



# Engineering Staff College of India

Autonomous Organ of The Institution of Engineers (India)  
Old Bombay Road, Gachi Bowli, Hyderabad – 500 032. TS, India



## POWER & ENERGY DIVISION

### *Continuing Professional Development Programme on* **Operation & Maintenance of Oil Field Equipment**

22 – 26 July, 2019



(An ISO 9001:2015 Certified, AICTE & CEA Recognized Institution)

**Centre for Promotion of Professional Excellence**

## **INTRODUCTION**

Since the industrial revolution, the Oil & Gas industry has played a pivotal role in the economic transformation of the world, fuelling the need for heat, light and mobility of the world's population

Energy assets including those deployed either onshore or offshore, are subject to a variety of harsh operational and environmental conditions which lead to deterioration of their performance and structural capacity over time. The aim of reduction of CAPEX in new installations shifts focus to operational management to monitor and assess performance of critical assets ensuring their fitness for service throughout their service life and also to provide appropriate and effective information towards requalification or other end of life scenarios, optimizing the OPEX.

Production losses, due to turnarounds and unforeseen shutdowns in oil and gas operations, are significant, and the improvement potential is large. Therefore, people, equipment, technology, IT and all other assets involved in production are managed always looking for an increase in revenues (or value), a reduction in costs through an improvement of internal effectiveness and at the same time, complying with strict HSE regulations. Operational management (OM) of assets extends this scope to also consider the efficient planning and execution of activities relating to delivery of a service or a process. For this reason, OM can be considered as a critical management function of every business, being its performance determinant for success.

India is still dependent on oil imports despite great strides in oil exploration & crude production both through on-shore & off-shore oil wells. Indian imports are more than \$100 billion dollars annually.

This gives greater emphasis on oil exploration & production. The focus of this training programme is on Land based On shore Rigs, its various systems function and best operation & maintenance practice. Focus is also to understand the significance and factors critical to efficient performance, ensuring maximum availability and reliability.

## **OBJECTIVE**

The objective of this programme is to understand various important aspects related to design, manufacture, erection & commissioning and Operation & Maintenance of Oil Rigs, including its various sub-systems.

## **COURSE COVERAGE**

- Design features of all systems & subsystem
- Mast & substructure
- Draw works
- Rotary Table, Swivel & Travelling block

- Mud System including Mud Pumps, Mud Tanks, Shale Shaker
- Drillers Cabin
- Independent Rotary Drives
- Rig Electrics

## **METHODOLOGY**

The programme will be conducted in an interactive environment providing greater scope for discussions. Emphasis will be on a highly participative style of learning. The faculty will act as provocateurs and resource persons and demonstrate application oriented studies rather than as teachers. The participants are expected

to play a very active role not only as learners and facilitators but also as experts and practitioners in their own right.

## **FACULTY**

Apart from Core Internal Faculty, Consulting Firms, Government Organisations, Academic and Research Institutions etc. will share the sessions.

## **TARGET PARTICIPANTS**

O&M Engineers, Supervisors, Executives & Managers of drilling Assets from ONGC & Oil India, GSPC etc. in the public sectors and Essar Oil, Reliance Industries, CAIRN India etc. in the private sector, Faculties & Students from Petroleum Engineering.

## **PROGRAMME VENUE, DATES & TIMINGS**

Engineering Staff College of India (ESCI) Campus, Old Bombay Road, Gachi Bowli, Hyderabad - 500032, Telangana, India.

## **DATES**

**22 – 26 July, 2019**

## **TIMINGS**

On the first day registration will commence at 0900 Hrs. On all other days the programme timings will be from 0945 to 1715 hrs with breaks in between for tea and lunch.

## **COURSE DIRECTOR**

**N Ravi Chander**

Sr. Faculty - Power & Energy Division, ESCI

## **ACCOMMODATION**

A.C. Accommodation will be provided to the participants located within ESCI Campus. The accommodation will be on twin sharing basis / single, based on available.

## **COURSE FEE**

**Residential Fee is Rs. 25,000/- per participant.** Fee includes Course Material, Course Kit, Accommodation, Breakfast, Lunch, Dinner, Tea / Coffee and Snacks.

## **DISCOUNTS**

**Non-Residential Fee:** 10% discount on course fee is allowed for non-residential participants.

**Group Discount:** 10% discount for three or more participants if sponsored by the same organization.

**(All discounts are applicable only if fee is received at ESCI a week before the commencement of the programme)**

**GST @18% (as applicable)** is to be paid extra over and above the training fee. ESCI's Provisional ID No. 36AAATT3439Q1ZV, PAN Card No. AAATT3439Q.

The course fee is to be paid in favour of **“IE (I) – ENGINEERING STAFF COLLEGE OF INDIA”** in the form of demand draft payable at Hyderabad.

Alternatively the payment may be made by **Electronic Fund Transfer (EFT) to ESCI – SB A/c No. 33705165550** with The SBI, Manikonda Branch, Gachi Bowli, Hyderabad – 500 032 by **NEFT / RTGS / IFSC Code No: SBIN0011076 – MICR No: 500002107**. While using EFT method of payment, please ensure to communicate us your company name, ESCI invoice reference and programme title.

## **REGISTRTION**

Online registration is available on ESCI website. To register, manually please send your nominations (**10 days prior to date of commencement of the programme**) giving details of name, designation, contact address, email address, mobile number, telephone and fax number of the participant along with the details of mode of payment of fee, addressed to:

### **Head, Power & Energy Division**

Engineering Staff College of India

Gachi Bowli, Hyderabad – 500 032

Phone: 040 – 6630 4170 to 4175; 040-6630 4100, Fax: 040 – 23000336, 66304103

Email:pe.esci@gmail.com / pe@escihyd.org; Website: www.escihyd.org

## **CERTIFICATE**

A certificate of participation will be awarded to each participant on conclusion of the programme.

## **GENERAL INSTRUCTIONS**

- ESCI encourages participants to present case studies from their respective organizations.
- For the convenience of the outstation participants ESCI will facilitate pickup and drop from Airport / Railway Station / Bus Stations, if travel plans are received at least 3 days in advance along with mobile number by fax or email. The charges shall be paid by the participants directly to the cab driver.
- ESCI provides complimentary accommodation to participants a day prior to the commencement and after the conclusion of the programme. (Check in at 12:00 hrs a day prior to the commencement & check out at 12:00 hrs a day after completion of the programme).
- Overstay charges of @ Rs.990/- per day / per head including hospitality (Bed Tea / Coffee to Dinner) will be charged.
- Well developed Information Centre and Internet facilities are available to the participants free of cost.