

Harshal Sunil Langade

NEBOSH, Diploma (Industrial Safety Operations & Fire Technology),
B.E. (Mechanical Engineering)
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Profile

Qualified & motivated Health Safety & Environment Professional experience in Health Safety and environmental field. Diploma in Industrial Safety Operations & Fire Technology, Bachelor of engineering in Mechanical engineering, NEBOSH qualified professional with excellent skills in HSE Management & training. Seeking a challenging and professionally rewarding position, to contribute accrued expertise towards the qualitative enhancement of the organization by utilizing my skills, work experiences, knowledge and experience of infrastructure projects involving construction of tunnels by new austrian tunneling method (NATM), construction of underground and elevated metro stations, cut and covers and construction of tunnel, by tunnel boring machine (TBM).

Areas of Expertise

Knowledge and experience of infrastructure projects involving construction of tunnels by New Austrian Tunneling Method (NATM) & Tunnel Boring Machine (TBM), Heavy machinery and equipment management & traffic control. ISO 45001, ISO 14001, Traffic zone management, Construction safety management, HAZOP, HAZID, Hazard and effect management process, Risk assessment etc. Bow-Tie analysis principles of hazard control, Accident investigation and analysis of hazard mitigation, Emergency response plans & procedures, permit to work, Work at heights, lifting operation, Hazardous materials (COSHH), Confined space operations, Heat stress management, Fire prevention & Fire fighting, First aid & CPR.

Key Projects

Underground & elevated Metros, Tunnels and Cut & Covers

- Construction of micro tunnels, manholes and trial trenches, Dubai, UAE
- Construction of main running tunnels, Western Mountains, NEOM, Saudi Arabia
- Construction of tunnels adits access portal formation, Western Mountains, NEOM, Saudi Arabia
- Construction of underground and elevated metro station, tunnels by NATM and TBM and cut and covers

Professional Experience:

1. Assistant HSE Manager – China State Construction Engineering Corporation (Civil & Infrastructure Division) Middle East, Dubai, UAE **August 13, 2025, Till date**

Project: - DS-305 Interconnecting Al Quoz Developments to Dubai Municipality's Sewerage System Design and construction of manholes, trial trenches and micro tunnels

- Preparation of project startup documents with associated client and Dubai Municipality's requirements. Submittal of these documents and reviewing it with project consultant for their approval.
- Assist/develop Project HSE Plan in compliance with UAE's legal and Dubai Municipality's requirements and in addition to this develop/assist for project specific plans such as Lifting Operation Plan, Traffic management plan, Security management plan, Emergency preparedness and response plan, Heat stress management plan etc. identified in operational HSE risk control measures.
- Responsible for strict implementation of HSE policy and standards being the overall in charge of HSE.
- Ensures, in accordance with the corporate guidelines, the implementation, updating, review, and auditing of the Company HSE Systems.
- Monitors the effective implementation of appropriate Safety and Environment System procedures and provides for their updating in line with changes in Legislation and Company Directives.
- Responsible to calculate and measure project statistics and KPI compliance and provide suitable measures to complete and maintain those.
- Ensure proper traffic management and road diversions in accordance with Dubai's RTA (road

- traffic authority) with pre-qualified NOCs for completing the enroute activities.
- Evaluation of project HSE team in accordance with company's policy and conducting meetings with internal project management and consultants.
- Assists the Commercial, Engineering, and Operations Department in their dealings with clients in all issues concerned with Health and Safety at work. Define and monitor Asset Integrity KPIs to prevent the occurrence of major accident hazards.
- Review and approve RAMS, HSE Risk assessments prior to submitting to the client.
- Educate and enforce HSE Legal and client requirements, evaluate the compliance of legal and requirements.
- Temporary Traffic Management Plans as per Work Zone Traffic Management Guide.
- Managing functional elements of the operational health, safety and wellbeing function into an efficient, effective and cohesive team.
- Working collaboratively with the assurance function in the pursuit of continuous improvement.
- Issuing timely and effective escalation of non-compliance issues they are unable to influence or achieve a satisfactory conclusion.
- Enabling the assessment, management and mitigation of risk in accordance with regulation and good practice.
- Ensuring compliance with the sector specific HS training plan and KPI's agreed with or assigned by the consultant.
- Actively promote hazard identification, reporting and elimination or control by all project personnel.
- Monitoring and reviewing the HSE performance of the project HSE team and taking appropriate action to correct poor performance.
- Monitor and report effectiveness of security arrangements.
- Review the project Risk register monthly to ensure it is updated in response to the significant changes in the workplace.

2. HSE Coordinator - FCC Construcción, NEOM, Saudi Arabia March 19, 2023, To June 18, 2025

Project: - 4800000463/4800000571 Design and construction of NEOM Main Running Tunnels (Western Mountains) by New Austrian Tunneling Method (NATM) Lots 2 & 3

- Assist/develop Project HSE Plan in compliance with Saudi Arabia legal and client requirements and in addition to this develop/assist for project specific plans such as Lifting Operation Plan, Traffic management plan, Security management plan, Emergency preparedness and response plan, Heat stress management plan etc. identified in operational HSE risk control measures.
- Ensures, in accordance with the corporate guidelines, the implementation, updating, review, and auditing of the Company HSE Systems.
- Monitors the effective implementation of appropriate Safety and Environment System procedures and provides for their updating in line with changes in Legislation and Company Directives.
- Provides for motivation and familiarization of all company personnel respecting the importance of complying with company system procedures and all Safety equipment provided.
- Assists the Commercial, Engineering, and Operations Department in their dealings with clients in all issues concerned with Health and Safety at work. Define and monitor Asset Integrity KPIs to prevent the occurrence of major accident hazards.
- Review and approve RAMS, HSE Risk assessments prior to submitting to the client.
- Educate and enforce HSE Legal and client requirements, evaluate the compliance of legal and requirements.
- Temporary Traffic Management Plans as per Work Zone Traffic Management Guide.
- Managing functional elements of the operational health, safety and wellbeing function into an efficient, effective and cohesive team.
- Working collaboratively with the assurance function in the pursuit of continuous improvement.
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- Actively promote hazard identification, reporting and elimination or control by all project personnel.
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- Monitor and report effectiveness of security arrangements.
- Review the project Risk register monthly to ensure it is updated in response to the significant changes in the workplace.

**3. HSE Supervisor – China Railway Construction Corporation, NEOM,
Saudi Arabia
September 12, 2022, to March 18, 2023**

Project: - 4800000241- CRCC- SPINE TUNNEL ACCESS, ADIT AND PORTAL- C028. Design and construction of access Adits to main tunnels known as Tunnel Access Adits & Portal Formation (TAAPF) by NATM (New Austrian Tunneling Method) of western region of NEOM project.

- Responsible for controlling, reporting and distributing legal and work-related documents, reports and accurate information throughout the organization on time.
- Ensuring and coordination emergency response methods and techniques.
- Responsible for the legal documentation and site implementation of environment, health, and safety during construction of NATM.
- Responsible for carrying out site related activities and reporting them to management.
- Preparing and securing HSE activity reports, statistics, Enablon and maintaining them on regular basis.
- Participating in internal, external and consultant inspections and audits and reporting back with compliance.
- Coordinating with the team for problem solutions and requirements provisions on time.
- Responsible for traffic management inside NATM while regular material shifting and during concrete work.
- Ensure full safety standards to be followed during highly risky works such as blasting, excavation, rock bolting and mucking.
- Achieving zero accident performance.
- Participate in all kinds of Inspections and Audits.
- Analyses all work, identify any serious hazards and be proactive in implementing procedures that encourage safety construction.
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- Co-ordinate plans for the work, schedule, and liaises with other necessary departments to ensure that conflicts of interest between subcontractors do not occur and are performed in a safe and efficient manner.
- Confirm that Sub-contractors are fulfilling their responsibilities regarding safety requirements.
- Coordinating with tally man for smooth process of tally room and ensuring everyone should register before going inside the tunnel and vice versa.

**4. Senior Engineer HSE – Gulermak- TPL Pune Metro JV, India
June 5, 2020, to August 31, 2022**

Project: - Design & construction of underground metro stations between Shivajinagar to Civil court and twin tunnels by TBM and crossover by NATM, associated cross passages in the tunnels between Agriculture College to northern end of Budhwar peth station on the north-south corridor of Pune Metro Rail Project.

- Responsible for the legal documentation and site implementation of environment, health and safety during construction of NATM.
- Following all safety standards during erection and dismantling of gantry cranes.
- Responsible for traffic management inside NATM while regular material shifting and during concrete work.
- Ensure full safety standards to be followed during highly risky works such as blasting, excavation, rock bolting and piling.
- To ensure safety during all types of cranes (gantry crane, crawler crane, tower crane, traveler gantry crane) erection and dismantling.
- To ensure traffic management during construction elevated viaducts and piers.
- Following and implementing road traffic management system as per legal requirement from road traffic authority.
- Ensuring defined safe working procedures for over and under bridge constructions.
- Execution of Company Rules and regulations.
- Observing anything derogates the reputation of the establishment and communicates the same to the higher authority.
- To conduct investigation of any accident/incident and provide all inputs for the same.
- Achieving zero accident performance
- Conducting external and internal training programs
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- Conduct HSE training and motivational campaigns in coordination with site management.
- Assist in controlling area where critical tasks are being undertaken.

- Participate in all kinds of Inspections and Audits.
- Co-ordinate plans for the work, schedule, and liaise with other necessary departments to ensure that conflicts of interest between subcontractors do not occur and are performed in a safe and efficient manner.
- Carryout inspections of the assigned area, Work Methods, Machines amp; Materials, P&M and other tools and Tackles.
- Facilitate administration of FIRST – AID
- Facilitate Screening of workman and EHS inductions.
- Attend the Construction / Progress Co-ordination Meeting and take the lead to address safety issues in the meeting.
- Analyses all work, identify any serious hazards and be proactive in implementing procedures that encourage safety construction.
- Confirm that Subcontractors are fulfilling their responsibilities regarding safety requirements.
- When critical measures are required to correct unsafe activities or work conditions, suspend work or prohibit the use of facilities until rectification is confirmed.

5. Assistant Engineer HSE – Tata Projects Pvt. Ltd, India July 1, 2017, to June 5, 2020

Project: - Design & construction of underground metro stations and tunnels viz. Hussain Ganj and Hazrat Ganj of Lucknow Metro Rail Project.

- Ensure the various SOP like Construction, Confined space, hot work, work at height etc.
- Ensure Effectively Implementation of safety manual and procedure in the plant premises.
- Ensure usage of adequate Personal Protection Equipment (PPEs) by all Workmen, Executives / Engineers, and Visitors.
- Ensure Toolbox talk meeting on regular basis.
- Monitored strict compliance of “Permit to Work” system at work site & explain the importance of the same to the workers.
- Safety Induction training to new employees and workers.
- Provision of First Aid Material at site and giving First aid emergency services to workers.
- Awareness of Do’s and Don’ts in Safety
- Assisting managers for Hazard Identification & Risk Assessment, Accident Investigation & Environmental Monitoring.
- Ensure emergency evacuation area and provided necessary help to workforce in maintaining good housekeeping & proper waste disposal in the working premises.

Education

- NEBOSH IGC, From NIST Institute, Pune, Maharashtra, India.
- Diploma In Industrial Safety Operations & Fire Technology, From Acute Institute, Karad, Maharashtra, India.
- B.E. Mechanical Engineering, From Shivaji University, Kolhapur, Maharashtra, India.

Specialized Training & Experience

- Emergency response
- Disaster management
- Fire and safety management
- Incident & injury prevention & management
- Accident prevention & investigation
- Emergency first aid & CPR
- Fire warden.
- COSHH risk assessor
- Workplace Safety Management
- Scaffolding Inspeccion

Computer Skills

- MS Office, Aconex, AutoCAD, Catia V5

Personal Information

Date of Birth : February 23, 1998
Nationality : Indian
Driving License : 2533882656 (KSA), MH5020140007187 (India)
Marital Status : Married
Passport No : T9517758
Passport Issue Place : Pune
Passport Expiry : 25-09-2029

Languages Known

English, Hindi, Marathi

Declaration

I, the undersigned certify to the best of my knowledge and belief that the data mentioned herein correctly describes me, my qualifications and experience.



Yours Sincerely,
Harshal Langade