



Muhammad Tanveer Akhtar, (PMP)[®]

Lead Civil / Structure Design Engineer

EDUCATION

- › B.E CIVIL (2001 -2004)
University of Engineering & Technology Lahore, Pakistan

AREA OF EXPERTISE

- › Design & Engineering
 - Water Treatment Plant
 - Substation & OHTL
 - Powerplant
 - Residential & Commercial
- › Planning, Monitoring & Control
 - Schedule
 - Cost
 - Risk & Issues
- › Document Management

SOFTWARES SKILL

- › Staad Pro – Excellent
- › Staad Foundation – Excellent
- › SP Columns – Excellent
- › Mathcad – Excellent
- › AutoCAD (2D & 3D) – Excellent
- › MS Project – Excellent
- › Primavera – Good
- › MS Excel (with VBA) – Excellent
- › Adobe Acrobat – Excellent

CERTIFICATIONS

- › I AM SPECIALIST (BY VELSOFT)
 - Technical Learning
 - Time Management
 - Business Writing
 - Business Ethics
 - Peer relationship
 - Personal Development
- › MISCELLENEOUS (By SkillSoft)
 - Leadership skill for supervisor
 - Writing Reports & Proposal
 - Building Trust & Commitment
 - Motivating and Optimizing Team Performance

MEMBERSHIPS

- › Saudi Engineering Council
- › Pakistan Engineering Council

NATIONALITY

- › Pakistani

LANGUAGES

- › English & Urdu- Proficient

EXPERIENCE AND BACKGROUND

TOTAL 17 YEARS OF PROFESSIONAL EXPERIENCE IN CIVIL/STRUCTURAL DESIGN WITH BLEND OF PROJECT MANAGEMENT.

CORE SKILL(S) / SPECIALTY ARE AS BELOW:

DESIGN

- Possess an overall experience of Analysis, Design, Review & Detailing of different concrete structures, Industrial Building, Substation/ Industrial building, GIB Steel Support Structures, Equipment Steel Structures, outdoor foundations & OHTL foundations etc.
- Managing the design development of the projects which includes Preparing / Checking of calculations, General arrangement, Detail Drawings & Material Take off etc.
- Proficient in use of international codes of practice like ACI, UBC/IBC, ASTM, ASCE, AASHTO etc.
- Coordination with other disciplines, project team & site for required inputs for timely completion in compliance with company QA/QC Procedures
- Review of vendor drawings / other discipline drawings for adequacy of Civil design input requirements

PROJECT MANAGEMENT

- Monitoring and Control of Schedule, Cost, Schedule, Procurement & Resource on weekly basis in MS Project and self-developed excel spreadsheets.
- Identify, analyze & report the cost trends by generating EVM reports on weekly basis. Report consists of Cost baseline, Cost variance, estimate at completion, estimate to complete, Variance at completion, Change order status, Invoicing/Payment Status etc.
- Identify, analyze & Report the Schedule trends on weekly basis. Report consists of schedule baseline, schedule variance, look ahead plan, Milestone status, Resources etc.
- Identify and track the risk viability and present the mitigation plan.
- Responsible for document management system at Department Level & Project level.
- Review and analyze the Reports from other stakeholders to ensure compliance with project objectives

GENERAL

- Developed many design calculation programs and project management templates in MS Excel & Mathcad.
- As an internal Auditor, conduct QMS awareness session and regular internal audits to assure and control quality
- Perform a lead role in a company for continuous improvement plan of design development procedures and Work Instructions.
- Proficient in dealing and customizing the advanced EDMS like Bentley ProjectWise, Aconex, SharePoint etc.

EXPERIENCE:

1) **Employer:** Kaden Investment, Riyadh-KSA

Duration: Feb 2020 till to date

Position: PROJECTS CONTROLLER

Type of Project: Commercial

Scope of Employer's Contract: Developers

Specific Duties and Responsibilities/Scope of Work: Projects Controller

- Preparing weekly dashboard reports consist of Cost, Schedule, Risk, quality, safety reports in liaison with Design and construction head
- Monitoring and tracking of Cost, Schedule, Risk etc.,
- Prepare purchase requests and follow coordinate with procurement till the issuance of purchase order
- Review of invoices and maintaining payment log for each contract
- Monitoring and controlling of document management system at project level and department level
- Follow up with contractors for contract closing
- Identify and track the risk viability and present the mitigation plan.
- Review and analyze the Reports from contractors to ensure compliance with project objectives

2) **Employer:** DAR Engineering, Riyadh-KSA

Duration: Jan 2008 to Feb 2020 (12 years)

Type of Project: Engineering projects [Healthcare Buildings, Infrastructure Development, Generation, Transmission & distribution]

Scope of Employer's Contract: Design/Engineering and Project Management

Specific Duties and Responsibilities/Scope of Work: Design & Project Management

A. From Jan 2015 to Feb 2020 – Working as a Project Manager/ Asstt. Project Manager

- DR. SOLIMAN FAKEEH HOSPITAL IN AL MADINAH (As PM)
- WAHAT QIDDIYA DEVELOPMENT PROJECT (As Project Engineer, Client is QIC)
- JOHN HOPKINS ARAMCO HEALTHCARE (As PM, Client is ARAMCO)
- KING SALMAN BIN ABDULAZIZ SPECIALIZED HOSPITAL, LUSAKA ZAMBIA (as Coordinator)
- CONSTRUCTION OF NEW 380/33 KV BSP # 9052 FOR RIYADH METRO PROJECT (as a PM)
- 132/13.8KV SUBSTATION # 8360 (as a PM, Client is National Guard)

B. From 2012 to 2015 – Overall Project Coordinator and Design Engineer

For 380kV Substations (15+ Projects)

132kV Substations (20+ Projects)

380kV/132kV OHTL (15+ Projects)

C. From 2008 to 2015 - Worked as a Civil/Structural Design Engineer

Major Miscellaneous Design Tasks

- > DESIGN OF STEEL SUPPORT STRUCTURES AND FOUNDATION FOR GIB (Gas Insulated Bus Duct) in Power Plant (PP-10)

(Client Name: SIEMENS, GERMANY)

- One of the largest GIB in Saudi Arabia
 - Length is more than 1.0km without expansion joint
 - Special connection for GIB fixing was provided to take care of temperature effect (elongation/contraction) connections were able to absorb 500mm elongation safely.
 - Project consist of more than 600 steel structures with complex connection design
- > RESPONSIBLE FOR PREPARATION/VERIFICATION OF FABRICATION DRAWINGS AND BOQ FOR ABOVE STATED TASK
 - > DESIGN OF OUTDOOR EQUIPMENT STEEL SUPPORT STRUCTURE AND FOUNDATIONS IN OUTDOOR 380kV SUBSTATION (SS#9030) (STRUCTURE QTY: 1200 approx.)
 - > REVIEW / VERIFICATION OF FABRICATION DRAWINGS AND BOQ FOR ABOVE STATED TASK
 - > 380kV OHTLs WORKS ASSOCIATED WITH CONNECTION OF IRRQAA (9034) – **Consist of more than 600 towers**
 - > DESIGN OF SPECIAL BUILDING (WESTERN REGION CONTROL CENTER – JEDDAH)
 - > DESIGN OF SPECIAL BUILDING (CENTRAL REGION CONTROL CENTER – RIYADH)
 - > DESIGN REVIEW FOR YANBU POWER PLANT
 - > DESIGN OF NON-PLANT BUILDINGS FOR BELOW POWER PLANT
 - 1- PP-13
 - 2- PP-14

3) **Employer:** DESCON Engineering Limited, Lahore-Pakistan

Duration: Jan 2005- Dec 2007 (03 years)

Position: Design Engineer, CIVIL

Type of Project: EPC projects [Water & Sewage Treatment Plants]

Scope of Employer's Contract: Engineering, Procurement, and construction

Specific Duties and Responsibilities/Scope of Work: Design, Construction supervision & coordination of Water Treatment Plants Civil works.

Water Treatment Plants & Misc.

- > 8.0 MGD WATER TREATMENT PLANT AT PREETABAD, HYDERABAD
- > 8.0 MGD WATER TREATMENT PLANT AT HALA NAKA, HYDERABAD
- > 10.0 MGD WATER TREATMENT PLANT AT MIRPUR CITY (MJV)
- > WASTE WATER TREATMENT PLANT KARACHI (25 MGD CAPACITY)
- > 10 MGD WATER TREATMENT PLANT AT MURREE
- > 2.0 MGD DESALINATION PLANT, GAWADAR
- > 2.0 MGD SEWAGE TREATMENT PLANT AT DHA, KARACHI
- > MIRANI DAM PROJECT (Partial Involvement as assistant)