



5 Days Competence Based High Voltage-Low Voltage Switchgears Operation & Protection Relay Course

Course Code: GN05HLV

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Leaders in Ex Equipment Training for Hazardous Areas

Course Duration	Trainings Hours	Theory Content	Practical Content
5 days	40 Hours	50%	50%

Target Audience:

Designed for Electrical & Instrument personnel involved in handling power distribution systems and switchgear panels, either onshore/offshore or onboard vessels.

Course Objective:

The course provides training in the Operational Procedures for HV and LV switchgears & understanding in their respective Protection Relay used in distribution panels, synchronisation of the systems including the permit to work and safe isolation procedures.

Course Content:

Theory Induction:

- Power Generation, Transmission & Distribution,
- Electrical safety & Regulations,
- Permit to work & Switching/Operational Procedure & safe isolation,
- HV & LV Earthing system,
- Single line diagrams and symbols,
- H V switchgears & Operation,
- L V switchgears & Operation,
- Protection Relays & Control Diagram & UPS,
- Testing & Commissioning of HV System
- Synchronisation of generators,
- Inspection & Maintenance of HV / LV Switchgears.
- Practical Assessments Tests in HV & LV panels.

2 Practical modules:

- Ex01 – Inspection & Maintenance of H V Switchgears (VCB).
- Ex02 – Inspection & Maintenance of L V Switchgears (ACB).

Certification:

CERTIFICATE OF ATTENDENCE shall be issued by our Trainer and International Assessor from Shivam Training Centre upon completing the course.

Assessments and Criteria:

Theory Assessment
Practical Assessment

Delivery:

Teaching aids, class room theory, slides, videos, cables & glands, demonstration and Simulation/Competence based practical assessment.

Venue: Mumbai Training Centre

Bldg. – 39, Shop no. 102, Indian Corporation, Dapode Rd, Mankoli Naka Bhiwandi, Dist. Thane, Maharashtra (421302) India.

Minimum Participants per class:

2

Training Hours:

8:30am – 5:30pm

Course Dates and Fees:

Please contact us for details.

www.shivamtraining.com

Special Requirement:

Candidates are to bring their own PPE and qualification certificates for the course.