

HASSAN SARDAR

Electrical Engineer | SCE® | PEC®

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Riyadh Saudi Arabia | Visa Status: Transferable Iqama | PEC Registration: ELECT/29593



PROFESSIONAL SUMMARY

Electrical Engineer with over 13 years of experience in electrical construction and consultancy across Saudi Arabia, UAE and Pakistan in execution, planning, supervising, installation, testing and commissioning of electrical systems. Experience in power generation plants, transmission lines, distribution networks and infrastructure management. Proficient in leading teams, ensuring compliance qa /qc with safety standards and delivering projects on time.

PROFESSIONAL EXPERIENCE

1. Saudi Architects Engineering Consulting Company, Saudi Arabia September 2025 – up to date

Projects:

- i. Riyadh Exhibition Convention Center (RECC) Melham Riyadh
- ii. Diriyah Season 2025-2026 Diriyah Gate Development Authority

Designation: Electrical Engineer

Responsibilities:

- Reviewed shop drawings, technical submittals, and material approvals for MV/LV equipment, grounding, and lightning protection systems, ensuring compliance with approved ifc drawings and specifications
- Reviewed 33 kv MV/LV electrical distribution systems, including sec rmus, unit substations (1000–1500 kva), transformers, MV/LV switchboards and feeders.
- Reviewed and approved earthing and lightning protection system designs as per project and sec requirements.
- Coordinated with sela, Saudi civil defense and project stakeholders for design approvals, technical clarifications, inspections and compliance with authority requirements.
- Ensured proper coordination between power and low-current systems (cctv, data, fire alarm) to avoid electromagnetic interference and maintain system safety and reliability.

2. AGES Consultants, PAKISTAN | April 2016 – Jun 2025

Projects:

- i. 10.2 MW JHPP (Jabori Hydropower project) and 17-MW Ranolia Hydro Power Plant.
- ii. 132 Kv Transmission Line 14.5 KM Long and 25-KM long.
- iii. 132 Kv Switchyard for Jabori Power Plant and Ranolia Power Plant.

Designation: Electrical Engineer

Responsibilities:

- Supervising Erection, Testing, Commissioning & Operation of Substations and Transmission Lines
- Managing and supervising all types of electrical installation Substation work and Installation experience of 132KV Transmission Lines.
Providing regular feedback on the electrical installation concerns and issues to stakeholders and senior managers.
- Installation and Commissioning experience of 11KV Switch gears and Power transformer (15MVA) and ensuring that all HES processes and procedures are followed on-site.
- Supervising Electrical Team and coordinating the daily activities of the Electrical Department.
- Supervising Installation experience in 220V-DC, Limit switches, and Pressure Transmitter, Level Transmitter, Level Sensor, Power Meter, CT, Solenoid, and control valves.
- Reviewed and corrected Electrical Design SHOP DRAWINGS, TECHNICAL SUBMITTALS AND MATERIAL APPROVALS as Required and Implementation at the site.
- Checking inspections and monitoring of site activities as per drawing and specification.
- Preparation of estimates and certification of electric equipment bills.
- Installation of 11 KV HT/LT lines and transformers in the employer facilities (Residential Colony) of the project.
- Preparation of daily, weekly and monthly Reports and coordination with senior management and Head office.

3. Al-Butain Oasis Electromechanical & Transport, Abu Dhabi, UAE | April 2014 – Jun 2016

Designation: Electrical Engineer

Responsibilities:

- Oversaw electrical works for commercial building construction projects. Prepared resource estimates, planned execution strategies, and coordinated with mechanical/civil teams.
- Ensured compliance with drawings, contracts, and international standards.
- Implemented workplace safety protocols for all electrical personnel on-site.

- Coordinates with Client / Consultant's representatives for any site instructions and inspection of works.
- Assign targets for accomplishments and ensure targets are met on daily basis for all electrical groups at site.
- Submits site daily reports, inspection requests, estimates and all applicable monitoring reports on regular basis or as required

4. Wateen Telecom, Islamabad, Pakistan

| Sep 2011 – Aug 2012

Designation: Junior Engineer

Responsibilities:

- Oversaw electrical works for Testing of Optical Fiber Cable through OTDR.
- Link loss test by using Optical power meter and light source.
- Rectification of cable cut for Restoration of link.
- Conduct survey for Deployment of new Optical Fiber Cable.
- Removal of pressure points on Optical Fiber Cable.
- Supervision of OSP Work for Deployment of new OFC.
- Presentation and Report submission of ongoing activities.
- Remove and controlling OFC losses and pressure point, Testing & splicing of OFC, Jointing OFC.

5. PESCO WAPDA, Timergara, Pakistan

| Jul 2010 – Jun 2011

Designation: Junior Engineer

Responsibilities:

- Installed and commissioned HT/LT distribution systems and transformers.
- Performed earthing system testing, capacitor bank installations, and power factor correction.
- Conducted preventive maintenance on high and low-tension lines.
- Cost Estimates, prepares and assigns the resources required for all electrical works.
- Controlling maintenance tools, stores and equipment.
- Dealing with emergencies, unplanned problems and repairs Ensures that all site works are done according to all applicable quality standards.

EDUCATION

- ✓ **M.Phil. Electrical Engineering (Power and Control System** | 2021-2024| CECOS University Information Technology & Emerging Science Hayat Abad Peshawar Pakistan.
- ✓ **B.Sc. Electrical Engineering** | 2005-2010| CECOS University Information Technology & Emerging Science Hayat Abad Peshawar Pakistan.

Research:

- ✓ Optimizing Earthing System Design For 132 KV Jabori Substation Using ETAP-19 Software.
- ✓ BS Final Year Project: Computer Control Solar Vehicle.

Other Trainings:

- ✓ Cisco Certified Network Associate (CCNA) From Government Advanced Technical Training Centre Peshawar (December 2011).
- ✓ Human Machine Interface (HMI) and Programmable Logic Controller (PLC) from Automatics Industrial Trainings Group, Automatics, Peshawar Pakistan.
- ✓ Three months training of electrical & Electrician from Timergara collage of technology lower Dir in 2002-03.

Languages:

|English | Urdu, | Pashto

Computer Skills:

AutoCAD. SCADA Operational,
Microsoft Office (Word, Microsoft Office Excel, Microsoft Office Power Point)
ETAP 19 software.
Computer Hardware and Software Installation