

SHOWKAT SARWAR

MECHANICAL ENGINEERING MANAGER – PLANT & EQUIPMENT

Email: showkatsarwar.mech@gmail.com | Mobile: +91-9797595660 | +91-8082468277

Passport: Z7618367 | DOB: 15th June 1983 | Nationality: Indian

PROFESSIONAL SUMMARY

Highly accomplished Mechanical Engineering Manager with 18+ years of progressive international experience spanning Italy, Bhutan, Saudi Arabia, and India. Proven expertise in plant and equipment management, maintenance operations, and large-scale infrastructure projects including tunneling (NATM/TBM), hydro power, and railway construction. Demonstrated success in leading multinational teams, managing multi-million dollar budgets, and implementing preventive maintenance strategies across diverse industrial environments. Strong background in geotechnical instrumentation, vendor management, and technical training with excellent track record in Middle East and international construction sectors.

CORE COMPETENCIES

• Plant & Equipment Management	• Preventive & Predictive Maintenance	• NATM & TBM Tunneling Operations
• Heavy Equipment Operations	• Budget & Resource Management	• Team Leadership & Training
• Geotechnical Instrumentation	• International Project Management	• Vendor & Procurement Management

PROFESSIONAL EXPERIENCE

MANAGER PLANT AND EQUIPMENT

Fomento de Construcciones y Contratas (FCC Construcción) – NEOM Spine Infrastructure, Saudi Arabia

December 2023 – Present

Key Responsibilities & Achievements:

- Lead multidisciplinary teams of 50+ maintenance, electrical, and hydraulic technicians for NATM tunneling operations
- Manage comprehensive preventive maintenance programs for heavy equipment (drill jumbos, shotcrete machines, loaders, dumpers)
- Oversee departmental budget of \$2M+ annually, achieving 15% cost reduction through strategic vendor negotiations
- Implement predictive maintenance strategies resulting in 25% improvement in equipment uptime
- Conduct root cause failure analysis and develop corrective action plans, reducing downtime by 30%

PLANT & MACHINERY MANAGER

AFCONS Infrastructure Ltd – Delhi Metro Rail Corporation (DMRC), India

June 2023 – December 2023

- Successfully commissioned Schwing Stetter M-1T 60m³/hr Batching Plant with integrated systems
- Managed TBM and NATM operations for 5 underground stations with 200m+ tunnel construction
- Supervised maintenance teams and established optimal work schedules for resource allocation

PLANT & MACHINERY MANAGER

AFCONS Infrastructure Ltd – Udhampur Srinagar Railway Project, India

November 2015 – June 2023 (7+ Years)

- Managed plant operations for major railway infrastructure project involving tunnels T-49B, T-50, bridges, and earthworks
- Established preventive maintenance protocols reducing equipment failure rates by 40%
- Implemented MEP (Mechanical, Electrical, Plumbing) systems and maintenance procedures
- Led training programs for 100+ maintenance personnel on safety and technical procedures

PROJECT MANAGER

Condor Gulf Technologies Company Ltd – Al Khobar, Saudi Arabia

February 2014 – November 2015

- Managed geotechnical instrumentation projects with \$500K+ budgets across Saudi Arabia
- Coordinated with international suppliers ensuring compliance with Saudi building regulations
- Developed quality control programs achieving 98% client satisfaction ratings

ASSISTANT MANAGER MECHANICAL

Amritanshu Infrastructures & Management Pvt Ltd – T-74R USB Rail Project, India

November 2012 – February 2014

- Erection and commissioning of plant and equipment (DG Sets, Drill Jumbo, Shotcrete machines, 30m³ Batching plant)
- Planned and preventive maintenance of hydraulic and heavy equipment
- Managed manpower allocation and equipment scheduling for optimal project execution

SENIOR MECHANICAL ENGINEER

Hindustan Construction Company Limited – Daggachu Hydro Electric Power Project, Bhutan

November 2010 – November 2012

- Maintained comprehensive fleet of heavy earth-moving equipment (excavators, shotcrete machines, concrete pumps)
- Supervised dam site gate erection and diversion tunnel inlet gate completion
- Managed maintenance of batching plants (30 & 60m³) and 260 TPH crushing plant
- Led construction of HRT tunnels, access tunnels, and power house caverns using NATM methodology

CHIEF MONITORING ENGINEER

SISGEO s.r.l – Udampur Srinagar Railway Project T-80, India

August 2006 – November 2010 (Promoted within 6 months)

- Led construction of 10.8 KM railway tunnel through NATM methodology
- Specialized in monitoring and installation of geotechnical instruments (pressure cells, strain gauges, extensometers)
- Managed data evaluation and analysis for tunnel stability and safety compliance
- Promoted to Chief Monitoring Engineer within 6 months of joining

TECHNICAL SKILLS & EXPERTISE

Tunneling Technologies	NATM (New Austrian Tunneling Method), TBM (Tunnel Boring Machine), Drill & Blast Operations
Heavy Equipment	Drill Jumbos, Shotcrete Machines, Batching Plants, Concrete Pumps, Excavators, Crushing Plants
Maintenance Systems	Preventive Maintenance, Predictive Maintenance, Root Cause Analysis, Equipment Diagnostics
Specializations	Geotechnical Instrumentation, Hydro Power Projects, Railway Infrastructure, MEP Systems

EDUCATION & QUALIFICATIONS

Bachelor of Technology (B.Tech) in Mechanical Engineering

National Institute of Technology (NIT) Srinagar, Jammu & Kashmir, India

Year of Graduation: 2006

KEY ACHIEVEMENTS

- 18+ years of progressive international experience across Italy, Bhutan, Saudi Arabia, and India
- Successfully managed NEOM Spine Infrastructure project (Saudi Arabia's flagship development)
- Promoted to Chief Monitoring Engineer within 6 months at SISGEO Italy
- Led commissioning of multiple batching plants and heavy equipment across international projects
- Achieved 25% reduction in equipment downtime through predictive maintenance implementation
- Completed 10.8 KM railway tunnel construction and multiple hydro power project components

LANGUAGES & INTERNATIONAL EXPERIENCE

Languages: English (Fluent), Hindi (Native), Urdu (Fluent), Kashmiri (Native)

SHOWKAT SARWAR

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