

Waseem Ahmed

Electrical Engineer (SEWA Approved)

+971 56 304 7207, +92 320 456 7794

vvacim@gmail.com



Professional Experience: 7 years in a grade 4 MEP contractor in Sharjah, have driver's license and SEWA card.

Previously 1 year in oil & gas, 8 years in QA/QC/Testing of electrical equipment, 9 years in industrial maintenance in Pakistan.

Key skills:

- Experience in design/installation/supervision of backup diesel generators (300kVA to 3000kVA), ATS, essential load configuration/shifting, testing/commissioning, estimation etc.
- Experience in supervising infrastructure construction works like the foundation for generators, concrete estimation, steel estimation, shuttering estimation, excavation for cable sleeves, and site repair.
- Experience in supervising mechanical fabrication works for exhaust pipe for generator, louver, and sound attenuator fabrication/installation, GI duct fabrication/installation, etc.
- Experience in MEP estimation, costing, procurement, design, shop drawings, SEWA approval, site supervision, scheduling, communication skills, technical report writing, event logging, and project management.
- Experience in QA/QC/Testing/Commissioning, Design, Erection, Maintenance, and Troubleshooting of E & I systems.
- Well conversant with AutoCAD™ MEP, Autodesk Revit™, BIM, BMS, Siemens TIA Portal, RSLogix, MS Excel™, MS Word™, MS Project™, Primavera™, DIALux™, KNX ETS5™, LabVIEW™, MATLAB™, Ecodial™.
- Well conversant with computer-powered analyzers and test equipment, (use/configuration/calibration).

Other Skills:

- Driving license for light vehicle manual.
- SCADA, HMI, PLC, VFD, Relay logic, Analyzers (programming/configuration)
- Computer (hardware and networking/communication)
- Electronics/Electrical (circuit design and component level repair)
- Microcontroller projects (programming and hardware design)

Electrical Engineer (SEWA Approved)

Dar ul Zubarah Electrical and Sanitary Contractor. Sharjah UAE.

Feb 2015 – Present

(7 years)

Electrical Engineer E&I

Concilium Middle East (FCZ).

Mar 2014 – Mar 2015

(1 year)

Junior Engineer (Technical)

High Voltage & Short Circuit Testing Laboratory, Islamabad (Pakistan)

Apr 2006 – Feb 2014

(8 years)

Electrical Foreman (Inspection)

Saadi Cement Pvt. Ltd. Hattar Industrial Estate, Hattar, Haripur.

May 2002 - May 2006

(4 years)

Electrical Supervisor (Maintenance-Plat-III)

Dewan Salman Fibre Ltd. Hattar Industrial Estate, Hattar, Haripur.

Mar 1997 - May 2002

(5 years)

Education

Bachelor of Technology (HONS) Electrical.

Preston University, Kohat, Pakistan

April 2010

Diploma of Associate Engineer Electrical (3-Year)

NWFP Board of Technical Education, Peshawar, Pakistan

January 1997

Languages:

- Urdu
- English
- Arabic

Written

Native
Excellent
Working Knowledge

Verbal

Native
Fluent
Working Knowledge

Electrical Engineer (SEWA Approved)

Mar 2015 - Present

Dar al Zubarah Electrical and Sanitary Contractor. Sharjah UAE.

Introduction:

Dar al Zubarah Electrical and Sanitary Contractor is 20 years old MEP contractor, SEWA approved electrical contractor, working in Sharjah, UAE.

Job Role:

- Design/installation/supervision of backup Diesel Generators (300kVA to 3000kVA), ATS, Automation, essential load configuration, Load shifting, testing/commissioning.
 - Supervised infrastructure construction works, i.e. the construction of generator rooms, foundation for generators, concrete estimation, steel estimation, shuttering estimation, excavation for cable sleeves, and site repair.
 - Supervised mechanical fabrication works, i.e. exhaust pipe for generator, louver, and sound attenuator, GI duct for radiator.
 - Prepared shop drawings for MEP system, load schedules, calculation for cable sizes, SLD, as-built drawings, documentation for utility connection, testing and commissioning of installations.
 - Tender, BOQ, Estimation of material, construction, and labor costs, and project timescales, report writing, daily/weekly/monthly site progress report. Attend meetings with customers, contractors, consultants and government authority representatives.
 - Preparation of Method statements, Testing and Quality procedures for the related projects.
 - Plan and execute maintenance and repair activities (tiles, paint, walls, electrical, HVAC, plumbing etc) for sister company Zubara Real Estate.
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Electrical Engineer E&I

Mar 2014 – Mar 2015

Concilium Middle East (FCZ).

Introduction:

Worked on the project IL&FS prime tank terminal, Fujairah, UAE, (IPPT-Phase-1), as E&I Engineer.

Project: - Erection of Electrical Distribution Equipment at sub-station.

Job Role:

- Supervised the erection of 13800/2400/480V transformers, switchgear and control gear panels.
 - Supervised the erection of UPS for the control gear.
 - Supervised the laying and termination of 13.8 kV cable from the power station.
 - Supervised the erection of motor control panels, VFD Panels, PLC panels.
 - Supervised the fabrication of the motor control circuit as per drawing.
 - Supervised the installation of cable trays and laying of power and control cables.
 - Supervised the panel Energization, cable termination, cable tagging and verification of the cabling as per drawing. And verification of configuration of VFDs, manual running of motors through VFDs, ran complete tests on each circuit according to the checklist.
 - Supervised the installation and termination of PITs, FITs, TITs, and LITs.
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Junior Engineer (Technical)

May 2006 – Feb 2014

High Voltage & Short Circuit Testing Laboratory, WAPDA, Islamabad (Pakistan)

Introduction:

High voltage and Short Circuit Testing Laboratory (19th in the world, 4th in Asia), is sole organization in Pakistan as well as Muslim world, certified with ISO9001:2008, laced with most sophisticated and state of the art equipment. This laboratory certifies the Electrical Power Equipment manufactured from all over the world, on the basis of a variety of Quality Assurance / Quality Control Testing, according to ANSI, IEC, IEEE, WAPDA Specs, or any other discipline agreed upon. Got on job training/workshops on November 11th to 13th, 2009, by National Physical and Standards Laboratory (NPSL) in collaboration with Pakistan National Accreditation Council (PNAC), on Training Course in Lab. Quality Management based on ISO 17025:2005

Job Role:

- Prepare schedule for test requests.
- Prepare study on design documentation of specimens provided and discuss regarding test procedure and adapted specs with the design engineer.
- Prepare assessment report on Lab capabilities for requested test.
- Prepare and implement the circuit design for the particular test specimen.
- Commence the test, analyze the results and issue the report.
- Configure analyzers, write program/configure data acquisition system in LABView and MatLab.
- Maintain/repair LAB equipment and fabricate retrofits for damaged electronic parts

Testing performed in LAB is as follows:

- Routine Test, Temperature Rise Test and Short Circuit Test on 500/400/250/132/11 kV, 10/13 MVA, 20/26 MVA and 31/40 MVA Power Transformers.
 - Routine Testing, Temperature Rise Test and Short Circuit Test on 11000/415 volt, 5kVA to 630kVA Distribution Transformers.
 - Accuracy Test, Short Circuit Test, Lightning Impulse Test, Power Frequency Test, Induced Over Voltage Test, Partial Discharge Test on 132/11 kV as well as low voltage CTs and PTs.
 - Short Circuit Test, Temperature Rise, Lightning Impulse Test and Power Frequency Test (wet & dry) on 11kV Dropout Cutout.
 - Accuracy Measurement, Lightning Impulse, Power Frequency, Insulation resistance Test on Static and Electro-mechanical Energy meters.
 - Lightning Impulse Test on incoming, outgoing industrial Bus Coupler Panels for medium voltage.
 - Lightning Impulse, Power Frequency (Wet and Dry) and Radio Influence Voltage Test on 132 kV, 220 kV and 500 kV Isolators.
 - Proof Current and Proof Voltage Test on Disconnecting Stick.
 - Bending, Partial Discharge, Lightning Impulse, Power Frequency, Capacitance and Tan Delta Test, Heating Cycle and Short Circuit Test on HV Cables.
 - Partial Discharge, Lightning Impulse, Power Frequency, DC, Salt Fog, Tracking Resistance, Humidity Test on HV Cable Termination Kit.
 - Viscosity, Pour Point, Flash Point, Break Down Capacitance and Tan Delta Test on Transformer Oil.
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Electrical Foreman (Inspection)**May 2002 - May 2006**

Saadi Cement Pvt. Ltd. Hattar Industrial Estate, Hattar, Haripur.

Job Role:

- Worked in the Electrical section of the MIS department. My responsibilities included:
 - Daily E&I inspection of the plant to observe faults, breakdown of crusher motors, 6.4 kV motors for raw mills, cement mills, centrifugal fans, high voltage dust traps and filters, conveyor belts, fully automatic cement packing and loading station. Maintenance of 33kV substation. Plan shutdowns, record progress.
 - Check the daily maintenance log book.
 - Prepare the report of daily fault occurrences in electrical equipment and instrumentation of the cement plant, status of the work, find reasons, propose remedy and follow up.
 - Ensure and enforce the safety guidelines during shutdown and emergency maintenance conducted by the E&I department.
 - To design and implement the weekly, monthly and yearly preventive maintenance plan for electrical equipment.
 - To oversee maintenance work during shutdown and ensure that the work is completed in time and satisfactorily.
 - Maintain the preventive maintenance records according to the ISO 9001:2000.
 - Compile the report regarding activities for weekly, monthly and annual meetings.
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Electrical Supervisor (Maintenance-Plat-III)**Mar 1997 - May 2002**

Dewan Salman Fibre Ltd. Hattar Industrial Estate, Hattar, Haripur.

Introduction:

Dewan Salman Fibre Ltd., is Asia's one of the largest industries that produces acrylic fiber. It's a chemical process Plant and owns its own 23.7 MW steam turbine power generation plant, an industrial wastewater treatment facility and unloading and tanker storage facility for highly hazardous and extremely flammable liquids like DMF and ACN. It consists of 4 separate plants with multiple production lines, running 24/7, and controlled by DCS.

Job Role:

- Supervise the general maintenance shift for daily, weekly, yearly schedule and during shutdown period, of the chemical process as per plan.
- Inspection of VCBs, Transformers, 11kV feeder, motors, VFDs, PLCs, Relay logic controls, cable trays, control and power cables, junction boxes, instrumentation and their cabling.
- Maintain/observe daily current logs of the plant motors.
- Prepare the daily report for the preventive maintenance.
- Issue work orders and supervise the maintenance tasks.
- Power Plant control room duty

Responsibilities:

- Daily inspection of the plant for any abnormality, rectification of fault without affecting the normal operation of the plant, investigation of the cause, determination of the severity of the abnormality and level of influence on the operation of the plant.
- Preparation of detailed report for the Manager's office of the engineering department.
- Discuss the procedure for work with the shift engineer and conduct the job accordingly.
- To communicate with the production department, discuss the urgency of the job and arrange the work permit.
- To ensure the safety during the work and close the work permit at the end of the job.

Additional assignments (during the extension of the plant):

- Supervised the erection/testing/commissioning of 11000/415V transformers, switchgear and control gear panels.
 - Supervised the erection/testing/commissioning of UPS.
 - Supervised the laying and termination of 11kV cable from power station, control/power cable laying in plant, termination and tagging of cables.
 - Supervised the erection of motor control panels, VFD Panels, PLC panels.
 - Supervised the fabrication of the motor control circuit as per drawing.
 - Supervised the installation of cable trays and laying of power and control cables.
 - Supervised the cable termination, cable tagging and verification of the cabling as per drawing.
 - Supervised pre-commissioning of VFD Panels and PLC Panels.
 - Supervised the installation and termination of PITs, FITs, TITs, LITs.
 - Supervised erection/testing/commissioning of a fully automatic packing and baling system.
 - Worked with various types of sensors and instruments used in automation like hall-effect sensor, rotary/linear position encoders, inductive/photo-electric/capacitive proximity sensors, solenoid valves, pneumatic control systems. As well as Siemens Step7 DCS/HMI/PLC, SIMOVERT/MIDIMASTER/MICROMASTER VFD, Allen Bradley, ABB, Schneider automation equipment.
 - Designed and fabricated the electrical control system for additional automatic waste material bucket dispensers during extension of the Plant.
 - Also worked with foreign engineers during DCS extension and testing/commissioning.
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Address in Pakistan:

240 G4, WAPDA Town, Lahore.

Reference from UAE:

Will be provided on demand.