



# ENGR. RAHIL TASAWAR

🏠 Khobar Saudi Arabia

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## Job Objective

Seeking for senior-level assignments in Construction Supervision Consultancy / Project Management Company with an organization of high repute being a **Commissioning/Project Manager** and preferably in the MEP field for High Rise Buildings, Data Centres, Residential, and Infrastructure.

## Summary

- Nearly 24 years of experience in MEP, Power & Distribution Project management, execution, testing, and commissioning in the Electrical field.
- A strategic Group Leader with versatile experience in handling the scope of tasks right from planning, monitoring, and controlling phases of project lifecycle, overall inter-discipline coordination, administration, and resource planning, etc as stated below:
  - ✚ Project Management Planning & Project Control Procedures.
  - ✚ MEP Design review, Shop drawings & material submittals review & its approvals.
  - ✚ Methods statement review & approval for Site Mobilization, Quality Control, MEP Services, and HSE Plan.
  - ✚ Site inspections for materials & workmanships and preparing weekly/monthly MEP Progress reports.
  - ✚ Review MEP services invoices & site measurements and recommend to management for approval.
- Led team of Electromechanical Engineers, Sr. inspectors, Quantity Surveyors, Quality Control & HSE Engineers.
- Expertise in review of designs/plans, layouts, working drawings, and construction details to ensure execution of projects within time and budgeted parameters.
- Monitoring & controlling projects with respect to cost, time runs, and quality to ensure satisfactory execution of projects; liaising with subcontractors and subordinates to get things done within scheduled duration.
- Prepare checklists for MEP Project control, Quality Control & Safety/ Accidents Prevention Plans.
- Coordination for the design and construction and managing claims and disputes in an impartial manner.
- Prepare MEP Checklists for the Concept Design Stage, Schematic Stage, DD Stage, and GFC Drawings.
- Vendor Selection for MEP by reviewing Vendors' pre-qualifications, Specifications & BOQ.
- Site Supervision & coordination for MEP Works & its Procedures, Inspection & Testing for MEP Works.
- Project Control & Monitoring using Primavera Contract Manager (Version 13) & Aconex.
- Project Management Planning & Scheduling for MEP Works using Primavera P6.
- Assistance in Contract Claims & Variations, Value Engineering, Quality Management, and Risk Management. Prepare Project Control Procedures, Project Management Templates & Flow charts, and Responsibility metrics.
- Well aware of authorities' regulations e.g., DEWA, ADDC, Etisalat, Du, SEC, STC, etc.
- Good knowledge of standards & codes, e.g. FIDIC, IEEE, IEC, NEC, NEMA, NFPA, etc.

## Core Competencies:

Project Management & Site supervision, testing, and commissioning activities including design review for electrical installations mention below!

- ✚ HV/MV/LV power systems, MDB, SMDB, DB, Lighting and Power, Aircraft Warning Lights, Street Lighting, Swimming Pool & fountains lighting, Façade Lighting, Telecommunication network, Emergency Lighting, Central Battery System, CCTV System, etc.
- ✚ Underground power and communication system cable works along with testing and pre-commissioning.
- ✚ Review and modify HV/LV/ELV schematic designs, loads scheduling, Lighting & voltage drop calculations, etc. as per requirements.
- ✚ Preparation of Weekly and monthly Reports & Presentations.



## Employment Details

**Project Manager-115kV UG Cable**

**DEC 2022 to Date**

**KEIR International, Riyadh, KSA**

**Project:**

Intertie Between West Khobar and West Khobar 2 Substation- 115 kV UGC along with protection control relay panels and a telecommunication system including testing and commissioning.

**Project Manager (Infra-structure)**

**Feb 2022 to Dec 2022**

**Bilal Switchgear Engineering Ltd, Pakistan**

**Project:**

Border Crossing Faculty Torkham Pak.

Construction of 4xSub stations and 1xPower station along with complete civil electrical activities.

MV/LV underground cable laying – 50 km.

Installation of Lighting poles- 700 Nos along with feeder pillar.

ELV system for data centres, commercial buildings, and vehicle scanner areas

**Manager Project-MEP**

**March 2019 to Jan 2022**

**Airtech Engineers Islamabad,**

**Pakistan**

**Projects Detail**

1. Construction of Complex of Residential and Commercial buildings in Afghanistan

Embassy Islamabad.

2. Construction of 2 x High-rise building at Eighteen, Islamabad

**Pre-Commissioning/Installation Manager** DEC 2016 – Nov 2018

**China Harbor Engineering Company SA**

**Project:**

An EPC project of the Construction of a Water Intake System for Jizan Refinery including two Substations of 132/13.8 kV & 11 kV to 400 VAC, vertical type large pump rating of 3MW, Water cooled HVAC System, etc. at Jizan Economical City Baish, Jizan, KSA

**Project Manager**

**Sep 2015 to Dec 2016**

**Hadania Corporation –Riyadh, Saudi Arabia**

An EPC Project of Extension of 11/33 kV, 2 x20 MVA Substation constructions along with demolishing of 33/11 kV Switchyard by creating a new distribution system.

**Project Manager**

**June 2008 to July 2015**

**Global Chemical & Maintenance System LLC, Muscat, Oman**

**Projects Detail:**

More than 10 power and distribution projects are in my account as PM

## Technical Skills

- manage and drive the commissioning process of electrical equipment and installations and lead the on-site functional testing.
- assist in the day-to-day activities to include but not limited to witnessing on-site testing and commissioning, review of design/testing certification and method statements, input into the project tracking matrix, input into commissioning meetings, input into the 2-week lookahead and sub-contractor liaison.
- Review & verify & approve contractor's / vendor's pre-qualifications, logistics plans, HSE Plans, methods statements, shop drawings, materials submittals, MEP Coordination Plans, Contractor's QA/QC plans, and Construction Programme for MEP Services.
- Review commissioning data against design parameters implementing any mitigation of recovery plans
- Ensure that all plant/systems have been fully commissioned/inspected in line with the contract specifications
- Ensure that all appropriate commissioning handover documentation has been reviewed before handover
- Comment on O&M manuals produced by the contractor
- Review & Quantify the MEP items, BOQ, and specifications (Technical & Performance).
- Attend and lead commissioning meetings
- Make sure that commissioning defects are communicated properly and dealt with
- Ensure all parties are co-ordinated for attending witnessing
- Lead on-site functional testing
- Manage training

## Academic Details

- Bachelor of Electrical Engineering from UET Lahore, Pakistan - 1998



## Membership

- Certified professional engineer from Saudi Council of Engineers since 2015
- Certified professional engineer from Pakistan Engineering Council since 1998

## IT Skills

- Well-versed with MS Office (Word, Excel, PowerPoint), AutoCAD for review and Internet Applications

# Project Highlights

## Projects - Saudi Arabia

- Project:** Intertie between West Khobar & West Khobar 2, 115 kV UGC Portion  
**Location:** Khobar, Saudi Arabia
- Project:** Construction of a **data center of rating 15 MW** at a mega The project is named King Salaman Park City Riyadh Saudi Arabia.
- Project:** Construction of 380KV Underground Cables from King Salman Park #9083 To Almursalat # 9012 and from King Salman Park #9083 S/S TO Alrawabi # 9047 S/S.  
**Location:** Riyadh, Saudi Arabia
- Project:** Infra-structure works at Border Crossing Facility Torkham Pakistan comprising!
  - Construction of 4xSub-Stations and 1x stand-by powerhouse.
  - Underground MV/LV power cable works
  - Construction of 1x Data Centre and 4xvehicle scanning facilities.
  - Complete internal and external Electrification system**Location:** Torkham, Pakistan
- Project:** EPC # 6, Sea-Water Intake System- Part of Jizan Integrated Gasification Combined Cycle(Jigcc) Project  
**Location:** Jizan Economic City, Saudi Arabia  

An **ARAMCO EPC Project** of a seawater intake system including!

  - Construction of 132/13.8 kV sub-station
  - Substation Automation System (SAS) to connect to data center
  - Installation of 12 x 3000 kW centrifugal pumps (vertical type)
  - Electro-Chlorination plant.
  - 13.8 KV/480 kV Sub-Station
- Project:** An EPC Project of 2x40 MVA, 36.8/13.8 KV Sub-Station - Project No. 7924 Saudi Electricity Company.  
**Location:** Al-Buraida, Saudi Arabia



## PROJECTS - OMAN (from 2008 to 2015)

1. EPC Project of Extension of 11/33 kV, 2 x20 MVA Substation constructions along with demolishing of 33/11 kV Switchyard by creating new distribution system.

**Client:** Rural Area Electrical Company, Oman

**Location:** Khasab, Oman

2. EPC Project of 11/33 kV, 2 x20 MVA, Step up Substation construction along with 10 km power cable laying and 33 kV Switchyard

**Client:** Rural Area Electrical Company, Oman

**Location:** Mazyuna, Oman

3. Construction of 33 kV building, installation of 20 x GIS Switchgear panels along with all ancillary system.

**Client:** Mazoon Electricity Company, Oman

**Location:** Nizwa, Oman

4. Up-grading of Buraimi 20 S/S form 2x 6MVA to 2x10 MVA.

**Client:** Majan Electricity Company, Oman

**Location:** Buraimi, Oman

5. Up-grading of 33 kV S/S up to 2x 3MVA along with 12 km 11 kV O/H line 08 km Power Cable Laying.

**Client:** Majan Electricity Company, Oman

**Location:** Wadi Fida, Oman

6. A Turn-Key EPC Power Project (6 MW, Cummins) in one Island of Oman (Hallanyiat).

**Client:** Rural Area Electrical Company, Oman

**Location:** Hallanyiat Island, Oman

7. A Turn-Key power project of capacity 10 MW (Cummins and Mireles Black Stone at Mudhai in Dhofar region in Oman.

**Client:** Rural Area Electrical Company, Oman

**Location:** Mudhai, Oman

8. A Turn-Key power project (5 MW, Caterpillar).

**Client:** Oman Telecom Company, Oman

**Location:** Salalah, Oman



