

T/27.1(2024)  
2<sup>nd</sup> September, 2024

Dear Sir(s),

**Subject: FAI Training Programme for Senior Maintenance Engineers in Fertilizer Industry during 14<sup>th</sup> to 19<sup>th</sup> October 2024, Vadodara, Gujarat**

The Fertiliser Association of India organizes need based training programmes for technical personnel in fertilizer industry. The response to these programmes has always been overwhelming. The fertilizer companies in India and from our neighboring countries have been sponsoring their engineers regularly to our programmes.

We are glad to announce the next 6-day residential Training Programme for Senior Maintenance Engineers in the Fertilizer Industry during 14<sup>th</sup> to 19<sup>th</sup> October, 2024 at Hotel Four Points by Sheraton, Fateh Gunj, Vadodara, Gujarat - 390002.

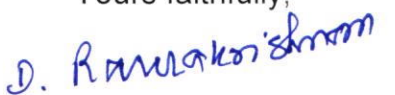
The objectives and other details of the programme are given in the enclosed brochure. The programme has been structured to primarily serve the development needs of the maintenance engineers working at senior/middle level in the fertilizer industry. Taking into consideration the specific requirement of the fertilizer industry, the faculty is drawn from the pool of known experts in their respective fields both within and outside the industry. Visit to fertilizer plant and a vendor workshop will also be part of the programme.

We hope that your organization would like to avail of this unique opportunity by nominating maintenance engineers to this programme. The nominations may please be sent in the enclosed Registration Form together with a registration fee of Rs. 32,000/- (Rupees Thirty two thousand only) plus 18% GST per participant on Double occupancy basis and Rs. 43,000/- (Rupees Forty three thousand only) plus 18% GST per participant on Single occupancy basis. The non-resident participants will be charged Rs. 20,000/- (Rupees Twenty thousand only) plus 18% GST per participant. The details of mode of transfer of registration fee is enclosed. The fee includes lodging and full boarding (for 5 nights), programme lectures/notes, reading material and cost towards study visit. However, it does not include travel and incidental expenses of the participants.

It is requested that your nomination(s) should reach latest by 30<sup>th</sup> September, 2024 to Mr. Manish Goswami, Chief (Technical), FAI, New Delhi to [tech@faidelhi.org](mailto:tech@faidelhi.org).

Thanking you,

Yours faithfully,



(D. Ramakrishnan)

Encl.: As above



## **FAI Training Programme for Senior Maintenance Engineers in Fertilizer Industry**



**14<sup>th</sup> - 19<sup>th</sup> October, 2024  
Vadodara, Gujarat**

**THE FERTILISER ASSOCIATION OF INDIA  
FAI House, 10, SHAHEED JIT SINGH MARG  
NEW DELHI-110 067**

Tel: 011-46005200  
Email: [tech@faidelhi.org](mailto:tech@faidelhi.org)  
Website: [www.faidelhi.org](http://www.faidelhi.org)  
CIN U85300DL 1955NPL002999

## **Fertiliser Association of India**

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The Fertiliser Association of India (FAI) is an apex body of all the fertilizer manufacturers in India incorporated in 1955. All the fertilizer manufacturers across the country are active members of the FAI. The Association cooperates actively with the Government of India (GOI) and acts as an interface between the Industry and the Government by maintaining close contacts and rapport. At present, 43 Indian fertilizer companies and other organisations are active members of FAI comprising of the private, public and cooperative sectors. There are 217 associate members which include suppliers of technology, equipment & catalysts, engineering companies, research institutions, etc. besides around 20 overseas members and a large number of individual, technical and professional members.

As a part of our multifarious activities, we organize need based programmes in the areas of production, maintenance, instrumentation, environment, safety, etc. for the benefit of plant personnel. Our programmes attract participants from all major fertilizer plants in India and some of the neighboring countries. The response to these programmes both from within and outside the country has been overwhelming and there have been repeated requests for the continuation of this activity.

### **Introduction**

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Maintenance, operational efficiency and safety go hand in hand in all industries. Fertilizer Industry is no exception. The use of complex and sophisticated equipment and systems under severe operating conditions has necessitated the need for keeping pace with advances in techniques of operation, maintenance and inspection of the plants. Most of the plants have debottlenecked the capacity. This alongwith ageing of equipments posses challenges of reliability for continuous operation.

Fertilizer plants are capital intensive and the breakeven point is at a high level of capacity utilisation. Equipment, spares and components are sophisticated, expensive and quite often imported. Their replacement, therefore, is costly and involves long lead-time. The magnitude of the problem is compounded by corrosion of critical equipments and interruption in production for various reasons. To achieve high operating factors, equipments need to be operated closer to its design capacity. This in turn requires

condition monitoring and predictive/preventive maintenance. Last but not the least, maintenance has to be cost effective.

It is in this context that the FAI, in the interest of the fertilizer industry conducts a special Training Programme for Senior Maintenance Personnel every year so that they are better equipped to plan and tackle the maintenance problems effectively.

## Objectives

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Maintenance is treated in the light of the total environment in which it functions: design, engineering, logistics, organisation and philosophy for operation and maintenance. With increasing sophistication, maintenance is concerned with factors such as reliability, availability and maintainability. The objectives of the programme are to raise the level of knowledge and competence of the maintenance personnel, upgrade their skills in order to enhance their on-the-job efficiency and to prepare them for shouldering higher responsibility. The programme will provide the engineers an opportunity to exchange information, share experience and have cross-fertilisation of ideas not only with experts in the field but also with their counterparts. This in turn will lead to improvement in plant productivity.

## Course Content

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The programme covers practical aspects of various facets of maintenance engineering and management and is structured laying emphasis on maintenance of critical equipment and machinery, and methods and practices to improve maintenance efficiency. The subjects to be covered may be broadly classified into:

- Advances in materials of construction,
- Maintenance & inspection of critical static equipments, e.g. reactors, waste heat boilers, ammonia storage tanks, etc.,
- Maintenance of HP critical pumps,
- Maintenance & Refurnishment of compressors and turbines,
- Maintenance problems in ammonia, urea, acid and complex fertilizer plants.
- Effective maintenance management at unit level.
- Emerging technologies like use of AI & ML in maintenance of equipments.
- Case studies of inspection, repair, replacement and maintenance practices.



The methods of instruction aim at stimulating individual thinking and maximum involvement of the participants in the programme. Each participant is required to present a case study. Emphasis is laid on discussions and sharing of experiences.

## **Study Visit**

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Visit to facilities of a fertilizer plant and a vendor workshop will form part of the programme.

## **Faculty**

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The faculty consists of practising experts drawn from the fertilizer industry, engineering companies, vendors and specialised institutions.

## **Duration**

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The programme is scheduled from the afternoon of Monday, the 14<sup>th</sup> October, 2024 to the afternoon of Saturday, 19<sup>th</sup> October, 2024.

The check-in time at hotel is 1400 hrs on Monday, the 14<sup>th</sup> October, 2024 and participants have to check out by the noon of Saturday, the 19<sup>th</sup> October, 2024 (stay for 5 nights). Charges for extra stay will have to be paid by the participant to the hotel directly.

## **Residential Course**

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The course is residential\*. Apart from facilitating administrative arrangements, it provides ample opportunities for informal discussions and better networking amongst the participants.

\*Local participants can be accommodated on non-residential basis.

## **Eligibility**

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The programme is designed for senior/middle level engineers. To derive optimum benefit from it, the participant should be a qualified engineer with more than five years of experience in the fertilizer industry. The Training Programme has been developed in consultation with the industry.

## Venue

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The programme and participants' stay is arranged at Hotel Four Points by Sheraton, 1275, Ward No. 7, Opp. Seven seas Mall, Fateh Gunj, Vadodara-390002 India. The Hotel is equipped with all modern facilities. The Hotel is



about 7 kms from Airport and about 3.5 kms from Railway station.

## About Vadodara

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**Vadodara** also known as **Baroda**, is a major city in the Indian state of Gujarat and is situated on the banks of the Vishwamitri River. Vadodara is also locally referred to as the Cultural City of India. The city is prominent for landmarks such as the Laxmi Vilas Palace, which served as the residence of the Maratha royal Gaekwad dynasty that ruled over Baroda State. Major industries in Vadodara includes fertilizers, petrochemicals, engineering, pharmaceuticals, etc.

**Temperature** : During the time of the Programme expected temperature are maximum 34 °C and minimum 21 °C.

## Registration Fee

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The contribution to defray the expenses during training is fixed at Rs. 32,000/- (Rupees thirty two thousand only) plus 18% goods and services tax (GST) per participant on double occupancy and Rs. 43,000/- (Rupees forty three thousand only) plus 18% GST per participant on single occupancy basis. It covers lodging and full boarding (for 6 days and 5 nights), programme lectures/notes, reading material and cost towards study visit. The package will start with the lunch on the 14<sup>th</sup> October, 2024 (Monday) and will end with lunch on the 19<sup>th</sup> October, 2024 (Saturday). The contribution does not include any other costs like participants' travel and incidental expenses. The Non-resident fee for local participants will be Rs. 20,000/- (Rupees twenty thousand only) plus 18% GST per participant.

## Mode of Payment

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The payment can be made by drawing a Demand Draft or at par cheque in favour of “The Fertiliser Association of India” payable at New Delhi. The payment can also be acceptable through on-line transfer. The details are given below:

Saving Bank A/c No.	: 1484101006029
Bank Name and Address	: CANARA BANK, Jit Singh Marg, New Delhi – 110 067
Branch code	: 1484
IFSC code	: CNRB0001484
MICR code	: 110015015
GSTIN	: 07AAACT0097M1Z3
PAN No.	: AAACT0097M

## How to Register

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Registration to be made by filling in and returning to FAI the Registration Form (attached) together with the prescribed fee to reach on or before the **30<sup>th</sup> September, 2024**. The Registration Form along with the bank draft should be sent to:

**Mr. Manish Goswami**  
Chief (Technical)  
The Fertiliser Association of India  
FAI House, 10, Shaheed Jit Singh Marg  
New Delhi 110 067  
Tel: 011-46005200/223 (D)  
E-mail: tech@faidelhi.org



**FERTILISER ASSOCIATION OF INDIA**  
**FAI House, 10, SHAHEED JIT SINGH MARG**  
**NEW DELHI – 110 067**

**Registration Form**

**FAI TRAINING PROGRAMME FOR SENIOR MAINTENANCE ENGINEERS**

**14<sup>th</sup> -19<sup>th</sup> October, 2024**

Hotel Four Points by Sheraton, 1275 Ward No. 7 , Fateh Gunj,  
Vadodara-390002, Gujarat

**Mr. Manish Goswami**

Chief (Technical)

The Fertiliser Association of India

FAI House, 10, Shaheed Jit Singh Marg

New Delhi 110 067

Tel: 011-46005223

E-mail: tech@faidelhi.org

Please register the following engineer(s)

His/their particulars are given below :

Sl. No.	Name	Designation	Email & mobile	Occupancy Single/ Double
1				
2				
3				
..				

*\*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:.....

*For raising invoice, please provide following additional information:*

PAN Number:

GST Number:

Billing Address:

*(if different from above)*

- 3. Registration Fee:** - Rs. 32,000/- plus 18% GST per participant on double occupancy  
- Rs. 43,000/- plus 18% GST per participant on single occupancy  
- Rs 20,000/- plus 18% GST per participant on non-residential basis

**4. Payment Options:**

A. Demand Draft /at par cheque /NEFT /RTGS (Please tick). Demand Draft can be prepared in favour of "The Fertiliser Association of India" payable at New Delhi

B. NEFT/RTGS: If payment has been made through NEFT / RTGS, please provide the following:  
NEFT/RTGS Reference number ....., Date.....& amount.....

**5. Sponsoring authority:**

Name & Designation:

Telephone/Mobile:



Email : [acctt@faidelhi.org](mailto:acctt@faidelhi.org)  
secy@faidelhi.org  
Website : [www.faidelhi.org](http://www.faidelhi.org)



Telephone : 46005204  
Fax : 26960052

**The Fertiliser Association of India**  
Registered Office : FAI House, 10, Shaheed Jit Singh Marg  
New Delhi – 110 067  
CIN : U85300DL1955NPL002999

### **Canara Bank**

<b>Bank Details:</b>	
<b>Baneficiary Name</b>	THE FERTILISER ASSOCIATION OF INDIA
<b>Baneficiary Address</b>	FAI House, 10, Shaheed Jit Singh Marg, New Delhi – 110 067
<b>Baneficiary Tel.No.</b>	011-46005235
<b>Bank Name</b>	Canara Bank
<b>Bank Address</b>	Jit Singh Marg, New Delhi - 110 067
<b>Bank Telephone No.</b>	011-26960890 / 011-26960593
<b>Bank Fax No.</b>	011-26601661
<b>Branch Name</b>	Jit Singh Marg, New Delhi - 110 067
<b>Bank Code &amp; Branch Code</b>	1484
<b>SWIFT Number / RTGS</b>	cnrb0001484
<b>Bank Account Number</b>	1484101006029
<b>IFSC Code</b>	cnrb0001484
<b>Account Type</b>	Saving Bank
<b>Account Currency</b>	Indian Rupees