



Rev. 5, Issued in Nov 2022

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 quality control 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 is designed to expand your knowledge and prepare you for the next level in the insulation inspection and quality control field. The course extensively covers the rudiments of thermal insulation inspection and quality control.

The duration of the course is 4-days and upon the course completion which is on the fourth day of the course, students will take a written examination. Successful candidates will be awarded the IOGS/CII Level 3 Insulation Inspector certification from the Institute for Oil & Gas Sector (IOGS).

The course holds at a set place, date, and time and is handled by an IOGS appointed tutor and invigilator, with a track record of instilling knowledge using a practical and friendly approach.

WHO SHOULD PARTICIPATE

The Course is Suitable for:

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

CLASS TIMING

09:00 AM - 05:00 PM

COURSE SCHEDULES: 12 - 14 Dec, 2022 @Patna | 22 - 24 Feb, 2023 @Chennai | 01 - 03 May, 2023 @Dubai

MAJOR COVERED TOPICS

- Purpose of insulating pipe and vessels
- Insulation materials and their categories
- Insulation terms, physical forms, and accessories
- Vapor barriers and vapor stops
- Protective Jacketings, finishes, and coatings used
- Single and multi-layer insulation systems
- Hot, PP, and acoustic insulation systems
- Anti-sweat, cold, and cryogenic insulation systems
- Subsea and underwater insulation systems
- Thermal insulation coatings
- Insulation system designing (basic)
- Anti-corrosion coating systems used under insulation
- Coating inspection and common defects
- CUI overview and prevention strategies
- Chloride Stress Corrosion Cracking (ESCC)
- NDT techniques for the CUI Detection
- Risk-based inspection to avoid the need for insulation
- Area's of concern to reduce heat loss/gain
- Use of expansion and contraction joints and springs
- Applicable standards and manuals
- Insulation inspector duties & responsibilities
- Project insulation specification and ITP
- Drawings and specification review
- Insulation inspection & quality control/assurance
- Inspection instruments and their use
- Visual inspection and common defects encountered
- Thickness measurement using PI tape
- Hardness, adhesion, and density tests
- Ratio and cup shot tests
- Health and safety considerations
- Practical identification
- Project documentation and reporting requirements

ELIGIBILITY REQUIRED

- IOGS/CII Level 2 or Equivalent, or
- 3 Years of work experience

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 USD 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 is designed to expand your knowledge and prepare you for the next level in the field of passive fireproofing (PFP) inspection and quality control. Among other things, you will learn about intumescent and cementitious fireproofing inspection and quality control as a major covered topic.

This 2-day classroom-based course comes with a written examination. Once you clear the exam, which comes up on the 2nd-day of the course, you become a certified IOGS/CFI Level 3 Fireproofing Inspector.

The course holds at a set place, date, and time. Enroll now and join other students under the tutelage of a vast and knowledgeable IOGS-appointed tutor and invigilator who instills knowledge in a simple, yet understanding manner.

WHO SHOULD PARTICIPATE

The Course is Suitable for:

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

CLASS TIMING

09:00 AM - 05:00 PM

COURSE SCHEDULES: 15 - 16 Dec, 2022 @Patna | 25 - 26 Feb, 2023 @Chennai | 04 - 05 May, 2023 @Dubai

MAJOR COVERED TOPICS

- Introduction to Passive Fireproofing
- Active and passive fire protection
- Steel limiting temperature and Hp/A
- Fire classifications and types
- Initial surface conditions of the steel
- Corrosion and control methods
- Environmental condition measurement
- Surface cleanliness and roughness
- Measurement of surface profile
- Thin and thick film intumescent
- Light and heavyweight cementitious fireproofing
- Use of Gypsum boards and blanket based fireproofing
- Storage requirements
- Helical and straight pinning
- Metallic and non-metallic meshing
- Application requirements
- Applicable standards
- Duties and responsibilities of a PFP inspector
- Visual inspection and acceptance criteria
- WFT and DFT measurement
- Frequency of thickness measurement
- Bend, twist, and bond strength tests
- Ratio and slump tests
- Common defects - painting and fireproofing
- Repairing methods
- Corrosion under fireproofing - CUF
- Top coating requirements
- Quality assurance and control
- Health and safety considerations
- Specifications and ITP
- Project documentation
- Reporting and recordkeeping

ELIGIBILITY REQUIRED

- IOGS/CFI Level 2 or Equivalent, or
- 3 Years of work experience

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**

Coating Inspector Level 3



COURSE DETAILS

The Coating Inspector — IOGS/CCI Level 3 course is designed to expand your knowledge and prepare you for the next level in the coating inspection and quality control field. Among other things, you learn protective coating inspection and quality control as a major covered topic.

This 5-day classroom-based course comes with a written examination. Once you clear the exam, which comes up on the fifth day of the course, you become a certified IOGS/CCI Level 3 Coating Inspector.

The course holds at a set place, date, and time. Enroll now and join other students under the tutelage of a vast and knowledgeable IOGS-appointed tutor and invigilator who instills knowledge in a simple, yet understanding manner.

WHO SHOULD PARTICIPATE

The Course is Suitable for:

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

CLASS TIMING

09:00 AM - 05:00 PM

COURSE SCHEDULES: 17 - 21 Dec, 2022 @Patna | 01- 05 Mar, 2023 @Chennai | 15 - 19 Jul, 2023 @Patna

MAJOR COVERED TOPICS

- Introduction to the protective coating or painting
- Corrosion and control methods
- Corrosive environments classification
- Substrates that require coating
- Rust and blast cleaning grades
- Surface contaminants
- Environmental testing requirements
- Surface preparation methods and equipment used
- Metallic and non-metallic abrasives
- Surface profile or anchor pattern
- Coating components and mixing
- Essential coating properties and curing mechanisms
- Coatings and their compositions
- Storage requirements
- Coating application methods
- Importance of wet and dried film thickness
- Single and multi-layer coating systems
- Pipeline and underground coatings
- The function of primer, intermediate, and topcoat
- Coating defects, cause, and their remedies
- Project coating specification and ITP
- Applicable standards
- Drawings and specification review
- Coating inspection & quality control/assurance
- Inspector's duties and responsibilities
- Inspection instruments and their use
- Visual inspection and common defects encountered
- Practical assessment
- Project documentation, reporting, and record-keeping
- Health and safety considerations

ELIGIBILITY REQUIRED

- IOGS/CCI Level 2 or Equivalent, or
- 3 Years of work experience

HOW TO ENROLL

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FOR ENQUIRY OR MORE DETAILS

Send Email to training@iogs.org

COURSE AND EXAM FEE

INR 63,500 +18% GST = ₹74,930/-
or USD 925/-

Early Bird Offer

Enroll Coating 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**