



SHAIK MOHAMMAD TAYYAB

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Electrical Engineer with 5+years of experience in HV Substations & M.Tech qualification.

CAREER OBJECTIVE:

To obtain a challenging position in an esteemed and fast growing organization which provides an opportunity to enhance my technical, analytic and logical skills. I am an enthusiastic individual who believes in being optimistic, practicing strong interpersonal skills and positive work ethics & looking for a career which gives me satisfaction, opportunity to grow and to contribute to the organization.

EXPERIENCE:

1. Al - Gihaz Holding Co. Ltd.

Designation : Electrical Site Engineer
Duration : March 2017 to Till Date
Location : Jeddah, Saudi Arabia
Client : Saudi Electricity Company (SEC).

2. Sai Dinesh Electricals & Contractors

Designation : Electrical Site Engineer
Duration : April 2016 to Feb 2017
Location : Andhra Pradesh, India
Client : Power Grid Corporation of India

3. Anil Power Systems & Controls

Designation : Electrical Engineer
Duration : May 2014 to Mar 2016
Location : Andhra Pradesh, India
Client : Power Grid Corporation of India

PROJECTS UNDERTAKEN:

- Construction of Al-Thagher-2 110/13.8KV GIS S/S, Jeddah.(From Sept-2017, **Starting of the project to till date**)
- Construction of Rawdah-2 110/13.8KV S/S in Jeddah (From **Mid Project till Energization**).
- Construction of Heraa - 110/13.8KV GIS substation in Jeddah (From March to Aug-2017).
- Construction of 132/33KV Outdoor substations & modernization of existing sub-stations in India.
- Construction of 33/11KV Outdoor & Indoor substations and renovation & modernization of existing substations in India.

RESPONSIBILITIES AS SITE ENGINEER:

- To supervise all the activities at substation projects as per the client's requirement in concern to its fruitful progress complying with the prescribed time frame and excellent work quality under the safety measures.
- Direct and coordinate construction, installation, maintenance, support, documentation complying with the client's requirements.
- Supervision of work as per approved drawings & standards.
- Following & Implementing engineering ethics at job work site.
- Attend client meetings and record points for closure.
- Track supplier's shipments and follow missing with project team.
- Handle safety, housekeeping and quality issues at site.
- Testing activities to ensure compliance with specifications, codes, and customer requirement.
- Inspect completed installations and observe operations, to ensure conformance to design and equipment specifications and compliance with operational and safety standards.
- Prepare and study technical drawings, specifications of electrical systems, and topographical maps to ensure that installation and operations conform to standards and customer requirements.
- Estimating labor, materials for the construction of project.
- Manpower planning with perfect estimation of time frame considering the activities and clients requirement.
- Preparing the work schedule & following the schedule within the allotted time period.
- Implementing the 5-Star Safety methods in work at job site so as to prevent any damages or injuries.
- Supervising and inspection of all electrical equipment's installation and reporting direct to site manager, monitor project quality and progress compliance with contractor.
- Co-ordination with civil, mechanical departments for Civil, HVAC & Fire Fighting works which are related with electrical installation works prior to installation.
- Following up with sub-contractors for the start & end of activities at site ensuring as per contract.
- Ensuring the work permit is opened before starting any activity at site which will be approved by Permit Issuer, Site Manager, Safety Engineer and Quality Engineer & Consultants.
- Giving Tool Box Talks (TBT) to all manpower before starting any job work as per safety requirements.
- Coordinating with QA/QC Engineer for all Non- Conformance Reports (NCR) & for its compliance.
- Preparing RMI, RFI & Invoice progress plan.
- Assisting the project team for accomplishing the project milestones.
- Coordinating with site manager for any equipment's & vehicle's required for equipment's installations on rental basis & making sure all are TUV certified as per safety standards.
- Ensuring the work is being carried out as per Job Safe Procedure (JSP) & Preparing Risk Assessment (RA), Method of statement (MOS) accordingly.
- Preparing of MOM (Minutes of Meeting), daily report, weekly report, 3 week schedule.

FIELD WORK:

- Erection of 110KV GIS HYOSUNG (HICO) and its accessories, vacuuming & SF6 gas filling of GIS.
- Erection of power transformers up to 50/67 MVA (SIEMENS) & NER(Neutral Earth Resistor).
- Erection of 33KV, 13.8KV switch gears (ALFANAR) & its accessories.
- Installation of Local Control Cubicle (LCC) panels & Synchronizing panels.
- Installation of Control & Protection panels as per approved layout.
- Installation of Telecom panels as per approved layout.
- Installation of ACDB & DCDB panels as per approved layout.
- Installation of Telecom shelter & OFMR panels as per approved layout.
- Installation of Substation Automation System (SAS) panels, FOPP panels.

- Installation of cable ladders & trays as per approved drawings.
- Erection of battery bank, battery charger & converter panels.
- Installation of capacitor banks (7 MVAR) with its steel structure supports.
- Installation of lighting cum lightning masts.
- Erection of Auxiliary Transformers (500KVA, 700KVA).
- Installation of Cable Sealing End (CSE) structures for HV cable termination.
- Installation of Link boxes (With SVL & Without SVL) for HV Cable earthing.
- Supervision of cable (HV, MV, LV, Control) laying, glanding, dressing & termination.
- Special care for HV & MV cable terminations by confirming the approvals of materials & terminators are certified by third party.
- Supervision of Fiber Optic cable laying & splicing.
- Substation grounding, earth pits installation, equipment grounding as per approved drawings.
- Supervision of small power lighting (Indoor & Outdoor) as per approved drawings.
- Modifications in drawings as per site condition & getting its approval from client.
- Making Red Markup drawings (for all modifications) & sending to project, design teams for updating the drawings.
- Supervising testing & commissioning activities.
- Complete installation & interfacing works at remote end substations both 110KV & 380KV.
- Clearing of all punch list points & working for closing of projects.
- Organizing with all related departments for the energization of the substation.

DESIGN PROJECTS:

- Design of G+10 floors building with all electrical design & calculation's from Dhanush Engineering, Services India Pvt. Ltd. – Hyderabad, India.
- Design of C+G+5 floors building with all electrical design & calculation's from Dhanush Engineering, Services India Pvt. Ltd. – Hyderabad, India.
- Project designing includes SLD preparation, Transformer sizing, Capacitor bank sizing, D.G Set, Motor's sizing, Battery banks sizing, UPS sizing, Cable sizing, Lift load calculation's, Lighting calculation's, Voltage drop calculation's, Short circuit current calculation's, Circuit Breaker sizing & Tripping calculation's, Busbar sizing, CT & VT calculation's, Earthing calculation's, Cable ladder & tray sizing, Load & losses calculation's, Load balancing sheet for lighting & power circuits, Lightning protection, B.O.Q preparation.

RESPONSIBILITIES AS DESIGN ENGINEER:

- Conduct survey and report on existing electrical installations and identify customer requirements.
- Provide electrical design details for new and refurbishment projects.
- Communicate with contacts at all levels, and attend on-site meetings
- Ability to manage multiple projects at the same time.
- Set clear goals and expectations to sub-contractors and site teams.
- Conduct post project reviews to determine areas for future improvement.
- Able to carry out electrical engineering aspects such as sizing motors, cables and other electrical engineering calculations.
- Carry out “random checks” of subcontractors design and testing certification.
- Interpreting design specifications and technical drawings.
- Collect data relating to commercial and residential development, population & power system interconnection to determine operating efficiency of electrical systems.
- Designing of Control Networks.

CERTIFICATION & TRAINING:

- Certified **Electrical Engineer** by Saudi Council of Engineers (**SCE**). Membership No #321378.
- **C2 Authorized Engineer** by Saudi Electricity Company (**SEC - WRCC**).
- Trained in **Risk Assessment** by Saudi Electricity Company (**SEC**) – Jeddah.
- Trained as **Permit Issuer & Permit Receiver** by Saudi Electricity Company (**SEC**) – Jeddah.
- Attended Seminar & trained in Project Management Professional (**PMP**) in Jeddah - KSA.
- Certified as **Permit Issuer** from ASTC (Arabian Safety Training Centre) - Jeddah.
- Trained in **Emergency First Aid** by I.S.Q.S (International Safety & Quality Services) - Jeddah.
- **ELECTRICAL DESIGN & DRAFTING** from Dhanush Engineering, Services India Pvt. Ltd.
- **AUTOCAD** from Dhanush Engineering, Services India Pvt. Ltd.
- Trained in **FIRE & SAFETY** conducted by KINGS INSTITUTE OF FIRE & SAFETY ENGINEERS.

EDUCATIONAL QUALIFICATION:

- **M. Tech** - Master of Technology in **Power Systems Engineering** from Acharya Nagarjuna University securing CGPA of **8.8 / 10** in the year 2016 with **High Voltage Distribution System for Agricultural Feeders as Main Project**.
- **B. Tech** – Bachelor of Technology in **Electrical & Electronics Engineering** from Acharya Nagarjuna University College of Engineering and Technology (Acharya Nagarjuna University), securing an aggregate of **80%** in the year 2014 with **Load Frequency Control of Two Area Interconnected Power System using Hybrid Neuro Fuzzy Controller as Main Project & Location of Faults in Underground cables as Mini Project**.
- **Intermediate** from NRI Vidya Junior College securing an aggregate of **95%** in the year 2010.
- **S.S.C** from Oxford securing an aggregate of **92%** in the year 2008.

TECHNICAL SKILLS:

- **Programming Skills** : MATLAB, AUTOCAD, MS Office, C Language, C++
- **Operating System** : Windows XP, Vista, Windows - 7,8,10.
- **Electrical Designing & Drafting**

AREA OF INTEREST:

- Substation Automation Systems, Oil & Gas Industries.
- Eco-friendly, Renewable energy sources & Smart grids.
- Advancements & recent technologies, research in power systems.
- Project Management, Quality Management.

STRENGTHS:

- Critical, Innovative thinking & Interpersonal, Organizational, Complex problem solving skills.
- Good grasping, analytical, presentation, verbal, communication & motivating skills.
- Strong work ethics, positive attitude & showing commitment.
- Self-determinant, corporate culture, good team leader, team player & smart worker.
- Ability to learn new concepts & technologies quickly.
- Ability to adapt new environment
- Accepting feedbacks & applying lessons learnt.

CO CURRICULAR ACTIVITIES:

- Conducted seminar on **Energy Management System's (EMS)** in RVR & JC College of Engineering.
- Conducted seminar on **Renewable Energy Studies (Solar Energy)** in Acharya Nagarjuna University.
- Attended seminar on **Deregulated Power Systems** at V.R Sidhartha Engineering College.
- Attended **Entrepreneurship Awareness Camp** held at ANU College of Engineering & Technology.
- Organized Events in ANUSODHANA 2k13, A national level technical symposium conducted by ANU College of Engineering and Technology.
- Participated in various extracurricular activities like Essay Writing, Elocution and Debates held at School and college.

ACHIEVEMENTS:

- Published paper entitled High Voltage Distribution System for Agricultural feeders in International Journal – Imperial Journal of Interdisciplinary Research - Ref: - Vol-2 Issue-9, 2016.
- Strived in achieving **4-Star safety award from Saudi Electricity Company (SEC)** in 5-Star HSE (Health , Safety & Environment) main audit for Al Thagher-2 Substation.
- Topped 1st in academics at School & College level.
- Won 1st prize in Quiz, Sports held at University level.
- **Best organizer award** for Anusodhana-National level Technical Symposium & events in University.
- Won 1st prize in science, mathematics exhibition competition held at School and College levels.

PERSONAL DETAILS:

Father's Name	:	Mr. Shaik Basheer Ahmed
Date of Birth	:	15-07-1992
Marital status	:	Married
Nationality	:	Indian
Languages Known	:	English, Hindi, Urdu, Telugu
Address	:	D.No:17-10-40/A, 7th Line,Anandapet,Guntur-522003.
Driving License	:	Saudi Arabia, India.

PASSPORT DETAILS:

- Passport No. : K8578374
- Date of Issue : 23-11-2012
- Date of Expiry : 22-11-2022

REFERENCES:

- References will be submitted upon request.

DECLARATION:

I hereby declare that all the information given above is true to the best of my knowledge.

Place:

Date:

Shaik Mohammad Tayyab