

SAGEER V SAYED MOHAMMED

Senior Electrical Engineer

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PERSONAL INFORMATION

BORN
1980

NATIONALITY
Indian

LANGUAGES
English and Hindi

EDUCATION

2000-2004
B. Tech, Electrical and Electronics Engineering,
University of Calicut,
Calicut, India

SUMMARY OF CAPABILITIES

An accomplished Electrical and Electronics Engineer with over 16 years' experience in Building Electrical Design reviews, Project management and supervision of Building projects and Bulk Infrastructure Development Projects, Utility tunnels, Utilities of Major Roads including Street lighting and traffic lighting, Fan Rooms, UT and Free standing (network) Substations (11kV), Primary Substations (66kV), Sewerage Treatment Plant, Pump Stations, Potable Water, Irrigation, Sewer and Storm water line Project works across India, UAE, Qatar and KSA. Worked with several high-profile Consultants and Contractors for the submission of NOC applications including Power Master Plan, Electrical Building NOC and Getting Electricity NOC and actively involved in the project management and site engineering maintaining the site quality, lead in the implementation of policies, Installation, testing and commissioning of Distribution networks, QA/QC plans, procedures, construction quality control programs including preservation and verification that all Electrical and associated Civil/Survey work activities are in accordance with IFC drawings, Project Specifications, BOQ, approved Shop Drawings, approved ITPs, MSs, QCS and likewise technical documents referenced therein to ensure compliance with contractual requirements maintaining Health, Safety and Environmental standards.

PROFESSIONAL LICENSE

Licensed Consultant Electrical Engineer

Authority: **FEWA**

License Number: 1882

PROFESSIONAL EXPERIENCE

Since 2020

With **Elmek Solutions, Kerala, India**

Senior Consultant Engineer - Electrical

Projects:

Kerala, India

- Antartis Silver Hills Villa Project, Kozhikode
- Eram Esperanza, Mather Projects, Cochin
- IBS IT building, Infopark Cochin
- IMCH Hospital Project, Malappuram

Responsibilities and Duties:

- Project feasibility studies.
- Review of concept design drawings and to assist the detailed design.
- Detailed review and finalisation of tender documents like design drawings, technical project specifications and BOQ.
- Assist in tender evaluation and value engineering.
- Technical review of the Shop Drawing Submittals, Method Statements, Lux level calculations, and Material Submittals by the Contractor.
- Technical clarification based on the Contractor's Scope and Project Specification for the Site Electrical Issues/Site Clarification Requests.
- Construction supervision for implementation of the projects site works as per approved design/ project specifications.

2015-2020

With **Dar Al-Handasah Consultants (Shair and Partners), Dubai, UAE**

Senior Electrical Engineer**Projects:****Dubai**

- Dubai Chamber of Commerce and Industry-Extension Building
- Dubai Harbour Masters Building
- Dubai Global Connect-Kick off Building
- Mixed Use Complex – Dragon City development
- Dubai Waterfront-Madinat Al Arab, Dubai
- Downtown Jebel Ali – Construction of Zones 1 – 4 Infrastructure remaining works
- International City- Construction of access roads, Dubai
- JVC-Traffic Signal Installation and Modification to existing roads, Dubai
- Al Zorah Resort Infrastructure Package #2 and Package#4, Ajman
- Al Furjan - Infrastructure Works to EPR, Dubai

Responsibilities and Duties:

- Preparation of Power Master Plan/Design NOC submissions to authorities (DEWA/RTA) and post submission coordination/follow up to obtain the approval.
- Preparation and submission of Getting Electricity (GE) application to DEWA.
- Technical review of the Shop Drawing Submittals, Method Statements, Lux level calculations, and Material Submittals by the Contractor.
- Technical clarification based on the Contractor's Scope and Project Specification for the Site Electrical Issues/Site Clarification Requests.
- Review of the Electrical calculations submitted by the contractor for the selection and sizing of Panel, Breaker, Cable, Luminaire and Earthing Conductors.
- Supervising the planning, coordination and implementation of the Building/infrastructure construction projects site works.
- Surveillance inspection and issue of Site instructions for work compliance to project specifications.
- Coordinating with Authorities like RTA/DEWA for site inspections and approvals.
- Check personnel, equipment and material costs for all Variation Orders and Change Orders required under the terms of the Contract.
- Preparation of the technical reports for the site electrical work progress.
- Inspection for electrical material samples and mock up works.
- Witnessing the FAT, SAT and Final T&C.

2011-2015

With **Sinohydro Group Ltd, Doha, Qatar**

Quality Control Engineer**Projects:**

- Worked on Lusail Development Project Construction Package 1.
Client: Lusail Real Estate Development Company.
Consultant: Halcrow, a CH2M HILL Co.
Lusail Development is 38 km² real estate development located in North of Doha; which is divided into construction packages and Construction Package 1 (CP1) involves construction of Utility Tunnels, 66kV/11kV substations, sewage works, storm water and electrical networks, civil and structural works, roads, water and irrigation networks and telecommunication systems.

Responsibilities and Duties:

- Quality Inspection of the works including the installations of 66kV/11kV substation MV panels, DBs, Road crossing ducts, HV/MV/LV cables, Lighting poles, Traffic Lights and Feeder Pillars with the coordination of the consultant to

- ensure compliance with the approved and proper standards
- Reporting to the Quality Control Manager.
- Surveying of Cable route areas/Light poles, Excavation of trenches, Road crossing ducts, Laying of Cables and FDT for backfilling of trenches incorporating with approved Method Statements and proper Coordination with Roads/Landscaping divisions.
- Expedition of approval of the RFIs with the pace of works adhering to the standard procedures/construction specifications.
- Liaising with the Clients, Consultants and Subcontractors to flag and rectify any issues related to quality of the works
- Implementation of the approved methods/Method Statement with minimum frontline supervision to suit the site conditions such as existing or future systems for electricity, water, telephone, foul sewers, treated sewerage effluent network.
- Preparation of the ITPs incorporating with the approved Method statements
- Maintain a daily report/log of all surveillance, inspection and intervention activities undertaken.
- Ensure that all documentation, plans, reports, records and certification requirements related to discipline inspection requirements are collected, reviewed/approved, updated, distributed and filed in an appropriate manner.
- Supervision of the Installation of the Earth cables (bare copper), Earth Rods and Earth Pits.
- Inspection for Testing and Commissioning of the Distribution Panels (DB), Feeder Panels, Lighting system (lux test), Fire System, Power and Communication Cables etc.
- Material Inspection on delivery at site to verify the approvals, make, quantity, packing, storage and expiry if any.
- Simulating the work conditions with the approved shop drawings, Method Statements and designs.
- Surveillance Inspections and reporting of any major violations/Clashes with the existing systems and quality issues in the ongoing works.
- A strong commitment to and demonstrated ability in promoting high HSSE values and developing the same commitment in contractor and sub-contractor teams in a construction environment.
- Study and review the issued for construction drawings, shop drawings, plans, details and specifications to ensure that all works implemented and carried at site conforms to approved project quality program, specifications, procedures and requirements.
- Identifying non-conformities of works and proposed corrective actions ensuring that is being done properly and correctly during re-construction.
- Documentation and Implementation of the corrective actions to be done for works to comply with applicable standards.

2009-2010

With **Saudi Environmental Projects Company Ltd, Riyadh, Saudi Arabia**

Electrical Engineer

Projects:

- On the OEM Project for Maintenance of STP and 5 Pump Stations, Onaizah.
Client: Ministry of Water and Electricity

Responsibilities and Duties:

- Electrical and Mechanical maintenance of Generators, Pumps, Pneumatic control valves, Street light fixtures, MCCs, Panel boards and the like.
- Selecting and ordering the purchase of the electrical materials for the extension works, maintenance (routine/breakdown) works of the existing project.
- Supervision of Electromechanical Maintenance (Periodical, routine or breakdown) according to applicable standards.
- Checking and calibrating tools and instruments to make sure they are accurate and maintaining the records of the status and due date of calibration.
- Prompt response to equipment breakdown or faults and organising teams to avoid the eventual shutdown.
- Reporting to Project manager of the daily schedule and progress.

- Management of Electrical load of Pump Stations and maintenance of PLC drives for pumps.
- Ensure of correct maintenance procedure and plans for execution of the jobs/activities at site.
- Technical documentation and presentation of problems before the ministry and derivation of approved solutions.
- Recording of the issues in the site and managing the technical team and labour force.
- Attend the meetings with Ministry officials and project managers.
- Carrying out scheduled quality inspections.
- Computer aided maintenance scheduling and work estimation.

Projects:

- WWTP Projects across Saudi Arabia.
Client: Ministry of Water and Electricity.
Various ministry level projects (Ministry of water and Electricity) involving waste water treatment, brackish water desalination, environment labs, implementation and maintenance of water sanitation, international quality products dealership

Responsibilities and Duties:

- Material selection for the projects and the preparation of priority list.
- Documentation of purchase and Cost estimation of Electrical equipment by the selection of suitable Manufactures and Dealers through negotiation.
- Calculating the electrical load of the system in the projects and cables selection.
- Conversant with preparation of bills for contractor and monthly claiming bill for client.
- Monitoring the progress of projects as per scheduled program.
- Supervision of work execution as per drawing and technical specification.
- Material and workmanship, quality and quality assurance methods in the projects.
- Conversant with Electromechanical Maintenance according to applicable standards.
- Address quality non-compliance with technical evidence and records.
- Panel board design for the projects including ATS, MCCs, APFCs and the like.
- Well coordination with the ministry authorities.
- Setting out proper safety procedures for every activity at the site with the adequate coordination of EHS team.
- Maintaining the records and progress reports of all works/issues and reports to AGM.
- Conduct monthly meeting and monthly progress archiving the work task

2008-2009

With **Kerala State Electricity Board (KSEB), India**

Assistant Electrical Engineer

Projects:

- Worked at a 66kV Substation

Responsibilities and Duties:

- All the operations including switch-off and charging of the incomers and outgoing feeders; as Senior Station Operator.
- Testing and Commissioning of Substation equipment.
- Maintenance, troubleshooting and resetting of protection circuits of the station devices.
- Preparation Monthly operating review for the substation with computer documentation.
- Rectification of faults for the Control Systems of the feeders and transformers.
- Preparation of daily log sheets of the Substation.
- Periodical/Routine maintenance of station transformer and Street Light system in the Substation premises.
- Proper communication of the substation status with the LDC.

- Implementation and Monitoring of the scheduled Load shedding.
- Issuing Permit to Work to the Distribution section on 11kV feeders.
- Supervision of all the rack in/rack out process for the outgoing 11kV feeders VCBs.
- Reporting of the all the daily activities to the Station Engineer.
- Regular check of the all the station Earth Pits.

2006-2008

With **Prime Electrical Contractors and Engineers, India**

Site Electrical Engineer

Projects:

- Highways and bridges, hotels, crushers, factories, auditoriums, hospitals, apartments and multi-storey buildings

Responsibilities and Duties:

- Design and Load estimation for new and existing HT/LT projects.
- Electrical Scheme preparation and Cost estimation of HT/LT Projects.
- Designing of earthing systems for HT/LT Projects.
- Erection, testing and commissioning of 11KV transformers up to 1000KVA.
- Street light poles and Pillars Installation for the Roads and Bridges under Govt. Contract.
- Installation and maintenance works of DGs (up to 630KVA), HT and MV Panels, MCCs, APFC Panels and the like.
- Selection, Testing and Commissioning of HT and LT UG Cables including the Indoor and Outdoor end works.
- Electrical Installation of Fire Pumps, Fire Protection systems, Lightening Arrestors and the like for High rise buildings.
- Electrical Installation of Lift motors and Lift control systems for High rise buildings.
- Preparation of necessary equipment's, plants tools to be mobilize and utilized at site.
- Estimate quantity of all material required at site from time to time for requisition.
- Check and inspect the works of the workers if they are complying with the requirement of the drawings and specification.
- Attend meetings with Client, consultants and sub-contractors.
- Review contracts and specifications of the project including review and comparison of tender drawings against the issued construction drawings.
- Coordinate with the prospective sub-contractors, suppliers and manufacturers for quotations, detailed procedure of works and type of materials to be utilized as per given project specifications.
- Prepare and submit weekly and monthly report.

2004-2005

With **GEN Power Systems, India**

Sales Engineer

Responsibilities and Duties:

- Analysing and determining customer requirements (purpose of installation) and recommending a suitable product with adequate details.
- Evaluating site for ideal installation location and initiating installation preparatory works.
- Planning, supervision and quality control of installation works according to the approved drawing.
- Procurement for execution of installation work.
- Erection, Testing and Commissioning of the DGs.
- Assisting in completing all regulatory procedures.
- Training on-site personal for post-sale maintenance.
- Providing all support logistics for maintenance and spares.