



AJDAR NAWAZ

CONTACT

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OBJECTIVE

To be part of such an organization which would let me exploit my abilities and further polish them. I am willing to take any challenge presented to me and to work with a team for the benefit and growth of the Institution.

ACADEMIC QUALIFICATIONS

- **MS in "Power & Control" at CECOS University Peshawar. Course work completed, Research in progress.**
- University of Engineering and Technology Peshawar. 2011-2015
BSc Electrical engineering (Major Power)
- Edwardes college Peshawar. 2008-2010
HSSC Peshawar board.
- Frontier Children's Academy hayatabad peshawar. 2008
SSC Peshawar board.

WORK EXPERIENCE

Ghulam Rasool and Company Pvt Ltd.
Electrical Engineer

26 Dec 2017 — Present

Working as Electrical Engineer with GRC at Daral Khwar Hydropower Project. The Project is at its final stages. The following work has been observed.

- Dry Commissioning.
- Wet Commissioning.
- Stringing of 11 KV and 132 KV Transmission Lines.
- Up-gradation of Madyan Grid Station.
- Supervision of Electrification works of Residential Colony and Hospital.

AFI-NORINCO J.V. (Malakand 3 HPC)

1 Nov 2017 — 25 Dec 2017

Trainee Engineer

During the period a familiarization has been given in the following fields of Malakand 3 Hydro-power complex.

- Examining and controlling power plant from the CCR.
- Maintenance work of Generators and Transformers.
- Introduction to Turbine and Governor System.
- Introduction to SCADA system.
- Introduction to Electrical Equipments and related accessories of power plant.

Chongqing Water Turbine Works Co., Ltd

1 Dec 2015 — 30 Sept 2017

Electrical Engineer

Worked for the company as an Electrical Engineer for the E&M work of Daral Khwar Hydropower Project (36.6MW) at Bahrain,Swat.

1. Installation of 3 units, including Turbine, Stator, Rotor.
2. Cable Termination.
3. Installation of Transformers and Switchyard.
4. Conducting Required Tests.

NORTH WAPDA WARSAK

1 July 2015 — 31 Oct 2015

Trainee Engineer

In this period of internship, I was attached with Electrical Maintenance, Electrical protection and Electrical Operation Sections.

I covered the following fields:

1. Electrical Maintenance of 40 MW Generator.
2. Electrical Maintenance of Static Exciters.
3. Governing system of Turbines and Generators.
4. Study of electrical drawings and schematics for electrical protection system of Generators and Transformers.
5. Schematic drawings for electrical auxiliaries.
6. Starting sequence for 240 MW Generating Units of Warsak Power Station.

ACADEMIC PROJECTS

Final Year Project:

Academic project was regarding the Electrical and Thermal stability and Control of DC motor achieved wireless using Zigbee Technology.

Motor stability and control (voltage, current, direction) through Zigbee is very interesting application and widely used in robotics, automation systems etc. this project serves to control the DC motor by using the controls from a distant place thus is a safer and easier way of handling the motors. As it is a wireless way of switching a motor, thus it is less time consuming as compared to manual switching of motors and hence is more efficient as a little power is conserved.

Semester Projects:

- Digital Thermometer.
- Projects using micro controller.

SOFTWARE SKILLS

- Microsoft office (Word, Excel, PowerPoint)
- Autocad (Engineering Drawing & Graphics)
- C++ (Computer Programming)
- Electronic workbench
- LTspice (electronic circuit simulation)
- Pspice (electronic circuit simulation)
- Atmel studio (microcontroller programming)
- Arduino ide (Arduino microcontroller programming)
- Matlab

TECHNICAL SKILLS

- Project planning
- Project Supervising
- Team Leading
- Microcontroller programming
- Circuit designing and simulation
- Product design, consulting and supervision
- Problem solving
- Debugging

OTHER SKILLS

- Report writing
- Making quotations
- General computer skills
- Good English communication
- Problem solving

INTERESTS

Have investigative and realistic interests.

- Work activities that have to do with ideas and thinking. To search for facts and figure out solutions to problems mentally.
- Work activities that include practical, hands-on problems and solutions.