



**NIGIS EDUCATIONAL TRAINING PROGRAMME**

# **PIPELINE CORROSION**

Organised by

 **NACE**<sup>®</sup> GATEWAY INDIA  
INTERNATIONAL SECTION



## COURSE OBJECTIVE

Pipeline are the most reliable, efficient, safe and economic mode of transport for oil, gas, hydrocarbons and water. Rightly considered as lifelines of modern industrial infrastructure, steel pipelines are vulnerable to atmospheric corrosion above ground and electrolytic corrosion in underground / marine environments. Pipeline corrosion can result in colossal losses and create safety hazards for people, assets and environment. Corrosion control is an important requirement for ensuring integrity of pipelines. This course covers various aspects of corrosion of pipelines and methods available for prevention and control of their corrosion. The intention is to arm pipeline operating / maintenance personnel with sufficient knowledge on pipeline corrosion to maintain integrity of pipelines.

## WHO SHOULD ATTEND?

Personnel engaged in planning, design installation, testing and commissioning, monitoring and maintenance of pipelines through corrosion protective coating, cathodic protection system, and other methods / techniques for prevention and control of corrosion of steel pipelines and its control.

## YOU CARRY BACK

- Lecture notes
- References of books & codes of practice / standards



## FACULTY

The faculty includes professional experts from organizations and academic institutions such as Bharat Petroleum Corporation Ltd, Seal for Life India Private Limited, Corrosion Control Services (B) Pvt. Ltd, GAIL (India) Ltd, Indian Institute of Technology Bombay, Oil and Natural Gas Corporation Ltd, Reliance Engineering Group (RIL), SSS Engineers etc.

## TECHNICAL PROGRAMME

- \* Introduction to Pipeline Corrosion and its Prevention / Control
- \* Galvanic Anode and Impressed Current Cathodic Protection Systems
- \* Pipeline Installation, Security Management, Maintenance and Repairs
- \* Pipeline Internal Corrosion Monitoring / Measurements and Prevention  
Intelligent Pigging
- \* Selection & Application of Corrosion Protection Coatings
- \* Tests/Measurements/Surveys
- \* Case Studies: Coating / Cathodic Protection
- \* Electrical Interferences
- \* Open Forum Discussions



## COURSE FEES

Participation fee and Payment detail

Delegate Fee                      INR 15000 + 18% GST: INR 17700 per delegate

Payment be made by cheque in favour of “**CORCON INSTITUTE OF CORROSION**”.  
Electronic funds transfer facility is also available

## COURSE VENUE

Hotel Rodas,  
Hiranandani Gardens, Powai, Mumbai – 400076  
Tel: 022-66936969 E-mail: [info@rodashotel.com](mailto:info@rodashotel.com)



## **NACE Association**

National Association of Corrosion Engineers (NACE) was founded by eleven corrosion engineers in Houston, Texas USA in 1943 and renamed as NACE International, The Corrosion Society in 1993. It is recognized around the world as the premier authority for corrosion control solutions. Built upon more than six decades of knowledge and expertise from dedicated members all over the world, NACE International is involved in every industry and area of corrosion prevention and control from chemical processing and water systems to transportation and infrastructure protection. NACE International has four areas in North America and four international areas. Over 100 sections within these areas sponsor local programmes to promote the exchange of corrosion information throughout the world. With more than 29,000 members from 100 countries, NACE International has more than 350 technical committees covering the entire gamut of areas related to corrosion and its control. NACE international endeavors to achieve its mission of protecting people, assets and the environment from the effect of corrosion by publication of standards/ recommended practices, reports, books, organization of education, training/programmes and annual conferences.

## **NACE International Gateway India Section**

NACE International Gateway India Section (NIGIS) was established in 1992. NIGIS has become one of the largest and most active sections of NACE International through its significant efforts for the promotion of corrosion awareness in India.

With more than 1100 members, NIGIS has organized over 197 CIP Level 1,2 & Peer Review, CIP 2 Maritime Emphasis, Nuclear Power Plant course, O-CAT, PCS 2, Basic Corrosion, Direct Assessment, Internal Corrosion For Pipeline, Refinery Corrosion and Cathodic Protection 1, 2 & 3 certification courses of NACE International besides hosting 24 annual conferences. To commemorate Corrosion Awareness Day, NIGIS presents awards to individuals and institutions for their contributions to corrosion awareness and developments in the field of corrosion science and technology. The Gateway India Section sponsors two student chapters, one each in Mumbai and Chennai / Kalpakkam. In 2013, NIGIS South Zone Student Section had organized "CORSYM " the first NACE corrosion conference for students.

NIGIS is committed to enhance the quality and range of its services through activities in the field of corrosion awareness by dissemination of knowledge regarding corrosion, its protection and control, in India and worldwide. For more information please visit website [www.naceindia.org](http://www.naceindia.org)

## **CONTACT ADDRESS**

N Manohar Rao  
Program Coordinator  
Executive Director (HSSE & Bio-fuel), Bharat Petroleum Corporation Limited  
Tel: 022-25542907 E-mail: [manoharrn@bharatpetroleum.in](mailto:manoharrn@bharatpetroleum.in)

C V Manian  
Chairman - Career Development, NIGIS  
Tel: 022 2528 3913 Email: [cvmanian@gmail.com](mailto:cvmanian@gmail.com)

For registration enquiries and further information please contact  
Rishikesh Mishra  
Manager, Technical Services  
NACE International Gateway India Section  
305-A, Galleria, Hiranandani Gardens, Powai, Mumbai - 400076  
Tel: +91-22-25797354 Fax: +91-22-66921572  
Email: [rishikesh@naceindia.org](mailto:rishikesh@naceindia.org) / [info@naceindia.org](mailto:info@naceindia.org)

**REGISTRATION FORM**  
NIGIS EDUCATIONAL TRAINING PROGRAMME  
ON  
**PIPELINE CORROSION**  
24 - 26 May 2018, Hotel Rodas, Mumbai

Name: \_\_\_\_\_

Designation: \_\_\_\_\_ Company: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Pin: \_\_\_\_\_

Tel: \_\_\_\_\_ Cell : \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

Enclosed Cheque / Demand draft No. .... dt: ..... for ₹. .... /- in favour of  
“**CORCON INSTITUTE OF CORROSION**”.

COURSE fees

Delegate Fee INR 15000 + 18% GST: INR 17700 per delegate

Place: \_\_\_\_\_ Signature: \_\_\_\_\_

Date: \_\_\_\_\_ Company Seal : \_\_\_\_\_

**Bank Information**

Beneficiary Account Name:

**CORCON INSTITUTE OF CORROSION**

Bank Name : **HDFC BANK**

Beneficiary Bank Account NO.: **50200007525208**

Account Branch : **0321, JUHU-JVPD SCHEME**

Address : **30, NAVYUG SOCIETY, KRISHNA KUNJ,  
V.L. MEHTA ROAD, OPP. SUNFLOWER  
HOSPITAL, JVPD SCHEME,  
MUMBAI – 400056**

RTGS/NEFT IFSC : **HDFC0000321**

MICR : **400240044**

**Registration**

Enrolment is accepted on a first come first serve basis, as seats are limited. Registered participants are entitled for the Lecture notes, course kit, T-Shirt, Buffet Breakfast, Tea / coffee and lunch for three days of the course. Participants are responsible for making their own arrangements of accommodation, transport and dinner.

Participants are responsible for making their own accommodation arrangements directly with the hotel. NACE regrets that it cannot be responsible for any loss or damages incurred as a result of cancellation of a course by NACE for any reason.

**CORRESPONDENCE**

**NACE International Gateway India Section**

305-A, Galleria, Hiranandani Gardens, Powai, Mumbai 400076, India

Tel: +91 22 2579 7354 Fax: +91 22 6692 1572

Email: rishikesh@naceindia.org / info@naceindia.org Website: www.naceindia.org