

Muhammad Usman Ather

PEC Registered Engineer

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Domicile: Punjab

Nationality: Pakistan

Religion: Islam

OBJECTIVE

To work with full dedication in a challenging environment contributing to Technical Operation Management as well as exploring my interests in the field of Project Management grooming myself personally and professionally.

INTERNSHIP AND TRAININGS

Wartsila Pakistan, Electrical Department, AGL, Intern, Rawalpindi

(July 16, 2018 till August 24, 2018)

Overall Electrical related Operations and Maintenance of AGL power plant under Wartsila Pakistan containing mainly:

- ✓ Observed Level 4 maintenance of generator with removal of rotor from stator for inspection.
- ✓ Observed changing of the turning gear of generator.
- ✓ Observed reconfiguration of the connections of steam turbine motor.
- ✓ Observed reconfiguration of the temperature sensor of steam turbine due to damaged cable.
- ✓ Observed repairing and maintenance of multiple motors, mostly change of bearings.
- ✓ Observed replacement of in-operational VCB(vacuum circuit breaker) in MV(media voltage) room with an operational VCB.
- ✓ Observed reconfiguration of exhaust and cooling fans in the compressor room.

Bahria Town Pvt Ltd. Electrical Department, Maintenance and Engineering, Intern, Islamabad

(August 23, 2017 till November 30, 2017)

Overall services and maintenance of underground power distribution system constituted of mainly:

- ✓ Observed supervision of a team of Electricians for both indoor services to the customers and outdoor maintenance.
- ✓ Observed the maintenance of RMUs and Transformers for uninterrupted power supply to the customers.
- ✓ Observed LT/HT underground electric cable laying and maintenance for continuous and uninterrupted power supply.
- ✓ Observed locating LT underground cable faults using BAUR SSG 500.
- ✓ Observed planning and erection of street light poles according to luminous condition of streets, parking areas and markets.
- ✓ Observed street light maintenance.
- ✓ Observed dealing with the customers by communicating with them face to face.

EDUCATION

CERTIFICATE / DEGREE	INSTITUTE
Bachelor of Electrical Engineering (Electronics)	Air University, E-9, Islamabad
HSSC Pre-Engineering	Air Base Inter College, Mushaf, Sargodha
SSC Computer Science	Air Base Inter College, Mushaf, Sargodha

FINAL YEAR PROJECT

- ✓ Hybrid Renewable Energy system using Solar Tracking and Load Management

PROJECTS

- ✓ Step-down Transformer
- ✓ Design of an Audio Amplifier using Op-Amps
- ✓ Digital Stopwatch/ Seven Segment Display
- ✓ Water Level Indicator
- ✓ Automated Street light Switching System using LDR
- ✓ Fire Alarm System
- ✓ Automatic Cooling Fan using Temperature Sensor
- ✓ PLC based Motor controller using sensors(Load, Proximity, Temperature)
- ✓ Microcontroller based HEX Calculator(89C51)

INTERPERSONAL SKILLS

- ✓ Ability to interact effectively with people of all backgrounds with tact.
- ✓ Ability to work well under pressure and within strict deadlines.
- ✓ Ability to lead, motivate and inspire others as a committed team player.
- ✓ Ability to formally communicate in spoken and written English.
- ✓ Good in overall communication and presentation.
- ✓ Friendly, Approachable, Outgoing personality with a positive outlook.

ACHIEVEMENTS

- ✓ Director Operations for AirMUN'16.
- ✓ Organizer of Saein Zahoor's Sufi Night at Air University in 2016.
- ✓ Director Finance for AirMUN'14
- ✓ Organizer of Farhan Saeed's concert at Air University 2016.
- ✓ One of the Founders and Initiators of AirMUN.

TOOLS AND SOFTWARES

- ✓ PROTEUS
- ✓ PSPICE
- ✓ Xilinx
- ✓ LogixPRO
- ✓ MS Word
- ✓ Visual Studio
- ✓ MATLAB
- ✓ MS Power Point
- ✓ MS Excel

LANGUAGES

- ✓ Urdu
- ✓ English
- ✓ Punjabi

HOBBIES

- ✓ Football
- ✓ Cricket
- ✓ Socializing