NACE INTERNATIONAL

NACE equips society to protect people, assets and the environment from the adverse effects of corrosion.

NACE International, The Worldwide Corrosion Authority, was established in 1943 by eleven corrosion engineers from the pipeline industry as the National Association of Corrosion Engineers (NACE) today serves over 36000 members in around 130 countries and has acquired international repute and credibility as a premier authority for corrosion control solutions. The organization offers technical training and certification programs, organizes conferences while also disseminating industry standards, reports, publications, technical journals and providing avenues for networking and collaboration. NACE International is headquartered in Houston, Texas, with offices in San Diego, California; Kuala Lumpur, Malaysia; Shanghai, China, Sao Paulo, Brazil and Al-Khobar, Saudi Arabia. The members of NACE International include engineers, as well as numerous other professionals working in a range of areas related to corrosion control.

NACE INTERNATIONAL GATEWAY INDIA SECTION

NACE International Gateway India Section (NIGIS) was established in 1992. NIGIS is one of the largest and most active sections of NACE International through its significant efforts for the promotion of corrosion awareness, protection and control of corrosion in India. With over 1000 members, NIGIS has organized over 204 certification courses on CIP Level 1, Level 2, Peer Review, CIP 2 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 of NACE International. It has also organized more than 120 educational corrosion awareness programs and hosted 25 annual corrosion conferences. To commemorate Corrosion Awareness Day, NIGIS awards 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. NIGIS Student chapters had organized “CORSYM” international corrosion conference for students. NIGIS is committed to enhance the quality and range of its services and activities in the field of corrosion awareness and dissemination of knowledge on corrosion, its protection and control in India and worldwide.

For more information visit www.naceindia.org

CONTACT ADDRESS

G. L. Rajani
Program Coordinator
E-mail: gler808@gmail.com
Mobile: +91 98 101 12284

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 / info@naceindia.org
Website: www.naceindia.org / www.corcon.org

NIGIS EDUCATIONAL TRAINING PROGRAMME

ADVANCED TRAINING PROGRAM

Cooling Water Treatments (CWT) Programs,
Boiler water Conditioning,
RO Technologies for Treatments for Various applications,
Optimization of Operating Costs and Water Conservation

6th - 7th Nov 2019
at New Delhi
COURSE OBJECTIVE

- To impart knowledge on Fundamentals of Water Chemistry applicable to RWTP, Cooling Water Treatments (CWT), DM Plants, Boiler water conditioning, and UF-RO-MB.
- Modern Trend in CWT program & to create awareness about cooling water side corrosion, fouling problems & control measures and increasing the life of coolers/condensers on CW side.
- To create awareness about Boiler water side Problems, control measures & about Condensate Corrosion & control measures and Condensate Polishing Units (CPU)
- Modern Trends in Treatments Program for BWT & RO Technologies
- To Acquaint with design & operation
- Practical Applications and Case Studies

COURSE FEES

Rs.12712/- + 18% GST (Rs. 2288/-) = Rs.15000/- per delegate

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 two days of the course. Participants are responsible for making their own arrangements of accommodation, transport and dinner.

WHO SHOULD ATTEND?

- Plant Managers,
- Process/Operation groups
- Technical Services group
- Water and Chemistry groups
- Waste Water/Effluents (ETP/WWTP & STP) groups
- Plant inspection/Corrosion groups,
- Engineering group
- Operation/Production groups
- Project Managers,
- O & M groups,
- Condition Monitoring, QA & QC,
- Plant Engineering Auditors,
- Resource and strategy planners,
- Plant Personnel dealing with Safety, plant health & environment (SHE)
- Users, Organizations & Consumers
- Suppliers/Manufactures/Vendors etc.

THIS PROGRAM WILL COVER ALL FOLLOWING INDUSTRIES

- Oil Refineries & all Oil Sectors
- Petrochemicals
- Fertilizers
- Thermal Power Plants
- Chemicals Plants
- Pharmaceuticals
- Steel Plants/Metallurgical Plants
- Textile/Rayon & Papers Industries
- Automobiles
- Soft Drinks Suppliers, F & B
- Hospitals & Hotels
- Townships
- Various other Allied Industries
- Users, Organizations, Consumers
- Suppliers/Manufactures/Vendors etc.

FACULTY

G.L. RAJANI (TECHNICAL CONSULTANT)
Engineering & Corrosion Services, New Delhi (Ex. Engineers India Limited, (EIL)) & Ex.IOCIL


Technical Consultant (Specialist) having more than 48 years of wide professional Practical Experience in Engineering & Total Water Management, Water Treatments, CWT, ETP/WWTP/STP, ETP/STP-RO, Boiler water, CPU, Fire Water System etc.

19 (Nineteen) Successful Workshops/Programs were conducted by Renowned Speaker (Expert) at various locations in past for last 6 years. There was tremendous over whelming response. The participants from various private & public sectors, Industries as well as Users, Consumers, Suppliers, Manufacturers and Vendors participated in various above workshops/programs and benefited from the Workshops.

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>TOPICS FOR WORKSHOP</th>
<th>TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Program Introduction</td>
<td>9:30 A.M. – 10:00 A.M.</td>
</tr>
<tr>
<td>2</td>
<td>Session-1: Water Chemistry Applicable to Various Treatments for RWTP,CWT, DM Plants, UF-RO-MB and Boiler Water conditioning etc.</td>
<td>10:00 A.M. – 11:30 A.M.</td>
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<td></td>
<td>Discussions</td>
<td>11:30 A.M. – 12:00 P.M.</td>
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<tr>
<td>3</td>
<td>Session-2: Cooling Water Treatments (CWT) Program to control Corrosion, Scaling, fouling, Optimisation of Operating Costs, Conservation of Water and Energy Saving with Case Studies.</td>
<td>12:00 P.M. – 5:30 P.M.</td>
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<tr>
<td></td>
<td>Lunch</td>
<td>1:00 P.M. – 1:45 P.M.</td>
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<tr>
<td>4</td>
<td>Session-3: Continue topic .......3 (CWT with Case Studies)</td>
<td>1:45 P.M. – 4:00 P.M.</td>
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<tr>
<td></td>
<td>Discussions</td>
<td>4:00 P.M. – 4:30 P.M.</td>
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<tr>
<td>5</td>
<td>Session-4: Passivation Program (Pre-Cleaning &amp; Passivation) of New &amp; Old Cooling Water Systems (Post-Shutdown) prior to normal CWT.</td>
<td>4:30 P.M. – 5:15 P.M.</td>
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<td>Discussions</td>
<td>5:15 P.M. – 5:30 P.M.</td>
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<tr>
<td>6</td>
<td>Session-5: Boiler water Conditioning based on pH-Phosphate Coordinated, All Volatile Treatment (AVT) &amp; Modern Polyamine treatment programs (Single Formulation) to control Corrosion, Scaling &amp; deposits in Boiler System.</td>
<td>9:30 A.M. – 12:30 P.M.</td>
</tr>
<tr>
<td></td>
<td>Lunch</td>
<td>1:00 P.M. – 1:45 P.M.</td>
</tr>
<tr>
<td>7</td>
<td>Session-6: Corrosion problems in steam condensate system &amp; Condensate Polishing Units (CPU) for maximum recovery of Condensate based on Modern Technology</td>
<td>1:45 P.M. – 4:15 P.M.</td>
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<td></td>
<td>Discussions</td>
<td>4:15 P.M. – 4:30 P.M.</td>
</tr>
<tr>
<td>8</td>
<td>Session-7: RO Technologies for Treatments for Various Applications</td>
<td>4:30 P.M. – 5:00 P.M.</td>
</tr>
<tr>
<td></td>
<td>Discussions</td>
<td>5:00 P.M. – 5:30 P.M.</td>
</tr>
<tr>
<td>9</td>
<td>Session-8: Water Conservation for Recovery of Water from Plant &amp; from Various Treatment Units for Re-Use based on Zero Liquid Discharge (ZLD)</td>
<td>5:00 P.M. – 5:30 P.M.</td>
</tr>
<tr>
<td></td>
<td>Conclusions</td>
<td>5:00 P.M. – 5:30 P.M.</td>
</tr>
</tbody>
</table>
REGISTRATION FORM

NIGIS EDUCATIONAL TRAINING PROGRAMME ON
Cooling Water Treatments (CWT) Programs, Boiler water Conditioning, RO Technologies for Treatments for Various applications, Optimization of Operating Costs and Water Conservation
6-7 November 2019 : Park Inn : Radisson, Lajpat Nagar, New Delhi

Name: ______________________________________________________________________________

Designation: ________________________ Email id: _______________________________________

Tel: ________________________________ Mobile no.:_____________________________________

For Invoice / Receipt of payment, please fill up the following information

Organisation / Company: _____________________________________________________________
(Under which invoice will be issued)

Address: ____________________________________________________________________________

__________________________________________________   Pin Code: ________________________

City: __________________ State: __________________  Country: _______________________

GST No.:___________________________________________  PAN No : ________________________

Email id: ___________________________________________ Tel : _____________________________
(Concerned officer)

BANK DETAILS

Beneficiary Account Name: NACE INTERNATIONAL INDIA SECTION

Bank Name: Oriental Bank of Commerce

Current Account Number: 06321131002218

Account Branch: Powai, Mumbai, India

Branch Code: 632

RTGS/NEFT/ IFSC: ORBC0100632

MICR: 400022025

SWIFT CODE: ORBCINBBPOW

PAN Number: AAATN2275L

GSTIN: 27AAATN2275L1ZA

Course Fees: Rs.12712/- + 18% GST  
(Rs. 2288/-)  = Rs.15000/- per delegate

Enclosed Cheque No:______________________

Dated: ________________________

For Rs. :________________________

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 two days of the course. Participants are responsible for making their own arrangements of accommodation, transport and dinner.

CORRESPONDENCE

NACE International Gateway India Section
305-A, Galleria, Hiranandani Gardens, Powai, Mumbai – 400076, India
Tel: 022-25797354/ 930   Email: rishikesh@naceindia.org | info@naceindia.org
Website : www.naceindia.org. | www.corcon.org