

SYED TANVEER

Project Manager / Senior Resident Engineer – Mechanical / Infrastructure Utilities

Contact: Mobile: +966 54 2497419 | Email: tanveer1975oct@gmail.com

SCE – Registered Engineer, Iqama transferable
Riyadh, Saudi Arabia

PROFESSIONAL PROFILE

Senior Mechanical and Infrastructure Utilities Engineer with over **26 years of experience delivering large-scale infrastructure systems** across Saudi Arabia, the Middle East, Egypt, and Pakistan.

Extensive experience working within **PMC and consultant environments**, responsible for **design review, construction supervision, contractor coordination, authority liaison, and testing & commissioning** of complex infrastructure utilities. Specialized in **district cooling networks, pumping stations, irrigation and TSE transmission systems, stormwater infrastructure, and firefighting pump rooms**, supported by strong experience in **hydraulic system analysis and mechanical infrastructure delivery**.

Recognized for delivering **technically compliant, hydraulically optimized infrastructure systems** aligned with **Saudi regulatory frameworks and international engineering standards**.

KEY Program/Projects METRICS

- Infrastructure Pipeline Systems supervised including **HDPE, DI, GRP and Carbon Steel pipelines**
- District Cooling Distribution Networks up to **1200 mm diameter**
- Installation and commissioning of **split case pumps, vertical turbine pumps, and booster pumps**
- Implementation of **NFPA compliant firefighting pump rooms**
- Multiple pumping systems supporting **urban infrastructure and residential developments**

CORE EXPERTISE

- **Infrastructure Utilities Engineering**
- Large Pumping Stations and Hydraulic Systems
- District Cooling & Chilled Water Distribution Networks
- Stormwater Pumping Infrastructure
- Irrigation and TSE Transmission Networks
- Fire Pump Rooms and **NFPA Compliance**
- Hydraulic Analysis and Surge Protection
- Pressure Reducing Valve (PRV) Stations
- Technical Design Review and **Material Approval Requests (MAR)**
- Construction Supervision and **QA/QC Compliance**
- Testing and Commissioning of Infrastructure Systems
- Client / Consultant / Contractor Interface Management
- Authority Coordination and Regulatory Compliance
- Risk Mitigation and Value Engineering

ENGINEERING SOFTWARE

- AutoCAD
- Primavera P6
- MS Project
- WaterGEMS Hydraulic Analysis
- Navisworks BIM Coordination
- Aconex Document Control System
- Advanced Microsoft Excel

CERTIFICATIONS

- NFPA Awareness Training
- PMP Awareness and Applications
- OSHA Safety Training
- Primavera P6 Project Planning
- Navisworks BIM Training

PROFESSIONAL EXPERIENCE

DAR Engineering – Saudi Arabia | 2024 – Present

Resident Engineer / Senior Mechanical Engineer – Infrastructure Utilities

- Responsible for mechanical supervision and technical evaluation of infrastructure utilities supporting large urban development projects across Saudi Arabia. The role includes review and approval of mechanical design calculations, shop drawings, and technical submissions, supervision of pumping stations and district cooling systems, coordination with contractors and consultants, and oversight of testing and commissioning activities to ensure full compliance with project specifications and Saudi regulatory standards.

Key Projects

ALFANAR Factory – Infrastructure & Irrigation Systems, Saudi Arabia _ Jan 2025 – Present

- Serving as Resident Engineer responsible for supervision of infrastructure utilities supporting the HVDC industrial manufacturing facility. The project includes irrigation pumping systems, water transmission pipelines, and mechanical utility infrastructure required for industrial development. Responsibilities include review of mechanical designs and shop drawings, supervision of installation activities, coordination with contractors and consultants, and ensuring full compliance with engineering standards and project specifications.

ROSHN SEDRA – Saudi Arabia _ Jan 2024 – Jan 2025

Client: Public Investment Fund Development Company

Program Value: Approximately **SAR 350 Billion**

- Worked as Resident Engineer overseeing infrastructure utilities within one of Saudi Arabia's largest residential development programs. The role involved supervision of irrigation pumping stations, district cooling chilled water networks up to **1200 mm diameter**, stormwater pumping stations, and treated sewage effluent transmission pipelines. Responsibilities included hydraulic system verification through pump and system curve analysis, coordination with project stakeholders, and ensuring compliance with Saudi infrastructure regulations and international engineering standards.

Ethihad Group - Middle East | Pakistan | Egypt

2005 – 2023

General Manager / Project Manager – Pumping Systems & Infrastructure Utilities

Led mechanical engineering delivery for large infrastructure and residential development projects, including pumping stations, water distribution systems, and mechanical infrastructure utilities. Responsibilities included project supervision, technical review of construction documentation, coordination with contractors and consultants, and management of installation and commissioning activities to ensure quality and project schedule compliance.

Key Project

- Metro Bus Rapid Transit Infrastructure – Lahore, Pakistan**

Client: Lahore Development Authority

Project Value: Approximately **PKR 29 Billion**

- Participated in the delivery of mechanical infrastructure utilities for a **27 km Bus Rapid Transit corridor** including elevated structures and multiple passenger stations. Responsibilities included supervision of water supply networks, drainage infrastructure, firefighting pump systems, and HVAC installations for station facilities. The role

involved monitoring construction progress, reviewing technical submissions, witnessing testing and commissioning activities, and ensuring compliance with project engineering standards.

Kohinoor Group, Berger Paints, Pakistan | 1999 – 2005

Senior Mechanical Site Engineer – Infrastructure Utilities

Supervised installation and commissioning of mechanical infrastructure utilities for industrial and residential development projects. Responsibilities included pipeline installation supervision, mechanical system commissioning, and coordination with civil and electrical engineering teams during infrastructure construction activities.

Key Projects

- Urban Infrastructure Development Projects
- DOPA Housing Scheme Infrastructure Development
- Etihad Town Urban Development
- TAPL Group Residential Infrastructure
- Kaho Group Infrastructure Utilities

TECHNICAL SYSTEM EXPERIENCE

- **Pumping Systems**
- Stormwater Pumps
- Irrigation Pumps
- Booster Pumps
- Fire Pumps (**NFPA 20 compliant**)
- Split Case Pumps
- Vertical Turbine Pumps

Pipeline Infrastructure

- HDPE pipelines (Butt Fusion / Electrofusion)
- Ductile Iron pipelines
- GRP pipelines
- Carbon Steel pipelines
- Pre-insulated Chilled Water pipelines

EDUCATION

Bachelor of Science in Mechanical Engineering – 1999
Bachelor of Science in Physics and Mathematics

PROFESSIONAL MEMBERSHIP

Saudi Council of Engineers (SCE)
Registered Mechanical Engineer

LANGUAGES

English – Fluent

Arabic – Working Knowledge