

T/27.1(2018)
January 3, 2018

Dear Sir(s),

Subject: FAI Training Programme for Senior Maintenance Engineers in Fertiliser Industry during 18-23 February 2018, Surat, Gujarat.

The Fertiliser Association of India organizes need based training programmes for technical personnel in fertiliser industry. The response to these programmes has been overwhelming. The fertiliser companies in India and from our neighbouring 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 Fertiliser Industry during 18-23 February 2018 at Lords Plaza Surat, Delhi Gate Ring Road, Surat Gujarat India 395003.

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 fertiliser industry. Taking into consideration the specific requirement of the fertiliser industry, the faculty is drawn from the pool of known experts in their respective fields both within and outside the industry. A visit to ammonia and urea fertiliser plants of Krishak Bharati Cooperative Limited (KRIBHCO) at Hazira is also planned.

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 Bank Draft/at par Cheque for Rs. 28,500/- (Rupees twenty eight thousand five hundred only) plus 18% GST/ participant (Double occupancy) or Rs 38,500/- (Rupees thirty eight thousand five hundred only) plus 18% GST per participant (Single occupancy) towards the programme fee, drawn in favour of "The Fertiliser Association of India" payable at New Delhi. The fee includes lodging and full boarding (for 6 days and 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 7th February, 2018 to Dr. S Nand, Dy. Director General, via Fax/Email as given in the brochure.

Thanking you,

Yours faithfully,

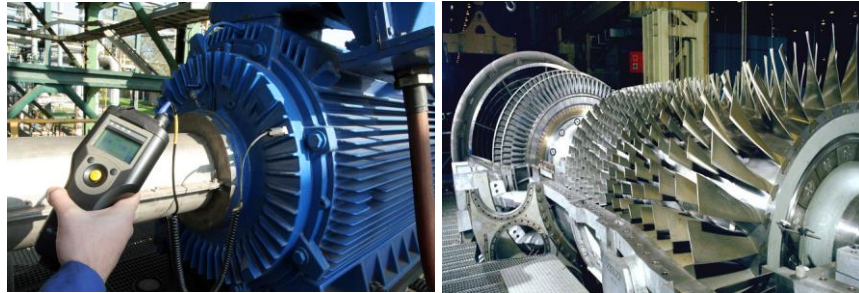


(Satish Chander)

Encl.: As above



FAI Training Programme for Senior Maintenance Engineers in Fertiliser Industry



**18th to 23rd February 2018,
Surat, Gujarat**

**THE FERTILISER ASSOCIATION OF INDIA
FAI House, 10, SHAHEED JIT SINGH MARG
NEW DELHI-110 067
Tel: 011-26567144
Fax: 011-26960052
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 fertiliser manufacturers in India incorporated in 1955. All the fertiliser 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, 50 Indian fertiliser 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 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 fertiliser plants in India and abroad. 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. Fertiliser Industry is no exception. The use of complex and sophisticated equipment and systems has necessitated the need for keeping pace with advances in techniques of operation, maintenance and inspection of the plants.

Fertiliser 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 supply of raw materials and utilities. Because of these factors, continuous and efficient operation of the plant is directly related to the level of efficiency of its maintenance. 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 fertiliser 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

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 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 fertiliser 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

A study visit to ammonia and urea facilities of Krishak Bharati Cooperative Limited (KRIBHCO) at Hazira is also proposed in the programme. The plant is located about 15 kms from Surat City. The ammonia and urea plants were commissioned in 1985. Two ammonia plants based on Kellogg's (now KBR) natural gas steam reforming process were revamped in 2013 to increase capacity from 1520 MTPD to 1890 MTPD each. Two urea plants based on Saipem technology were revamped from 2620 MTPD to 3325 MTPD each. The revamp of ammonia and urea plants also resulted in significant reduction in energy consumption. The Hazira complex also has an argon recovery and a bio-fertilizer plants.

Faculty

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

Duration

The duration of the programme is 6 working days (5 nights) including the study visit. The programme is scheduled from the afternoon of Sunday the 18th February 2018 to the noon of 23rd February 2018.

The check-in time at the hotel is 1200 hrs on Sunday, 18th February 2018 and participants have to checkout by 1200 hrs on 23rd February 2018 (stay for 5 nights). 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 interaction 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 experience in the fertiliser industry. The Training Programme has been developed in consultation with the industry.

Venue

The programme and participants' stay is arranged at The Lords Inn, Surat. The Hotel is conveniently located near the railway station and Surat's diamond & textile market. The airport is about 15 km. This luxury hotel has 108 graciously well-appointed rooms with modern recreation and fitness facilities, masseur & beauty treatments and business center.

About Surat

Surat is one of the cleanest city of India and is also known by several other names like "THE SILK CITY", "THE DIAMOND CITY", "THE GREEN CITY", etc. It has the most vibrant present and an equally varied heritage of the past. It is the city where the British first landed in India. The Dutch and the Portuguese also established business centers in Surat, the remnants of which are still preserved in the modern day Surat. In past this was a glorious port with ships of more than 84 countries anchored in its harbour at any time.

Surat has been ranked as the third cleanest city in India. In past few years it has always been in top five cleanest cities in India. Surat has an industrial belt on the coast of the Arabian Sea called as Hazira. Hazira houses heavy engineering companies like ESSAR, ADANI, RELIANCE, ONGC, SHELL, L&T, KRIBHCO, GAIL, NTPC, GSPC, ABG SHIPYARD and many others.

Tourist Attractions : Dumas beach, Swaminaryan Temple, Dutch Gardens, Old fort, etc.

Temperatue : The minimum and maximum temperature expected during the period are 16 °C and 32 °C respectively.

Registration Fee

The contribution to defray the expenses during training is fixed at ₹28,500/- (Rupees twenty eight thousand five hundred only) plus 18% goods and services tax (GST) per participant on double occupancy and ₹38,500/- (Rupees thirty eight thousand five hundred 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 18th February (Sunday) and will end with breakfast on the 23rd February 2018 (Friday). The contribution does not include any other costs like participants' travel and incidental expenses.

Mode of Payment

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

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 **7th February 2018**. The Registration Form along with the bank draft should be sent to:

Dr. S. Nand
Deputy Director General
The Fertiliser Association of India
FAI House, 10, Shaheed Jit Singh Marg
New Delhi 110 067
Tel: 011-26567144/Fax: 011-26960052
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

18th - 23rd February 2018

Lords Plaza Surat,
Delhi Gate Ring Road,
Surat Gujarat India 395003.

Dr. S. Nand

Dy. Director General
The Fertiliser Association of India
FAI House, 10, Shaheed Jit Singh Marg
New Delhi 110 067
Tel: 011-26567144, Fax: 011-26960052
E-mail: tech@faidelhi.org

Please register the following engineer(s)

His/their particulars are given below :

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

Name of the Organisation

Address

Fax

Email

Enclosed Bank Draft No.....dated.....drawn onfor Rs. -----/ favouring of "The Fertiliser Association of India", payable at New Delhi as contribution for registration of the above delegate (s) @ ₹28,500/- plus 18% GST per participant on double occupancy and ₹38,500/- plus 18% GST per participant on single occupancy.

The payment can also be made by online transfer. Details are given in brochure. Please provide details of online transfer.

Sponsoring Authority