Hassan

Islamabad, Pakistan

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**Summary of Qualifications**

Pakistan Engineering Council certified Electrical Engineer with over 6 years of experience in external electrification, designing and planning of electrical distribution system of Underground/Overhead of HT & LT systems of 11KV/415V/220V and 132KV grid station according to WAPDA & IESCO load assessment criteria. Experience executing high voltage, medium voltage, low voltage and extra low voltage systems’ installation, inspection, supervision, operation, testing, and commissioning of all work related to electrical systems on metro rail project. My expertise also includes cable containment, cable laying, lighting, small power, fire alarm system, FM200 fire suppression system, aspiration detection system, BACS system, lightning Protection System, earthing System, distribution boards, Sub-Main distribution boards, main distribution boards, motor control centers, HT & LT switch Gear and lighting fixtures according to BS, IEC, QCS, KAHRAMAA & NFPA70 standards and specifications.

**Education**

**Bachelor of Science in Electrical Engineering**

Graduated March 2013

COMSATS Institute of Information Technology, Abbottabad Pakistan

**Technical Proficiencies**

**Operating Systems**: Microsoft Office 2010, Windows 8/Windows 10

**Applications:** Auto Cad, Revit, Electricity Loss Reduction (ELR) Software,

Net-Numen Software, MATLAB.

**Professional Experience**

Site Engineer Electrical

Doha, Qatar **Aug 2018 – Present**

***Project:*** *Qatar Rail Metro Phase-1 Station Area Works (SAW) Landscaping Project*

* Daily Site Inspection of on-going work and make Progress Report
* Calculation of material for site activities
* Ensure that the works are being carried out in accordance with contract requirements, drawings, method statement and ITP's.
* Management of the site activities to ensure that the team carries out the works in time with the delivery schedule.
* Installation of UPVC ducting for light poles and bollard lights
* Power cable trench for feeder to pole and external lighting pole
* Inspection, operation, testing & commissioning of light poles, bollard lights, highway street lights, feeder pillar and submersible pumps

Site Engineer Electrical

Doha, Qatar **Oct 2016 – Aug 2018**

***Project:*** *Qatar Rail Metro Green Line Underground Project*

* Daily site inspection of on-going work and preparing progress report
* Material calculation for site activities
* Ensure that the work is being carried out in accordance with contract requirements, drawings, method statement and ITP's.
* Installation, inspection, supervision, operation, testing & commissioning of high voltage, low voltage and extra low voltage system, cable tray, cable containment, cable laying, lighting, small power, fire alarm system, FM200 fire suppression system, aspiration detection system, BACS system, lightning protection system, earthing system, distribution boards, Sub-Main distribution boards, main distribution boards, HT & LT Switch Gear, lighting fixtures according to BS, IEC, QCS, KAHRAMAA & NFPA70 specifications.
* Assist with the preparation of reports and front-end studies including capital cost estimates, project schedules, material take off’s and out to tender schedules.
* Prepare & keep up to date the delivery schedule to control deliveries.
* Seek to clarify queries with the Design team through the request for information (RFI) system.
* Prepare programs using MS project.
* Monitor progress against the program and issue progress reports.
* Produce look ahead programs to assist production.
* Prepare method statements and risk assessments (with construction team) for production activities.
* Prepare test packs for recording the completion of systems.
* Carry out quality control through inspections and snagging.
* Carry out document control, recording & transmitting information
* Liaise and co-ordinate with client’s other members of the design team and contractors on technical and commercial issues.
* Implementation of and adherence of the team to the QA/QC and HSE policies and procedure.
* Lead the construction team to work with all subcontractors to deliver the highest standard of product.
* Drives, delivery and owns construction for the assigned station, supports the SCM with defining scope/ construction interfaces and construction methods for all section works.
* Involved/ consulted in arranging permits and licenses are in place for the start of effective work at site.
* Work with Field Engineer to document all turnover activities and assists in obtaining client acceptance at work.

Site Electrical Engineer

Islamabad, Pakistan **Mar 2015– Sep 2016**

***Project: Parliament Lodges*** *Construction of 104 Family Suits*

* Daily Site Inspection of on-going work and make Progress Report
* Material Calculation for site activities
* Ensured work is being carried out in accordance with contract requirements, drawings, method statement and ITP's.
* Management of the site activities to ensure that the team carries out the works in time with the delivery schedule.
* Assessments and Calculations for buildings
* Prepared single line diagram and shop diagrams
* Checking bill of quantities and Interim Payment Certificate.
* Installation, inspection, supervision, operation, testing & commissioning of high voltage, low voltage and extra low voltage system, lightning protection system, earthing system, distribution boards, HT & LT switch gear and lighting fixtures
* Work execution according to drawings, technical specifications and contracts (FIDIC Conditions of Contract)

Electrical Engineer

Islamabad, Pakistan **Mar 2013 – Mar 2015**

* Load assessments and calculations for buildings according to WAPDA & IESCO load assessment criteria
* Voltage drop analysis and power loss analysis by ELR (Electricity Loss Reduction) Software (i.e. HT Feeder Analysis)
* Prepared single line diagram of 11KV HT line or feeder
* Prepared the onsite 11KV HT feeder layouts
* Prepared bill of quantities for cost estimation of material
* Prepared Layouts of sites for supply of permanent connection to the buildings
* Prepared HT and LT technical drawings
* HT & LT Cable Underground and Overhead designing of buildings and housing societies
* Designed of streetlight system

**Trainings/Certifications**

* Introduction to BIM Modeling and Applications (The Big5 Qatar DMG Events Qatar)
* Construction Commissioning Railway Management (CCRM) MMHKT
* Lock Out Tag Out (Testing and Certification) Austen Projects Solutions Qatar
* Construction Railway Operations (CRO-001) MMHKT
* Level 2 Award in Health and Safety in the Workplace (QCF) from Chartered Institute of Environmental Health (England)
* Level 2 Award in Fire Safety Principles (QCF) from Chartered Institute of Environmental Health (England)

**Languages**

Fluent in English, Urdu and Punjabi

**References**

References will be furnished upon request