

T/21.1 (2024)  
14<sup>th</sup> June 2024

Dear Sir,

**Subject: Group Discussion on “Operation and Maintenance Problems of Ammonia Plants” during 16<sup>th</sup> to 19<sup>th</sup> July, 2024 at Shahjahanpur, Uttar Pradesh, India**

Ammonia is the key intermediate for making all nitrogenous fertilisers. Efficiency of ammonia plant is crucial for the productivity of downstream plants. Manufacturing of ammonia is energy intensive through various complex process steps involving a number of catalytic reactions. Extreme temperatures and pressures are encountered in the plant. Complexities in ammonia process require high level of acumen for efficient operation as well as dexterity in maintenance for safety and reliability of the plant. Operation and maintenance play a vital role in reliable operation and for achieving high energy efficiency of ammonia plants. There are 44 ammonia plants operating in the country and a vast pool of knowledge and experience is available within the industry. There has been six new plants commissioned recent time. A number of modifications/improvement measures carried out by other existing plants. Sharing of such experience and knowledge through discussion has proved to be extremely useful in the past.

In this context, FAI has scheduled next Group Discussion on “Operation and Maintenance Problems of Ammonia Plants” during 16<sup>th</sup> to 19<sup>th</sup> July, 2024 at Shahjahanpur, Uttar Pradesh, India. The programme includes visit to the facilities of KFL, Shahjahanpur, Uttar Pradesh, India.

Objective of the Group Discussion is to take advantage of in-house expertise of the industry for improving knowledge base of plant personnel. Programme is targeted at engineers engaged in operation and maintenance of ammonia plants. Participants will be required to send in advance a brief description of the problems to be discussed in order to draw the formal agenda for the discussion.

The programme will be held at Hotel The Grand Arc, SH-29, Nevada Indapur, Mode, opposite to Mumuksh Ashram, near Bareilly, Shahjahanpur, Uttar Pradesh, India. A participation fee of USD 1000/- (US Dollars one thousand only) per participant plus 18% GST for single occupancy will be charged. The fee will cover cost of boarding and lodging for 4 nights (check in 16<sup>th</sup> July, 2024 at 1400 hrs and Check out by 1200 noon on 20<sup>th</sup> July, 2024) and programme kit. An instruction sheet is enclosed for further information on the Group Discussion.

We are sure that you would like to avail of this unique opportunity by nominating suitable engineers from your unit from the areas of operation and maintenance of Ammonia plant. Nominees should also be advised to send the problems for discussion well in advance so that these can be listed on agenda for discussion. Format for providing the information is enclosed.

Kindly send your nominations in the enclosed registration form latest by the **5<sup>th</sup> July, 2024**. All correspondence on the subject may be sent to Mr. Manish Goswami, Chief (Technical), Phone: +91-11-46005223 and e-mail: tech@faidelhi.org.

Thanking you,

Yours faithfully,

*D. Ramakrishnan*  
(D. Ramakrishnan)



## **REGISTRATION FORM**

### **FAI Group Discussion**

### **“Operation and Maintenance Problems of Ammonia Plants”**

**16<sup>th</sup> to 19<sup>th</sup> July, 2024**

Mr. Manish Goswami  
Chief (Technical)  
The Fertiliser Association of India,  
FAI House, 10 Shaheed Jit Singh Marg,  
New Delhi 110067, India.  
Tel: +91-11-46005223  
Mobile: + 91-9810684373  
Email: [tech@faidelhi.org](mailto:tech@faidelhi.org)

Please register the following executive (s)

Sl. No.	Name	Designation	Mobile/e-mail*
1			
2			
..			

*\*Please provide contact details for direct communication to participants. (if you wish to nominate more participants, you can use additional forms)*

#### **2. Details of the Organization**

Name of the organization:.....

Address:.....

Email:.....

#### **3. Registration Fee:** - USD 1000/- plus 18% GST per participant

#### **4. Mode of payment :** Please transfer the fee to our AXIS Bank Account on the details given below:

Beneficiary Bank Name : Axis Bank Ltd.  
Beneficiary Bank Account Number : 921020052377341  
SWIFT Code : AXISINBB  
Beneficiary Bank Address : South Extension, Part-1,  
Gurmehar A12, Level 1 Gurmehar,  
Ring Road, New Delhi – 110 049  
Bank Telephone No. : +91-11-66415004 / +91-9899276888  
Account Type : Current Account  
Beneficiary Name : THE FERTILISER ASSOCIATION OF INDIA  
Beneficiary Address : FAI House, 10, Shaheed Jit Singh Marg,  
New Delhi – 110 067  
Beneficiary Tel. No. : +91-11-46005236 / +91-11-46005204  
Purpose code as per RBI Guideline : P0806 Membership Subscription which falls  
under Sl.No. 2.5 relating to Subscription to  
newspapers, periodicals etc.

Please email copy of your banker's advice to us for our follow up.

**5. Sponsoring authority:** Name & Designation:  
Telephone/Mobile:

## INSTRUCTION SHEET

### Group Discussion on “Operation and Maintenance Problems of Ammonia Plants” 16<sup>th</sup> to 19<sup>th</sup> July, 2024

1. Participants will have to send the operation and maintenance related problems of their unit for discussion to FAI (tech@faidelhi.org) in advance for drawing agenda for discussion. The format for collecting the information is attached. The filled-in format may be provided latest by **10<sup>th</sup> July, 2024** to be included in the agenda for discussion.
2. The Programme will start on 16<sup>th</sup> July, 2024 at 1800 hrs with registration and orientation and will be over by the evening of 19<sup>th</sup> July, 2024.
3. The stay arrangements have been made from 1400 hrs of 16<sup>th</sup> July, 2024 till 1200 noon of 20<sup>th</sup> July, 2024 (i.e. 4 nights). Stay for additional nights will be chargeable and payable to the hotel directly.
4. A visit to the plant of KFL, Shahjahanpur will be arranged on one of the days. KFL operates natural gas based ammonia plant based on steam reforming technology by Haldor –Topsoe, with installed capacity of 1520 MTPD and 2 x 1310 MTPD urea plant based on ammonia stripping technology of Saipem (Snamprogetti). KFL has carried out a number of measures to improve its energy efficiency and reliability.
5. Location and Transportation
  - 5.1 Hotel is located about 196 kms from the Lucknow Airport, 80 kms from Bareilly airport and about 360 km from Delhi Airport. These cities are also well connected with railways. The hotel is about 8 km from the Shahjahanpur railway station.
  - 5.2 Pick and drop are on chargeable basis and can be availed directly by contacting hotel.
6. We have blocked only limited number of rooms in the Hotel. Any additional guest/family member will be accommodated subject to prior information and availability of rooms. The payment of additional stay, family, guests, food, etc will be chargeable and payable directly to the hotel. Participants desirous to bring family should contact us in advance.