

# MOHAMMED ASHWAQ

**Electrical Engineer | Electrical Site Engineer | MEP Engineer**

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➤ Transferable Iqama: Yes



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## PROFESSIONAL SUMMARY

Results-driven **Electrical Engineer with 3+ years of experience** in electrical systems, ELV, fire alarm, CCTV, data systems, and MEP execution across **NEOM, Royal Commission, infrastructure, and residential projects in Saudi Arabia and India**. Strong expertise in **site supervision, electrical installation, QA/QC inspections, testing & commissioning, material coordination, subcontractor management, consultant coordination, and project handover**. Experienced in ensuring compliance with **IFC drawings, IEC/NFPA standards, project specifications, and client requirements**. Proven ability to manage electrical work from installation to testing, snag rectification, and final closeout within schedule.

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## KSA PROJECT STRENGTHS

- Strong exposure to NEOM, Ministry of Defense, Royal Commission, marine, and infrastructure projects
  - Proven experience in electrical site execution, MEP coordination, ELV systems, and power distribution works
  - Experienced in coordinating with **main contractors, consultants, subcontractors, and client teams across KSA projects**
  - Strong capability in handling **site progress, manpower coordination, material readiness, testing support, and snag closeout**
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## CORE COMPETENCIES

- Electrical Site Execution
  - Electrical QA/QC Inspection
  - Testing & Commissioning
  - Material Inspection Requests (MIR)
  - Work Inspection Requests (WIR)
  - IFC Drawing & Shop Drawing Compliance
  - NCR / SOR / Snag Closure
  - Revit MEP & AutoCAD
  - Site Supervision & Coordination
  - IR / Continuity / Lux Testing
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## PROFESSIONAL EXPERIENCE

### Electrical Engineer – Expertise Contracting Co., KSA

Nov 2024 – Present

#### Projects: -

- Sharaan Resort Site Office & Staff Accommodation – RCL (Rezayat)
- NEOM Construction Villages – NRC26 (Client: Alfanar / HG)
- Design-Build of Enabling Works M1 Project – Ministry of Defense (Consultant: HESCO)
- Site Management Office Building – NMDC Energy (Consultant: Al-Jazirah Engineers)
- RC Land – Expertise
- Site Preparation & Marine Infrastructure (SPMI) – MBL / Ministry of Defense - Office Building

#### Responsibilities: -

- Coordinate site activities for cable trays, conduits, DBs, panels, lighting, wiring, structured cabling, and containment systems.
- Ensure all works are executed as per approved IFC/shop drawings, specifications, and IEC/NFPA standards.
- Coordinate with consultants, subcontractors, and site teams for inspections, testing, approvals, and handover activities.
- Support testing & commissioning, including IR, continuity, megger, lux test, loop checks, and functional testing.
- Resolve site issues, monitor material readiness, and ensure smooth progress as per project milestones.

### Electrical Engineer – Northeast Infra Developers, India

Jan 2023 – Oct 2024

#### Project: - Residential Villas

#### Responsibilities: -

- Conducted regular site inspections and supervised installation of electrical panels, cable trays, conduits, lighting, wiring, and power distribution systems as per approved drawings and project specifications.
  - Coordinated with site manpower, subcontractors, and vendors to ensure smooth execution, material readiness, and timely progress of electrical works.
  - Supported testing, snag rectification, client inspections, and handover activities, ensuring project completion within planned schedule.
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## EDUCATION

- **Bachelor of Electrical & Electronics Engineering** | Osmania University
  - **Diploma in Electrical & Electronics Engineering** | State Board of Technical Education
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## TECHNICAL SKILLS

**Engineering:** Electrical Design, Estimation, Solar PV, Protection Systems, Automation, Electrical Machines, PLC, Power Electronics

**Software:** AutoCAD, Revit MEP, MS Excel, MS Word

**Systems:** Electrical, ELV & MEP

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## TECHNICAL COURSES & TRAINING

SMEC

**Electrical QA/QC** - QA/QC procedures and documentation - Electrical standards and compliance - Inspection and testing processes - Safety and quality control requirements

Canter CAD

**Revit MEP** - 3D MEP modeling - Electrical, HVAC, and plumbing coordination - Clash coordination with structural and architectural models - Documentation and drawing extraction

ENRUN INDIA

**Electrical Design** - Single-line diagrams (SLD) - Cable sizing and load calculations - Equipment selection and rating

**Electrical Systems & Troubleshooting** - Electrical fault diagnosis and corrective actions - Equipment performance optimization

**Switchgear & Protection Systems** - Switchgear application and maintenance - Protection schemes and fault handling

**Industrial Automation** - Siemens & Allen-Bradley PLCs - SCADA / InTouch monitoring systems - Control system optimization

NIMSME

**ESDP on Solar Panel Installation** - Solar PV installation and maintenance - Site assessment and component selection - Inverter and wiring checks - MNRE safety compliance

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## CERTIFICATIONS

- Certified Electrical QA/QC
  - Revit MEP
  - Electrical Design
  - Switchgear & Protection
  - Industrial Automation
  - Solar Panel Installation (ESDP)
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## ACHIEVEMENT HIGHLIGHTS

- Successfully delivered support across **6+ major KSA projects**.
  - Contributed to smooth execution of **NEOM, MOD, and RC electrical systems**.
  - Supported final handover for **fire alarm, power, ELV, and data systems**
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## LANGUAGES

- English, Hindi, Telugu & Urdu.
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## REFERENCES

- Available upon request