December 2020 covers the details of capacity, production, import, sale, and other related information about these products.

## 21.4 Biofertilizer Statistics – 2019-20

22.4.1 Biofertilizers are important supplement to chemical fertilizers which help in augmenting crop production by enriching the soil fertility, soil enzymes and soil microbial population. *Biofertilizer Statistics – 2019-20*, the 12<sup>th</sup> Edition published in December 2020 covers comprehensive data on capacity, production, dispatches, specifications of biofertilizers 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	2021	2020
Active	40	41
Associate	191	190
Overseas Associate	23	28
Technical & Professional Associate	399	520
<b>Total</b>	<b>653</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 397<sup>th</sup> meeting held on 28<sup>th</sup> August, 2020 the Board of Directors approved the rates of subscription for Active Members for the year 2020-21 which are the same rates applicable since 2013-14. The rates are as under:

### Ceiling – Based on the Nutrient sold

Category*	Rupees in Lakh
Sales up to 25000 te	0.63
Sales > 25,000 te but < 50,000 te	1.25
Sales > 50,000 te but < 1,50,000 te	2.50
Sales > 1,50,000 te but < 3,00,000 te	4.37
Sales > 3,00,000 te but < 5,00,000 te	6.25
Sales > 5,00,000 te but < 10,00,000 te	8.75
Sales > 10,00,000 te but < 15,00,000 te	11.25
Sales > 15,00,000 te but < 20,00,000 te	13.75
Sales > 20,00,000 te but < 25,00,000 te	17.50
Sales > 25,00,000 te	25.00

\*Category is determined based on domestic production plus imports of nutrients sold except imported urea.

22.2.2 The members approved the rates of annual subscription as given under for the following categories of Associate Members for the year 2020-21 in the 64<sup>th</sup> Annual General Meeting held on the 25<sup>th</sup> September, 2019:

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 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 28<sup>th</sup> September, 2020, were re-appointed as Directors:



i) Mr. Anil Kapoor, (DIN: 00032299) representative of M/s Chambal Fertilisers and Chemicals Limited (CFCL), was appointed to represent the interests of nitrogenous and complex fertilizer manufacturers.

ii) Mr. Sameer Goel, (DIN: 07298938) representative of M/s Coromandel International Limited (CIL), was appointed to represent the interests of nitrogenous and complex fertilizer manufacturers.

iii) Mr. Rakesh Kapur, (DIN: 00007230) representative of M/s Indian Farmers Fertiliser cooperative Limited (IFFCO), was appointed to represent the interests of nitrogenous and complex fertilizer manufacturers.

iv) Mr. S.R.Ramakrishnan, (DIN: 00120126) representative of M/s Southern Petrochemical Industries Corporation Limited, (SPIC), was appointed to represent the interests of nitrogenous and complex fertilizer manufacturers.

v) Mr. K.S.Raju, (DIN: 00008177) representative of M/s Nagarjuna Fertilizers and Chemicals Limited (NFCL), was appointed to represent the interests of nitrogenous and complex fertilizer manufacturers.

vi) Mr. S.C. Mehta, (DIN: 00128204) representative of M/s Smartchem Technologies Limited (STL) was appointed 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), was appointed to represent the interests of nitrogenous and complex fertilizer manufacturers.

23.2 The following Casual/Additional Directors were also appointed at the Annual General Meeting held on 28<sup>th</sup> September, 2020 against the existing vacancies:

i) Mr. Alok Gaur, (DIN: 00112520) representing M/s Kanpur Fertilizers and Chemicals Limited (KFCL), was appointed to represent the interest of nitrogenous and complex fertilizer manufacturers.

ii) Mr. Arvind Agarwal, (DIN: 00122921) representing M/s Gujarat State Fertilizers & Chemicals Limited (GSFC), was appointed to represent the interest of nitrogenous and complex fertilizer manufacturers.

iii) Mr. S.C. Mudgerikar, (DIN:03498837) representing M/s Rashtriya Chemicals & Fertilizers Limited (RCF), was appointed to represent the interest of nitrogenous and complex fertilizer manufacturers.

iv) Mr. Virendra Nath Datt, (DIN: 07823778) representing M/s National Fertilizers Limited (NFL), was appointed as a Director to represent the interest of nitrogenous and complex fertilizer manufacturers.

v) Mr. Rajan Chowdhry, (DIN: 2199935) representing M/s Krishak Bharati Cooperative Limited (KRIBHCO), was appointed to represent the interest of nitrogenous and complex fertilizer manufacturers.

vi) Mr. Ashim Kumar Ghosh, (DIN: 08222413) representing M/s Brahmaputra Valley Fertilizer Corporation Limited (BVFCL), was appointed to represent the interest of nitrogenous and complex fertilizer manufacturers.

vii) Mr. K. Prabhakar Rao, (DIN: 00898513) representing M/s Mangalore Chemicals & Fertilizers Limited (MCFL), was appointed to represent the interest of nitrogenous and complex fertiliser manufacturers.

viii) Mr. Pankaj Joshi, (DIN 01532892) representing M/s Gujarat Narmada Valley Fertilizers and 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. S P Yadav w.e.f. 14<sup>th</sup> April, 2020
2. Mr. Manoj Mishra w.e.f. 2<sup>nd</sup> June, 2020
3. Mr. A K Jain w.e.f. 13<sup>th</sup> June, 2020
4. Mr. M S Dagar w.e.f. 16<sup>th</sup> July, 2020
5. Mr. Arvind Agarwal, w.e.f. 6<sup>th</sup> December, 2020

23.4 To fill up the vacancies, the following were appointed.

1. Mr. Arvind Agarwal, w.e.f. 19<sup>th</sup> June, 2020
2. Mr. Alok Gaur, w.e.f. 19<sup>th</sup> June, 2020
3. Mr. Rajan Chowdhry w.e.f. 19<sup>th</sup> June, 2020
4. Mr.Virendra Nath Datt w.e.f. 19<sup>th</sup> June, 2020
5. Mr. K Prabhakar Rao w.e.f. 28<sup>th</sup> August, 2020

23.5 In terms of Section 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.44,25,190/- for the year ended the 31<sup>st</sup> March, 2021.

**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 46 at the end of the financial year 2020-2021.

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.

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

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



## 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 12<sup>th</sup> October, 2020 to the Hon'ble Minister of Chemicals & Fertilizers, Government of India regarding issues such as payment of subsidy, energy norms, minimum fixed cost and payment of increased fixed cost as per Modified NPS-III policy. The issue of non-generation of freight claims for urea and P&K fertilizers from April, 2020 was also raised. Similar letters were addressed to the Hon'ble Minister of State for Chemicals & Fertilizers and the Secretary (Fertilizers).

1.1.2 DG, FAI made a presentation on 'Major Issues of Fertilizer Sector' before the Hon'ble Minister of State for Chemicals & Fertilizers and Ports, Shipping and Waterways (Independent Charge), Government of India on 6<sup>th</sup> November, 2020.

1.1.3 DG, FAI made a presentation on 'Fertilizer Sector in India' before the Secretary (Fertilizers) on 5<sup>th</sup> February, 2021 covering issues of the fertilizer sector.

##### 1.2 Issues of Urea Industry

1.2.1 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 also for production of urea beyond RAC and for further revision in fixed cost.

1.2.2 FAI in its 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 beyond 2008-09.

1.2.3 DG, FAI in his 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 fertilizer manufacturing, which was being contemplated, so as to ensure supply security of fertilizers and viability of domestic fertilizer industry.

1.2.4 FAI in its letter dated 5<sup>th</sup> June, 2020 requested the Secretary (Fertilizers) to activate the bill generation module in iFMS so that urea units can generate bills for revised fixed cost as per Modified NPS-III Policy for both productions up to RAC and beyond RAC. This was followed up with another letter dated 20<sup>th</sup> August, 2020

to the Secretary (Fertilizers).

1.2.5 On 9<sup>th</sup> July, 2020, DG, FAI made a presentation on 'Minimum Fixed Cost' before the Hon'ble Minister of State for Chemicals & Fertilizers and Minister of State for Shipping (Independent Charge), Government of India.

1.2.6 FAI letter dated 6<sup>th</sup> August, 2020 addressed to Secretary (Fertilizers) once again underlined the issue of delayed payment of subsidy and repeated mopping up of energy efficiency. It was pleaded that the payment of subsidy be streamlined and energy norms for 2018 may be deferred at least till the norms for payment of subsidy within a week is adhered to.

1.2.7 Amid tight liquidity position of some units, application of FIFO (first in first out) principle with certain cutoff date adopted by DOF, might result in further delaying the payment to some urea units on technical grounds, as they could not generate claims by the cutoff date. FAI vide its letter dated 17<sup>th</sup> August, 2020 requested the DOF to consider accommodating these units for monthly payment to avoid loss of production of urea from these units.

1.2.8 In view of persistent delay in payment of subsidy and repeated mopping of the energy efficiency, the Chairman-FAI appealed to the Hon'ble Minister of Chemicals and Fertilizers vide letter dated 21<sup>st</sup> September, 2020 for his kind intervention. It was requested for considering implementation of payment norms of within a week and implementation of 2018 energy norms together.

1.2.9 FAI letter dated 29<sup>th</sup> September, 2020 brought out the difficulties faced by naphtha based plants due to stringent norms, in spite of these units having invested huge amounts for conversion to gas. The letter requested that the 2015 energy norms for these units be extended till 30<sup>th</sup> September, 2020, as allowed for other 14 gas based units. It also requested for reimbursement of actual cost of naphtha / FO supplied by PSU units.

1.2.10 FAI wrote a letter dated 16<sup>th</sup> November, 2020 to the Secretary (Fertilizers) requesting therein for enabling iFMS system to allow raising bills for revised fixed cost and running freight cost.

##### 1.3 Issues of P&K Fertilizer Industry

1.3.1 DG, FAI in his letter dated 23<sup>rd</sup> June, 2020 requested the Hon'ble Minister of Chemicals and

Fertilizers for his kind intervention in modification of formula for reasonableness to ensure 12% return on sales of P&K fertilizers. It was further requested to withdraw the recovery orders issued to some companies in this regard.

1.3.2 As follow up, FAI letter dated 19<sup>th</sup> October, 2020 addressed to the Hon'ble Minister of Chemicals & Fertilizers again emphasized the need for amendment in formula for computing reasonableness of MRP in view of recovery notices to some companies on account of unreasonableness of MRP of P&K fertilizers. Similar letters were sent to the Hon'ble Minister of State for Chemicals & Fertilizers, the Secretary (Fertilizers) and also to the Additional Secretary & Financial Advisor, Department of Fertilizers who was also the Chairperson of the Committee to review provisions of reasonableness guidelines.

1.3.3 FAI again addressed a letter dated 21<sup>st</sup> October, 2021 to Additional Secretary & Financial Advisor on the subject of treatment of VAT/GST in determination of reasonable margin of 12% on value of sales of P & K fertilizers. The letter sought appointment for a meeting with FAI delegation. Similar letters were also sent to the Secretary (Fertilizers) and the Joint Secretary, Department of Fertilizers.

1.3.4 DG, FAI vide letter dated 29<sup>th</sup> September, 2020 addressed to Secretary, Ministry of Agriculture & Farmers' Welfare informed the action taken by the FAI subsequent to meeting with him on the quality issues of SSP.

1.3.5 DG, FAI vide letter dated 20<sup>th</sup> April, 2020 requested the Secretary (Fertilizers) that the requirement of testing of Egyptian Rock Phosphate may kindly be waived for the period March to June 2020.

#### 1.4 Other Policy Related Issues

1.4.1 DG, FAI vide email dated 27<sup>th</sup> April, 2020, requested the Secretary (Fertilizers) to dispense with the requirement of physical documents and allow the companies to submit the freight bills online to the Department in line with DBT claims.

1.4.2 DG, FAI vide letter dated 27<sup>th</sup> July, 2020 requested the Secretary (Fertilizers) for his intervention for early payments of freight subsidy and decisions in respect of large number of issues pending related to freight. It was followed up with letter dated 20<sup>th</sup> January, 2021 to the Secretary (Fertilizers) for redressal of the long pending freight related issues.

1.4.3 DG, FAI vide letter dated 28<sup>th</sup> July, 2020 requested the Secretary (Fertilizers) that the fertilizer companies

should be reimbursed the additional under-charge recovery raised by the Railways from November 2018 to February 2020 as per the Uniform Freight Policy.

1.4.4 DG, FAI vide letter dated 27<sup>th</sup> May, 2020 addressed to Secretary (Fertilizers) requested to extend the validity dates of primary lead distances which had already expired or were about to expire to ensure uninterrupted generation of freight subsidy claims in the integrated fertilizer management system.

1.4.5 DG, FAI vide letter dated 26<sup>th</sup> February, 2021 requested the Secretary (Fertilizers) to allow the process of approval of new lead distances manually till the system go live, so that companies can generate their respective freight claim time.

1.4.6 DG, FAI vide letter dated 29<sup>th</sup> January, 2021 requested the Secretary (Fertilizers), to extend the time limit of updating the new software version 3.1 in the POS machines with the retailers up to 31<sup>st</sup> March, 2021.

1.4.7 DG, FAI vide letter dated 29<sup>th</sup> January, 2021 addressed to Secretary (Fertilizers) requested to lay down clear instructions regarding limit on purchase of fertilizers by the farmers as the district administrations in some of the states were further directing the retailers to sell only 3 -10 bags of fertilizers to a farmer in single transaction.

1.4.8 DG, FAI vide mail dated 17<sup>th</sup> May, 2020 requested the Secretary (Fertilizers) to extend the interim procedure for sale of subsidized fertilizers to the customized/ mixture fertilizer manufacturing units before the due date of 22<sup>nd</sup> May, 2020. FAI again wrote a letter dated 25<sup>th</sup> September, 2020 requesting therein the Secretary (Fertilizers) to extend the interim procedure by 6 months.

1.4.8.1 In view of order of Hon'ble High Court of Kerala in the matter and as the policy was not in place, DG, FAI vide letter dated 15<sup>th</sup> January, 2021 again requested the Secretary (Fertilizers) for his intervention in making the raw materials (subsidized fertilizers) available to customized/ mixture units.

1.4.9 DG, FAI wrote a letter on 15<sup>th</sup> March, 2021 to the Secretary (Fertilizers), requesting therein to review the reasonability of hike in professional fee of PDIL/FEDO for random sampling of Egyptian Rock Phosphate.

#### 1.5 Production and Movement of Fertilizers during Lockdown

1.5.1 DG, FAI vide an email dated 7<sup>th</sup> April, 2020 requested the Secretary (Fertilizers) to extend the limit of primary movement by road beyond 500 km for the next six months due to problem of availability of labour both at

loading and unloading points hindering the movement by rail. It was followed by emails dated 13<sup>th</sup> April, 2020 and giving the quantities of fertilizers to be moved by road beyond 500 km if relaxation is permitted and 25<sup>th</sup> April, 2020.

1.5.2 DG, FAI vide email dated 20<sup>th</sup> April, 2020 requested the Secretary (Fertilizers) to allow the companies to move the material in bulk through coastal shipping.

1.5.3 DG, FAI sent an email dated 11<sup>th</sup> May, 2020 to Joint Secretary, DOF, requesting therein that the intervention of central government with the state governments is required not to encourage reverse migration of labour and facilitate movement of labour to work places. It was also requested that Railways should continue to waive demurrage and wharfage charges till situation normalizes.

1.5.3.1 In view of relaxation in free time from 18<sup>th</sup> May to 31<sup>st</sup> May, 2021 and withdrawal of the relaxation by Railways, DG, FAI, vide email dated 16<sup>th</sup> May, 2020 requested the Secretary (Fertilizers) to take up the matter with the Ministry of Railways to extend the period of complete relaxation in the charges of demurrage, wharfage, etc. till the normalization of the situation. This was followed by another letter of DG, FAI dated 17<sup>th</sup> July, 2020 to the Secretary (Fertilizers).

### 1.6 Budget and Payment Related Issues

#### 1.6.1 Pre-Budget Memorandum

1.6.1.1 FAI sent industry's suggestions for Union Budget 2021-22 pertaining to Direct Taxes to the Joint Secretary (TPL-I), CBDT, Ministry of Finance vide letter dated 3<sup>rd</sup> December, 2020. Similar letter was sent to the Secretary (Fertilizers) requesting him for taking up the issues related to direct taxes with the Finance Ministry.

1.6.1.2 FAI's suggestions on customs duty for Union Budget 2021-22 were submitted to the Joint Secretary (TRU-I), CBIC, Department of Revenue vide letter dated 24<sup>th</sup> November, 2020.

1.6.1.3 FAI sent a representation to the Hon'ble Finance Minister on 3<sup>rd</sup> December, 2020 regarding various issues faced by the fertilizer sector under the GST law for her consideration in GST Council, as GST is not a part of Union Budget exercise. It was requested to allow refund of unutilized ITC in respect of both inputs and input services, reduce GST rate on micro-nutrients from 12% to 5%, exempting importers from payment of IGST under reverse charge basis on ocean freight service for CIF contracts and exempting transportation service of fertilizers by road and rail from GST. Similar letter was

sent to the Secretary (Fertilizers) requesting him to take up the matter with the Finance Ministry.

1.6.1.4 DG, FAI sent a letter dated 3<sup>rd</sup> December, 2020 to the Secretary (Fertilizers) requesting for adequate budget allocation for the year 2021-22.

#### 1.6.2 Payment Related Issues

1.6.2.1 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.

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

1.6.2.3 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 fertilizer Category from 'B' to Category 'A' under the Cash Management Guidelines of the Central Government and thus remove quarterly restriction of 20% in release of annual budget. 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 against supply of gas to 6 months.

1.6.2.4 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 has not requested for additional allocation for urea. It also underlined the need for increasing the allocation for urea payment which remained pending for long time. Similar letter was also addressed to the Hon'ble Minister of State for Chemicals & Fertilizers.

1.6.2.5 As a follow up to letters to the Hon'ble Ministers of 6<sup>th</sup> July, 2020, FAI wrote to Secretary (Fertilizers) on 20<sup>th</sup> July, 2020, requesting him to resolve the payment crisis faced by the industry.

1.6.2.6 FAI sent a letter to the Secretary, Department of Financial Services, Ministry of Finance on 19<sup>th</sup> January, 2021 regarding clarification on entitlement for Emergency Credit Line Guarantee Scheme (ECLGS) to Fertilizer Sector classified as sub-sector of Chemicals as part of Manufacture of Chemicals & Chemical Products

under the National Industrial Classification 2008 (NIC-2008). A copy of the similar letter was sent to Secretary (Fertilizers) requesting him for taking the matter with the Finance Ministry.

1.6.2.7 DG, FAI sent a letter dated 9<sup>th</sup> March, 2021 to the Secretary (Fertilizers) requesting for payment of differential subsidy on urea production beyond RAC on account of revision in lowest per MT fixed cost of all the indigenous urea units due to implementation of Modified NPS-III policy approved in the March, 2020.

1.6.2.8 DG, FAI wrote a letter dated 12<sup>th</sup> March, 2021 to the Secretary (Fertilizers) regarding need for ad hoc increase in concession rates to cover sharp increase in pool price of gas for the urea sector in recent months.

1.6.2.9 DG, FAI wrote a letter dated 24<sup>th</sup> March, 2021 to the Secretary (Fertilizers) on the immediate issues of fertilizer industry as a follow up of earlier letters. It was requested to facilitate bill generation by the industry and payment of pending subsidy and freight bills by DOF before 31<sup>st</sup> March, 2021 to utilize the funds available for the 2020-21.

### 1.6 Taxation Issues

Apart from part of pre-budget memorandum which takes up taxation issues comprehensively, the following letters on taxation issues were also sent during the year 2020-21.

1.7.1 DG, FAI made a presentation on Indirect Tax Structure for Fertilizer Sector (In context of Standing Committee of Parliament on Chemicals & Fertilizers) before the DOF on 3<sup>rd</sup> November, 2020.

1.7.2 DG, FAI vide letter dated 26<sup>th</sup> February, 2021 requested the Hon'ble Finance Minister to exempt customs duty on import of raw materials viz., ammonia, phosphoric acid, rock phosphate, sulphur and sulphuric acid. In addition, it was also urged to exempt customs duty on import of urea and MOP used as raw material for manufacture of other grades of fertilizers. Similar letter was also sent to the Secretary (Fertilizers) requesting him to take up the issue with the Finance Ministry.

1.7.3 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, as these were exempted under erstwhile service tax, from the payment of GST and amend the Reverse Charge Notification to exempt importers from payment of IGST on ocean freight on imports based on CIF basis. 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.

### 2.0 ISSUES RELATED TO ENERGY CONSERVATION

2.1 FAI represented vide letter dated 1<sup>st</sup> February, 2021 to DG, BEE to exempt fertilizer sector from PAT Scheme as energy consumption norms are already fixed under urea pricing policy. Moreover, there was limited scope for further energy saving in urea plants and energy consumption of complex fertilizers is very small. A letter was also written to the Secretary (Fertilizers) on 9<sup>th</sup> March, 2021 requesting to take up the matter suitably with the Ministry of Power.

### 3.0 ISSUES RELATED TO SUPPLY OF NATURAL GAS

3.1 RIL invited bids for second tranche of natural gas from KG D6 deep water fields. FAI vide letter dated 13<sup>th</sup> January, 2021 requested the Secretary (Fertilizers) to take up with MOPNG to make the bidding conditions reasonable and nominate GAIL to bid on behalf of fertilizer companies.

3.2 FAI sent its comments on the Petroleum and Natural Gas Regulatory Board (PNGRB) notice on 27<sup>th</sup> July, 2020 on unified tariff. FAI expressed apprehension that unified tariff regime might increase the tariff for existing consumers.

3.3 FAI vide letter dated 20<sup>th</sup> October, 2020 to the Secretary, PNGRB highlighted that the proposed tariff regime will impact the fertilizer industry negatively to the tune of Rs. 400 crore per annum, if Zone 2 tariff is fixed at 35% of Zone 1. This will increase subsidy on urea. A letter was also sent to the Secretary (Fertilizers) on the same day requesting to take up matter suitably with the PNGRB.

3.4 FAI further apprised the PNGRB on the adverse impact of unified tariff for existing fertilizer units through a letters dated 27<sup>th</sup> October, 2020 and 13<sup>th</sup> November, 2020. It was highlighted that revised tariff would make production beyond reassessed capacity for urea plants unviable.

3.5 FAI sent a letter again on 23<sup>rd</sup> November, 2020 to the PNGRB showing the adverse impact of increased tariff on production of urea including beyond reassessed capacity for most of the existing fertilizer plants and requested to continue the existing tariff system.

3.6 FAI vide letter dated 23<sup>rd</sup> November, 2020 apprised

the Secretary (Fertilizers) regarding adverse impact of proposed tariff and requested his intervention with PNGRB not to bring the new tariff regime.

#### 4.0 ISSUES RELATED TO ENVIRONMENT

4.1 FAI sent a letter dated 21<sup>st</sup> July, 2020 to the Secretary, Ministry of Environment, Forest and Climate Change (MOEFCC) requesting to advise the CPCB to defer the registration process under Plastic Waste Management Rules till the Guideline Document on Uniform Framework for Extended Producer Responsibility is finalized. Similar letter was sent to the Chairman, CPCB.

4.2 FAI sent its comments to the MOEFCC on 31<sup>st</sup> July, 2020 on Draft Guideline Document on Uniform Framework for Extended Producer Responsibility under Plastic Waste Management Rules.

4.3 FAI sent its comments on Provisions of Poison Act 1919 and its ease of implementation to the Director, Department of Chemicals and Petrochemicals, Ministry of Chemicals & Fertilizers on 26<sup>th</sup> April, 2021

#### 5.0 ISSUES RELATED TO FCO

5.1 DG, 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, farmer's preference and cost considerations.

5.2 DG, FAI wrote a letter to Chairman, CFC on 8<sup>th</sup> June, 2020 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.

5.3 DG, wrote a letter to the Secretary (Fertilizers) on 11<sup>th</sup> January, 2021 to include new complex fertilizers, 8:21:21 with Mg, S, Zn, B and NPK 9:24:24 with Mg, S, Z, B in the NBS Scheme. Similar letter was also sent to the DDG (NRM), ICAR, New Delhi and the Joint Secretary (INM), DAC&FW to put up the matter before the IMC.

#### 6.0 Regional Issues

6.1 FAI-WR wrote a letter on 31<sup>st</sup> December 2020 to the Director of Agriculture, Government of Maharashtra on various issues related to sale of fertilizers in the state such as non-usage of POS machines by some retail dealers thereby showing more stocks in the POS machines than the physical stock available, and stocks held by state institutional agencies like Cooperative Marketing Federations. It was also requested for early certification of B<sub>1</sub> and B<sub>2</sub> proforma.

6.2 Vide letter dated 11<sup>th</sup> March, 2021, FAI-ER to the Director of Agriculture and Ex-Office Secretary, Government of West Bengal highlighted various issues related to sale of fertilizers in the state inclusive of sale of fertilizers by the retailers without POS machines and requested for immediate action to avoid any inordinate delay in subsidy claims by the fertilizer industry.



## SEMINAR HIGHLIGHTS





## SEMINAR HIGHLIGHTS



## SEMINAR HIGHLIGHTS



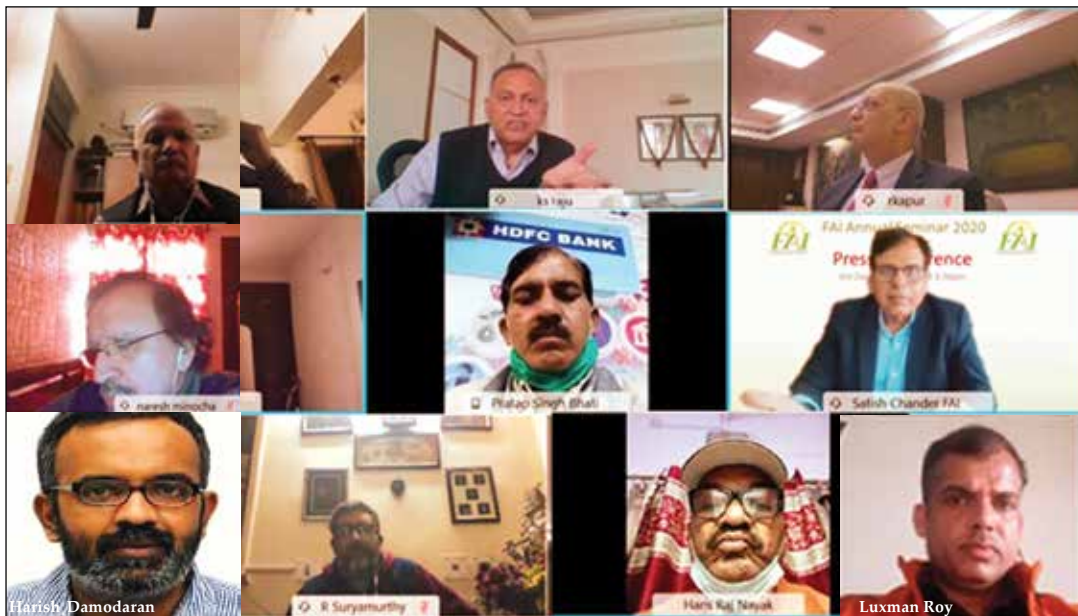
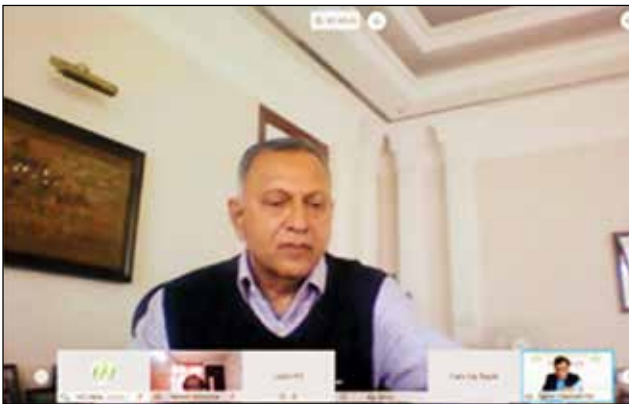
## SEMINAR HIGHLIGHTS



## SEMINAR HIGHLIGHTS



## PRESS CONFERENCE



## APPENDIX II

### FAI REPRESENTATION ON NATIONAL AND INTERNATIONAL BODIES

1. International Fertilizer Association (IFA), Paris, France
    - a) IFA Council
    - b) Technical & SHE Committee
    - c) Communications & Public Affairs Committee
    - d) Production and International Trade Committee
    - e) Strategic Advisory Team of Technical and SHE Committee
    - f) Method Harmonization Working Group
    - g) Phosphogypsum/Norms Working Group
    - h) Agriculture Committee
    - i) Working Group on Special Products
    - j) Working Group on Fertilizer Demand
    - k) Task Force on NPK Compounds Statistics
  2. FAO/Fertilizer Organizations Working Group, Rome, Italy
  3. Bureau of Indian Standards, GOI, New Delhi
    - a) Standardization Cell
    - b) Environment Protection and Waste Management Sectional Committee (CHD 32)
    - c) Solid Waste Management Sectional Committee (CHD 33)
    - d) Environment Management Sectional Committee (CHD 34)
    - e) Occupational Health and Safety Sectional Committee (CHD 08)
    - f) Water Quality for Industrial Purposes Sectional Committee (CHD 13)
    - g) Energy Management Sectional Committee (MED 39)
    - h) Air Quality Sectional Committee (CHD 35)
    - i) Environmental Services Sectional Committee (SSD 07)
    - j) Soil Quality and Fertilizers Sectional Committee, FAD 7
    - k) Biotechnology for Food and Agriculture Sectional Committee, FAD 23
    - l) Textile Materials Made from Polyolefins (Excluding Cordage) Sectional Committee TX 23
  4. Sectoral Committee & Sub-Committee on Fertilizer for Implementation of PAT in Fertilizer Sector of Bureau of Energy Efficiency, Ministry of Power, GOI, New Delhi
  5. Central Pollution Control Board - Taskforce and Technical Working Groups, New Delhi
  6. Project Screening /Evaluation/Monitoring Committee of Technology Development Board, New Delhi
  7. Working Group to look into various aspects of Green Ammonia Production and Utilization, Ministry of New and Renewable Energy, New Delhi
  8. Working Group on Circular Economy in Phosphogypsum, Department for Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, New Delhi
  9. Various Expert Groups and Committees of Department of Fertilizers, Ministry of Chemicals and Fertilizers, New Delhi
  10. Multi-Disciplinary Committee on Beneficiated Rock Phosphate, Department of Fertilizers, New Delhi
  11. Central Fertilizer Committee and its Technical Committees, Ministry of Agriculture and Farmers Welfare, New Delhi
  12. Society for Promotion of Wasteland Development, New Delhi
  13. The Society for Conservation of Nature, New Delhi
  14. Steering Committee of Indo-Canadian Potash Promotion Project, New Delhi
  15. Scientific Advisory Committee – TERI Deakin Nano Biotechnology Centre, Gurugram, Haryana
  16. Railway Users' Consultative Committee of Eastern, Northern, Western and Southern Railways
  17. Fertilizer Advisory Committee and State Coordination Committee of Various States
- Working Groups for Chintan Shivir – Fertilizing the Future**
- a) Working Group-I on Rationalization of Logistics for Fertilizer Movement
  - b) Working Group-II on Promotion of New/ Alternative Fertilizers
  - c) Working Group-III on Administrative and Legal Reforms in Fertilizer Sector
  - d) Working Group-IV on Promoting Balanced and Sustainable Use of Chemical Fertilizers and Reduce Diversion of Urea
  - e) Working Group-V on Direct Benefit Transfer to Farmer (Direct Fertilizer Subsidy to farmers account instead of an industry)



## 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 o '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 *khari*f 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 *khari*f 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

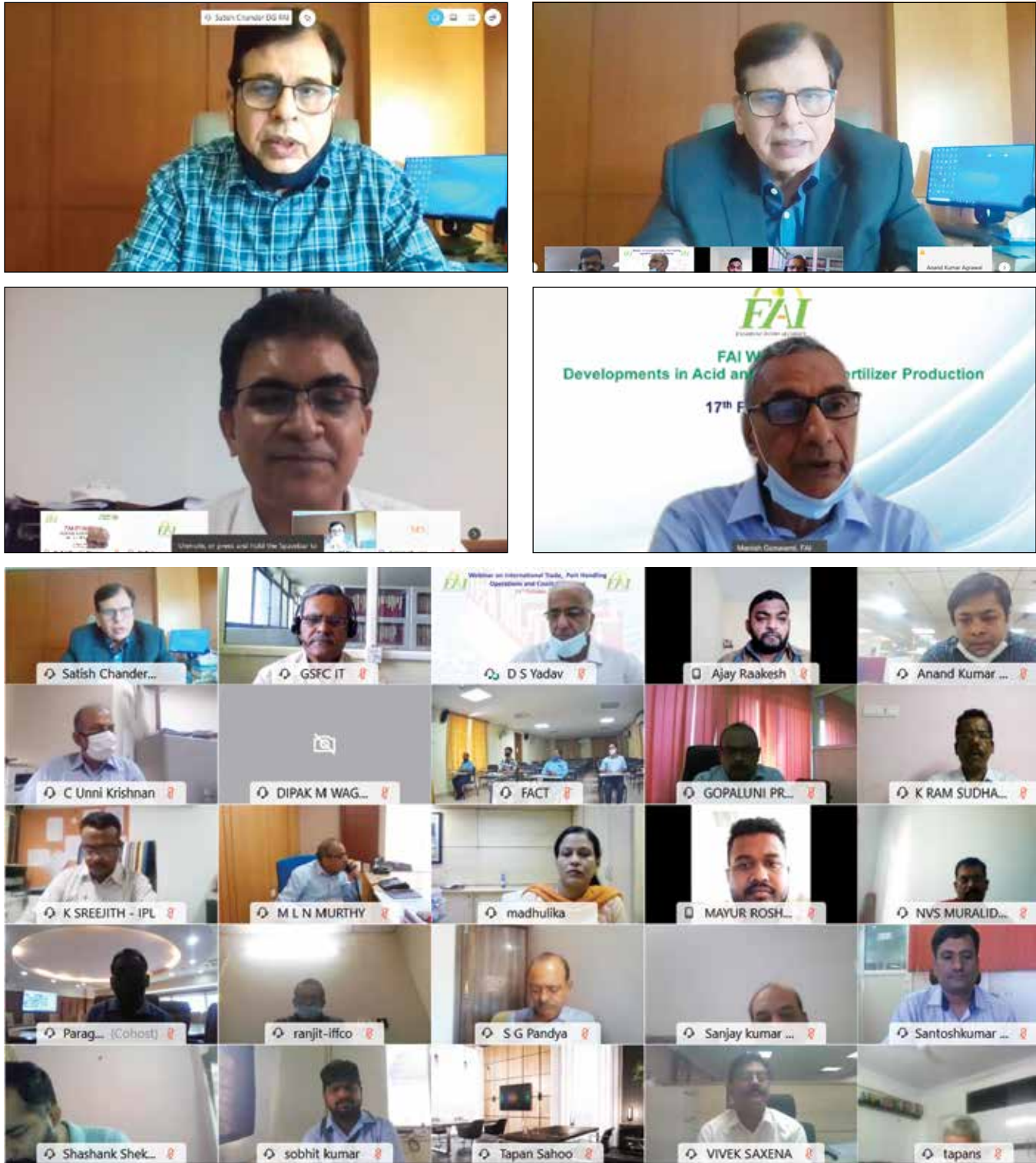
### TRAINING PROGRAMMES/ORIENTATION COURSES HELD DURING 2020-21

S. No.	Name of the programme	Period	Virtual or Name of the City	No. of Participants	Inaugurated by
<b>CORPORATE OFFICE</b>					
1.	Developments in Fertilizer Industry	18 August 2020	Virtual	30	Mr. Satish Chander Director General, FAI, New Delhi
2.	FAI-IPI Webinar on Water Soluble Fertilizers in India	23 September 2020	Virtual	100	Dr. S.K. Malhotra Agriculture Commissioner Government of India
3.	Developments in Environment Management in Fertilizer Plants	29 September 2020	Virtual	71	Mr. Satish Chander Director General, FAI, New Delhi
4.	International Trade, Port Handling Operations and Coastal Shipping	23 October 2020	Virtual	72	Mr. Satish Chander Director General, FAI, New Delhi
5.	Developments in Acids and Complex Fertilizer Production	17 February 2021	Virtual	40	Dr. S. Nand Deputy Director General, FAI, New Delhi
6.	Key Areas of Fertilizer Sector	8 March 2021	Virtual	202	Mr. Satish Chander Director General, FAI, New Delhi
<b>NORTHERN REGION</b>					
1.	An Overview of Fertilizer Sector – Recent Developments	17 September 2020	Virtual	58	Mr. Satish Chander Director General, FAI, New Delhi
2.	Challenges and Strategies for Fertilizer Industry	16-19 March 2021	Jim Corbett	38	Mr. Sanjiv Kanwar Managing Director Yara Fertilisers India Private Limited, Gurugram
<b>EASTERN REGION</b>					
1.	Sustaining Rice Productivity in Eastern Region under Abiotic Stress Environment	19 October 2020	Virtual	60	Mr. Satish Chander Director General, FAI, New Delhi
2.	Specialty Fertilisers and their Use to Improve Soil Health and Farm Income	24 February 2021	Virtual	40	Mr. Ashvini Hiran CEO & Managing Director Indorama India Private Ltd., Kolkata

S. No.	Name of the programme	Period	Virtual or Name of the City	No. of Participants	Inaugurated by
<b>SOUTHERN AND WESTERN REGIONS</b>					
1.	Innovations in Nutrient Management	22 December 2020	Virtual	63	Mr. Satish Chander Director General, FAI, New Delhi
2.	Stress Management in Crops for Food and Nutritional Security – Role of Fertilizer Policy Way Forward	21 January 2021	Virtual	65	Mr. Satish Chander Director General FAI, New Delhi
3.	The Fertiliser (Inorganic, Organic or Mixed) (Control) Order, 1985 with special reference to Organic and Bio-Fertilisers	23 February 2021	Virtual	63	Mrs. A. Neeraja Joint Secretary (INM) Ministry of Agriculture and Farmers Welfare, New Delhi
<b>SOUTHERN REGION</b>					
1.	Fertilizer Orientation Course	26 March 2021	Tadipatri	113	Dr. M.L.N. Reddy Associate Dean Agricultural College Tadipatri
2.	Role of Fertigation in Sustaining Soil Health through Balanced Use of Nutrients for Fertilizer Dealers and Front Line Extension Officials	27 March 2021	Anantapur	69	Dr. B.S. Subbarayudu Project Director Andhra Pradesh Micro- Irrigation Project Anantapur

• • • • •

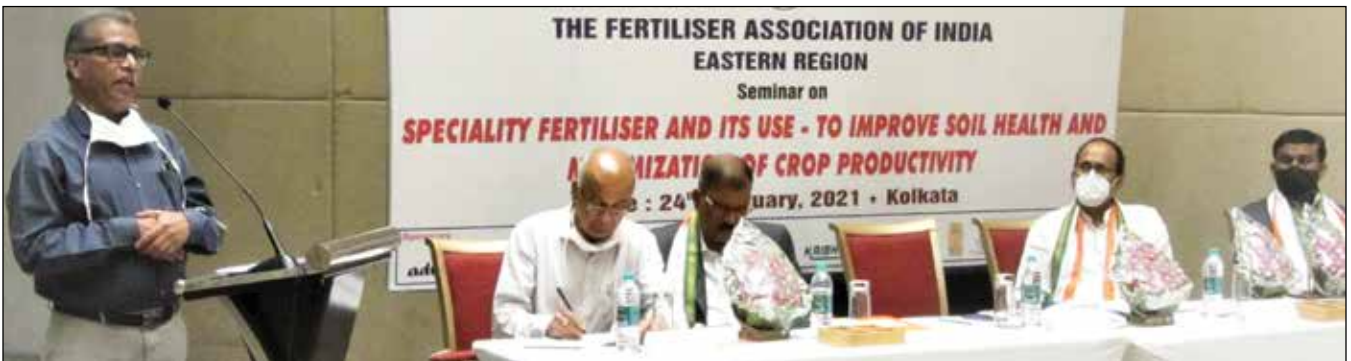
## ACTIVITIES - CORPORATE OFFICE



## ACTIVITIES - CORPORATE OFFICE



## ACTIVITIES - REGIONAL OFFICE



## ACTIVITIES - INDUSTRY





## APPENDIX V

### FAI AWARDS FOR 2020

#### I. FAI GOLDEN JUBILEE AWARDS

##### 1. BEST PRODUCTION PERFORMANCE

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

*Winner*

Indian Farmers Fertiliser Cooperative Limited, Aonla-I

*Runner-Up*

Indian Farmers Fertiliser Cooperative Limited, Phulpur-II

###### B. Complex (P<sub>2</sub>O<sub>5</sub>) Fertilizer Plants

*Winner*

Rashtriya Chemicals & Fertilizers Limited, Trombay

###### C. Improvement in Overall Performance of a Company

*Winner*

Kribhco Fertilizers Limited, Shahjahanpur

##### 2. BEST TECHNICAL INNOVATION

*Winner*

Indian Farmers Fertiliser Cooperative Limited, Aonla-I for the innovation on **Replacement of existing Carbamate Condenser with new HP Carbamate Condenser with Modified Design.**

##### 3. EXCELLENCE IN SAFETY

*Winner*

Rashtriya Chemicals & Fertilizers Limited, Thal

*Runner-Up*

Indian Farmers Fertiliser Cooperative Limited, Paradeep

##### 4. ENVIRONMENT PROTECTION

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

*Winner*

Chambal Fertilisers and Chemicals Limited, Gadepan

*Runner-Up*

Krishak Bharati Cooperative Limited, Surat

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

*Special Award*

Indian Farmers Fertiliser Cooperative Limited, Paradeep

*Winner*

Paradeep Phosphates Limited, Paradeep

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

*Joint Winners*

Indorama India Private Limited, Haldia  
and

Indian Farmers Fertiliser Cooperative Limited, Kandla

###### D. Single Super Phosphate Plants

*Winner*

Indorama India Private Limited, Haldia

#### II. VIDEO FILM COMPETITION

*Winner*

Coromandel International Limited, Secunderabad for the film on "Between Soil and Sky – The Coromandel Story"

*Special Award*

Krishak Bharati Cooperative Limited, Noida for the film on "उचित मात्रा - अधिक उत्पाद"

#### III. PRODUCTION, PROMOTION AND MARKETING OF BIOFERTILIZERS/ ORGANIC FERTILIZERS/CITY COMPOST

*Winner*

Krishak Bharati Cooperative Limited, Noida

#### IV. INNOVATIVE WORK ON TRANSFER OF IMPROVED FARM TECHNOLOGY

*Special Award*

Indian Farmers Fertiliser Cooperative Limited, New Delhi

*Winner*

Krishak Bharati Cooperative Limited, Noida

#### V. PROMOTION AND MARKETING OF MICRONUTRIENTS IN INDIA

*Winner*

Indian Farmers Fertiliser Cooperative Limited, New Delhi

#### VI. EXCELLENCE FOR THE BEST WORK DONE IN THE FIELD OF PLANT NUTRITION

*Joint Winners*

Dr. K.S. Subramanian, Tamil Nadu Agricultural University, Coimbatore  
and

Dr. Varinderpal-Singh, Dr. Bijay-Singh, Dr. R.K. Gupta and Dr. O.P. Choudhary, Punjab Agricultural University, Ludhiana.

Dr. K.S. Subramanian, Director of Research and NABARD Chair Professor of Tamil Nadu Agricultural University, Coimbatore, has made significant contributions in the niche area of "Nanotechnology Applications in Agricultural Sciences". As the Founder Head of the Department of Nano Science and Technology since 2010, Dr. Subramanian established state-of-the-art facility which currently serves as the referral center for the country. He served as the Convener for the ICAR Nanotechnology Platform and developed research network and assisted in human resource building in Nanoscience. Mobilization of research grants of more than Rs. 25 crore from International and National funding agencies helped Dr. Subramanian in developing innovative technologies namely nano-fertilizers for balanced crop nutrition, nutri-capsule for multi-nutrient delivery to crops, on-site detection of leaf moisture and nitrogen for rationalization of irrigation and fertilizers, nano-formulation and nano-sticker for fruit preservation, biosafety of nano-materials in agri-food system. He is one of the core committee members for the "Development of Regulatory Guidelines for the Use of Nano Agri-Inputs and Products in India". Nano-based smart delivery systems developed by Dr. Subramanian will help in evolution of

environmentally safe processes and products capable of improving the input use efficiency.

Dr. Varinderpal-Singh, Principal Soil Chemist, Dr Bijay-Singh, Dr. R.K. Gupta and Dr. O.P. Choudhary of Punjab Agricultural University, Ludhiana made significant contributions in the development of site-specific and need-based fertilizer nitrogen (N) management practices using the PAU-leaf colour chart (PAU-LCC) in the major field crops of India. The PAU-LCC technology developed by them provides an economical and efficient solution to sustain high crop yields with minimum use of fertilizer nitrogen. They established the norms to read leaf colour language for making fertilizer N recommendations. Adoption of this technology in all the fields of Punjab has a potential of effecting a saving of huge economic benefit of more than Rs. 7.5 billion. Gains accruing from the adoption of PAU-LCC technology in terms of improved quality of food grains, reduced consumption of insecticides/pesticides, prevention of air and water pollution, sustenance of ecosystem services, and conservation of biodiversity cannot be quantified in monetary terms.

## VII. OUTSTANDING DOCTORAL RESEARCH IN FERTILIZER USAGE

*Winner* - Dr. Jagriti Thakur, Department of Soil Science and Water Management, Dr. Yashwant Singh Parmar University of Horticulture and Forestry, Nauni (Solan), Himachal Pradesh.

Dr. Jagriti Thakur did her Ph.D. in Soil Science from Dr. Y.S. Parmar University of Horticulture and Forestry, Solan, Himachal Pradesh on “Standardization of Irrigation and Fertigation Schedules for Apple under High Density Plantation”. Dr Thakur developed optimum irrigation and fertigation schedules for high density apple orchards for sustaining higher productivity and enhancing the growers’ income. She established fertigation schedule comprising of 15 splits of 100% adhoc dose (AD) @ 35:17.5:35 g tree<sup>-1</sup> year<sup>-1</sup> or 70:35:70 kg ha<sup>-1</sup> year<sup>-1</sup> N:P<sub>2</sub>O<sub>5</sub>:K<sub>2</sub>O as optimum prescription for enhanced apple productivity. She worked out the seasonal water requirement of 3 and 4 year old plants of Super Chief variety at 29.94 and 34.95 cm, respectively and reported that it could be met effectively by operating drip system at bi-weekly interval with effect from mid-March to first week of July. Based on sustained experimentation, she concluded that application of water through drip irrigation at 85% of crop evapotranspiration and 75% AD of NPK were the optimum irrigation and fertigation levels, respectively, for drip fertigation with a saving of about 15 and 25% in irrigation water and fertilizers besides effecting a significant improvement in the yield and quality of apple.

## VIII. BEST ARTICLE AWARDS

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

*First Prize*

Mr. Maya Shanker Prasad and Mr. Girish Chandra Yadav, Yara Fertilisers India Private Limited, Babrala for their article “Risk

**Based Inspection - An Approach to Plant Reliability and Integrity”** published in June, 2020 issue of *Indian Journal of Fertilisers*.

*Second Prize*

Mr. S.K. Jindal, National Fertilizers Limited, Nangal for his article “**Implementation of Modification in Urea Rake Loading Slat Conveyors - A Case Study**” published in November 2019 issue of *Indian Journal of Fertilisers*.

### B. SHRIRAM AWARD IN MARKETING

*First Prize*

Dr. Satish Maheshwari for his article entitled “**Effective Port Operations for Imported Fertilizers**” published in September 2020 issue of *Indian Journal of Fertilisers*.

*Second Prize*

Mr. K.U Thankachen, Rashtriya Chemicals & Fertilizers Limited, Mumbai for his article “**An Overview of Freight Subsidy and Challenges**” published in September, 2020 issue of *Indian Journal of Fertilisers*.

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

*First Prize*

Mr. Yogendra Kumar, Dr. K.N. Tiwari, Dr. R.K. Nayak, Mr. Abhimanyu Rai, Mr. S.P. Singh, Mr. A.N. Singh, Mr. Yatendra Kumar, Mr. Harish Tomar, Dr. Tarunendu Singh and Dr. Ramesh Raliya, IFFCO, New Delhi for their article “**Nanofertilizers for Increasing Nutrient Use Efficiency, Yield and Economic Returns in Important Winter Season Crops of Uttar Pradesh**” published in the August, 2020 issue of *Indian Journal of Fertilisers*.

*Second Prize*

Dr. K.N. Tiwari, IFFCO, New Delhi, Dr. Vandana Dwivedi, DAC&FW, New Delhi and Mr. Yogendra Kumar, IFFCO, New Delhi for their article “**Aligning Integrated Nutrient Management System with Soil Health Card for Sustainable Agriculture: Policy Challenges and Potential Solutions**” published in May, 2020 issue of *Indian Journal of Fertilisers*.

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

*First Prize*

Dr. Ummed Singh, Agriculture University, Mandor, Jodhpur, Dr. C.S. Prahraj, ICAR-IIPR, Kanpur, Dr. Dama Ram, Agriculture University, Jodhpur and Dr. S.K. Singh, ICAR-Agri. Tech. Application Research Institute, Jodhpur for their article “रबी दलहन: किसानों की आय दोगुनी करने हेतु उत्तम कृषि क्रियाएं” published in September, 2020 issue of *Khad Patrika*.

*Second Prize*

Dr. K.N. Tiwari and Mr. Yogendra Kumar, IFFCO, New Delhi for their article “खरीफ की खाद्यान्न फसलों में संतुलित एवं समेकित पोषक तत्व प्रबंधन: अतीत का चिंतन और भावी दृष्टिकोण” published in June, 2020 issue of *Khad Patrika*.



## AWARD WINNERS



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



**FAI Best Production Performance Award – Nitrogenous Fertilizer Plants**  
 Runner-up: IFFCO, Phulpur-II  
 Mr. M. M. Ahmad, Executive Director, receiving the award



**FAI Best Production Performance Award – DAP/NP/NPK Complex Fertilizer Plants**  
 Winner: Rashtriya Chemicals & Fertilizers Limited, Trombay  
 Ms. Aparna S. Sharma, Joint Secretary, DOF, and Director, RCFL receiving the award



**FAI Best Production Performance Award – Improvement in Overall Performance of a Company**  
 Winner: Kribhco Fertilizers Limited, Shahjahanpur  
 Mr. R. K. Chopra, Managing Director, receiving the award



**FAI Best Technical Innovation Award**  
 Winner: IFFCO Aonla-I  
 Mr. I. C. Jha, Executive Director, receiving the award



**FAI Award for Excellence in Safety**  
 Winner: Rashtriya Chemicals & Fertilizers Limited, Thal  
 Ms. Aparna S. Sharma, Joint Secretary, DOF, and Director, RCFL, receiving the award

## AWARD WINNERS



**FAI Award for Excellence in Safety**  
 Runner Up: IFFCO, Paradeep  
 Mr. K. J. Patel, Executive Director, receiving the award



**FAI Best Environment Protection Award – Nitrogenous Fertilizer Plants**  
 Winner : Chambal Fertilisers and Chemicals Limited, Gadepan  
 Mr. Anuj Jain, Assistant Vice President (Finance), receiving the award



**FAI Best Environment Protection Award – Nitrogenous Fertilizer Plants**  
 Runner up : Krishak Bharati Cooperative Limited, Surat  
 Mr. Rajan Chowdhry, Managing Director, receiving the award



**FAI Best Environment Protection Award – NP/NPK Complex Fertilizer Plants with Captive Acids**  
 Special Award : IFFCO, Paradeep  
 Mr. J. P. Srivastava, Jt. General Manager, receiving the award



**FAI Best Environment Protection Award – NP/NPK Complex Fertilizer Plants without Captive Acids**  
 Joint Winners : IFFCO, Kandla & Indorama India Private Limited, Haldia  
 Mr. O. P. Dayama, Senior General Manager, IFFCO, Kandla, receiving the award



**FAI Best Video Film Award**  
 Winner : Coromandel International Limited, Secunderabad  
 Mr. Sameer Goel, Managing Director, receiving the award

## AWARD WINNERS



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



**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, receiving the award



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



**FAI Golden Jubilee Award for Innovative Work on Transfer of Improved Farm Technologies**  
Winner : Krishak Bharati Cooperative Limited, Noida  
Mr. Rajan Chowdhry, Managing Director, receiving the award



**FAI Award for Promotion & Marketing of Micronutrients in India**  
Winner : IFFCO, New Delhi  
Mr. Rajneesh Pandey, Sr. Manager (Marketing), receiving the award



**FAI Golden Jubilee Award for the Best Work Done in the Field of Plant Nutrition**  
Joint Winners : Dr. K. S. Subramanian, TNAU, Coimbatore and Dr. Varinderpal Singh, Dr. Bijay Singh, Dr. R. K. Gupta, and Dr. O.P. Choudhary, PAU, Ludhiana  
Dr. K. S. Subramanian, Director of Research, receiving the award

## AWARD WINNERS



**FAI Best Employee Award 2020**  
Mr. Narayan Singh, FAI, New Delhi, receiving the award

### AWARDS (Not Physically Received)

- |  |  |
|--|--|
| 1. FAI Environment Protection Award<br>NP/NPK Complex with Captive Acid              | <b>Winner</b> : Paradeep Phosphate Ltd., Paradeep  |
| 2. FAI Environment Protection Award<br>NP/NPK Plant Without Captive Acids            | <b>Joint Winners</b> : Indorama India Private Limited, Haldia and<br>IFFCO, Kandla   |
| 3. FAI Environment Protection Award<br>Single Super Phosphates                       | <b>Winner</b> : Indorama India Private Limited, Haldia   |
| 4. FAI Golden Jubilee Award for Outstanding<br>Doctoral Research in Fertilizer Usage | <b>Winner</b> : Dr. Jagriti Thakur<br>Senior Research Fellow<br>Department of Soil Science<br>Dr. Y.S. Parmar University of<br>Horticulture and Forestry, H.P. |



### BEST ARTICLE AWARDS

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



*First Prize* : Mr. Maya Shanker Prasad and his co-author Mr. Girish Chandra Yadav, Yara Fertilisers India Private Limited, Babrala for their article **Risk Based Inspection - An Approach to Plant Reliability and Integrity**



*Second Prize* : Mr. S.K. Jindal, National Fertilizers Limited, Nangal for his article **Implementation of Modification in Urea Rake Loading Slat Conveyors - A Case Study**

#### B. SHRIRAM AWARD IN MARKETING



*First Prize* : Dr. Satish Maheshwari for his article **Effective Port Operations for Imported Fertilizers**



*Second Prize* : Mr. K.U. Thankachen, Rashtriya Chemicals & Fertilizers Limited, Mumbai for his article **An Overview of Freight Subsidy and Challenges**

## AWARD WINNERS

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



*First Prize* Mr. Yogendra Kumar and his co-authors Dr. K.N. Tiwari, Dr. R.K. Nayak, Mr. Abhimanyu Rai, Mr. S.P. Singh, Mr. A.N. Singh, Mr. Yatendra Kumar, Mr. Harish Tomar, Dr. Tarunendu Singh and Dr. Ramesh Raliya, IFFCO, New Delhi for their article **Nanofertilizers for Increasing Nutrient Use Efficiency, Yield and Economic returns in Important Winter Season Crops of Uttar Pradesh**



*Second Prize* Dr. K.N. Tiwari, IFFCO, New Delhi and his co-authors Dr. Vandana Dwivedi, DAC&FW, New Delhi and Mr. Yogendra Kumar, IFFCO, New Delhi for their article **Aligning Integrated Nutrient Management System with Soil Health Card for Sustainable Agriculture : Policy Challenges and Potential Solutions**

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



*First Prize* Dr. Umed Singh, Agriculture University, Mandor, Jodhpur and his co-authors Dr. C.S. Prahraj, ICAR-IIPR, Kanpur, Dr. Dama Ram, Agriculture University, Jodhpur and Dr. S.K. Singh, ICAR-Agri. Tech. Application Research Institute, Jodhpur for their article “रबी दलहन: किसानों की आय दोगुनी करने हेतु उत्तम कृषि क्रियाएँ”



*Second Prize* Dr. K.N. Tiwari and his co-author Mr. Yogendra Kumar, IFFCO, New Delhi for their article “खरीफ की खाद्यान्न फसलों में संतुलित एवं समेकित पोषक तत्व प्रबंधन: अतीत का चिंतन और भावी दृष्टिकोण”

## AWARD WINNERS



Professor Panjab Singh, Ex-Director General, ICAR receiving the U.S. Awasthi - IFFCO Award for Life Time Achievement in the field of Agriculture Research and Development



U.S. Awasthi - IFFCO Award for Life Time Achievement in the Field of "Fertilizer Industry" was conferred to Mr. Luc M. Maene, Ex-Director General, International Fertilizer Association for his outstanding contribution in development of fertilizer industry across the globe



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**

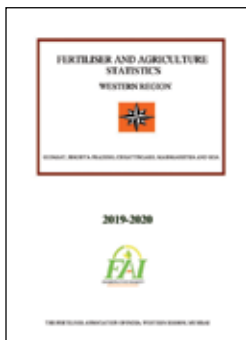
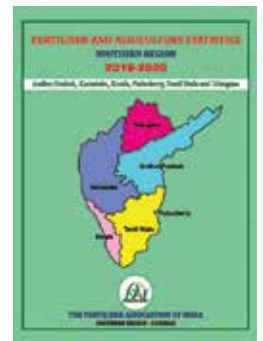
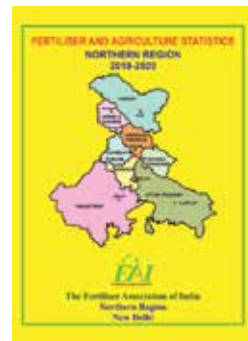
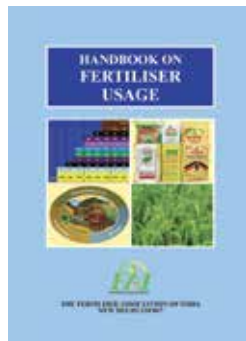
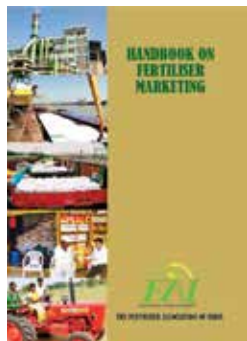
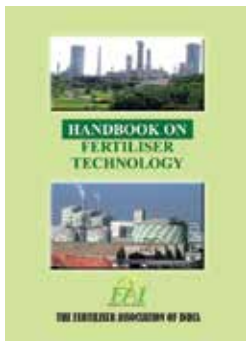
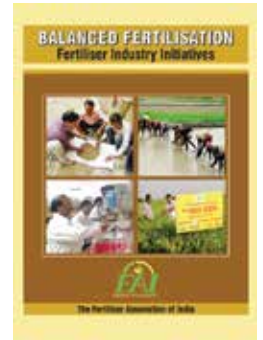
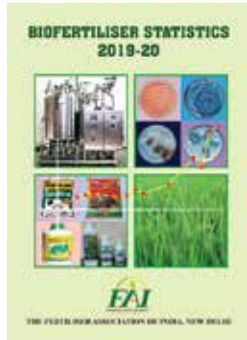
1. Annual Review of Fertiliser Production and Consumption – 2019-20	October 2020
2. Fertiliser Statistics – 2019-20	November 2020
3. Specialty Fertiliser and Micronutrient Statistics – 2019-20	December 2020
4. Biofertiliser Statistics – 2019-20	December 2020
5. Pre-prints of FAI Seminar Papers – 2020	December 2020

**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 2020-21

Advisory Committee	Chairman	No. of Meetings Held
Agricultural Sciences	Dr. S.K. Chaudhari, DDG (INM), ICAR, New Delhi	1
Environment	Mr. K. Prabhakar Rao, Director (Works), 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, Gurugram	4
Technical	Mr. S.R. Ramakrishnan, Whole Time Director, Southern Petrochemical Industries Corporation Ltd., Chennai	1
Information and Communications	Mr. Satish Chander, Director General, FAI, New Delhi	1
<b>Regional Committees</b>		
East	Mr. Ashvini Hiran, MD & CEO, Indorama India Private Ltd., Kolkata	4
North	Mr. Sanjiv Kanwar, Managing Director, Yara Fertilizer India Private Ltd., Gurugram	1
South	Mr. Kishor Rungta, Chairman and Managing Director, FACT, Kochi	3
West	Mr. S.C. Mudgerikar, Chairman and Managing Director, RCFL, Mumbai	2

• • • • •

## ADVISORY COMMITTEES

### 1. AGRICULTURAL SCIENCES

#### Chairman

Dr. S.K. Chaudhari  
Deputy Director General (NRM)  
Indian Council of Agricultural Research  
Krishi Anusandhan Bhawan II  
Room No. 112, Pusa Campus, IARI  
New Delhi - 110 012

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

Mr. Shyam Babu  
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-Gurugram Road  
Dundahera  
Gurugram - 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  
Programme Director  
(Sustainable Agriculture)  
The Energy and Resources Institute  
Darbari Seth Block, India Habitat Centre  
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. K.U. Thankachen  
Director Marketing  
Rashtriya Chemicals and Fertilizers Limited  
'Priyadarshini', Eastern 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 Limited  
'Corporate One', 1<sup>st</sup> Floor  
5, Commercial Center, Jasola  
New Delhi - 110 025

Mr. A. Nasara Reddy  
Senior Vice President (DSB)  
Nagarjuna Fertilizers and Chemicals Limited  
'Nagarjuna Hills', Punjagutta  
Hyderabad - 500 082  
Telengana

Dr. R.N. Pandey  
Head (Acting)  
Division of Soil Science & Agricultural Chemistry  
ICAR-Indian Agricultural Research Institute  
New Delhi - 110 012

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

Dr. B.S. Dwivedi  
 Director  
 ICAR-National Bureau of Soil Survey and  
 Land Use Planning  
 Amravati Road  
 Nagpur - 440 033, Maharashtra

Dr. V. K. Singh  
 Director  
 ICAR-Central Research Institute for Dryland Agriculture  
 PO Saidabad, Santoshnagar  
 Hyderabad - 500 059, Telangana

Dr. S.P. Singh  
 Head Agronomy & MS  
 Grasim Industries Limited  
 (Unit - Indo Gulf Fertilisers)  
 14/A/5, Park Road  
 Lucknow - 226 001, Uttar Pradesh

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

Dr. U.S. Teotia  
 Chief Manager (Agricultural Services)  
 Indian Potash Limited  
 'Potash Bhawan', 10-B, Rajendra Park  
 Pusa Road, New Delhi - 110 060

Dr. K.K. Singh  
 Group Head-Agri Services and R&D  
 Zuari Agro Chemicals Limited  
 3<sup>rd</sup> Floor, No 28, Union Street, Off Cubbon Road  
 Bengaluru - 560 001, Karnataka

Dr. Arvind Kumar Shukla  
 Project Coordinator  
 All India Coordinated Research Project on  
 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

Dr. Himanshu Pathak  
 Director  
 ICAR-National Institute of Abiotic Stress Management  
 Malegaon, Baramati  
 Pune - 413 115, Maharashtra

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

Dr. Soumitra Das  
 Director, South Asia - Zinc Nutrient Initiative  
 International Zinc Association  
 G1&5, Ground Floor, 'Allied Bhawan'  
 Plot No.9, LSC, Pushp Vihar  
 New Delhi - 110 062

Dr. Shashikant N. Bhende  
 General Manager (Agronomy & K-Mag Product Dev)  
 Mosaic India Private Limited  
 11<sup>th</sup> Floor, DLF Cyber City Building 8C  
 DLF Phase 2, Gurugram - 122 002, Haryana

Dr. Surender Roperia  
 Head - Sales & Marketing  
 K+S Fertilizers (India) Private Limited  
 Office No. 411, 4<sup>th</sup> Floor  
 Good Earth Business Bay, Sector 58  
 Gurugram - 122 098, Haryana

Dr. K. K. Singh  
 Additional Director General of Meteorology  
 and Head Agromet Advisory Services  
 Division & Scientist 'G'  
 India Meteorological Department  
 Ministry of Earth Sciences  
 Room # 503, 5<sup>th</sup> Floor, Satmet Building  
 Mausam Bhawan, Lodi Road  
 New Delhi - 110 003

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

Mr. Bidhan Sinha  
 Vice President-SCM & Corporate 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  
 Tessengerlo Kerley International  
 1<sup>st</sup> Floor, Tower B, Unitech Business Park  
 South City-1, Sector 41  
 Gurugram - 122 001, Haryana

Dr. G.C. Shrotriya  
 Advisor (Agriculture)  
 Green TV India  
 F1/1, Second Floor, Okhla Phase I  
 New Delhi - 110 020

Mr. Mahadev Suvarna  
Vice President – Specialty Plant Nutrition SFS  
Shriram Fertilisers & Chemical  
(A Unit of DCM Shriram Limited)  
'Kirti Mahal', 19, Rajendra Place  
New Delhi – 110 008

## 2. Environment

### Chairman

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

### Members

Mr. Srirup Sarkar  
Deputy General Manager (TS)  
Brahmaputra Valley Fertilizer Corporation Limited  
Namrup, P. O. Parbatpur - 786 623  
District Dibrugarh, Assam

Mr. Dinabandhu Gouda  
Divisional Head, IPC-I  
Central Pollution Control Board  
'Parivesh Bhawan'  
CBD-cum-Office Complex  
East Arjun Nagar, Delhi - 110 032

Mr. U.R. Singh  
Vice President (Works)  
Chambal Fertilisers & Chemicals Limited  
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 Company 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. S.J. Parikh  
Senior Vice President  
(I&M Bureau, IMS, U&EC & Fibre Unit)  
Gujarat State Fertilizers & Chemicals Limited  
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 Limited  
'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) - 721 606  
West Bengal

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

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

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

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

Mr. Harihara J.  
Deputy General Manager (EHS & QC)  
Mangalore Chemicals & Fertilizers Limited  
P.B. No.18, Panambur  
Mangalore - 575 010, Karnataka

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

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

Mr. S. K. Shukla  
Chief General Manager (Technical)  
National Fertilizers Limited  
A-11, Sector 24, Noida - 201 301  
Uttar Pradesh

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

Dr. A.K. Singh  
General Manager (EIA, SSPQC & Process)  
Projects & Development India Limited  
'PDIL Bhawan', A-14, Sector-1  
Noida - 201 301, Uttar Pradesh

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

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

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

Mr. Jayachandran K.  
General Manager (Corporate Planning)  
The Fertilisers and Chemicals  
Travancore Limited  
Eloor, Udyogamandal, Kochi - 683 501  
Kerala

Mr. Bhartandra Chandra Gaur  
Head EMC  
Yara Fertilisers India Private Limited  
Indira Dham, P. O. Babrala - 242 021  
District Sambhal, Uttar Pradesh

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

## 3. Information and Communications

### Chairman

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

### Members

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

Dr. Naresh Prasad  
Deputy General Manager  
(Marketing Support & Development)  
Chambal Fertilisers & Chemicals Limited  
'Corporate One', 1<sup>st</sup> Floor  
5, Commercial Center, Jasola  
New Delhi -110 025

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

Dr. K. K. Singh  
Additional Director General of Meteorology & Head  
Agromet Advisory Services Division  
India Meteorological Department  
Ministry of Earth Sciences  
Room No.503, 5<sup>th</sup> Floor, 'Satmet Building'  
'Mausam Bhawan', Lodhi Road  
New Delhi - 110003

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

Mr. A. K. Gupta  
Executive Director (IT Services)  
Indian Farmers Fertiliser Cooperative Limited  
'IFFCO Sadan', C-1, District Centre, Saket Place  
New Delhi - 110 017

Mrs. M. Nalini  
Additional General Manager (Accounts)  
Indian Potash Limited  
3<sup>rd</sup> Floor, 'Ambal Building', 727, Anna Salai  
Chennai - 600 006, Tamil Nadu

Mr. Navneet K. Saxena  
Vice President  
Kanpur Fertilizers & Chemicals Limited  
C/o Jaiprakash Associates Limited  
Jaypee Greens Wish Town, Sector - 128  
Noida - 201 304, Uttar Pradesh

Mr. I. A. Khan  
General Manager (Projects)  
Krishak Bharati Cooperative Limited  
A-10, Sector-1, Noida – 201301, Uttar Pradesh

Mr. Rohit Mathur  
General Manager  
Mosaic India Private Limited  
11<sup>th</sup> Floor, Building 8C  
DLF Cyber City, Gurugram – 122 002, Haryana

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

Ms. Manisha Narang  
Additional General Manager & HOD (PLG. & MR)  
Projects & Development India Limited  
'PDIL Bhavan', A-14, Sector -1  
Noida – 201 301, Uttar Pradesh

## 4. Marketing

### Chairman

Mr. V.S. Sirohi  
Marketing Director  
Krishak Bharati Cooperative Limited  
A-10, Sector-1  
Noida - 201 301, Uttar Pradesh

### Members

Mr. Y.K. Goel  
General Manager (Marketing & HR)  
Brahmaputra Valley Fertilizer  
Corporation Limited  
Corporate Marketing Office, Namrup  
District Dibrugarh - 786 623, Assam

Mr. A.K. Srivastava  
Assistant Vice President - Marketing  
Chambal Fertilizers and Chemicals Limited  
'Corporate One', 1<sup>st</sup> Floor  
5 Commercial Centre  
Jasola, New Delhi - 110 025

Mr. Kalidas Pramanik  
Executive Vice President (Fertiliser & Organic Fert.)  
Coromandel International Limited  
'Coromandel House'  
1-2-10, Sardar Patel Road  
Secunderabad – 500 003, Telangana

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

Mr. Dileep Singh  
Chief Marketing Officer  
Grasim Industries Limited  
(Unit - Indo Gulf Fertilisers)  
312-A, World Trade Centre  
Barakhamba Lane  
New Delhi - 110 001

Mr. Manish Billore  
Additional General Manager (Marketing)  
Gujarat Narmada Valley Fertilizers & Chemicals Limited  
District Bharuch  
P.O. Narmadanagar - 392 015  
Bharuch, Gujarat

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

Mr. Gaurav Saktavat  
Head (Fertiliser Marketing)  
Hindalco Industries Limited  
(Unit - Birla Copper)  
3<sup>rd</sup> Floor, The Park, Akshar Chowk  
O.P. Road, Vadodara - 390 020  
Gujarat

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

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

Mr. Santibrata Sarkar  
Vice President (Marketing)  
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. C. Narasimha Reddy  
Vice President & BU Head-Agri  
Jubilant Agri and Consumer Products Limited  
Plot No. 15, Knowledge Park – II  
Greater Noida - 201 306  
Uttar Pradesh



Mr. Rajeev Gupta  
Vice President (Marketing)  
Kanpur Fertilizers and Chemicals Limited  
C/o Jaiprakash Associates Limited  
Jaypee Greens Wish Town, Sector - 128  
Noida - 201 304, Uttar Pradesh

Mr. B. Anil Kumar  
Marketing Head  
Madras Fertilisers Limited  
Manali - 600 068, Chennai, Tamil Nadu

Mr. S. Sudershan  
General Manager (Sales)  
Adventz Agri Business  
Mangalore Chemicals and Fertilizers Limited  
'Adventz Centre', 3<sup>rd</sup> Floor, 28 Union Street  
Off Cubbon Road, Bengaluru - 560 001, Karnataka

Mr. A. Nasara Reddy  
Senior Vice President (DSB)  
Nagarjuna Fertilizers and Chemicals Limited  
'Nagarjuna Hills', Punjagutta  
Hyderabad - 500 082, Telangana

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

Mr. Harshdeep Singh  
Vice President (Sales & Marketing)  
Adventz Agri Business  
Paradeep Phosphates Limited  
'Adventz Centre', 3<sup>rd</sup> Floor, 28 Union Street  
Off Cubbon Road, Bengaluru - 560 001, Karnataka

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

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

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

Mr. Arvind Kulkarni  
Executive Vice President  
(Institutional Sales)  
Smartchem Technologies Limited  
(A fully owned subsidiary of DFPCCL)  
Sai Hira, Survey No. 93, Mundhwa  
Pune - 411 036, Maharashtra

Mr. Anupam Misra  
Director (Marketing)  
The Fertilisers and Chemicals Travancore Limited  
P.B.No.14  
Udyogamandal - 683 501, Kerala

Mr. Rajesh Sahnii  
Assistant General Manager (SCM)  
Yara Fertilisers India Private Limited  
502, Global Business Square, Plot No. 32  
Sector-44  
Gurugram - 122 002, Haryana

Mr. Madan Pandey  
President  
Adventz Agri Business  
Zuari Agro Chemicals Limited  
'Adventz Centre'  
3<sup>rd</sup> Floor, 28 Union Street, Off Cubbon Road  
Bengaluru - 560 001, Karnataka

### 5. Policy, Finance & Taxation

#### Chairman

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

#### Members

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

Mr. Atul S. Chhabra  
Head-Taxation & Deputy General Manager (F&A)  
Indian Farmers Fertiliser Cooperative Limited  
'IFFCO Sadan', C-1 District Centre, Saket Place  
New Delhi - 110 017

Mr. R.S. Mathur  
Executive Director (F&A)  
Krishak Bharati Cooperative Limited  
A-10, Sector-1  
Noida - 201 301, Uttar Pradesh

Mr. Y.P. Bhola  
Director (Finance)  
National Fertilizers Limited,  
A-11, Sector 24  
Noida - 201 301, Uttar Pradesh

Mr. N.S. Verma  
Executive Director (F&A)  
National Fertilizers Limited  
A-11, Sector 24  
Noida - 201 301, Uttar Pradesh

Mr. Adarsh Mundhra  
Chief Financial Officer  
Yara Fertilisers India Private Limited  
502, Global Business Square, Plot No 32  
Sector 44  
Gurugram - 122 002, Haryana

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

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

Mr. Manish Agarwal  
Chief Financial Officer  
Indorama India Private Limited  
PS Srijan Tech Park, DN-52  
Unit No- A & B, 14<sup>th</sup> Floor  
Salt Lake, Sector -V  
Kolkata - 700 091, West Bengal

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

Mr. Abhay Bajjal  
Chief Financial Officer  
Chambal Fertilisers & Chemicals Limited  
'Corporate One', 1<sup>st</sup> Floor  
5, Commercial Centre, Jasola  
New Delhi - 110 025

Mr. Anuj Jain  
Assistant Vice President (Finance)  
Chambal Fertilisers & Chemicals Limited  
'Corporate One', 1<sup>st</sup> Floor  
5, Commercial Centre, Jasola  
New Delhi - 110 025

Ms. Jayashree Satagopan  
Chief Financial Officer  
Coromandel International Limited  
'Coromandel House', 1-2-10, Sardar Patel Road  
Secunderabad - 500 003, Telangana

Mr. T.K. Raghavan  
Senior Assistant Vice President (F)  
Coromandel International Limited  
'Coromandel House', 1-2-10, Sardar Patel Road  
Secunderabad - 500 003, Telangana

Mr. Anand S. Krishnan  
Assistant Vice President (Finance)  
Coromandel International Limited  
'Coromandel House', 1-2-10, Sardar Patel Road  
Secunderabad - 500 003, Telangana

Mr. R.K. Gupta  
Chief Financial Officer  
Zuari Agro Chemicals Limited  
Tower-A, 5<sup>th</sup> Floor, Global Business Park  
M.G. Road, Sector 26  
Gurugram - 122 022, Haryana

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

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

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

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

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

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

Mr. Umesh Dongre  
Director (Finance)  
Rashtriya Chemicals & Fertilizers Limited  
'Priyadarshini'  
Eastern Express Highway, Sion  
Mumbai - 400 022, Maharashtra

Mr. S. Shivakumar  
Deputy General Manager (Corporate Finance)  
Rashtriya Chemicals & Fertilizers Limited  
'Priyadarshini', Eastern Express Highway, Sion  
Mumbai - 400 022, Maharashtra

Mr. M.C. Bansal  
Chief Financial Officer  
Kribhco Fertilizers Limited  
A-10, Sector-1  
Noida - 201 301, Uttar Pradesh

Mr. M.C. Grover  
Deputy General Manager (F&A)  
Kribhco Fertilizers Limited  
A-10, Sector-1  
Noida - 201 301, Uttar Pradesh

Mr. Gopikrishnan Sarathy  
President (Finance & Commercial)  
Hindalco Industries Limited  
(Unit - Birla Copper)  
Lakhigam, P.O. Dahej - 392 130  
District Bharuch, Gujarat

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

Mr. Ajay K. Trehan  
Senior General Manager (PR&A)  
Grasim Industries Limited  
(Unit - Indo Gulf Fertilisers)  
312-A, 'World Trade Centre', Barakhamba Lane  
New Delhi - 110 001

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

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

Mr. K.R. Anandan  
Chief Financial Officer  
Southern Petrochemical Industries Corporation Limited  
'SPIC House', 88 Mount Road, Guindy  
Chennai - 600 032, Tamil Nadu

Mr. J. Ravi Shankar  
Chief Financial Officer  
Greenstar Fertilizers Limited  
'SPIC House', 88, Mount Road, Guindy  
Chennai - 600 032, Tamil Nadu

Mr. P.R. Panda  
Deputy General Manager (F)  
Madras Fertilizers Limited  
Manali, Chennai - 600 068, Tamil Nadu

Mr. Sudhir Rana  
Vice President & Chief Financial Officer  
Kanpur Fertilizers & Chemicals Limited  
C/o Jaiprakash Associates Limited  
Jaypee Greens Wish Town, Sector - 128  
Noida - 201 304, Uttar Pradesh

Mr. Shashank Jain  
Chief General Manager  
Kanpur Fertilizers & Chemicals Limited  
C/o Jaiprakash Associates Limited  
Jaypee Greens Wish Town, Sector - 128  
Noida - 201 304, Uttar Pradesh

Mr. R. Srinivasan  
Chief Financial Officer  
Indian Potash Limited  
'Seethakathi Business Centre'  
1<sup>st</sup> Floor, PB No. 738, Anna Salai  
Chennai - 600 006, Tamil Nadu

Mrs. M. Nalini  
Additional General Manager (Accounts)  
Indian Potash Limited  
'Seethakathi Business Centre'  
1<sup>st</sup> Floor, PB No. 738, Anna Salai  
Chennai - 600 006, Tamil Nadu

## 6. Single Super Phosphate

### Chairman

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

### Members

Manoj Chheda  
Director  
Aarti Industries Limited  
Udyog Kshetra, 2<sup>nd</sup> Floor  
Mulund Goregaon Link Road  
Mulund (W), Mumbai - 400 080, Maharashtra

Mr. Venu Jain  
Managing Director  
BEC Fertilisers  
31, 'Maker Chamber III', Nariman Point  
Mumbai - 400 023, Maharashtra

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

Mr. G. Srikrishna  
Managing Director  
Chemtech Fertilisers Private Limited  
303, 'Siri Estate', Nagarjuna Nagar Colony  
Hyderabad - 500 073, Telangana

Mr. S. Sankarasubramanian  
President (Fertilizers)  
Coromandel International Limited  
'Coromandel House', 1-2-10, Sardar Patel Road  
Secunderabad - 500 003, Telangana

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

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

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

Mr. B.P. Raval  
Director  
Narmada Agro Chemicals Private Limited  
19-26, Udhogynagar, Shardagram Road  
Mangrol - 362 225, District Junagarh, Gujarat

Mr. Dinesh Patel  
Managing Director  
Narmada Bio-chem Limited  
'Narmada House', Plot No.252, T.P. No. 50  
Opp. Mantavya News, Sindhu Bhavan Road  
Off S.G. Highway Thaltej - Bodakdev  
Ahmedabad - 380 059, Gujarat

Mr. Akhil Maheshwari  
Vice President (Marketing)  
Nirma Limited  
'NIRMA House', Ashram Road  
Ahmedabad - 380 009, Gujarat

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

Mr. S.K. Grover  
Vice President  
Shriram Fertilizers & Chemicals  
(A Unit of DCM Shriram Limited)  
9, 'Kirti Mahal', Rajendra Place  
New Delhi - 110 025

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

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

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

Mr. Suresh Bangur  
Executive Director  
The Phoshate Company Limited  
14, Netaji Subhash Road  
Kolkata - 700 001, West Bengal

Mr. Milind Akerkar  
Head SSP Business  
Zuari Agro Chemicals Limited  
'Adventz Centre'  
3<sup>rd</sup> Floor, 28 Union Street, Off Cubbon Road  
Bengaluru - 560 001, Karnataka

## 7. Technical

### Chairman

Mr. S.R. Ramakrishnan  
Whole Time Director  
Southern Petrochemical Industries Corporation Limited  
88, Mount Road, Guindy  
Chennai - 600 032, Tamil Nadu

### Members

Mr. Ashim Kumar Ghosh  
Chairman & Managing Director  
Brahmaputra Valley Fertilizer Corporation Limited  
Namrup Unit  
P. O. Prabatpur - 786 623  
District Dibrugarh, Assam

Mr. U.R. Singh  
Vice President (Works)  
Chambal Fertilisers & Chemicals Limited  
P. O. Gadepan - 325 208  
District Kota, Rajasthan

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

Mr. M.I. Shamsi  
General Manager  
Gujarat Narmada Valley Fertilizers & Chemicals Limited  
P. O. Narmadanagar - 392 015  
District Bharuch, Gujarat

Mr. D.B. Shah  
Executive Director (OP-II)  
Gujarat State Fertilizers & Chemicals Limited  
P. O. Fertilizernagar - 391 750  
District Vadodara, Gujarat

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

Mr. G.K. Gautam  
Director (Technical)  
Indian Farmers Fertiliser Cooperative Limited  
'IFFCO Sadan', C-1 District Centre  
Saket Place, New Delhi - 110 017

Mr. C.S. Prasad  
Chief Operating Officer  
Indorama India Private Limited  
Haldia, Midnapore (W) - 721 606, West Bengal

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

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

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

Mr. Harsh Malhotra  
Director (Technical)  
Madras Fertilizers Limited  
Manali, Chennai - 600 068, Tamil Nadu

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

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

Mr. S. K. Shukla  
Chief General Manager (Technical)  
National Fertilizers Limited  
A-11, Sector 24, Noida - 201 301, Uttar Pradesh

Ms. Manisha Narang  
Additional General Manager (Planning & MR, Process)  
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 - 754 145  
District Jagatsinghpur, Odisha

Mr. M.M. Deo  
Executive Director (Coordination)  
Corporate Technical  
Rashtriya Chemicals & Fertilizers Limited  
'Priyadarshini'  
Eastern Express Highway, Sion  
Mumbai - 400 022, Maharashtra

Mr. Ashwani Kaul  
Joint Vice President (Fert. and R&D)  
Shriram Fertilisers & Chemicals  
(A unit of DCM Shriram Limited)  
P. O. Shriramnagar  
Kota - 324 004, Rajasthan

Mr. Radhe Shyam Singh  
Executive Vice President  
Smartchem Technologies Limited  
(A fully owned subsidiary of DFPCCL)  
K-1, MIDC Industrial Area  
District Raigad  
Taloja A.V. - 410 208, Maharashtra

Mr. E. Balu  
Chief Operating Officer  
Southern Petrochemical Industries Corporation Limited  
P. O. SPIC Nagar - 628 005  
Tuticorin, Tamil Nadu

Mr. Ajith Kumar T.P.  
Chief General Manager (PC)  
The Fertilisers and Chemicals Travancore Limited  
Eloor, Udyogamandal  
Kochi - 683 501, Kerala

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

Mr. N.M. Kantak  
Executive Director  
Zuari Agro Chemicals Limited  
'Jai Kisaan Bhawan'  
Zuarinagar, Goa - 403 726



### FAI MEMBERS (AS ON 31.3.2021)

#### ACTIVE MEMBERS

- |   |  |    |  |
|---|--|----|--|
| 1 | <p><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>  | 9  | <p><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>                 |
| 2 | <p><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>                                      | 10 | <p><b>Greenstar Fertilizers Limited</b><br/>SPIC House<br/>No. 88, Mount Road, Guindy<br/>Chennai 600 032<br/>Tamil Nadu</p>   |
| 3 | <p><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)<br/>Mumbai<br/>Maharashtra - 400 069</p> | 11 | <p><b>Gujarat Narmada Valley Fertilizers &amp; Chemicals Limited</b><br/>P.O. Narmada Nagar<br/>District Bharuch 392 015<br/>Gujarat</p>                                     |
| 4 | <p><b>Brahmaputra Valley Fertilizer Corporation Limited</b><br/>Regd. Office Namrup<br/>P.O. Parbatpur<br/>District Dibrugarh 786 623<br/>Assam</p>  | 12 | <p><b>Gujarat State Fertilizers &amp; Chemicals Limited</b><br/>P.O. Fertilizernagar<br/>District Vadodara 391 750<br/>Gujarat</p>   |
| 5 | <p><b>Chambal Fertilizers and Chemicals Limited</b><br/>Corporate One, First Floor,<br/>5, Commercial Center, Jasola<br/>New Delhi - 110 025</p>   | 13 | <p><b>Hindalco Industries Limited</b><br/>(Unit : Birla Copper)<br/>3rd Floor, Aries House, Near Hotel Siddharth<br/>Palace, Old, Padra Road<br/>Baroda 390 015, Gujarat</p> |
| 6 | <p><b>Coimbatore Pioneer Fertilizers Limited</b><br/>P.O.Muthugoundanpudur<br/>Via Sular<br/>District Coimbatore 641 006<br/>Tamil Nadu</p>  | 14 | <p><b>Indian Farmers Fertiliser Cooperative Limited</b><br/>IFFCO Sadan<br/>C-1, District Centre, Saket Place,<br/>New Delhi - 110 017</p>                                   |
| 7 | <p><b>Coromandel International Limited</b><br/>1-2-10, Sardar Patel Road<br/>Post Box No. 1589<br/>Secunderabad 500 003<br/>Telangana</p>  | 15 | <p><b>Indian Potash Limited</b><br/>Potash Bhawan,<br/>10-B, Rajendra Park, Pusa Road<br/>New Delhi - 110 060</p>  |
| 8 | <p><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>                                  | 16 | <p><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>                |
|   |  | 17 | <p><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 Fertilizers and Chemicals Limited</b><br/>C/o Jaiprakash Associates Ltd.<br/>Jaypee Greens Wish Town, Sector - 128<br/>Noida 201 304<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>19 <b>Khaitan Chemicals &amp; Fertilizers Limited</b><br/>Apollo Arcade, 3rd Floor, 1/2, Old Palasia<br/>Opposite Palasia Police Station<br/>Indore 452 018<br/>Madhya Pradesh</p>  | <p>29 <b>Rama Phosphates Limited</b><br/>51 -52, Free Press House, Nariman Point<br/>Mumbai 400 021<br/>Maharashtra</p>   |
| <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>30 <b>Ranadey Micronutrients (Private) Limited</b><br/>Shrikrishna, Krishnakeval Nagar<br/>1/A, Kondhwa Khurd<br/>Pune 411 048<br/>Maharashtra</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>31 <b>Rashtriya Chemicals and Fertilizers Limited</b><br/>Priyadarshini<br/>Eastern Express Highway, Sion<br/>Mumbai 400 022, Maharashtra</p>                                      |
| <p>22 <b>Madras Fertilizers Limited</b><br/>Manali<br/>Chennai 600 068<br/>Tamil Nadu</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, Maharashtra</p> |
| <p>23 <b>Mangalore Chemicals &amp; Fertilizers Limited</b><br/>Level-11, UB Towers, UB City<br/>24, Vittal Mallya Road<br/>Bengaluru 560 001<br/>Karnataka</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>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<br/>Kolkata 700 091<br/>West Bengal</p> | <p>34 <b>The Andhra Sugars Limited</b><br/>Post Box No. 102<br/>Venkatarayapuram<br/>District West Godavari<br/>Tanuku 534 215<br/>Andhra Pradesh</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>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>26 <b>Nagarjuna Fertilizers &amp; Chemicals Limited</b><br/>Nagarjuna Hills<br/>Punjagutta<br/>Hyderabad 500 082<br/>Telangana</p>  | <p>36 <b>The Fertilisers and Chemicals Travancore Limited</b><br/>P.O. Udyogamandal<br/>Kochi<br/>Alwaye 683 501<br/>Kerala</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>37 <b>The Jay Shree Chemicals &amp; Fertilisers</b><br/>Industry House, 15th Floor<br/>10, Camac Street<br/>Kolkata 700 017, West Bengal</p>                                       |

- |    |   |    |   |
|----|---|----|---|
| 38 | <p><b>The Phosphate Company Limited</b><br/>14, Netaji Subhas Road, 3rd Floor<br/>Kolkata 700 001, West Bengal</p>                              | 9  | <p><b>Anshula Technological Engineering Consultants Private Limited</b><br/>A 401/402, LEO Building (Formerly Kohinoor CHS)<br/>Plot No.479, T.P.S.III, 24th Road, Khar (West)<br/>Mumbai 400 052<br/>Maharashtra</p> |
| 39 | <p><b>Yara Fertilisers India Private Limited</b><br/>502, Global Business Square<br/>Plot No.32, Sector-44<br/>Gurugram 122 002<br/>Haryana</p> | 10 | <p><b>Arihant Fertiliser &amp; Chemicals India Limited</b><br/>119, First Floor, Banshi Trade Centre<br/>585/5 M.G. Road, Dr.Roshan Singh Bhandari Marg<br/>Indore 452 001<br/>Madhya Pradesh</p>                     |
| 40 | <p><b>Zuari Agro Chemicals Limited</b><br/>Jaikisaan Bhawan<br/>Zuarinagar 403 726, Goa</p>   | 11 | <p><b>Armaco Chemical Process Systems Private Limited</b><br/>A/6, Venus Nauroji Vakil Street<br/>Nana Chowk, Grant Road (West)<br/>Mumbai 400 007<br/>Maharashtra</p>  |

### ASSOCIATE MEMBERS

- |   |  |    |   |
|---|--|----|---|
| 1 | <p><b>a c t infraport Limited</b><br/>Plot No. 391 &amp; 392, Sector 1/A<br/>Near Mamlatdar's Office, Gandhidham<br/>Kachchh 370 201<br/>Gujarat</p>                   | 12 | <p><b>Avana Logistek Limited</b><br/>201 &amp; 202, Salcon Aurum, Plot No-4<br/>Jasola District Centre<br/>New Delhi - 110 025</p>  |
| 2 | <p><b>Aarti Fertilizers</b><br/>(A Division of Aarti Industries)<br/>Plot No. 801, 801/23, GIDC Estate<br/>Phase III, District Valsad<br/>Vapi 396 195<br/>Gujarat</p> | 13 | <p><b>Baltic Testing India Private Limited</b><br/>Hubtown Viva Building, Suite No. 313/314<br/>3rd Floor, Shankarwadi, Western Express Highway<br/>Jogeshwari (East)<br/>Mumbai 400 060, Maharashtra</p> |
| 3 | <p><b>Abdullah Haji Rahimtula &amp; Sons Private Limited</b><br/>DCM Building, 3rd Floor<br/>Flat No.-3E, 16, Barakhamba Road<br/>New Delhi - 110 001</p>              | 14 | <p><b>Basant Agro Tech (India) Limited</b><br/>95-96, 9th Floor, 'C' Wing<br/>Mittal Court, Jamnalal Bajaj Marg, Nariman Point<br/>Mumbai 400 021<br/>Maharashtra</p>                                     |
| 4 | <p><b>ACME Cleantech Solutions Private Limited</b><br/>Plot No. 152, Sector - 44<br/>Gurugram 122 002, Haryana</p>   | 15 | <p><b>Bhaskar Fertilisers Limited</b><br/>Door No. 18-1-343, Venugopal Nagar<br/>Opposite R.T.C. Bus Stand<br/>Anantapur 515 005<br/>Andhra Pradesh</p>   |
| 5 | <p><b>Adani Ports and Special Economic Zone Limited</b><br/>Adani Corporate House, Plot No.83<br/>Institutional Area, Sector - 32<br/>Gurugram 122 001, Haryana</p>    | 16 | <p><b>Bohra Industries Limited</b><br/>301, Anand Plaza<br/>University Road<br/>Udaipur 313 001<br/>Rajasthan</p>   |
| 6 | <p><b>AgriMin Control International Private Limited</b><br/>602, Embassy Chambers, 6th Floor<br/>Plot No. 5, 3rd Road, Khar (West)<br/>Mumbai 400 052, Maharashtra</p> | 17 | <p><b>Borochemie (India) Private Limited</b><br/>40-44A, Dheeraj Heritage, 4th Floor<br/>S.V. Road, Santacruz (West)<br/>Mumbai 400 054<br/>Maharashtra</p>   |
| 7 | <p><b>Agro Phos (India) Limited</b><br/>M-87, Trade Centre<br/>18, Southtuko Ganj<br/>Indore 452 001, Madhya Pradesh</p>   | 18 | <p><b>Chembond Water Technologies Limited</b><br/>Chembond Centre<br/>EL-71, Mahape MIDC, Navi<br/>Mumbai 400 705, Maharashtra</p>  |
| 8 | <p><b>Ameropa India Private Limited</b><br/>Office 215-D, Level-2,<br/>Elegance Tower, Jasola<br/>New Delhi - 110 025</p>  |    |   |



- |  |  |
|--|--|
| <p>19 <b>Chemtech Fertilisers Private Limited</b><br/># 303, Siri Estate<br/>Nagarjuna Nagar Colony<br/>Hyderabad 500 073<br/>Telangana</p>  | <p>29 <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>20 <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>30 <b>Dhanlakshmi Biochem Private Limited</b><br/>Prahladnagar, Satellite<br/>Ahmedabad 380 015<br/>Gujarat</p>   |
| <p>21 <b>Compo Expert India Private Limited</b><br/>Tower – II, 108, World Trade Center<br/>Kharadi, Pune 411 014<br/>Maharashtra</p>  | <p>31 <b>Dhanuka Agritech Limited</b><br/>Dhanuka Group, Global Gateway Towers<br/>Tower 'B', Near Guru Dronacharya Metro Station<br/>M.G. Road<br/>Gurugram 122 002, Haryana</p>  |
| <p>22 <b>Cooperatieve Rabobank U.A.</b><br/>Peninsula Business Park, Tower A, 20th Floor<br/>Senapati Bapat Marg, Lower Parel<br/>Mumbai 400 013, Maharashtra</p>  | <p>32 <b>Diamond Shipbrokers</b><br/>(A division of Samsara Shipping Pvt. Ltd.)<br/>101/102, Technopolis Knowledge Park<br/>Mahakali Caves Road, Chakala, Andheri (E)<br/>Mumbai 400 093, Maharashtra</p>                          |
| <p>23 <b>Coromandel SQM (India) Private Limited</b><br/>Coromandel House<br/>1-2-10, Sardar Patel Road<br/>Secunderabad 500 003, Telangana</p>   | <p>33 <b>Dreymoor Fertilizers Overseas Pte. Limited</b><br/>403, Suncity Business Tower<br/>Golf Course Road, Sector - 54<br/>Gurugram 122 002, Haryana</p>  |
| <p>24 <b>Cotecna Inspection India Private Limited</b><br/>(The Summit - Business Bay)<br/>Office No.213, 214 &amp; 215<br/>Behind Guru Nanak Petrol Pump<br/>Opposite Cinemax,<br/>Off. Andheri - Kurla Road, Prakashwadi<br/>Andheri (East)<br/>Mumbai 400 069, Maharashtra</p> | <p>34 <b>Ebara Machinery India Private Limited</b><br/>902, Bhumi Raj Costarica, Sector - 18<br/>Palm Beach Road, Sanpada<br/>Navi Mumbai<br/>Maharashtra - 400 705</p>  |
| <p>25 <b>Criyagen Agri and Biotech Private Limited</b><br/>Survey No. 71/5, Doddaballapur-Nelamangala State<br/>Highway-74<br/>Post : Karim Sonnenahalli, TQ: Doddaballapur<br/>Bengaluru Rural 562 203, Karnataka</p>   | <p>35 <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>26 <b>Crop Life Science Limited</b><br/>Plot No.5165 GIDC Estate<br/>Near 66 KV Sub Station<br/>Ankleshwar 393 002, Gujarat</p>   | <p>36 <b>Fair Lead Marine Services</b><br/>Office No. : 201, Second Floor,<br/>Riddhi Siddhi Arcade, Opp. Hotel Shiv Grand,<br/>Plot No. 13, Sector - 8, Gandhidham<br/>Kutch 370 201, Gujarat</p>                                 |
| <p>27 <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>37 <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, Hyderabad 500 034<br/>Telangana</p>   |
| <p>28 <b>Dayal Fertilizers (P) Limited</b><br/>Delhi Road, Partapur<br/>Meerut 250 013<br/>Uttar Pradesh</p>   | <p>38 <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>39 <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>49 <b>HIL (India) Limited</b><br/>Scope Complex, 2nd Floor, Core-6<br/>7, Lodi Road<br/>New Delhi - 110 003</p>  |
| <p>40 <b>Frost International Limited</b><br/>Aria Tower, 3rd Floor, Commercial Block<br/>JW Marriott Hotel, Aerocity<br/>Asset Area - 4, Hospitality, District<br/>New Delhi - 110 037</p> | <p>50 <b>Hindustan Urvarak &amp; Rasayan Limited</b><br/>Core - 4, 9th Floor, Scope Minar<br/>Laxmi Nagar Districr Centre<br/>New Delhi - 110 092</p>   |
| <p>41 <b>GDS Chemicals &amp; Fertilizers Private Limited</b><br/>Aska Road, Near Sarguna Street<br/>Berhampur<br/>District Ganjam 760 006<br/>Odisha</p>                                   | <p>51 <b>Hindustan Zinc Limited</b><br/>Yashad Bhawan<br/>Udaipur 313 004<br/>Rajasthan</p>   |
| <p>42 <b>Gemini Fertilizers</b><br/>Kothari Building<br/>114, Mahathma Gandhi Salai, Nungambakkam<br/>Chennai 600 034<br/>Tamil Nadu</p>   | <p>52 <b>HPM Chemicals and Fertilizers Limited</b><br/>209-210, Anupam Bhawan,<br/>Near Aakash Cinema, Azadpur<br/>Delhi - 110 033</p>  |
| <p>43 <b>Geolife Agritech India Private Limited</b><br/>301, Marathon Max, LBS, Marg<br/>Opposite Nirmal Lifestyle, Mulund West<br/>Mumbai 440 018<br/>Maharashtra</p>                     | <p>53 <b>ICL Fertilizers (India) Private Limited</b><br/>306, Tower A, Millennium Plaza<br/>Sector 27<br/>Gurugram 122 002, Haryana</p>   |
| <p>44 <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>54 <b>IFFCO-TOKIO General Insurance Co. Limited</b><br/>IFFCO Tower, 4<sup>th</sup> &amp; 5<sup>th</sup> Floor<br/>Plot No.3, Sector-29<br/>Gurugram 122 001, Haryana</p>                                    |
| <p>45 <b>Gujarat Agro Industries Corporation Limited</b><br/>Agro Service Division<br/>Khet Bhavan, Opposite Old High Court<br/>Navrangpura<br/>Ahmedabad 380 014, Gujarat</p>             | <p>55 <b>IL &amp; FS Environmental Infrastructure and Services Limited</b><br/>Plot no - 8,9, 3rd floor, MM tower<br/>(Above Passport Sewa Kendra)<br/>Phase - 4, Udyog Vihar<br/>Gurugram 122 002, Haryana</p> |
| <p>46 <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>56 <b>Indian Agrochem Industries Private Limited</b><br/>Plot No. B-13, MIDC<br/>Badlapur (E)<br/>Dist. Thane 421 503, Maharashtra</p>   |
| <p>47 <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>57 <b>Indian Micro-Fertilizers Manufacturers Association (IMMA)</b><br/>201, 2nd Floor, Shrikrishna Apartments<br/>Market Yard Road, Opp. Apsara Theatre<br/>Pune 411 037, Maharashtra</p>                   |
| <p>48 <b>HE Marketing Private Limited</b><br/>12th Floor, Knowledge Park,<br/>Hiranandani Business Park, Powai<br/>Mumbai 400 076<br/>Maharashtra</p>                                      | <p>58 <b>Indian Phosphate Limited</b><br/>F-234, 1E, Mewar Industrial Area<br/>Madri<br/>Udaipur 313 003, Rajasthan</p>   |
|  | <p>59 <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>60 <b>Inspectorate Griffith India Private Limited</b><br/>Ecocentre,16th Floor, Unit 1601<br/>Block - EM04, Salt Lake, Sector - V<br/>Kolkata 700 091, West Bengal</p> <p>61 <b>Intertek India Private Limited</b><br/>F Wing, 1st Floor, Tex Center<br/>Chandivali Farm Road, Chandivali, Andheri (E)<br/>Mumbai 400 072<br/>Maharashtra</p> <p>62 <b>Ion Exchange India Limited</b><br/>Ion House<br/>Dr. E. Moses Road, Mahalaxmi<br/>Mumbai 400 011<br/>Maharashtra</p> <p>63 <b>ISGEC Heavy Engineering Limited</b><br/>Yamunanagar<br/>Haryana</p> <p>64 <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>65 <b>J.J. Consultants Private Limited</b><br/>6, Sunder Nagar<br/>New Delhi - 110 003</p> <p>66 <b>J.M. Baxi &amp; Co.</b><br/>1006, 10<sup>th</sup> Floor, Mohandev Building<br/>13, Tolstoy Marg,<br/>New Delhi - 110 001</p> <p>67 <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)<br/>Mumbai 400 078<br/>Maharashtra</p> <p>68 <b>Johnson Matthey Catalysts</b><br/>11<sup>th</sup> Floor, C Block, Building No.8<br/>DLF Cyber City, DLF Phase II<br/>Gurugram 122 002, Haryana</p> <p>69 <b>Jyoti Consultants</b><br/>B-79, Defence Colony<br/>Bhisham Pitamaha Marg<br/>New Delhi - 110 024</p> <p>70 <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>71 <b>K+S Fertilizers (India) Private Limited</b><br/>Office No. 411, 4<sup>th</sup> Floor<br/>Good Earth Business Bay, Sector 58<br/>Gurugram 122 098<br/>Haryana</p> <p>72 <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>73 <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> <p>74 <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>75 <b>Kayavlon Impex Private Limited</b><br/>2<sup>nd</sup> Floor, Vishwakarma Chambers<br/>Majura Gate, Ring Road<br/>Surat 395 002<br/>Gujarat</p> <p>76 <b>KBR Engineering &amp; Construction India Private</b><br/>16<sup>th</sup> Floor, Tower A, Building No. 5<br/>DLF Cyber Terraces, DLF Phase III<br/>Gurugram 122 002, Haryana</p> <p>77 <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>78 <b>Keytrade AG</b><br/>India Liaison Office<br/>B-260, Greater Kailash - I<br/>New Delhi - 110 048</p> <p>79 <b>Khandelwal Distributors Private Limited</b><br/>More Kothi, Gangapur<br/>Shyamganj<br/>Bareilly 243 005<br/>Uttar Pradesh</p> <p>80 <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, Gujarat</p> |
|--|--|

- |  |   |
|--|---|
| <p>81 <b>Kohinoor Manure Factory</b><br/>Triveni Sugar Mill Road<br/>Sheikhpura, Khatauli<br/>District Muzaffarnagar 251 201<br/>Uttar Pradesh</p>   | <p>91 <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>82 <b>Kopperrn Maco Services Private Limited</b><br/>6C, Sukhsagar, 2/5, Sarat Bose Road<br/>Kolkata 700 020<br/>West Bengal</p>  | <p>92 <b>Manshya Marketing Private Limited</b><br/>S.No. 49, Part Rajkumar Lodha Industrial Estate<br/>Vrindavan Nagar Lane No.3<br/>Near Shatrunjay Mandir<br/>Gokul Nagar, Katraj, Kondhwa Road, Kondhwa BDK<br/>Pune 411 048<br/>Maharashtra</p> |
| <p>83 <b>Krishi Rasayan Exports Private Limited</b><br/>1115, Hemkunt Tower<br/>98, Nehru Place<br/>New Delhi - 110 019</p>  | <p>93 <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>84 <b>Krishna Phoschem Limited</b><br/>5-O-2, Basement Office<br/>R.C. Vyas Colony<br/>Bhilwara 311 001<br/>Rajasthan</p>   | <p>94 <b>MECS India Private Limited</b><br/>81, 82, 83, 8th Floor, 2nd North Avenue<br/>Maker Maxity, Bandra-Kurla Complex<br/>Bandra (East)<br/>Mumbai 400 051, Maharashtra</p>  |
| <p>85 <b>Larsen &amp; Toubro Limited</b><br/>Heavy Engineering Division<br/>32, Shivaji Marg<br/>New Delhi - 110 015</p>   | <p>95 <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>86 <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>96 <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>87 <b>Linde Engineering India Private Limited</b><br/>Linde House<br/>Near Nilamber Circle, Vasna-Gotri Road, Vasna<br/>Vadodara 391 410<br/>Gujarat</p>                                      | <p>97 <b>Mitsubishi Corporation India Private Limited</b><br/>Birla Tower, 5th Floor<br/>25, Barakhamba Road<br/>New Delhi - 110 001</p>  |
| <p>88 <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>98 <b>Mosaic India Private Limited</b><br/>11<sup>th</sup> Floor, Building 8C<br/>DLF Cyber City, Phase II<br/>Gurugram 122 002, Haryana</p>   |
| <p>89 <b>Mahafeed Speciality Fertilizers (India) Private Limited</b><br/>Office No. 114, City Mall, 1st Floor<br/>Ganeshkhind Road<br/>Near Pune University<br/>Pune 411 007<br/>Maharashtra</p> | <p>99 <b>Multiplex Bio-Tech Private Limited</b><br/>No.180, 1<sup>st</sup> Main Road<br/>Mahalakshmi Layout<br/>Bengaluru 560 086<br/>Karnataka</p>   |
| <p>90 <b>Mahamaya Enterprise</b><br/>12/A, Netaji Subhash Road<br/>Ground Floor, Room No. 6<br/>Kolkata 700 001<br/>West Bengal</p>  | <p>100 <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>101 <b>Nagarjuna Agro Chemicals Private Limited</b><br/>#6-3-1219/24, 301 &amp; 302, 3rd Floor, 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>102 <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<br/>Rajasthan</p> <p>103 <b>Narmada Agro Chemicals Private Limited</b><br/>19-26, Udyognagar<br/>Shardagram Road, District Junagarh<br/>Mangrol 362 225<br/>Gujarat</p> <p>104 <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>105 <b>Narmada Phosphate Limited</b><br/>A-33, Priyadarshini Nagar,<br/>(Just beside the street of Quality Restaurent)<br/>Vyapar Vihar Road<br/>Bilaspur 495 001<br/>Chattisgarh</p> <p>106 <b>National Cooperative Development Corporation</b><br/>4, Siri Institutional Area<br/>Opposite Siri Fort, Hauz Khas<br/>New Delhi - 110 016</p> <p>107 <b>Neelam Aqua &amp; Speciality Chem Private Limited</b><br/>H-337 (D), Road No.17<br/>V.K.I. Area<br/>Jaipur 302 013<br/>Rajasthan</p> <p>108 <b>Nextnode Bioscience Private Limited</b><br/>607, Abhishree Avenue,<br/>Opp. Hanumanji Temple, Nehrunagar<br/>Ambawadi<br/>Ahmedabad 380 015<br/>Gujarat</p> <p>109 <b>Nico Orgo Manures</b><br/>Opposite Railway Station<br/>Dakor 388 225<br/>Gujarat</p> | <p>110 <b>Nirma Limited</b><br/>Nirma House<br/>Ashram Road, Near I.T.O.<br/>Ahmedabad 380 009, Gujarat</p> <p>111 <b>OJSC Belarusian Potash Company</b><br/>The Palm Spring Plaza, Unit No.-402<br/>4<sup>th</sup> Floor, Sector 54, Golf Course Road<br/>Gurugram 122 001, Haryana</p> <p>112 <b>Ostwal Phoschem (India) Limited</b><br/>5-O-1, R.C. Vyas Colony<br/>Bhilwara 311 001<br/>Rajasthan</p> <p>113 <b>Outokumpu India Private Limited</b><br/>1104 - 1107, Ansal Tower<br/>38, Nehru Place<br/>New Delhi - 110 019</p> <p>114 <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>115 <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>116 <b>Prabhat Fertilizer &amp; Chemicals Works</b><br/>Vill - Kurali, Indri Road,<br/>Karnal 132 001<br/>Haryana</p> <p>117 <b>Prathista Industries Limited</b><br/>1-5-1015, Plot # 80 &amp; 81, Manjeera Colony,<br/>Father Balaiah Nagar, Old Alwal<br/>Secunderabad 500 010<br/>Telangana</p> <p>118 <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, Maharashtra</p> <p>119 <b>Progressive Fertichem (Private) Limited</b><br/>Nizarapar, Jagi Road,<br/>District Morigaon 782 410<br/>Assam</p> <p>120 <b>Projects &amp; Development India Limited</b><br/>P.O. Box No.125<br/>A-14, Sector-1<br/>Noida 201 301, Uttar Pradesh</p> |
|--|---|

- |  |   |
|--|---|
| <p>121 <b>Pushpa J. Shah</b><br/>Plot No. 906/13, Near Ganesh Anand Chokdi<br/>G.I.D.C. Panoli, Tal. Ankleshwar<br/>Dist. Bharuch 394 116<br/>Gujarat</p>  | <p>131 <b>Rio Tinto India Private Limited</b><br/>21<sup>st</sup> Floor, Tower A, Building No.5,<br/>Cyber Terrace, DLF Cyber City, DLF Phase III<br/>Gurugram 122 002<br/>Haryana</p>        |
| <p>122 <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>132 <b>Rishi Shipping</b><br/>Rishi House, Plot No. 113-116<br/>Ward - 6, Industrial Area, Gandhidham<br/>Kutch 370 201<br/>Gujarat</p>  |
| <p>123 <b>Rajasthan State Mines &amp; Minerals Limited</b><br/>4, Meera Marg<br/>Udaipur 313 001<br/>Rajasthan</p>   | <p>133 <b>Roshni Crop Sciences Private Limited</b><br/>Flat No. GF-3, Plot No. 35, Road No.70<br/>HUDA Enclave, Jubilee Hills<br/>Hyderabad 500 033<br/>Telangana</p>                         |
| <p>124 <b>Rajeev Khanna Consulting Inc.</b><br/>E-4, Qutab Hotel Complex<br/>Shaheed Jeet Singh Marg<br/>New Delhi - 110 016</p>   | <p>134 <b>S.L.Dev &amp; Co.</b><br/>75, Link Road<br/>Suite No.102, Lajpat Nagar III<br/>New Delhi - 110 024</p>  |
| <p>125 <b>Rallis India Limited</b><br/>II Floor, III Block, KSCMF Ltd., Building<br/># 8<sup>th</sup> Cunningham Road<br/>Bengaluru 560 052<br/>Karnataka</p>                                    | <p>135 <b>Sabic India Private Limited</b><br/>10<sup>th</sup> Floor, Ambience Corporate Towers II<br/>Ambience Island<br/>Gurugram 122 001<br/>Haryana</p>                                    |
| <p>126 <b>Ramagundam Fertilizers and Chemicals Limited</b><br/>3<sup>rd</sup> &amp; 4<sup>th</sup> Floor, Mohta Building<br/>4, Bhikaji Cama Place<br/>New Delhi - 110 066</p>                   | <p>136 <b>Sai Fertilizers Private Limited</b><br/>21, Princep Street<br/>Kolkata 700 071<br/>West Bengal</p>  |
| <p>127 <b>Ramcides CropScience Private Limited</b><br/>Ramcides House<br/>No.59C, 8<sup>th</sup> Street North Phase<br/>SIDCO Industrial Estate, Ambattur<br/>Chennai 600 098<br/>Tamil Nadu</p> | <p>137 <b>Saigal Seatrade Private Limited</b><br/>J.V. House, 2nd Floor<br/>D.S. Babrekar Marg, Dadar (West)<br/>Mumbai 400 028<br/>Maharashtra</p>   |
| <p>128 <b>ReAgro International</b><br/>404, Star Tower<br/>Sector 30, Silokhera<br/>Gurugram 122 001<br/>Haryana</p>   | <p>138 <b>Saipem India Projects Private Limited</b><br/>4, Yarlagadda Towers, Fourth Lane<br/>Off Nungambakkam High Road<br/>Chennai 600 034<br/>Tamil Nadu</p>                               |
| <p>129 <b>Reliance Industries Limited</b><br/>Industrial Marketing, Building 5-C, 2nd Floor<br/>Reliance Corporate Park<br/>Thane-Belapur Road<br/>Navi Mumbai 400 709<br/>Maharashtra</p>       | <p>139 <b>Samsung C&amp;T Corporation India Private Limited</b><br/>6th Floor, 2A-0601, Two Horizon Centre<br/>Golf Course Road, Sector-43 , DLF Phase-V<br/>Gurugram 122 002<br/>Haryana</p> |
| <p>130 <b>Richfield Fertilisers Private Limited</b><br/>B-27, MIDC Ambad<br/>Nashik 422 010<br/>Maharashtra</p>  | <p>140 <b>Sarat Chatterjee &amp; Co. (Visakhapatnam) Private</b><br/>28-2-47, 1 St Floor<br/>Daspalla Centre Suryabagh<br/>Visakhapatnam 530 020<br/>Andhra Pradesh</p>                       |

- |   |  |
|---|--|
| <p>141 <b>Scientific Agriculture Laboratory Private Limited</b><br/>3/196, Natham Main Road<br/>Manthikulam Villakku, Karuvanur Post<br/>Madurai 625 014<br/>Tamil Nadu</p> | <p>151 <b>Solvay Specialities India Private Limited</b><br/>Equinox Business Park, Tower No.-4<br/>9th Floor, Unit No. 903<br/>L.B.S. Marg, Kurla (W)<br/>Mumbai 400 070<br/>Maharashtra</p> |
| <p>142 <b>Seatrans Marine Private Limited</b><br/>ABIR KUNJ, 2nd Floor<br/>158, Rajdanga Naba Pally, (Besides HDFC Bank)<br/>Kolkata 700 107<br/>West Bengal</p>            | <p>152 <b>Subhashri Bio Energies Private Limited</b><br/>67, Goundampalayam (Village)<br/>Kumaramangalam Post, Tiruchengodu<br/>District Namakkal 637 205<br/>Tamil Nadu</p>                 |
| <p>143 <b>Shail Info</b><br/>B-053, Oakwood Estate<br/>DLF City, Phase-II<br/>Gurugram 122 002<br/>Haryana</p>  | <p>153 <b>Sud-Chemie India Private Limited</b><br/>401/402 - Office Block, DLF Place<br/>Plot : A-4, District Centre, Saket<br/>New Delhi - 110 017</p>                                      |
| <p>144 <b>Shanmukha Agritec Limited</b><br/>7-1-621/98 &amp; 621/34, Opp. Axis Bank<br/>S.R. Nagar Main Road<br/>Hyderabad 500 038<br/>Telangana</p>                        | <p>154 <b>Sulphur Mills Limited</b><br/>604/605, 349-Business Point, 6th Floor<br/>Western Express Highway, Andheri (E)<br/>Mumbai 400 069<br/>Maharashtra</p>                               |
| <p>145 <b>Shiv Sulphuric Solutions (OPC) Private Limited</b><br/>B-2104, Jasmine Tower<br/>Vasant Vihar, Pokhran, Road No.-2<br/>Thane 400 610<br/>Maharashtra</p>          | <p>155 <b>Sun International Private Limited</b><br/>7th Floor, Le Meridien Commercial Tower<br/>Raisina Road<br/>New Delhi - 110 001</p>   |
| <p>146 <b>Shiva Global Agro Industries Limited</b><br/>Near State Bank of India<br/>New Mondha<br/>Nanded 431 602<br/>Maharashtra</p>                                       | <p>156 <b>T.J.Agro Fertilizers Private Limited</b><br/>A-2/3, J.K. Tower<br/>Near Grid, Kabilpore<br/>Navsari 396 424<br/>Gujarat</p>  |
| <p>147 <b>Shree Pushkar Chemicals and Fertilisers Limited</b><br/>404 , Picasso Plaza , above Jyoti Restaurant<br/>Kondhawa Khurd<br/>Pune 411 048<br/>Maharashtra</p>      | <p>157 <b>Technip India Limited</b><br/>Technip Centre<br/>No.19, Velachery Main Road, Guindy<br/>Chennai 600 032<br/>Tamil Nadu</p>   |
| <p>148 <b>Shri Ram Solvent Extractions Private Limited</b><br/>Kashipur Road, Jaspur<br/>District Udham Singh Nagar 244 712<br/>Uttarakhand</p>                             | <p>158 <b>Technology Development Board</b><br/>Wing - A, Ground Floor<br/>Vishwakarma Bhawan<br/>Shaheed Jit Singh Marg<br/>New Delhi - 110 016</p>  |
| <p>149 <b>Silverline Fertilisers Private Limited</b><br/>No.12, Arunachala Apartment<br/>M.G. Road, Shastri Nagar, Thiruvemiyur<br/>Chennai 600 041<br/>Tamil Nadu</p>      | <p>159 <b>Tecnimont Private Limited</b><br/>Building No.-2, Plot No.504<br/>Chincholi Bunder, Link Rd., Malad (W)<br/>Mumbai 400 064<br/>Maharashtra</p>                                     |
| <p>150 <b>Sim Infosystems Private Limited</b><br/>No.11, 1st Cross Street,<br/>Nehru Nagar, Kottivakkam,<br/>Chennai 600 041<br/>Tamil Nadu</p>                             | <p>160 <b>Teesta Agro Industries Limited</b><br/>P.O. Rajganj<br/>Distt. Jalpaiguri<br/>Jalpaiguri 735 134<br/>West Bengal</p>   |

- |  |  |
|--|--|
| <p>161 <b>Tessengerlo Kerley India Private Limited</b><br/>A-303, Park View City - 1<br/>Sector - 48, Sohna Road<br/>Gurugram 122 018<br/>Haryana</p>  | <p>170 <b>The Vidarbha Cooperative Marketing Society Limited</b><br/>Industrial Area<br/>Model Mill Road, Ganeshpeth<br/>Nagpur 440 018, Maharashtra</p>   |
| <p>162 <b>The Andhra Pradesh State Co-operative Marketing Federation Limited</b><br/>5-2-68, 3<sup>rd</sup> Floor, Mahatma Gandhi Markfed Bhavan<br/>Jambagh<br/>Hyderabad 500 095, Telangana</p>                      | <p>171 <b>The West Bengal State Cooperative Marketing Federation Limited</b><br/>Southend Conclave, 3rd Floor, (KMDA Building)<br/>Opposite Siemens, 1582, Rajdanga Main Road<br/>Kolkata 700 017, West Bengal</p> |
| <p>163 <b>The Gujarat State Cooperative Marketing Federation Limited</b><br/>N.P. Patel Sahkar Bhavan,<br/>49, Shrimali SO. Opposite Navrangpura Police<br/>Station, Navrangpura<br/>Ahmedabad 380 009<br/>Gujarat</p> | <p>172 <b>ThyssenKrupp Industrial Solutions (India) Private Limited</b><br/>Uhde House, Lal Bahadur Shastri Marg<br/>Vikhroli (W)<br/>Mumbai 400 083<br/>Maharashtra</p>   |
| <p>164 <b>The Haryana State Cooperative Supply and Marketing Federation Limited</b><br/>Hafed Complex, Sector - 5<br/>Panchkula 134 114, Haryana</p>   | <p>173 <b>TLI Tradelink India General Trading LLP</b><br/>Workloft, 61 DER Deutsche Parkz,<br/>Subhash Nagar Road, Nahur West,<br/>Mumbai 400 078<br/>Maharashtra</p>  |
| <p>165 <b>The Karnataka State Co-operative Marketing Federation Limited</b><br/>No.-8, Cunningham Road<br/>Post Box No. 130<br/>Bengaluru 560 001, Karnataka</p>   | <p>174 <b>Toyo Engineering India Private Limited</b><br/>214, Splendor Forum, Jasola District Centre<br/>Near Apollo Hospital<br/>New Delhi - 110 044</p>  |
| <p>166 <b>The Kerala State Co-operative Rubber Marketing Federation Limited</b><br/>P.B. No.15, Gandhi Nagar<br/>Kochi 682 020<br/>Kerala</p>  | <p>175 <b>Tradex India Corporation Private Limited</b><br/>C-15, Qutab Institutional Area<br/>New Delhi - 110 016</p>  |
| <p>167 <b>The Madhya Pradesh State Cooperative Marketing Federation Limited</b><br/>P.O. Jehangirabad<br/>Bhopal 462 008<br/>Madhya Pradesh</p>  | <p>176 <b>Trammo India Private Limited</b><br/>Commodities Division<br/>Unit No.O-503 A, 5th Floor<br/>Salcon Rasvilas, D-1, District<br/>Centre Saket,<br/>New Delhi - 110 017</p>                                |
| <p>168 <b>The Maharashtra Agro-Industries Development Corporation Limited</b><br/>Krushi Udyog Bhavan,<br/>Dinkarrao Desai Marg, Aarey Colony,<br/>Goregaon (East)<br/>Mumbai 400 063<br/>Maharashtra</p>              | <p>177 <b>Trans Farm (Private) Limited</b><br/>Mahak Apartments<br/>1st Floor, Road # 13, Banjara Hills<br/>Hyderabad 500 034<br/>Telangana</p>  |
| <p>169 <b>The Maharashtra State Cooperative Marketing Federation Limited</b><br/>Kanmoor House<br/>P.B. No. 5080, Narsi Natha Street<br/>Mumbai 400 009<br/>Maharashtra</p>  | <p>178 <b>Transworld Furtichem Private Limited</b><br/>Office No.1802, The Affairs,<br/>Sector - 17, Plot No. 09, Sanpada<br/>Navi Mumbai 400 705<br/>Maharashtra</p>  |
|  | <p>179 <b>Trimex Industries Limited</b><br/>Trimex Tower, No.1, Subbaraya Avenue<br/>C.P. Ramaswamy Road, Alwarpet<br/>Chennai 600 018<br/>Tamil Nadu</p>  |



- |   |  |
|---|--|
| <p>180 <b>Tubacex Service Solutions India Private Limited</b><br/>402 A, Platina, G-Block<br/>Bandra Kurla Complex, Bandra (East)<br/>Mumbai 400 051, Maharashtra</p> <p>181 <b>Universal Industries</b><br/>B-8, Industrial Estate<br/>Bazpur Road<br/>Kashipur 244 713<br/>Uttarakhand</p> <p>182 <b>Universal Speciality Chemicals Private Limited</b><br/>'Universal House', A/28 Kamgar Nagar Co.Op.<br/>Hsg. Soc.<br/>S. G Barve , Near Nandikeshwar Mandir, Kurla East<br/>Mumbai 400 024<br/>Maharashtra</p> <p>183 <b>Uralkali Trading SIA</b><br/>303, Eros Corporate Tower<br/>Nehru Place<br/>New Delhi - 110 019</p> <p>184 <b>Usashi Bio-Research Private Limited</b><br/>594/1, Dakshindari Road, Bima Abasan<br/>Flat No. E-2/1, First Floor, Post Office Sreebhumi<br/>Kolkata<br/>West Bengal - 700 048</p> <p>185 <b>Vanita Agrochem (India) Private Limited</b><br/>Gat No. 1036 and 1037,<br/>Takawade - Sangli Naka Road, A/P - Takawade<br/>Tal : Shirol<br/>Dist. Kolhapur 416 121<br/>Maharashtra</p> <p>186 <b>Vardhman Fertilizers &amp; Seeds Private Limited</b><br/>B-1, Vidha Cooperative Society<br/>73/1, Erandwane<br/>Pune 411 004<br/>Maharashtra</p> <p>187 <b>Varun Fertilizers Private Limited</b><br/>South Tukoganj<br/>Indore 452 001, Madhya Pradesh</p> <p>188 <b>Vasu Chemicals LLP</b><br/>Opposite Blossom Soc., Military Road<br/>Marol, Andheri (E)<br/>Mumbai 400 059<br/>Maharashtra</p> <p>189 <b>VBC Fertilizers and Chemicals Limited</b><br/>2nd Floor, Progressive Towers<br/>Khairatabad<br/>Hyderabad 500 004<br/>Telangana</p> | <p>190 <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>191 <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> |
|---|--|

## OVERSEAS ASSOCIATE MEMBERS

- 1 **Agrifields DMCC**  
705, JBC5, Jumeirah Lake Towers  
PO Box 111225  
Dubai, UAE
- 2 **Argus Media Singapore Group Pte Limited**  
50 Raffles Place, #10-01  
Singapore Land Tower  
Singapore 048623
- 3 **Aries Fertilizers Group Pte Limited**  
#10-10, 6 Shenton Way  
DBS Building Tower Two  
Singapore 068809
- 4 **Canpotex International Pte. Limited**  
38, Beach Road, Phalaborwa  
1390, Transval, # 17-13, South Beach Tower  
Singapore 189767
- 5 **CRU Analysis and consulting (India) Private Limited**  
B/407, Fourth Floor, Citi Point, J.B.Nagar  
Next to Kohinoor Hotel, Andheri Kurla Road  
Andheri (East)  
Mumbai 400 059, Maharashtra
- 6 **Foskor Limited**  
P.O. Box 1  
Phalaborwa 1390, Transval  
Republic of South Africa
- 7 **ICIS**  
Quadrant House  
The Quadrant, Sutton  
Surrey, 5M2 5A5  
United Kingdom
- 8 **ICL Fertilizers**  
Potash House P.O.B. 75  
Beer-Sheva, 84100  
Israel

- |   |   |
|---|---|
| <p>9 <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>10 <b>Jaingsu New Century Jiangan Environmental Protection Co. Limited</b><br/>29, Suyuan Avenue, Jiangning District<br/>Nanjing 211100<br/>P.R. China</p> <p>11 <b>Jordan Phosphate Mines Co. S.A.</b><br/>P.O. Box No.30<br/>Amman, Jordan</p> <p>12 <b>JSC NIIK</b><br/>Russia, Nizhny Novgorod region<br/>Griboedov Street, 31, 606008<br/>Dzerzhinok 606008, Russia</p> <p>13 <b>Kingenta Ecological Engineering Group Company Limited</b><br/>No. 19 of Xing Da West Street Linshu<br/>Shandong Province, China</p> <p>14 <b>Kisan International Trading FZE</b><br/>Emaar Business Park # 2<br/>Office EMO 562, Jebel Ali, P.O. Box 261835<br/>Dubai, UAE</p> <p>15 <b>Koch Fertilizer LLC</b><br/>4111 E, 37 Street North Wichita<br/>Kansas 67220, USA</p> | <p>16 <b>Ma'aden Phosphates Company</b><br/>P.O. Box 11110, Al-Jubail-31961<br/>Kingdom of Saudi Araba</p> <p>17 <b>OCP S.A.</b><br/>Direction Commerciale<br/>Angle Route d E1 Jadida et Boulevard, Dela Grande<br/>Ceinture, Casablanca, Morocco</p> <p>18 <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>19 <b>Saudi Arabian Mining Company "Ma'aden"</b><br/>P.O. Box 68861<br/>Riyadh 11537, Kingdom of Saudi Arabia</p> <p>20 <b>Stamicarbon B.V.</b><br/>Mercator 3, 6135 KW Sittard<br/>P.O. Box 53<br/>6160, AB Geleen, The Netherlands</p> <p>21 <b>The Arab Potash Company Limited</b><br/>P.O. Box 1470<br/>Amman 11118, Jordan</p> <p>22 <b>Tuv Austria</b><br/>603B, Sama Tower<br/>Sheikh Zayed Road<br/>Dubai, U.A.E.</p> <p>23 <b>UreaKnowHow.com</b><br/>Cannerweg 123<br/>6213 BA Maastricht, The Netherlands</p> |
|---|---|

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

### Associate Members

1. M/s. Cooperatieve Rabobank U.A., Mumbai
2. M/s. Criyagen Agri and Biotech Private Limited, Bengaluru
3. M/s. Fair Lead Marine Services, Kutch, Gujarat
4. M/s. Indian Micro-Fertilizers Manufacturers Association (IMMA), Pune
5. M/s. Krishi Rasayan Exports Private Limited, New Delhi
6. M/s. Mahamaya Enterprise, Kolkata
7. M/s. Prathista Industries Limited, Secunderabad
8. M/s. Pushpa J. Shah, Dist. Bharuch, Gujarat
9. M/s. Shanmukha Agritec Limited, Hyderabad

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

### Active Members

1. M/s. The State Trading Corporation of India Limited

**Associate Members**

1. M/s. Analyser Instrument Co. Private Limited, Kota
2. M/s. Harshadray Private Limited, New Delhi
3. M/s. Oxbow Energy Solutions BV, Thane
4. M/s. P.I. Industries Limited, Gurugram
5. M/s. Poorti Agri Services Private Limited, Mumbai
6. M/s. Prima Equipment, Vadodara
7. M/s. Raindia Chemicals Private Limited, New Delhi
8. M/s. Sriganesh Fertilizers & Chemicals Private Limited, Indore

**Overseas Associate Members**

1. M/s. Agripower Australia Limited, Australia
2. M/s. Haldor Topse A/S, Denmark
3. M/s. Qatar Fertiliser Co. (SAQ)
4. M/s. Quantum Fertilisers Ltd., Hong Kong
5. M/s. Ruwais Fertilisers Industries (FERTIL), UAE

*The following have been enrolled to be members of FAI w.e.f. 1.4.2021.*

**Associate Members**

1. M/s. Agro Service Center, Harda, M.P.
2. M/s. BIOFAC Inputs Private Limited (BIOFACTOR), Hyderabad
3. M/s. Oasis Chemical Industries, Distt. Thane
4. M/s. The World Bank (IBRD), New Delhi
5. M/s. Timac Agro India Private Limited, Chennai

**Change of Company Name**

**Active Members**

1. M/s. IRC Agrochemicals Private Limited to M/s.Indorama India Private Limited

**Associate Members**

1. M/s. H-Energy Gas marketing Private Limited to M/s.HE Marketing Private Limited



### 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.

III. Particulars of Holding, Subsidiary and Associate companies : NIL

IV. Share Holding Pattern (Equity Share capital Breakup as percentage of Total Equity) : N.A

V. Indebtedness : NIL

**VI. Remuneration of Director General\***

		<b>Rs.</b>
i)	Salary	50,70,427
ii)	Perquisites	21,39,890
iii)	Others	24,10,951
	<b>Total</b>	<b>96,21,268</b>

VII. Penalties/Punishment/Compounding of Offences : NIL

**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.	396 <sup>th</sup>	19 <sup>th</sup> June, 2020
2.	397 <sup>th</sup>	28 <sup>th</sup> August, 2020
3.	398 <sup>th</sup>	6 <sup>th</sup> December, 2020

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

**c) Directors Responsibility Statement**

- i. In the preparation of the annual accounts, the applicable accounting standards had been followed along with proper explanation relating to material departures;
  - ii. The Directors had selected such accounting policies and applied them consistently and made judgements and estimates that are reasonable and prudent so as to give a true and fair view of the state of affairs of the company at the end of the financial year and of the income and expenditure of the company for that period;
  - iii. The Directors had taken proper and sufficient care for the maintenance of adequate accounting records in accordance with the provisions of this Act for safeguarding the assets of the company and for preventing and detecting fraud and other irregularities;
  - iv. The Directors had prepared the annual accounts on a going concern basis and
  - v. The Directors had devised proper systems to ensure compliance with the provisions of all applicable laws and that such systems were adequate and operating efficiently.
- d) The amounts, if any, which it proposes to carry to any reserves      Rs. 44,25,190/-
- e) Foreign Exchange earnings and outgo
- |             |                 |
|-------------|-----------------|
| i) Earnings | Rs. 86,86,173/- |
| ii) Out go  | Rs.15,651/-     |



## 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 2021 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 2021, 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 has a pending rectification before the Income Tax Department for the financial year 2017-18 (under the Income Tax Act, 1961).*
- ◆ 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 2021 taken on record by the Board of Directors, none of the directors is disqualified as on 31 March 2021 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: 21086742AAAAIV1961

Place: Delhi

Date: 24/08/2021

**THE FERTILISER ASSOCIATION OF INDIA**  
**BALANCE SHEET**  
As on 31 March 2021

(Amount in INR)

As at March 31,2020	Liabilities	As at March 31,2021	As at March 31,2020	Assets	As at March 31,2021
	<b>Reserves and Surplus</b>			<b>Fixed Assets (Net block)</b>	
1,967,164	General Reserve	1,967,164		(As Per Schedule "A")	
	<b>Income and Expenditure Account</b>			Gross cost	60,391,877
232,206,929	As per Previous year balance sheet	245,143,729	32,227,485	Less: Depreciation	30,180,108
12,936,800	Add: Excess of income over expenditure as per annexed account	4,425,190		<b>Earmarked Accounts</b>	
	<b>Earmarked Accounts</b>		251,536,083	(Per contra)	
	(Invested per contra)			<b>The Sulphur Institute (TSI) Awards</b>	
	<b>The Sulphur Institute (TSI) Awards</b>		510,563	As per schedule 'D(i)	522,787
510,563	Balance as per schedule 'B (i)	522,787		<b>International Plant Nutrition Institute of Canada (IPNI) Awards</b>	
	<b>International Plant Nutrition Institute of Canada (IPNI) Awards</b>		207,644	(As per Schedule 'D(iii))	213,894
	Funds received from International Plant Nutrition Institute of Canada- India Programme represented by IPNI India and Bangladesh Program, Gurgaon			<b>National Fertilizers Limited (NFL) Awards</b>	
207,644	Balance as per schedule 'B (ii)	213,894	639,446	(As per Schedule 'D(iii))	670,324
	<b>National Fertilizers Limited (NFL) Awards</b>			<b>Golden Jubilee Endowment Fund (GJEF)</b>	
	Funds received from National Fertilizers Limited, New Delhi		5,459,268	(As per Schedule 'D(iv))	5,743,227
639,446	Balance as per schedule 'B (iii)	670,324	95,228	<b>Non-Current Loans &amp; Advances</b>	7,150,232
	<b>Golden Jubilee Endowment Fund (GJEF)</b>			<b>Current Assets, Loans and Advances</b>	95,228



**THE FERTILISER ASSOCIATION OF INDIA**  
**BALANCE SHEET**  
As on 31 March 2021

As at March 31, 2020	Liabilities	As at March 31, 2021	As at March 31, 2020	Assets	As at March 31, 2021
5,459,268	Balance as per schedule B(iv)	7,150,232	488,548	(i) Stock of Paper (at cost)	194,854
40,590,036	Agriculture promotion project (As per schedule C(i))	39,870,036		(ii) Sundry Debtors	
	<u>Current Liabilities and Provisions</u>			Unsecured	
	<b>A. Current Liabilities</b>			(a) Outstanding for a period exceeding six months	
399,367	Govt. Dues			Considered good	3,515,323
	<b>Sundry creditors</b>			Considered doubtful	503,085
3,985,535	Dues of other than small scale industrial undertakings			<b>Sub Total</b>	4,018,408
20,116,712	Advances received against membership subscription, training fees, rent, advertisements and research project		4,500,408	<b>Less: Provision for doubtful debts</b>	3,515,323
	<b>B. Other Current Liabilities</b>			(b) Other debts	
-	Expenses Payable			Considered good	4,440,815
2,304,314	Other Liabilities			Considered doubtful	-
	<b>C. Provisions</b>			<b>Sub Total</b>	4,440,815
6,124,646	Provision for expenses	27,299,133	8,529,763	<b>Less: Provision for doubtful debts</b>	-
				(iii) Cash and Bank Balances	
			43,356	Cash and cheques on hand	20,497
				<b>Balance with scheduled banks</b>	
			874,001	On current accounts	1,207,683
			214,417,229	On deposit accounts	226,167,316
			7,182,757	On saving bank accounts	240,756,996

**THE FERTILISER ASSOCIATION OF INDIA**  
**BALANCE SHEET**  
 As on 31 March 2021

As at March 31,2020	Liabilities	As at March 31,2021	As at March 31,2020	Assets	As at March 31,2021
				(iv) Loans and Advances	
				(Unsecured and considered good)	
			11,783,394	Advances recoverable in cash or in kind or for value to be received	11,135,524
			25,094,105	Income-tax deducted at source	24,092,151
			15,395,229	Interest accrued on deposits	4,262,591
<b>327,448,424</b>		<b>325,855,483</b>	<b>327,448,424</b>		<b>288,398,254</b>
					<b>325,855,483</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: 21086742AAAAAIV1961

Place: New Delhi  
 Date: 24/08/2021

**D. Ramakrishnan**  
 (Secretary & Treasurer)

**Satish Chander**  
 (Director General)

**K.S. Raju**  
 (Chairman)

**THE FERTILISER ASSOCIATION OF INDIA**
**INCOME AND EXPENDITURE ACCOUNT**

for year ended on 31 March 2021

Previous year	Expenditure	Current year	Previous year	Income	Current year
42,329,119	Salaries and wages	44,622,969		Entrance fee from members	
3,975,504	Contributions to provident fund	4,151,008	7,500	Associate	4,500
4,699,530	Contributions to superannuation and other funds	5,130,535			
3,848,426	Contribution to gratuity fund	2,465,488		Membership fees from members	
2,164,211	Contribution to leave encashment assurance scheme	537,946	24,942,000	Active	25,004,000
3,006,182	Staff welfare expenses	2,549,681	3,580,000	Associate	2,980,000
5,077,412	Cost of publications (excluding overheads)	3,151,931	3,374,477	Overseas associate	3,569,493
638,678	Workshops, seminars, meetings etc.	16,415	260,000	Technical and professional associate	199,500
25,708,320	Annual Seminar Expenses	7,822,788	1,439,310	Website - subscription	1,192,224
1,988,556	Rates and taxes	1,915,600			
1,718,199	Electricity and water (net of recoveries)	1,381,028	15,203,436	Rent (gross) (Tax deducted at source Rs.1479272/-)	16,005,940
126,004	Insurance	130,532	4,859,546	Advertisement revenue (Tax deducted at source Rs.66878/- previous year was Rs. 41381/-)	4,704,521
1,477,466	Printing, Stationary & communication	1,046,038	2,018,111	Sale of association's publications, FAI-training courses for technical / marketing personnel, Industry agronomist etc. (per Schedule E annexed)	1,078,873
237,600	Journals and periodicals	61,856		Training fee received	2,964,307
3,724,352	Travelling and conveyance	621,638	4,073,776	Less: Training Programme expenses (excluding overheads)	651,994
	Repairs and maintenance		51,925,433	Annual Seminar Receipts	19,064,346
80,264	Building	58,565.00		Interest received from: (Gross)*	
265,109	Plant and machinery	199,318		Deposits with banks	13,137,993.79
675,457	Others	601,236		Less: Transferred to:	
404,665	Security charges (Building)	303,217		TSI Award	12,224
297,959	Bad debts written off	382,793		IPNI Award	6,250
-	Provision for Doubtful debt	197,039		NFL Award	30,878

**THE FERTILISER ASSOCIATION OF INDIA**

**INCOME AND EXPENDITURE ACCOUNT**  
for year ended on 31 March 2021

Previous year	Expenditure	Current year	Previous year	Income	Current year
2,936,064	Depreciation	2,111,563		G/E Fund	283,959
3,387,649	Professional & Consultancy Charges	2,348,999	14,864,401	Subtotal	12,804,683
140,000	Audit fee	200,000	137,381	Loans to staff	94,222
3,094	Loss on sale of fixed assets	3,050	344,724	Income Tax Refund	254,870
622,253	Exchange fluctuations	199,216	-	Provision for Doubtful Debts written back	109,478
4,670,074	Miscellaneous expenses	3,157,142	108,853	Miscellaneous receipts	413,818
12,936,800	Balance being excess of income over expenditure for the year carried to balance sheet	4,425,190			
<b>127,138,947</b>		<b>89,792,780</b>	<b>127,138,947</b>		<b>89,792,780</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:

Place: New Delhi  
Date: 24/08/2021

**D. Ramakrishnan**  
(Secretary & Treasurer)

**Satish Chander**  
(Director General)

**K.S. Raju**  
(Chairman)

**Schedule "A"**

**Schedule - A to F Annexed to and forming part of the accounts**

**Fixed Assets as on 31 March 2021**

(Amount in INR)

Particulars	GROSS BLOCK AT BLOCK VALUE				DEPRECIATION				NET BLOCK	
	As at 1.4.2020	Additions during the year	Deductions during the year	As at 31.3.2021	As at 1.4.2020	For the year	Deductions during the year	As at 31.3.2021	As at 31.3.2021	As at 31.3.2020
Leasehold Land-FAI, Delhi	144,904.10	-	-	144,904.10	-	-	-	-	144,904.10	144,904.10
Buildings	35,688,400.00	-	-	35,688,400.00	8,569,000.66	670,988.70	-	9,239,989.36	26,448,410.64	27,119,399.34
Airconditioning plant and diesel generator set	5,514,783.00	-	-	5,514,783.00	3,154,139.55	298,343.51	-	3,452,483.06	2,062,299.94	2,360,643.45
Furniture & Fittings etc.	7,761,800.93	-	-	7,761,800.93	6,603,074.27	490,500.48	-	7,093,575.00	668,225.93	1,158,725.78
Office Equipment, Air Conditioners etc.	2,783,742.66	17,695.00	-	2,801,437.66	2,447,285.61	126,335.78	-	2,573,622.00	227,815.66	336,457.05
Vehicle	4,572,205.00	-	55,000.00	4,517,205.00	3,737,612.03	362,943.90	45,949.86	4,054,606.07	462,598.93	834,592.97
Computers	3,876,143.26	87,202.88	-	3,963,346.14	3,603,381.14	162,450.52	-	3,765,832.00	197,514.14	272,762.12
<b>Total</b>	<b>60,341,978.95</b>	<b>104,897.88</b>	<b>55,000.00</b>	<b>60,391,876.83</b>	<b>28,114,493.26</b>	<b>2,111,562.88</b>	<b>45,949.86</b>	<b>30,180,107.49</b>	<b>30,211,769.34</b>	<b>32,227,484.81</b>
<b>Total Previous Year</b>	<b>56,123,368.19</b>	<b>4,316,993.76</b>	<b>98,383.00</b>	<b>60,341,978.95</b>	<b>25,265,323.85</b>	<b>2,936,064.45</b>	<b>86,895.05</b>	<b>28,114,493.26</b>		<b>32,227,484.81</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
494,485.00	Balance as per last year's Balance Sheet	510,563.00
16,078.00	Add: Interest received / accrued on deposits during the year	12,224.00
510,563.00	<b>Sub total</b>	522,787.00
-	Less: Awards	-
<b>510,563.00</b>	<b>Balance</b>	<b>522,787.00</b>

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

(Amount in INR)

Previous Year	Particulars	Amount
200,753.00	Balance as per last year's Balance Sheet	207,644.00
6,891.00	Add: Interest received / accrued on deposits during the year	6,250.00
207,644.00	<b>Sub total</b>	213,894.00
	Less: Awards	
<b>207,644.00</b>	<b>Balance</b>	<b>213,894.00</b>

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

(Amount in INR)

Previous Year	Particulars	Amount
608,045.00	Balance as per last year's Balance Sheet	639,446.00
31,401.00	Add: Interest received / accrued on deposits during the year	30,878.00
639,446.00	<b>Sub total</b>	670,324.00
-	Less: Awards	-
<b>639,446.00</b>	<b>Balance</b>	<b>670,324.00</b>

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

(Amount in INR)

Previous Year	Particulars	Amount
5,194,664.00	Balance as per last year's Balance Sheet	5,459,268.00
264,604.00	Add: Interest received / accrued on deposits during the year	283,959.00
5,459,268.00	<b>Sub total</b>	5,743,227.00
	Less: Awards	-
<b>5,459,268.00</b>	<b>Balance</b>	<b>5,743,227.00</b>

### Schedule C (i) - Agriculture Promotional Projects as at March 31, 2021

(Amount in INR)

Previous year	Particulars	Current year
41,468,646	Balance as per last year's Balance Sheet	40,590,036
	<b>Add:</b>	
-	Funds received during the year	-
<b>41,468,646</b>	<b>Total (A)</b>	<b>40,590,036</b>
	<b>Less:</b>	
	Awards	-
720,000	Honorarium	720,000
8,610	Miscellaneous Expenses	-
150,000	Project on doubling the income of Farmers	-
<b>878,610</b>	<b>Total (B)</b>	<b>720,000</b>
<b>40,590,036</b>	<b>Balance (A-B)</b>	<b>39,870,036</b>

### Schedule "D" Application of funds received

D (i) TSI Schedule

(Amount in INR)

Previous Year	Particulars	Current Year
-	Deposit with scheduled bank	-
490,022	Bank Balance with a scheduled bank in saving bank account	502,246
-	Interest accrued on deposits	-
20,541	T.D.S. recoverable	20,541
<b>510,563</b>	<b>Total</b>	<b>522,787</b>

## D(ii) IPNI

(Amount in INR)

Previous Year	Particulars	Current Year
-	Deposit with scheduled bank	-
205,504	Bank Balance with a scheduled bank in saving bank account	211,754
-	Interest accrued on deposits	-
2,140	T.D.S. recoverable	2,140
<b>207,644</b>	<b>Total</b>	<b>213,894</b>

## D(iii) NFL

(Amount in INR)

Previous Year	Particulars	Current Year
368,000	Deposit with scheduled bank	368,000
266,904	Bank Balance with a scheduled bank in saving bank account	<b>297,791</b>
3,721	Interest accrued on deposits	3,712
821	T.D.S. recoverable	821
<b>639,446</b>	<b>Total</b>	<b>670,324</b>

## D(iv)GJEF

(Amount in INR)

Previous Year	Particulars	Current Year
2,618,274	Deposit with scheduled bank	5,073,000
2,692,544	Bank Balance with a scheduled bank in saving bank account	<b>492,422</b>
121,537	Interest accrued on deposits	150,892
26,913	T.D.S. recoverable	26,913
<b>5,459,268</b>	<b>Total</b>	<b>5,743,227</b>



**Schedule E - Receipts and Expenses against the Training courses for Technical, Marketing Personnel Industry etc. held during the year ended on 31 March 2021**

(Amount in INR)

Previous year	Particulars	Current Year
10,569,472	Training Fees Received (A)	2,964,307
	<b>Less: Expenses Incurred</b>	
3,903,511	Boarding & Lodging	489,788
359,160	Travel & conveyance Expenses	18,222
84,250	Honorarium	27,000
18,415	Photographs	-
2,130,360	Miscellaneous Expenses	116,984
<b>6,495,696</b>	<b>Total (B)</b>	<b>651,994</b>
<b>4,073,776</b>	<b>Net Receipt [(A)-(B)]</b>	<b>2,312,313</b>

## 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 till ready to use.
- 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:

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

- 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.
- 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 year-end by taking the last drawn salary into account.
- The provision for leave encashment has been short by INR 2,092,550 on account of contribution to be made for employees who are above the age of 60 years and the same is expected to be recovered from the interest earned on the fund value of INR 20,492,161 @ 7%.

##### 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 year-end is charged to the income and expenditure account.

- 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.
- 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 Interest on Fixed Deposits with banks and companies has been calculated on day basis based on the calculation done by banks.
- 6 Cost of publications is charges off in the year, in which such expenditure is incurred.
- 7 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.
- 8 Funds received under Agriculture Promotion Project (APP) and Agriculture Promotion Project- Public Relation and expenditure incurred under the projects and credited / debited directly to the respective projects.

(Amount in INR)

		Current Year	Previous Year
9	Honorarium to faculty members and ex-gratia payments to staff have been debited to other heads such as FAI Training courses, Seminars etc.	6190257	9,160,722
10	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.	9,621,268	9,080,900
11	Auditors' remuneration (excluding Goods & Service Tax)		
	Statutory Audit Fee	110,000	110,000
	GST Audit Fees (2018-19 and 2019-20)	80,000	30,000
	PF Trust Audit Fees	10,000	0
	Management Services	0	53,000
12	Expenditure in foreign currency on account of:		
	a) Subscription to foreign journals and books	0	97,720
	b) Membership of foreign organizations (cash basis)	15,651	14,703
	c) Foreign Travel	0	1,209,639
13	Earnings in foreign exchange (cash basis) for sale of publications, advertising, membership fees etc.	8,686,173	34,603,232

- 14 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.
- 15 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.
- 16 Inventory of unused paper supplies are valued at cost based on weighted average method.
- 17 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.
- 18 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 2021 are as under:

(Amount in INR)

Description of the asset	Gross carrying Amount	Depreciation for the year	Accumulated depreciation
Building	5,550,846	91,612	1,863,777

**19 Litigation in favor of the Association; however, challenged by the Income Tax Authority in the Apex Court**

- i. The Deputy Director 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, and proceedings in progress. A lump sum payment of INR 850,000 has been made against this demand and classified under "Advances recoverable in cash or kind". The CIT vide his order dated 31.12.2014 partly allowed the appeal. Therefore, an appeal was filed before the Hon'ble Income Tax Appellate Tribunal, New Delhi on 05.03.2015. The Hon'ble Income Tax Appellate Tribunal, New Delhi allowed the appeal of the Association vide its Order dated 27<sup>th</sup> March, 2017. Commissioner of Income Tax (Exemptions) appealed to Hon'ble High Court Delhi on 6<sup>th</sup> September, 2017 praying for setting aside the order of ITAT). The Hon'ble High Court Delhi, in its Order dt 13<sup>th</sup> November 2017, dismissed this appeal of CIT (Exemptions).
- ii. The Income-tax Officer (Exemption), New Delhi has raised income tax demand of INR 13,938,530 (including interest) in assessment under section 143(3) of the Income Tax, 1961 for assessment year corresponding to financial year 2010-11. The Association has filed an appeal before Commissioner of Income Tax (Appeal) on 28.04.2014. The amount of Rs 70,00,000 also has been made against this demand and classified under "Advances recoverable in cash or kind" Ld CIT vide his order dated 19/07/2016 confirmed the action of A O with regard to denial of exemption under sections 11 and 12 of the Income Tax Act 1961. Against the order of Ld.CIT the Association filed an appeal before Hon'ble Income Tax Appellate Tribunal, New Delhi on 27<sup>th</sup> September 2016. The Hon'ble Income Tax Appellate Tribunal, New Delhi allowed the appeal of the Association vide its Order dated 9<sup>th</sup> May 2017. Commissioner of Income Tax (Exemptions) appealed to Hon'ble High Court Delhi on 6<sup>th</sup> September, 2017 praying for setting aside the order of ITAT. The Hon'ble High Court Delhi, in its Order dt 13<sup>th</sup> November 2017, dismissed this appeal of CIT (Exemptions).  
The Commissioner of Income Tax has filed Special Leave petition in the Hon'ble Supreme Court CA No 010593 Registered on 13.10.2018 against above two orders of the High Court. The Special Leave Petitions were dismissed by the Honorable Supreme Court by Orders dated 2.12.2019 and 14.1.2020. Now we are waiting for the refund of tax. Also, advance payment of tax of Rs.850,000 for FY 2009-10 and Rs.7,000,000 for FY 2010-11 yet to be refunded by the IT department.
- iii) Deputy Commissioner of Income Tax (Exemption), New Delhi has raised a income tax demand of INR 88,02,450/= (including interest) in assessment under section 143(3) for Assessment year 2014-15 corresponding to Financial year 2013-14. The Association has filed an appeal before Commissioner of Income Tax (Appeal) on 18.1.2017. Hon'ble CIT partly allowed FAI's appeal which includes major grounds of appeal vide his order dated 19.11.2018. Dy Commissioner of Income Tax (Exemptions) appealed to Hon'ble ITAT on 4<sup>th</sup> February 2019 against the order of Hon'ble CIT. Hon'ble ITAT dismissed the appeal of the Revenue in their Consolidated Order on 28.8.2019 and we are waiting for refund.

**20 Contingent Liabilities**

- i) Asst. Commissioner of Income Tax (Exemption), New Delhi has raised an income tax demand of INR 1,31,53,950/= (including interest) in assessment under section 143(3) for assessment year 2015-16 corresponding to financial year 2014-15. The Association has filed an appeal before Commissioner of Income Tax (Appeal) on 5.1.2018. The hearings are over and reserved for judgement.
- ii) FAI's income tax return for the financial year 2017-18 corresponding to the Assessment year 2018-19 showing NIL income was selected for scrutiny and e-proceedings were carried out by the Income Tax Department. After the assessment the Assessment Order dated 02/03/2021 was issued by the Department accepting NIL income. However, Department raised demand of Income tax payment of Rs.5,50,68,075/= . due to wrong computation of income by not taking in to account the deductible amount of Rs.12,70,68,577/= The case was represented to the Department for rectification of the computation. Till date the Department not carried out the rectification.

21 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: 21086742AAAAIV1961  
Place: New Delhi  
Date: 24/08/2021

**D. Ramakrishnan**  
(Secretary & Treasurer)

**Satish Chander**  
(Director General)

**K.S. Raju**  
(Chairman)

## SENIOR STAFF OF FAI

### CENTRAL OFFICE

Shital S. Bhende	Senior Agronomist
Rama Gupta	Senior Officer (Accounts)
Anita Kumari	Senior Officer (Publicity)
Yatika Gupta	Economist
Lalit Kumar	Agronomist
Chanchal Soni	Statistical Officer
Aditya Jain	Technical Officer
Celine George	Officer (Secretarial)
Ajay Kumar	Junior Officer
Prakash Kumar	Junior Officer (Accounts)
Ajendra Bhargav	Junior Officer (IT)

### REGIONAL OFFICES

#### EAST

Dilip Kumar Dey	Senior Officer (Accounts)
-----------------	---------------------------

#### NORTH

Harinder Kaushik	Officer
------------------	---------

#### SOUTH

S.Venkatesan	Senior Statistical Officer
--------------	----------------------------

#### WEST

Shilpa K.Chirke	Officer
-----------------	---------





# FAI ANNUAL SEMINAR 2020

## FERTILISER AND AGRICULTURE DURING COVID-19

7th-9th DECEMBER, 2020



**K.S. RAJU**  
Chairman

The Fertiliser Association of India  
New Delhi

# Agriculture Sector: Central to Revival of Pandemic-hit Indian Economy



India, along with other countries of the world, is passing through the unprecedented health and economic crisis created by the Corona Virus Disease Covid-19 pandemic. India has seen over 9.5 million Covid cases by the end of November 2020, with a recovery rate of about 93% and case fatality rate of about 1.5%. All economic activities have been severely affected all over the world due to the pandemic. The International Monetary Fund (IMF) estimates that global economy will contract 4.4% this year, making the worst annual plunge since the Great Depression of the 1930s. Indian economy has been more severely affected by the pandemic. In first quarter of the financial year that ended in June, 2020, the Indian economy contracted by 23.9% with a 40% drop in manufacturing and muted activity. India's GDP contraction forecast for the current fiscal (2020-21) ranges from 9.5% (RBI) to 10.3% (IMF). All sectors of economy except agriculture have been hit to a varying extent. The agriculture sector is the lone bright spot which grew at 3.4 percent. This sector is continuing to show resilience in the face of one of the most disruptive crisis the world has ever seen. An attempt has been made in this article to identify the impact of Covid-19 on Indian agriculture and fertiliser sectors and government initiatives for strengthening these sectors to revive the economy.

Immediately after the outbreak of the pandemic, Government of India enforced nationwide lockdown with effect from 25th March 2020 to May end. It is being unloading gradually. The 70-day nationwide lockdown brought all the activities, except for essential services and commodities at standstill. Lockdown posed a number of challenges for continuous operation of fertiliser and other agri-input industry. Timely and adequate availability of fertiliser and seed before sowing of *kharif* crops was a serious challenge. Railway rakes were made available for the movement of fertilisers but challenge was the availability of labour for loading at the plant sites and for unloading at destination points.

The Fertiliser Association of India (FAI) on behalf of the fertiliser industry took up promptly various issues with the government relating to smooth operations of the fertiliser plants, movement and uninterrupted supply of fertilisers to farmers across the country during the period of pandemic. Clarifications from the Ministry of Home Affairs helped in continuous operation of fertiliser plants, and sales and interstate movement of fertilisers. The Ministry of Chemicals & Fertilisers (MOCF) took pro-active action to facilitate the movement of fertilisers. The problem of unloading of held up rakes were solved through a concerted effort with Ministry of Railways and respective State Agriculture departments. The Ministry of Railways relaxed the rate of demurrage and wharfage charged initially to half and later completely waived the charges during the lockdown period. Intensive monitoring of the movement of fertilisers was done by the government and the industry on hourly and daily basis. Department of Fertilizers coordinated with Ministry of Shipping for priority berthing of fertilisers and discharge and movement of fertilisers at ports.

To address the issue of liquidity problem of the fertiliser industry, out of Budget allocation of Rs 71,300 crore, Government released Rs 22,018 crore subsidy (31%) in April 2020 itself. During April/September 2020, Rs 57,000 crore (80%) subsidy was

in fixed cost on four elements.

For agriculture sector, Central and state governments issued a series of instructions for agricultural operations for facilitating the harvesting of the *rabi* crops and sowing of the *kharif* crops. Additional re-finance support of Rs 300 billion over and above normal allocation of Rs 900 billion was provided by NABARD for meeting the crop loan requirement of Rural Cooperative Banks and Rural Regional Banks. A special drive was launched to provide concessional credit to 2.5 crore farmers through Kisan Credit Card (KCC) by injecting additional liquidity of Rs 2.0 lakh crore. Government released the advance cash payment to each farming family under the existing PM KISAN YOJANA. Bumper production during *rabi* 2019-20, record procurement of wheat, increased crop loan, and financial assistance under PM KISAN YOJANA improved the purchasing power of farmers which they latter used to buy fertilisers and seeds for the *kharif* 2020 crops. Government created Rs 1.0 lakh crore agri infrastructure fund for strengthening farm gate infrastructure for farmers.

The government brought major reforms in agriculture by enacting three bills. These include i) Amendment of the Essential Commodities Act to remove the existing restrictions on stocking food produce, ii) Enactment of The Farmers' Produce Trade and Commerce (Promotion and Facilitation) Act, 2020 to give more options to farmers to market their produce and iii) Enactment of the Farmers (Empowerment and Protection) Agreement on Price Assurance and Farm Services Act, 2020 to legalize contract farming. All these legal provisions will empower the farmers to realize higher price for their Agriculture produce and improve their income.

In addition to the steps mentioned above, the timely onset of South-West monsoon 2020 and subsequent good rains brightened the prospects of record production during the current year. Consequent upon 9% above normal rainfall in S-W monsoon period, *kharif* cropped area registered an increase of 4.8% over previous season. Maximum increase in cropped area was under oilseeds (9.8%) followed by food-grains (4.2%) and cotton (2.1%).

With increase in sown area and widespread rainfall, there was spurt in demand for seed and fertilisers. During April-September 2020, the DBT sale of fertilisers increased by 24.7% in product-term. Product-wise sale of urea, DAP, NP/NPK, MOP and SSP increased by 15.7%, 51.1%, 39.4%, 36.7% and 8.4%, respectively (Table 1).

Fertiliser	April/September 2019	April/September 2020	± % Variation
Urea	15.369	17.782	15.7%
DAP	3.572	5.397	51.1%
NP/NPKs	4.399	6.132	39.4%
SSP	2.231	2.418	8.4%
MOP	1.181	1.614	36.7%
Others*	0.348	0.462	32.8%
<b>Total products</b>	<b>27.100</b>	<b>33.805</b>	<b>24.7%</b>

\*Includes other products (Amm. Sulphate, Amm. Chloride, SOP, Rock phos)

disbursed. Modified NPS III for Urea units was also notified during the period. Under Modified NPS III policy, Rs 350 per tonne increase in fixed cost was allowed for all urea units to partially mitigate the increase

The increase in demand of fertilisers was met through increased domestic production and imports. During April - September, 2020, the production and import of urea increased by 4.9% and

22.2%, respectively. The import of DAP and MOP increased by 12.1% and 3.9 percent. The production of SSP also increased by 14.6 percent in first 6 months. Consequent upon excellent weather, and timely and adequate input supply, the country achieved record crop production in *kharif* 2020. According to 1<sup>st</sup> Advance Estimates, all major crops/crop groups are likely to record positive growth in production. Production of oilseeds, sugarcane and cotton is estimated to increase by 15.2%, 12.4% and 4.5%, respectively. *Kharif* food grains production is estimated to increase marginally (Table 2).

Crop	April/September 2019	April/September 2020	± % Variation
Foodgrains	143.4	144.5	0.8%
Oilseeds	22.3	25.7	15.2%
Sugarcane	355.7	399.8	12.4%
Cotton**	35.5	37.1	4.5%
Jute & Mesta**	9.9	9.7	-2.0%

\* = Million bales of 170 kg each \*\* = Million bales of 180 kg each.

Well distributed S-W monsoon rains over time and space, and sufficient water storage in reservoirs have boosted the prospects of higher *rabi* harvest. Ministry of Agriculture and Farmers Welfare has set a food grain production target of 301 million tonnes for 2020-21. Considering increase in crop coverage and fertiliser sales in current *rabi* season, the country's foodgrain production is likely to achieve this target. Despite sustained increase in crop production, agriculture in India continues to battle the challenge of low productivity and farmers' income. The use efficiency of two most critical inputs namely fertiliser and irrigation water is invariably low. Low input use efficiency not only affects crop yields but poses threat to

environment. Concerted efforts should be made by all concerned to improve crop productivity and farmer's net profit through efficient use of agri-inputs. The Covid-19 pandemic has reinstated the need of focused policy on rural development with agriculture and rural population at its core. In long run, the pandemic will definitely be seen as a turning point for positive changes in Indian agriculture sector, including strong supply chain and establishment of agri-input enterprises. There is a need of multi-pronged efforts to make the country's agriculture sustainable and profitable. Country will be able to produce more from less area by

changing its approach and practices. The adoption of farm mechanisation is low due to small land holdings. Coordinated efforts should be made to expand basic mechanisation to all corners of the country. Technology can be a game changer and people should not lose sight of cutting edge technologies that are changing the way agriculture is practiced across the globe. There is a need to adopt precision agriculture practices which have become the order of the day now with the use of drip irrigation, drones and sensors that cater to the needs of individual plants. There is also a need for developing more climate resilient seed varieties to address the problem of climate change. Demand of warehousing and cold

storage has been increasing at a faster rate. Burgeoning population and rising urban and rural income are generating higher demand for both raw and processed food and food products. India has the potential to emerge as an agriculture export hub. It is worth to mention here that Agri Commodities exports registered a rise of 43.4% in April-September 2020 over corresponding period last year.

Indian fertiliser industry has remained an integral part of the success story of agriculture sector. It rose to the occasion more resolutely to mitigate the adversities posed by Covid-19 pandemic. Fertiliser demand remained exceptionally strong right from the beginning of *kharif* season. The total fertiliser demand for the year 2020-21 is expected to be much higher than that of 2019-20. The industry maintained normal production and dispatch to ensure timely and adequate availability of fertilisers. Government released Rs 67,984 crore in the first eight months of the current year which is 95% of the total allocation. This helped the industry in continued production and dispatch of fertilisers to the farmers. However, at present, there are still arrears of six months of on-account payments, in addition to unpaid dues of thousands of crore of rupees under various heads, namely, Modified NPS III, freight and pre-DBT dues for past years. Therefore, availability of sufficient funds is absolutely essential to sustain operation of this vital sector. In this context, Government announcement of additional subsidy of Rs 65,000 crore over and above budget allocation of Rs 71,000 crore under Aatma Nirbhar Bharat Yojana brings a great relief to the fertiliser industry. This much needed stimulus will not only help fertiliser industry to sustain its operation but will encourage development of soil and crop specific fertiliser products.

Despite Government spending huge amount of money by giving cheap fertilisers to the farmers, there has been declining fertiliser response ratio over the years due to inadequate and imbalanced fertiliser use. This is because of declining nutrient use efficiency which is about 30-50% for nitrogen. The ultimate solution for this sector lies in implementation of Direct Benefit Transfer (DBT) of fertiliser in true spirit, i.e. transfer of fertiliser subsidy to the bank accounts of farmers and deregulation of the sector.

Government has been seriously thinking about bringing reforms in the fertiliser sector. In this context, government organized 'Chintan Shivir - Fertilizing the Future'. Under this summit, five Working Groups were formed headed by Union Ministers and Ministers of States of Concerned Ministry / Departments to deliberate the challenges facing fertiliser sector and to prepare knowledge report for a five years' roadmap. The five Working Groups are (i) Rationalization of Logistics for Fertiliser Movement, ii) Promotion of New/Alternative Fertilisers, iii) Administrative and Legal Reforms in Fertiliser Sector, iv) Promoting Balanced and Sustainable Use of Chemical Fertilisers and Reduce Diversion of Urea and v) Direct Benefit Transfer to Farmer (Direct Fertiliser Subsidy to farmers account instead of an industry). There has been general consensus in all the Working Groups for implementation of Nutrient Based Subsidy (NBS) and ultimately DBT in true sense. With the involvement of those at the highest levels of the government in discussion and preparation of reports of these Working Groups, we expect government decision on reforms in this sector very soon.

Covid-19 pandemic will prove to be a blessing in disguise for fertiliser and agriculture sectors in future. The major reforms initiated by the government during Covid period is expected to transform the fertiliser sector and Indian agriculture in the long run.



## FAI REGIONAL OFFICES

### NORTHERN REGION

The Fertiliser Association of India  
FAI House, 10 Shaheed Jit Singh Marg  
New Delhi – 110 067

**Tel** : 011-46005214  
**Fax** : 011-26960052  
**E.mail** : [nr@faidelhi.org](mailto:nr@faidelhi.org)

### SOUTHERN REGION

Module 16, Block G-1  
Garment Complex  
SIDCO Industrial Estate  
Guindy, Chennai - 600 032

**Tel** : 044-22501862  
**Fax** : 044-22501240  
**E.mail** : [sr@faidelhi.org](mailto:sr@faidelhi.org)

### EASTERN REGION

Flat 1 R, Ganpati Building  
3, Kavi Bharati Sarani (Lake Road)  
Kolkata - 700 029

**Tel** : 033-24638256  
**Fax** : 033-24638257  
**E.mail** : [er@faidelhi.org](mailto:er@faidelhi.org)

### WESTERN REGION

Flat No.3  
New Commonwealth Society  
229 Linking Road  
Bandra (W), Mumbai - 400 050

**Tel** : 022-26518162  
**Fax** : 022-26416174  
**E.mail** : [wr@faidelhi.org](mailto:wr@faidelhi.org)



**The Fertiliser Association of India**  
FAI House, 10 Shaheed Jit Singh Marg  
New Delhi 110 067

CIN U85300DL 1955NPL002999

**Tel** : +91 11 26567144 , 46005204 **Fax** : +91 11 26960052  
**E.mail** : [secy@faidelhi.org](mailto:secy@faidelhi.org) **Website** : [www.faidelhi.org](http://www.faidelhi.org)