



Rev. 0, Mar 2023

COURSE BROCHURE

Level 3 Courses

The Institute for Oil and Gas Sector, which is abbreviated by IOGS, offers specialized training courses to gain skills in inspection and QA/QC in the various work filed in the industry.

The courses offered by IOGS will empower your knowledge, set you apart from the crowd, and enhance your skills to make you more valuable to your potential employers in the oil and gas, petroleum, or petrochemical industry.

COURSE CATEGORIES

**THERMAL
INSULATION**

**PASSIVE
FIREPROOFING**

**PROTECTIVE
COATING**

INSTITUTE ADDRESS

AllIMS Main Road, Phulwari Sharif, Patna 801505

Website: www.iogs.org | Email: enquiries@iogs.org | Tel: 73 690 42 996/997/998

COURSE DETAILS

The Insulation Inspector IOGS/CII Level 3 course will broaden your knowledge of thermal insulation and prepares you for the next level of thermal insulation inspection and quality control/assurance. The course takes you from basic (level 2) to advanced level of thermal insulation inspection and QA/QC and covers everything you need to know for a successful career in the thermal insulation work field of the oil and gas, petroleum, and petrochemical industries.

For your convenience, we are offering our insulation inspector level 3 course via the virtual platform which you can take from anywhere at a specific date and time using an internet-enabled device such as a desktop/laptop, tablet, or smartphone.

The course runs for 2 days and is led by an IOGS-appointed tutor who has a proven track record of instilling knowledge with a practical, friendly, and interactive approach.

WHO SHOULD PARTICIPATE

The Course is Suitable for:

- QA/QC INSPECTORS
- SUPERVISORS
- ENGINEERS
- MANAGERS
- TPI'S

CLASS TIMING

Flexible (Weekly or Regular)

COURSE SCHEDULES: 28 - 29 Apr, 2023 | 09 - 10 Jun, 2023 | 25 - 26 Aug, 2023 (Venue: Virtual Platform)

MAJOR COVERED TOPICS

- Purpose of insulating pipes, vessels, tanks, etc.
- The 3 common categories of thermal insulation material
- Physical forms and their use
- Differences between hot, cold, acoustic, and PP systems
- Insulation layering based on the thickness and operating temperature
- The use of liquid, membrane, and foil vapor barrier
- The use of joint sealant and vapor stop
- The differences between anti-sweat, cold, and cryogenic insulation systems
- Liquid-applied thermal insulation coating (GSPU, Novolastic, etc.)
- Advantages of metallic and non-metallic protective jacketing
- Why we don't use screws in cold systems, and what alternative options are available
- Corrosion under insulation (CUI) and Chloride Stress Corrosion Cracking (CLSCC) Consequences
- Reasons why CUI is one of the major problem, and is it really responsible for the plant shutdown/downtime.
- Risk-based inspection to avoid the insulation needs.
- Visible and invisible effects due to the improperly installed insulation system
- Insulation system maintenance
- Inspection instruments and their use
- Applicable standards and manuals
- Insulation inspection and QA/QC
- Insulation inspector's duties and responsibilities
- Commonly encountered issues and their remedial actions
- Documentation and reporting requirements
- Practical session/assessment
- Health and safety considerations

ELIGIBILITY REQUIRED

- IOGS/CII Level 2

HOW TO ENROLL

Enroll online at www.iogs.org, or fill out the course application form provided with the brochure and return it through email

FOR ENQUIRY OR MORE DETAILS

Send Email to training@iogs.org

COURSE AND EXAM FEE

INR 55,000 +18% GST = ₹64,900/-
or US\$ 795/-

Early Bird Offer

Enroll Insulation Inspector Level 3 Course Before 30 Days of the Course Start and Get 15% Discount

Group Enrollment

Get 15% Additional Discount in the Course Fee Under Group Registration (3 or More Candidates)

Special Offer

Fireproofing Inspector Level 3

COURSE DETAILS

The Fireproofing Inspector IOGS/CFI Level 3 course will broaden your knowledge of passive fireproofing and prepares you for the next level of fireproofing inspection and QA/QC work. The course takes you from basic (level 2) to advanced level of fireproofing inspection and covers everything you need to know for a successful career in the passive fireproofing work field of the oil and gas, petroleum, and petrochemical industries.

For your convenience, we are offering our fireproofing inspector level 3 course via the virtual platform which you can take from anywhere at a specific date and time using an internet-enabled device such as a desktop/laptop, tablet, or smartphone.

The course runs for 1 day and is led by an IOGS-appointed tutor who has a proven track record of instilling knowledge with a practical, friendly, and interactive approach.

WHO SHOULD PARTICIPATE

The Course is Suitable for:

- QA/QC INSPECTORS
- SUPERVISORS
- ENGINEERS
- MANAGERS
- TPI'S

CLASS TIMING

Flexible (Weekly or Regular)

COURSE SCHEDULES: 30 Apr, 2023 | 11 Jun, 2023 | 27 Aug, 2023 (Venue: Virtual Platform)

MAJOR COVERED TOPICS

- Type of fire protection used in the industry
- Cellulosic, hydrocarbon, and jet fire differences
- Passive fireproofing purposes and the industrial components that are fireproofed
- Importance of Hp/A
- Steel and the limiting temperature
- Initial surface conditions of the steel (rust grades)
- Overview of corrosion and control methods
- Surface preparation requirements for PFP application
- Surface profile measurements and methods used
- The purpose of primer used on the steel
- Differences between intumescent & cementitious PFP
- Types of intumescent & cementitious fireproofing
- Fireproofing application requirements
- Environmental conditions requirements and methods
- The use of helical and straight pins and the testing requirements
- Purpose of meshing and the types used
- Ratio and slump testing to ensure proper mix
- WFT/DFT measurement, criteria, and frequencies
- Visual inspection and acceptance criteria
- Common defects encountered and repairing methods
- Bond strength test
- Top coating requirements
- Applicable codes and standards
- Duties and responsibilities of a PFP inspector
- Corrosion under fireproofing - CUF
- Quality assurance and control
- Project documentation requirements
- Reporting and recordkeeping
- Health and safety considerations

ELIGIBILITY REQUIRED

- IOGS/CII Level 2

HOW TO ENROLL

Enroll online at www.iogs.org, or fill out the course application form provided with the brochure and return it through email

FOR ENQUIRY OR MORE DETAILS

Send Email to training@iogs.org

COURSE AND EXAM FEE

INR 41,000 +18% GST = ₹48,380/-
or USD 590/-

Early Bird Offer

Enroll Fireproofing Inspector Level 3 Course Before 30 Days of the Course Start and Get 15% Discount

Group Enrollment

Get 15% Additional Discount in the Course Fee Under Group Registration (3 or More Candidates)

Special Offer