

T/27.1(2024)
4th September, 2024

Dear Sir(s),

Subject: FAI Training Programme for Senior Maintenance Engineers in Fertilizer Industry during 14th to 19th October 2024, Vadodara, Gujarat, 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 6-day residential Training Programme for Senior Maintenance Engineers in the Fertilizer Industry during 14th to 19th October, 2024 at Hotel Four Points by Sheraton, Fateh Gunj, Vadodara, Gujarat – 390002, India.

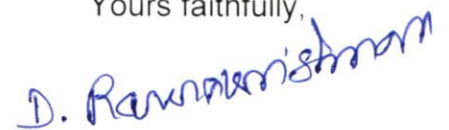
The objectives and other details of the programme are given in the enclosed brochure. The programme has been structured to primarily serve the development needs of the maintenance engineers working at senior/middle level in the fertilizer industry. Taking into consideration the specific requirement of the fertilizer industry, the faculty is drawn from the pool of known experts in their respective fields both within and outside the industry. Visit to fertilizer plant and a vendor workshop will also be part of the 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 30th September, 2024 to Mr. Manish Goswami, Chief (Technical), FAI, New Delhi to tech@faidelhi.org.

Thanking you,

Yours faithfully,



(D. Ramakrishnan)

Encl.: As above



FAI Training Programme for Senior Maintenance Engineers in Fertilizer Industry



**14th - 19th October, 2024
Vadodara, Gujarat, India**

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

Tel: +91-11-46005200
Email: tech@faidelhi.org
Website: www.faidelhi.org
CIN U85300DL 1955NPL002999

Fertiliser Association of India

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

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

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

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. Course will be conducted in English language.

Study Visit

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

Faculty

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

Duration

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

The check-in time at hotel is 1400 hrs. and check out is by noon. 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

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

Eligibility

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



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 Vadodara Airport and about 102 kms from Sardar Vallabhbhai Patel International Airport (AMD).

About Vadodara

Vadodara is located in the western part of India. **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

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.

Mode of Payment

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. : AACT0097M

How to Register

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 **30th 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, India
Tel: +91-11-46005200/223 (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

14th -19th October, 2024

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

Mr. Manish Goswami

Chief (Technical)

The Fertiliser Association of India

FAI House, 10, Shaheed Jit Singh Marg

New Delhi 110 067, India

Tel: +91-11-46005223

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:.....

3. Registration Fee: - USD 1500/- 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: