



Engr. Muhammad Haris

Electrical Project Engineer



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Riyadh, Saudi Arabia



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Profile

- Electrical Engineer with 7+ years of experience in Renewable Energy and MV substation projects, including On-Grid, Off-Grid, and Hybrid solar systems. Strong background in site engineering, QA/QC, installation, and commissioning in compliance with IEC/IEEE standards. Proven ability to manage resources, mitigate risks, and deliver projects safely, on time, and within budget. Seeking a challenging role to apply advanced electrical engineering expertise and contribute to organizational growth in the energy and power sector.

CORE STRENGTHS & PROFESSIONAL SKILLS

- Electrical Engineering
- Project Management
- QA/QC
- Ability to Work Under Pressure
- Quality Control
- Technical Support
- Solar PV Engineer
- Team Leadership
- Low and High Voltage
- Electrical Power (Switchgear, Circuit breaker, transformer, CTs, PTs, RMU, Protection relays)
- Solar Photo Voltaic PV Power Generation System
- Microsoft Office
- PV Syst
- QC inspections
- Daily Progress Reports
- Site Requirements Assessment

HANDLED TESTING EQUIPMENTS

- Insulation Resistance Test (Megger)
- Digital Multimeter
- IV Curve Tracer
- Clamp Meter
- Megger
- Earth Tester

PROFESSIONAL EXPERIENCE

- Organization:** Complete Energy Solutions
Plant: Masdar Energy 8.23MWP SeaWorld, Yas Island Abu Dhabi
Designation: Electrical Site Engineer, January 2023 — December 2025

Responsibilities/Accomplishments:

- Maintenance and troubleshooting of MCC panels.
- Lead and manage teams of Supervisors (Electrical Power, Solar PV, ELV), Foremen, and subcontractors to ensure timely execution of project tasks in compliance with technical and commercial requirements.
- Responsible for AADC / ADDC & other authority approvals / inspections.
- Assisting and supervising site supervisor/foremen for any difficulties as per site conditions.
- Oversee installation and commissioning of Solar PV systems, LV switchgears, and cable routing.
- Implement QA/QC procedures, conduct inspections, and maintain compliance with project specifications and international standards.
- Managing and preparation of projects, handing over documents i.e., as built O & M Manuals, De-snagging inspections, warranty certificates and spare parts.
- Testing and commissioning of solar PV, electrical power, fire alarm, & +ELV system i.e., RCD test, earth fault loop impedance test, fluke test, Insulation resistant test (ISO), open circuit voltage, short circuit current, irradiance, ambient and module temperature measurement etc.

- 2) **Organization: Green Renewable Energy, KPK, Pakistan**
Designation: Project Engineer Electrical", March 2020 — Dec 2022

Responsibilities/Accomplishments:

Involved in the Supervision of following jobs during the project:

- Completed construction tasks while providing safe working conditions, staying on budget and meeting project deadlines.
- Identified technical risks within managed projects.
- Supervised construction and pre-commissioning of electrical rooms and substations.
- Estimated project costs and resource allocation to forecast budget requirements and monitor adherence.
- Provided on-site engineering and technical services during installation and fielding processes.
- Proposed electrical product and system modifications to improve quality and efficiency.
- Evaluated electrical installations and systems to isolate faults and implement corrective actions.
- Inspected and performed validation testing for designed systems and third-party installations.

- 3) **Organization: NTDC 132 KV Peshawar**
Designation: Electrical Site Engineer", Feb 2018 — Feb 2020

Responsibilities/Accomplishments:

- Supervision and commissioning 132KV substation and power station.
- Main Bus bars various connections to stations transformers.
- Arrangement of Bus Bars Trolleys.
- Replacement of CTs, PTs, Switchgear, Batteries.
- Attend all sorts of break downs in the grid.
- Carry out short term and long terms plans related to commissioning, maintenance and operation.
- Substation, power station testing and commissioning activities.
- Maintenance of Oil used in transformers.
- Designing of Star & Delta connection.
- Overhauling of H.V breakers.
- Main Bus bars various connections to stations transformers.
- Arrangement of Bus bars trolleys.
- Replacement of CTs, PTs, Switchgear, Station Batteries.
- Attend all sorts of break downs in the grid station.

PROFESSIONAL QUALIFICATIONE

- Bachelor of Science: Electrical Power Engineering, UNIVERSITY of ENGINEERING AND TECHNOLOGY PESHAWAR, Pakistan Dec 2017

PROFESSIONAL AFFILIATION

- Member of **Pakistan Engineering Council (PEC)**– Registration Number ELECT/68300

References

Engr. Nasir Khan from Operational Project Manager on Seaworld Complete Energy Solutions
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