

Muhammad Jawad Amjad

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Objective

To work towards achieving a greater success in my career through hard work, consistency and the ability to work with others to achieve organizational goals, aims and objectives.

Work Experience

FFBL Power Company Limited (FPCL)

Project: Coal Power Plant (CPP) Project (118 MW)



Designation: Executive Engineer (Electrical) (NOV 2015 – AUG 2016)

- Design engineering and documentation of electrical power system of boiler package, steam turbine generators (STGs), coal & sorbent handling area & substations
- Technical review of electrical drawings & documents
- Site execution & inspection of electrical works
- BOQ analysis
- Technical bid evaluation of electrical equipment
- Annual turn around (ATA - 2015)
- Modification of existing fertilizer MV panels: To enhance the rating of bus bars from 630A to 2000A including up gradation of protection relays & other relevant accessories
- Modification of bus riser panel: IS limiter panel to ensure safe operation during fault condition
- Modification of LV switchgear including installation of LV motor starters for potable and condensate water pumps
- Laying of Power /control cables for the interconnection between coal power plant & existing fertilizer MV (13.8 KV) Systems.

Fauji Fertilizer Bin Qasim Limited (FFBL)

Project: Coal Power Plant (CPP) Project (118 MW)



Designation: Management Associate (Electrical) (NOV 2014 – NOV 2015)

- Technical review of electrical drawings & documents
- Technical bid evaluation of electrical equipment
- Existing fertilizer plant's study of electrical power system (gas turbines & substations)
- Annual turn around (ATA-2014) of existing fertilizer plant (preventive maintenance of gas turbines, transformers, circuit breakers, LV and MV motor starters)

Frontier Works Organization (FWO)

Project: New Islamabad International Airport Project, Fateh Jang, Islamabad, Pakistan



Designation: Trainee Electrical Engineer (FEB 2014 – AUG 2014)

- Design and review of electrical shop drawings (power, lighting, earthing/grounding, cable trays, lightning protection & fire alarm system)
- Site execution of electrical works
- Designing of cable tray joints, load calculations and designing of load centers
- BOQ analysis and rate comparison of electrical items
- MEP Co-ordination drawings
- Material Submittals

Education

Technische Universität München (TUM), Germany

Masters of Science in Power Engineering (MSPE) (OCT 2016 – Present)

Majors: Electrical Power Engineering

1st semester (In progress)



University of Engineering and Technology (UET), Taxila, Pakistan

Bachelor of Science in Electrical Engineering (2009 – 2013)

Majors: Electrical Power Engineering

Cgpa: 3.72 / 4.00



F.G. Sir Syed College, The Mall, Rawalpindi, Pakistan

Higher Secondary School Certificate (HSSC) (2007 – 2009)

Majors: F.Sc. (Pre – Engineering)

Marks: 965 / 1100 Percentage: 87 %

Army Public School & College, Westridge III, Rawalpindi, Pakistan

Secondary School Certificate (SSC) (2005 – 2007)

Majors: Matriculation (Science)

Marks: 716 / 850 Percentage: 84 %

Internships

WAPDA Engineering Academy, Faisalabad, Pakistan

Designation: Intern (JULY 2012 – AUG 2012)



- Study and visits of gas turbines, steam turbines, combined cycle power plant and 220 KV grid station
- Study of power transmission network of Pakistan
- Study of Circuit breakers (oil, vacuum, SF6)
- Lab experiments on power factor correction

- Study of Plant's independent power generation using gas turbines and steam turbines
 - Study of diesel generators and induction motors
 - Maintenance of induction motors
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Languages

- German A1.1 (In progress)
- English (IELTS: Band 7.0)
- Urdu
- Punjabi

Projects

- Coal Power Plant Project 118 MW (Design Engineering, site works execution, inspection, testing & commissioning)
- Design and fabrication of solar powered pure sine wave micro-invertor (Bachelor degree final year project)
- Line tracking robot (sensor circuits, H-bridges, micro-controller circuit)
- Light activated switch
- Water level detector

Skills & Achievements

- Proficient in programming language C++
 - Proficient in MS office (word, excel, power point, Visio)
 - Proficient in engineering software (AutoCAD, Proteus, Pspice, MATLAB)
 - Vice President of Society of Innovative Electrical Professionals (SIEP), UET Taxila, Pakistan (2012 – 2013)
 - Winner of Robobuster (line tracking robots competition) held by IEEE UET Taxila chapter, Pakistan
 - Winner of water rocket competition held by ASME UET Taxila chapter, Pakistan
 - 3rd position in Airex Innovation challenge 2012 held by AIAA GIKI chapter at GIKI, Pakistan
 - 3rd position in Trackmania and Build-It Make & Fly (water rocket competition) at EME Olympiad, NUST, Pakistan
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