

T/27.1(2023)  
21<sup>st</sup> August, 2023

Dear Sir(s),

**Subject: FAI Training Programme for Senior Maintenance Engineers in Fertilizer Industry during 09<sup>th</sup> to 13<sup>th</sup> October 2023, Lucknow, Uttar Pradesh, India**

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 5-day residential Training Programme for Senior Maintenance Engineers in the Fertilizer Industry during 09<sup>th</sup> to 13<sup>th</sup> October 2023 at Hotel Regenta Central, 4, Sapru Marg, Prem Nagar, Hazratganj, Lucknow, Uttar Pradesh 226001 India.

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. A visit to fertilizer plant/workshop for retrofit of turbomachinery 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 US\$ 1500/- (US Dollars one thousand five hundred only) plus 18% GST per participant towards the programme fee through Demand Draft drawn in favour of The Fertiliser Association of India payable at New York or wire transfer as per details provided in brochure. The fee includes lodging and full boarding (for 6 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 25<sup>th</sup> September, 2023 to Mr. Manish Goswami, Chief (Technical), FAI, New Delhi to [tech@faidelhi.org](mailto:tech@faidelhi.org).

Thanking you,

Yours faithfully,

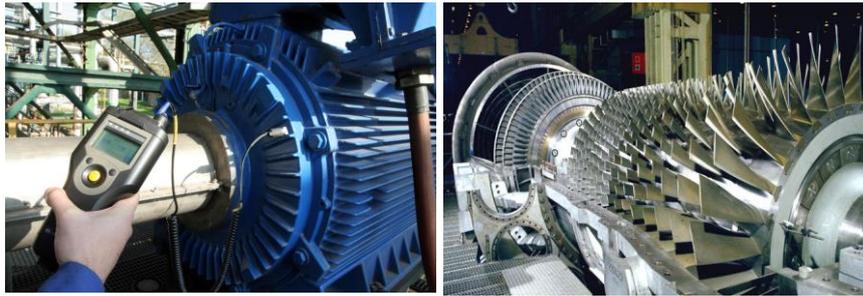


(Arvind Chaudhary)

Encl.: As above



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



**9<sup>th</sup> - 13<sup>th</sup> October, 2023  
Lucknow, Uttar Pradesh, India**

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

Tel: +91-11-26567144

Fax: +91-11-26960052

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, about 50 Indian fertilizer companies and other organisations are active members of FAI comprising of the private, public and cooperative sectors. There are about 200 associate members which include suppliers of technology, equipment & catalysts, engineering companies, research institutions, etc. besides around 30 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 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 these men 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 of critical static equipments, e.g. reactors, waste heat boilers, 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,
- 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 nearby fertilizer plant 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 9<sup>th</sup> October, 2023 to the evening of Friday, 13<sup>th</sup> October, 2023.

The check-in and checkout time at hotel is 1200 hrs. The participants will be provided 6 night stay. Participants may make their travel plan accordingly. 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.

## **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 Regenta Central, 4, Sapru Marg, Prem Nagar, Hazratganj, Lucknow, Uttar Pradesh 226001 India. The Hotel is equipped with all modern facilities. The Hotel



is about 17 kms from Airport and about 5 kms from Railway station.

## About Lucknow

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Lucknow is the capital and largest city of the Indian state of Uttar Pradesh. Lucknow has always been known as a multicultural city that flourished as a North Indian cultural and artistic hub, and the seat of power of Nawabs in the 18<sup>th</sup> and 19<sup>th</sup> centuries. It continues to be an important centre of governance, administration, education, commerce, aerospace, finance, pharmaceuticals, technology, design, culture, tourism, music and poetry. It has numerous historical places to visit. Some of the famous tourist attractions are Bara and chota Imambara, Rumi Darwaza, Chattar Manzil, Husainabad Clock Tower, Hazratganj Market, etc. The city is also famous for its embroidery and cuisines.

Temperature : During the time of the Programme expected temperature are maximum 33 °C and minimum 20 °C.

## Registration Fee

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The contribution to defray the expenses during training is fixed at US Dollars 1500/- (US Dollars one thousand five hundred only) plus 18% goods and services tax (GST) per participant. It covers lodging and full boarding for 6 days, programme lectures/notes, reading material and cost towards study visit. The contribution does not include any other costs like participants' travel and incidental expenses.

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## Mode of Payment

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Payment can be made either of the following:

**Draft:** Please make Bank Draft payable at **New York** in favour of '**The Fertiliser Association of India**'.

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.  
FAI - GSTIN : 07AAACT0097M1Z3  
FAI - 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 **25<sup>th</sup> September 2023**. 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: +91-11-26567144/Fax: +91-11-26960052  
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**  
**9<sup>th</sup> -13<sup>th</sup> October, 2023**

Hotel Regenta Central, 4, Sapru Marg, Prem Nagar, Hazratganj  
Lucknow, Uttar Pradesh, India

**Mr. Manish Goswami**

Chief (Technical)

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

Tel: +91-11-26567144, Fax: +91-11-26960052

E-mail: tech@faidelhi.org

Please register the following engineer(s)

His/their particulars are given below :

| Sl. No. | Name | Designation | Email | Mobile |
|---------|------|-------------|-------|--------|
| 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:.....

**3. Registration Fee: - USD 1500/- plus 18% GST per participant**

**4. Mode of payment :** Plese 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: