

MUHAMMAD UMAIR ASLAM

B.Sc. ELECTRICAL ENGINEER (PEC Reg. No ELECT/67061)



Contact no: +92-311-4036594

Mail ID: umair94aslam@gmail.com

Address: House No.T-7, Staff Colony, Main Block, UET Lahore,

OBJECTIVE:

Actively looking for a suitable position in a reputed and ambitious organization where I can contribute my excellent technical, managerial and interpersonal skills towards the growth of the organization and where I can add to the values of organization by showing team work, innovation and collaboration.

ACADEMICS:

B.Sc. Electrical Engineering: University of Engineering & Technology, Lahore	CGPA 3.011/4.0	2013-2017
F.Sc. Pre-Engineering: Punjab Group Of Colleges, Ferozepur Road, Lahore (BISE Lahore)	Percentage 87.45%	2011-2013
Matriculation: The Trust School Aamir Town, Harbanspura Road, Lahore (BISE Lahore)	Percentage 93.43%	2009-2011

PROFESSIONAL EXPERIENCE:

❖ Assistant Electrical Engineer (Ittehad Pvt. Ltd. Faisalabad)

February 21, 2018 to continue...

Department: Power House

Generation Capacity: 4.5MW (5 x 0.9MW 5794LT Waukesha Gas Gensets)

Job Responsibilities:

- Load Management (Sync. and Load Sharing)
- Power Factor Improvement and Protection of System
- Checking of Daily Generation and Distribution Report
- Monthly Billing Calculations
- Electrical Maintenance
- Managerial Work i.e. Supervision, Estimations, Comparisons, Reports etc.

Dismantling of 5 x Waukesha Gensets:

- Supervise Electrical Team for Dismantling of Electrical Items of Gensets (Control Panels, Bus Bars, LT Cables, Control Cables, Battery Chargers etc.)
- Coordinate with Mechanical Supervisor for Dismantling of Mechanical Items of Gensets (Engine Mounted Items i.e. Turbo Charger, Waste Gate, Solenoid Valve, Gas Lines, Water Lines etc.)
- Maintain Daily Progress Report
- Preparation of Packing List
- Packing, Tagging, Loading and Latching of items
- Re-check all items in Containers after latching and handover list to Manager

Working on a Co-Generation Project (Electricity + Steam):

- 11kV, 5.6MW. 7MVA Electricity with approx. 15TPH Steam generation
- Design Electrical SLD of new Project
- MV. LV Switchgear Design
- Control and Instrumentation Estimation
- Cost Comparison
- Other Design and Feasibility work
- Make a complete Presentation on OGRA TPA Rule (Buy Gas well for 4-yrs, Price/mmBTU, Feasibility, Investment, Profit etc.)

CERTIFICATIONS:

- ❖ International Kangaroo Mathematics Contest 2009
- ❖ One-day Workshop on LabVIEW
- ❖ 32nd IEEE National Engineering Students Competition
- ❖ English Language Proficiency Certificate
- ❖ Switchgear Training Workshop

FINAL YEAR PROJECT:

- ✓ **GRID TIED MULTILEVEL INVERTER WITH POWER QUALITY MONITORING | FINAL YEAR PROJECT | UET LAHORE | 2016-2017 | FYP PROJECT**

Worked on grid tied multilevel inverter with power quality monitoring using National Instruments (NI) myRIO FPGA and LabView GUI for displaying the inverter data (i.e waveforms, frequency, power (active, reactive, real), power factor etc). Three phase 17-level inverter can be used for grid connectivity of modern renewable energy resources such as photovoltaics and wind power systems with highest efficiency.

TECHNICAL AND NON-TECHNICAL SKILLS:

- Full command on MS word, Excel and Power Point.
- Latex, Power world Simulator, Proteus, Multisim, WinSpice, MATLAB
- Team work, Hard Working, Punctual in my work and Never desponded

ADDITIONAL INFORMATION:

Publications	1 Publication in Journal of Electrical Systems (JES) with the title "Detection and Classification of Short and Long Duration Disturbances in Power Systems".
Professional Visits	Green T&D Switchgear company, Elmetec Switchgear Company, M-Tech Switchgear Company, Visit Expo Centre Lahore to attend an expo on "International Engineering and Machinery Asia".
Honours and awards	Study on Scholarship from 2005 upto Graduation (2017).
Memberships	Pakistan Engineering Council (PEC) Permanent Membership.
Languages	Urdu, Punjabi & English

INTERESTS:

- ✓ New researches
- ✓ Socializing with friends and family