

RESUME

Mr. Sayyad Farhan R. Ali

Process/Technical Safety Engineer

Male, 26 Years,

Mumbai, INDIA

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Career Summary:

Technical Safety Engineer with **5 Years** of experience in **Process Safety/Loss Prevention and Fire-Fighting Design** in FEED, EPC Projects in **Oil & Gas, Petrochemical, Chemical & Power Plant Sector**.

Responsible for managing and following the Loss Prevention/Design HSE activities in strict compliance with contractual specifications and local/international laws, norms, procedures and standards in projects and proposals as well.

Experience covers the following:

- ✓ Coordination of the HSE Engineering team (home-office, off-shore office, subcontractors) allocated to the project
- ✓ Technical work on all the activities related to HSE Engineering discipline, with a strong influence of Process Safety Engineering background and Chemical Engineering education.

Main technical activities:

- ✓ Design HSE Plan, Design HSE philosophy, Fire Protection Design, Fire & Gas Detection Design
- ✓ Risk analysis studies (e.g. QRA, Fire & Explosion Risk Assessment, Building Risk Assessment, etc.)
- ✓ Fire protection engineering, from the conceptual design to the detail engineering of passive and active systems (Firefighting P&IDs, Firefighting Network Layouts, Safety Equipment Layouts, etc.)
- ✓ Passive Fire Protection (Fireproofing), Hazardous Area Classification
- ✓ Co-ordination with Risk Consultancies (Service Requisition generation, Review reports for safety studies such as QRA, FERA, F&G Mapping, Noise Mapping. etc.)
- ✓ Software Skills include PHAST, SOUND PLAN (for Noise Mapping), PIPENET, DETECT 3D (F&G Mapping).
- ✓ Supply management of firefighting systems and engineering services, Material Requisition preparation and Technical Bid Evaluation, vendor documentation technical follow-up

Skills Summary:

- ✓ Process Safety (Loss Prevention), Active/Passive Fire Protection Design Engineering in the view of various National (OISD) & International Standards viz. IEC, NEC, API, NFPA, EN, etc.
- ✓ FEED/EPC Engineering Activities related to Process safety/Loss Prevention, Fire Protection
- ✓ Quantitative Risk Analysis in the view of CCPS, TNO, etc. on PHAST
- ✓ Electrical Hazardous Area Classification in accordance with IEC, NEC, IP (EN), API, OISD
- ✓ Fire & Gas Detection Design, Cause and Effect Matrix in accordance with NFPA 72
- ✓ Design HSE Philosophy
- ✓ F&G Detection Design Philosophy
- ✓ Active Firefighting Philosophy in accordance with NFPA, IEC, OISD, API
- ✓ Passive Fire Protection (Fireproofing) Philosophy in accordance with NFPA, IEC, OISD, API
- ✓ Active Fire Protection Design (Fire Protection Specification, Fire water demand calculation, Fire water main ring layout, Fire water Deluge Spray/Sprinkler system design/Sprinkler, Fire water PID, Foam System Design, Firefighting and Safety Equipment Layouts, Gas suppression system design, Escape Route Layout) NFPA, IEC, OISD, API

- ✓ Supply management of Firefighting Systems/Equipment (Material Requisitions, datasheets, Technical Bid Evaluation, Vendor documentation Technical follow up)
 - ✓ Noise Study on Sound Plan
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Professional experience:

Working with TECHINT (Engineering & Construction) INDIA Private Limited, Mumbai as Sr. Engineer-HSE Design (Since July 08, 2013)

TECHINT Engineering & Construction provides project management, engineering, procurement and construction services on a global basis for large-scale projects in the Oil & Gas, Power, Mining, Infrastructure & Architecture civil works and Industrial Plants sectors.

Project Experience in:

- **TECPETROL (Fortin De Piedra Gas Production & Transportation Facility), Argentina**

The project consists of the execution of the detail engineering for the exploration of the oil area Fortin de Piedra, of Client Tecpetrol. It consists in the drilling of approximately 500 wells, construction of batteries, gas treatment plant called CPF (Central Processing Facility), duct of batteries with CPF and export pipeline of approximately 53 kms.

Responsibilities:

- ✓ Deputation to TECHINT Buenos Aires, Argentina office for effective co-ordination with Project team and Client as well.
- ✓ Hazardous area Classification Layout
- ✓ Fire protection system design including Fire water network layout, Fire extinguishers Layout and Fire and Gas Detection Layout
- ✓ Passive Fire Protection/Fireproofing layout

- **TOTAL (Incahuasi Phase II & Debottlenecking of Central Production Facility), Bolivia**

A FEED Contract for the second train Gas treatment, condensate and water, with a gas-selling capacity of 6.9 MMSCMD (corresponding to a normal capacity of 6.5 MMSCMD of gas sales and a Plant availability of 95%, corresponding to phase 2 of the development project at the Incahuasi field belonging to the Ipati block of total E&P Bolivia.

Responsibilities:

- ✓ Deputation to TECHINT Buenos Aires, Argentina office for effective co-ordination with Project team and Client as well.
- ✓ Hazardous area Classification Layout
- ✓ Escape Route Layout

- **ENAP Sipetrol (Proyecto Incremental Area Magallanes (PIAM)), Argentina**

Detailed Engineering (EPC) for the reconfiguration of offshore and onshore oil and gas production facilities in Area Magallanes located offshore belonging to ENAP Sipetrol in Argentina.

Responsibilities:

- ✓ Deputation to TECHINT Buenos Aires, Argentina office for effective co-ordination with Project team and Client as well.
- ✓ Hazardous Area Classification using IEC60079-10
- ✓ Firefighting & Safety Equipment design layout in accordance with NFPA 10, NFPA 14
- ✓ Supply management of Firefighting Systems/Equipment (datasheets, Vendor documentation Technical follow up)

- **LYONDELLBASELL (Butane Isomerisation Debottlenecking Project), Netherland**

An EPCM Contract Butane Isomerization Debottleneck Project in Botlek, Netherlands

Responsibilities:

- ✓ Fire & Gas Detection design philosophy, F&G Cause & Effect Matrix
- ✓ Hazardous Area Classification using IEC60079-10 & NPR7910
- ✓ Fireproofing Philosophy
- ✓ Firefighting Equipment Material Requisitions, datasheets, Technical Bid Evaluation, Vendor documentation
Technical follow up
- ✓ Ignition Source Analysis

- **IOCL LNG Ennore, India**

Detailed Engineering contract for LNG Terminal for IOCL. Indian Oil LNG Pvt Ltd (IOLPL), the largest commercial undertaking in India is engaged in the business of refining, transportation, and marketing the Petroleum products and Regasified LNG (RLNG). The Project was offloaded from B&V Oil & Gas, INDIA (The Principal EPC Contractor) to set up a 20 MMSCMD LNG import, Storage, and Regasification Terminal including a LNG road tankers loading facility at ENNORE in Tamil Nadu in India.

Responsibilities:

- ✓ Hazardous Area Classification in accordance with OISD 173
- ✓ Fireproofing & Cold proofing Philosophy & Schedule in accordance with API RP 2218
- ✓ Fire, Spill & Gas Detection Philosophy using NFPA 72
- ✓ F&G Cause & Effect Matrix using NFPA 72
- ✓ Firefighting Equipment Procurement activities: Datasheets, Material Requisitions, Technical Bid Evaluation.

- **El AMERIA Gas Turbine Simple Cycle Power Plant, Alexandria, Egypt**

Responsibilities:

- ✓ Fire & Gas Detection Layout preparation.
- ✓ Hazardous Area Classification using API 505
- ✓ Noise Simulation Study on SOUND PLAN
- ✓ Active Fire Protection design (Firefighting P&IDs, Firefighting Network Layouts, etc.)

- **South Helwan/Al Shabab/West Damietta Power Plants, Egypt (Three EPC Power Plant Projects)**

Responsibilities:

- ✓ Hazardous Area Classification Schedule/Drawing
- ✓ F&G Detection Design Philosophy, Design HSE Philosophy, Firefighting Design Philosophy
- ✓ F&G Conceptual Cause & Effect Matrix
- ✓ Fire Water/Foam Demand Calculation Table, total flooding system gas suppression system design, deluge spray/wet sprinkler/Preaction system design
- ✓ Fire Water/Foam Demand Calculation Table, total flooding system gas suppression system design, deluge spray/wet sprinkler/Preaction system design
- ✓ F&G Detection and Fire Protection Area Summary Table
- ✓ Firefighting system (deluge spray, wet/Preaction sprinkler, foam system, standpipe) PIDs

- ✓ Supply management of Firefighting Systems/Equipment (Material Requisitions, datasheets, Technical Bid Evaluation, Vendor documentation Technical follow up)

International Work Experience:

- **Milan (Italy) Project Deputation (March-June'16):**

On the job training under TECHINT Corporate Process Safety & Firefighting Design Experts.

- **Buenos Aires (Argentina) Project Deputation (January-August'17):**

Project Technical Safety Discipline Representative Buenos Aires (Argentina) office for TOTAL Incahuasi Gas Compression Plant Project, ENAP PIAM, and TECPETROL Fortin de Piedra Projects.

Educational Profile:

B.Tech in Chemical Technology (Petroleum Refining & Petrochemical Technology), from Laxminarayan Institute of Technology (LIT), Nagpur Affiliated to RTM Nagpur University (RTMNU) Nagpur, Maharashtra

Exam	Board/ University	Year of Passing	% obtained	Class obtained
B. Tech (Petroleum Refining & Petrochemical Tech.)	RTM Nagpur University	July - 2013	72.85	First class
H.S.C. (Higher Secondary School Certificate-12 th)	Maharashtra State Board	February - 2009	88.50	Distinction
S.S.C. (Secondary School Certificate-10 th)	Maharashtra State Board	March - 2007	84.76	Distinction

Personal Information:

Full Name	Sayyad Farhan Ali Rahemat Ali
Date of Birth	03 rd March, 1992
Marital Status	Single
Passport Availability	Yes
Nationality	Indian
Languages known	English, Hindi, Marathi, Urdu.
Current location	Mumbai, INDIA
Permanent Address	C/O Sayyad Rahemat Ali, Civil Court, Bhandara - 441904, Maharashtra (India)

Declaration:

I hereby declare that all the above details are correct and true according to the best of my knowledge.

DATE: / / 2018

Thanks & Regards,

PLACE: Mumbai, INDIA.

Sayyad Farhan Ali