



TRAINING ON OPERATION AND MAINTENANCE (SIS)

DURATION : THREE DAYS

OBJECTIVES:

Provide working information on Safety Instrumented Systems, their design, installation, testing and maintenance requirements:

Duration 3 Days

Day – 1

Session-1: Safety Life Cycle – General Presentation

Session-2: Risk Assessment – HSE input

Session-3: Risk Assessment – Process Input

Session-4: SIL Determination Methods: Risk Matrix / Risk Graph – Explanation and

Session-5: LOPA - Explanation and Example

Day – 2

Session-1: General Rules/Guide for frequency and consequence analysis

Session-2: Safety Requirements Specification

Session-3: Reliability Analysis

Session-4: Examples of SIL Verification calculations

Day-3

Session-1: Failure rate data, Certification, SIS Validation

Session-2: Safety Manual/ Practical designs

Session-3: Proof Test Requirements, proof test schedule

Session-4: Maintenance and Proof Test Procedures