

Sarmad Pervaiz

Electrical Engineer

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PROFESSIONAL SUMMARY

Electrical Engineer with overall 5 years of experience in power plants and the oil and gas sector, specializing in supervising SCADA-based systems, protection relays, and power transmission. Proficient in troubleshooting, inspection, and load management, with a proven record of accomplishment of improving operational reliability and safety. Adept at optimizing complex systems and ensuring compliance with industry standards. Seeking opportunities to leverage my expertise in challenging engineering projects.

EXPERIENCE

Emirates Power Operation and Maintenance Company - KSA

Assistant Electrical Engineer | Nov 2024 – Present

- **Planning:** Assisted in material estimation, vendor coordination, and scheduling of electrical maintenance activities.
- **Technical and Safety Compliance:** Supported troubleshooting of power systems, conducted inspections, and ensured adherence to safety regulations.
- **Documentation and Reporting:** Maintained records of maintenance activities, procurement logs, and technical reports.

DESCON Rousch Power Plant (Oil and Gas)

Electrical Engineer | Jan 2022 – Nov 2024.

Worked as an Electrical Engineer at the **450 MW Rousch Combined-Cycle Power Plant**, featuring Siemens V94.2 gas turbines and a steam turbine, operating primarily on RLNG. Gained hands-on experience in high-voltage systems, SCADA operations, and preventive maintenance under Descon Operations and Maintenance protocols.

- Performed inspection, maintenance, and troubleshooting of electrical systems, including excitation systems, synchronization, static frequency converters, and energy metering systems.
- Supported start-up and shutdown procedures for critical components such as boilers, gas turbines (GT), steam turbines (ST), and HRSG, enhancing operational safety and efficiency.
- Address material-related issues and make necessary adjustments.
- Developed and maintained safety and maintenance layouts for electrical systems, reducing downtime and improving reliability.

Marala Hydropower Plant

Electrical Operations and Maintenance Engineer | Oct 2020 - Oct 2021.

Worked as an Electrical Operations and Maintenance Engineer part time employment at a 7.69 MW run-of-river hydropower plant, managing **SCADA-based operations and facility operations** to ensure safe, efficient, and reliable power generation.

- Supervised powerhouse operations, real-time monitoring, and load coordination with NPCC.
- Handled operation and maintenance of switchgear, circuit breakers, and control systems, ensuring system accuracy and reliability.
- Conducted preventive and corrective maintenance, supported system upgrades, and improved plant performance.
- Coordinated with vendors and subcontractors for procurement, material management, and on-site maintenance work.
- Performed routine inspections and safety checks to maintain compliance with standards and operational readiness.
- Managed spillway gate and reservoir operations, following dispatching instructions and safety protocols.
- Maintained technical documentation, reports, and maintenance records for management review.

National Transmission and Despatch Company Limited (NTDC)

Electrical Engineer Internee | Feb 2020 – July 2020.

Conducted operations across **500 kV and 220 kV grid stations**, gaining hands-on experience in protection systems, transformer control, and transmission line infrastructure. Focused on enhancing grid reliability and safety through control logic design and relay configuration.

- Worked on transformer control systems, sensors, and control logic for safe and efficient operation.
- Gained expertise in conductor types (copper, aluminum, ABC) and their optimized applications.
- Configured protection relays (distance, differential, and overcurrent) for fault detection and response.
- Assisted in HVDC system operations to support long-distance power transmission.

EDUCATION

National University of Computer and Emerging Sciences - Pakistan

Bachelor of Science Electrical Engineering | Aug 2018 – Dec 2022.

- Gained a strong foundation in electrical systems, circuit design, power distribution, and engineering processes, with practical skills in designing, analyzing, and optimizing electrical and facility systems.

- Developed the ability to identify, analyze, and solve technical issues in power systems, instrumentation, and automation, while integrating facility operations, maintenance planning, and safety management into engineering practice.
- Built an understanding of energy management, system reliability, and preventive maintenance, aligning academic knowledge with real-world facility engineering applications.

COURSES AND CERTIFICATES

- Participant, DLD Project Exhibition, FAST NU
- Registered Engineer, Pakistan Engineer Council (PEC)
- Approved by Washington Accord
- Electrical Services Training
- Business Process Transformation
- Productivity Tools and Techniques
- Revit
- BIM: Naviswork
- OSHA-Construction Safety and Health
- AutoCAD Electrical
- Work Permit Receiver

PERSONAL PROJECTS

- Graduate Final Year Project - Portable Paint Mixer.
- Water Level Control System.
- Library Management System.
- Online Ticket Booking Database System.

TECHNICAL SKILLS

- Power Generation and Hydropower Systems
- Electrical Design (HV/LV, Switchgear)
- SCADA and PLC Systems Knowledge
- Protection Relays and Grid Operations
- Operation and Maintenance
- Safety Regulations and Compliance
- Technical Report Writing
- Circuit Integration and Instrumentation
- Microsoft Office (Word, Excel, PowerPoint)
- Project Management Basics

SOFTWARE SKILLS

- MATLAB
- PSpice
- Arduino IDE
- AutoCAD Electrical
- Primavera P6
- Microsoft Office
- Microsoft Word
- Wireshark

SOFT SKILLS

- Communication Skills.
- Attention to Detail.
- Team Collaboration.
- Analytical Skills.
- Problem-Solving Abilities.
- Time Management Skills.

LANGUAGES PROFICIENCIES

- **Urdu:** Native
- **English:** Fluent
- **Arabic:** Intermediate



Rousch (Pakistan) Power Limited
450MW Gas-Fired CCGP

Ref No: HRD/PF C-497
1st November 2024

To whom it may concern

This is to certify that Mr. Sarmad Pervaiz S/o Pervaiz Hussain Khan has worked as a "Electrical Engineer" from 01 January 2022 to 01 November 2024 on a contractual employment basis in Rousch (Pakistan) Power Limited at its 450MW Rousch Plant Site, Abdul Hakim, District Khanewal, Pakistan.

We found him sincere, hardworking and result-oriented during his tenure.

We wish him success in his future endeavors.

Muhammad Ali Nawaz
General Manager Technical

Corporate Office: Deseon Headquarters, 18-Km, Ferozpur Road, Lahore.
T +92 (42) 35 9900 34, F +92 (42) 35 9237 72, E rousch@rouschpak.com

Plant Office : 450 MW Combined Cycle Power Plant, Near Sidhval Barrage, Abdul Hakeem, District Khanewal.
T +92 (65) 24 415 72, F +92 (65) 24 415 70, E site@rouschpak.com, URL www.rouschpak.com



ZOMO ASHRO-EVERON-HASSAN
Joint Venture

Plot No. 277, Street No. 01, Sector I-9/3, Industrial Area, Islamabad
Phone: 051-4102038-39, Fax: 051-4102039 email: zomoashro@hotmail.com

Ref. No. PM/ZOMO ASHRO/MHPC/Admin/03/190/V2

Dated: October 31st, 2021

To Whom It May Concern

Certificate of Excellence

This is to certify that Engr. Sarmad Pervaiz Hashmi, S/O Mr. Pervaiz Hussain Khan, and a Pakistani national with CNIC # 3520204734069 and Pakistan Engineering Council (PEC) Registration No. 102936 has served as an Electrical Operation and Maintenance Engineer with utmost dedication and professionalism at 7.64MW Marala Hydro Power Plant on contractual basis from 1st October 2020 to 31st October 2021. Engr. Sarmad Pervaiz Hashmi has consistently demonstrated in the following areas:

- Organize & arrange operation daily work according with operation procedure such as screen monitoring operation analysis to ensure security of both facilities and personnel.
- Guaranteeing the secure and dependable operation of plant/equipment within authorized technical parameters.
- Executing regular procedures and tasks to uphold ongoing network performance monitoring.
- Conduct Generator set and Auxiliary equipment start-stop procedures, Spillway gates operation, identify safety risks, and implement precautions.

During his tenure, Engr. Sarmad Pervaiz Hashmi has excelled in various areas of electrical engineering and other assigned tasks. We anticipate and hope for his continuous progression and success in his professional journey.

(Muhammad Jaz Jadoon)
Plant Manger
Head Marala Power Plant
Sialkot.



NATIONAL TRANSMISSION AND DESPATCH COMPANY LIMITED
General Manager (Design & Engineering) NTDC

No. NTDC/GM/DAE/1775

Dated 01-08-2020

TO WHOM IT MAY CONCERN

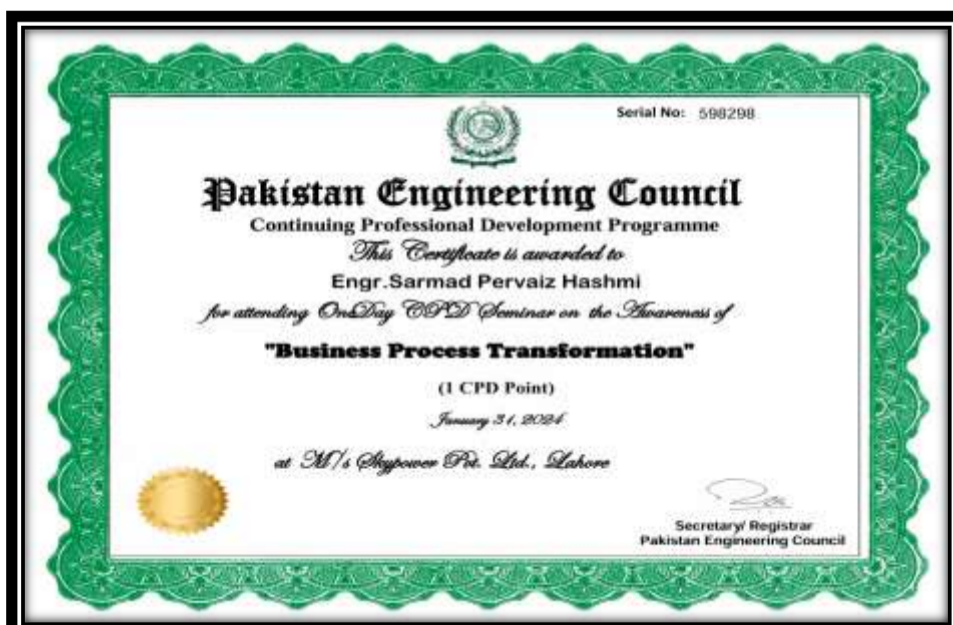
This is to certify that Mr. Sarmad Pervaiz Hashmi, BS Electrical Engineering from National University of Computer and Emerging Sciences (FAST) Lahore Campus, has successfully completed Internship Program of *Six(6) months w.e.f., 01-02-2020 to 01-08-2020* at Protection & Control department of National Transmission & Despatch Company (NTDC), Wapda House, Lahore

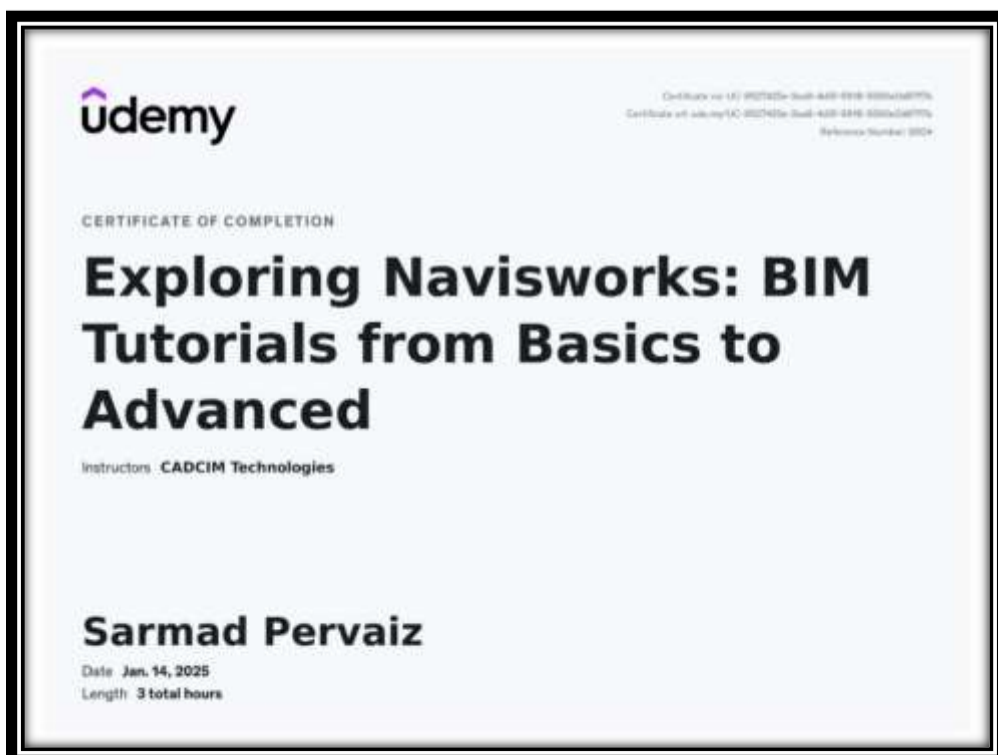
During his internship, Mr. Sarmad Pervaiz Hashmi received training on Protection Relay operation, Schematic Drawings for Protection & Control system of 500 kV, 220 kV & 132 kV AC Transmission System and Relay Settings using manual calculations & Siemens® Computer Aided Protection Engineering (CAPE) software. Mr. Sarmad Pervaiz Hashmi has been found punctual, intelligent & hardworking during the course of this internship

(Engr. Dr. Khawaja Riffat Hassan)
General Manager (Design & Engineering) NTDC

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HSE Culture Developers

SCT/HSE/1-FAC/001-1-2024

Certificate

This is to certify that

Sarmad Pervaiz Hashmi

CNIC: 3520204734069

Has Successfully Completed the

First Aid & CPR Training Course

Date: 1st January 2024

Company: SC Technologies Global Pvt. Ltd.

Site ID: HSE 051, Lahore

Zahid Nawab

Director- Operations

H.S.E Culture Developers

Office: H# 147 Block-A, Faisal Town, Lahore-Pakistan
Ph# +92-345-8301688, E-mail: training@hseculture.com.pk
Website: www.hseculture.com.pk

Dr. Hassan Zahid

Senior Consultant & Trainer



SAFETY MANAGEMENT STUDY

www.safetymgmtstudy.com

CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Sarmad Pervaiz

This certificate is awarded for successfully completing and qualifying in the Basic Work Permit Receiver Training Program. The recipient has gained essential knowledge of work permit procedures, safety protocols, and demonstrated a strong commitment to safe work practices through active participation and assessment.

Work Permit Receiver

A leading online platform for fire and safety training and certification.

Safety Mgmt Study

Date of Exam : 4/16/2025

Certificate ID: 5SL6H4-CE002765

Your score : 80%



manish kumar
MANISH KUMAR
CERTIFICATION ARCHITECT

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