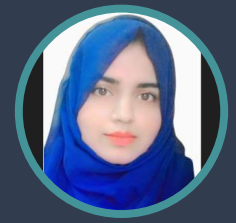


Najwa Tanveer

Electrical Engineer



Seeking a position, which utilizes my knowledge, enabling me to contribute to the success of the organization while promoting my professional growth in the field of electrical engineering (Power generation, distribution, protection, testing, maintenance, management & troubleshooting skills).

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📍 Mianwali, Pakistan

🌐 [linkedin.com/in/https://bit.ly/3tIcNuW](https://bit.ly/3tIcNuW)

EDUCATION

BSc. Electrical Engineering

Namal Institute Mianwali, affiliated with UET Lahore

08/2017 - 09/2021

Punjab, Pakistan

Courses

- Power system

WORK EXPERIENCE

Tech-1 Maintenance

PAEC : Nuclear Power Plant

08/2022 - 09/2022

Mianwali, Pakistan

RFO jobs

- During this period, I was part of the **Main Generator maintenance** team and we performed the following major jobs.
- **MAIN GENERATOR 325 MW:** Measurement of Insulation Resistance and Dielectric absorption test of main generator stator winding. Performed DC high voltage test of generator stator winding. Measurement of DC resistance of main generator stator and rotor winding. Inspection of stator end winding and Teflon pipe have performed.
- Measured out-of-roundness of **slip rings**, which was out of range, after mechanical job out of roundness was now in range (< 75um).
- Corrective maintenance was performed on **leakage detection plates** which are used to detect any water leakage from stator end winding.
- Performed AC impedance testing of main exciter rotor for any change in rotor winding. Performed insulation resistance and DC resistance of Pilot exciter stator winding and Main exciter stator and rotor winding.
- Performed preventive maintenance on PT panels. Performed High voltage testing on surge arresters. Preventive maintenance on neutral grounding transformer.
- **MAIN TRANSFORMER: 282MVA, 20/220KV:** Physical inspection for any abnormal signs. Inspection and tightening of loose connection. Silica gel condition and treatment. Testing of transformer oil. Winding insulation and DC resistance test.
- **6KV VACUUM CIRCUIT BREAKER: ABB 1250A:** Physical inspection of circuit breaker. Connection tightening. Open close coils condition and testing. Insulation resistance of phase to ground and between phases. Contact dc resistance measurement at breaker close position. Condition of vacuum chamber and tulip contact.
- **6KV Motors (2500KW):** Disconnection. Inspection of motor winding. Inspection of CT. Cleaning of stator body. Performed insulation resistance testing. DC resistance testing. Inspection of bearings (performed by mechanical persons). Power cable insulation testing.

Trainee Engineer (Internship)

WAPDA : Hydel Power Plant

08/2021 - 09/2021

Tasks

- Learned different sections of the power plant including the control room, maintenance, protection & instrumentation system. From generation to transmission.

CORE STRENGTHS & SKILLS

Power simulator

MATLAB

PSPICE

Maintenance Engineering

power distribution

Power generation

Troubleshooting Skills

Management

Communication & Presentation Skills

Teamwork

workplace ethics

MS office

Pre & post job documentation

PROJECTS

Final Year Project:

- A high efficiency onboard charger with V2G capability for EV's

Semester Projects:

- Bidirectional Converters
- Obstacle detection Robot
- Data base design project
- Musical tune generation using MATLAB

ORGANIZATIONS

NSSI, Namal Institute Mianwali

Teaching Volunteer

NES, Namal College Mianwali

Event Director

Falah e Ummat Welfare Organization

Volunteer

ACHIEVEMENTS:

Final Year Project is fully funded by "IGNITE"

Achieved fully funded Scholarship at Namal College, Mianwali

Received PEC CPD courses certificates

LANGUAGES

English

Full Professional Proficiency

Urdu

Native or Bilingual Proficiency

INTERESTS

Team management

power generation

counselling

electrical maintenance

blogging

power distribution