

SOHAIB SIDDIQUE MIRBAHAR

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EDUCATION

MEHRAN UNIVERSITY OF ENGINEERING AND TECHNOLOGY

Bachelors in Electrical Engineering , (Power) B.E, 3.32/4.0

Jamshoro, Pakistan

November, 2016

CADET COLLEGE PETARO

Faculty of Science, Pre-Engineering

Higher School Secondary Certificate, HSSC, 81.2%

Jamshoro, Pakistan

April, 2012

CADET COLLEGE PETARO

Matriculation, Pre-Science

Secondary School Certificate, SSC, 92.4%

Jamshoro, Pakistan

May, 2010

PROFESSIONAL EXPERIENCE

SHANDONG ELECTRIC POWER CONSTRUCTION CORPORATION

ASSISTANT OPERATOR ENGINEER

Ras Al-Khair, Saudia Arabia

October, 2017 – present

A subsidiary of Power Construction Corporation of China which responsible for Power Generation and Transmission Infrastructure project at Ras Al-Khair Power and Desalination Plant in Ras Al-Khair for Saline Water Conversion Corporation.

- Working in an Operations Department (OD) as a assistant operator engineer , responsible for carrying out regular inspection on Heat Recovery Steam Generation system, Steam Turbine (ST) and Gas Turbine (GT). The plant comprised of a combined cycle co-generation power plant having five Blocks of Combined Cycle Units, each block in 2 GTG + 2HRSG +1 STG configuration and one block of Simple cycle with 2 GTG units, with a plant capacity of 3,400MW gross electricity.
- Making sure the working of Gas Turbines is periodic, and its parameters are according to standard with supervision of assigned site (block) safety and direct report to shift supervisor in case of any hazards and major malfunctioning in system.

POWERCHINA HUADONG ENGINEERING CORPORATION LIMITED

ELECTRICAL ENGINEER INTERN

Jhimpir, Sindh, Pakistan

April – October, 2017

A state-owned subsidiary of Power Construction Corporation of China served as a EPC contractor in Jhimpir Hawa Power Project responsible for design, construction and commissioning of 50 MW Hawa Wind Power Plant and 60 KW Solar Power for Hawa Holdings Limited under the supervision of The Enterprise Emerging Markets Fund B.V.

- Assigned at the electrical substation to carried out its earthing to measure the voltage on regular basis, with additional charge of inspection and grounding on Wind Turbine Generators (WTGs) and Generator step-up transformers (GSUs).
- Ensured the quality and control (QA/QC) of products for plant and conducted scheduled testing on substation transformers, electrical equipments; tested and inspected lighting and fire alarm layouts.
- Documented and recorded electrical testing of Wind Turbines, Solar Panels, designed and supervised the record of electrical findings and reports.

INTERNSHIPS

ENERGY DEPARTMENT, SINDH

Karachi, Pakistan

UNDERGRAD ELECTRICAL INTERN

June, 2016

A state-owned sector that develops, generates, supplies and distributes renewable, hydro and thermal energy.

- Interned in a government sector for a month, interacted with oil & gas companies for exploration and commercial joint ventures.
- Investigated the land commissioning for power projects and coordinated in policy formulation, and conservation strategies for department.

JAMSHORO POWER STATION

Jamshoro, Pakistan

UNDERGRAD ELECTRICAL INTERN

June, 2015

Thermal Power Plant fueled by natural gas and fuel oil of total generation of 450 MW owned by Jamshoro Power Company limited.

- Examined the Power Plant for its electrical and mechanical layouts and overviewed various cycles and processes (steam generation, turbo generation, synchronization...) of power generation and analyzed the controls and instrumentation of Plant.
- Coordinated with the team of 5 interns and conducted comprehensive research report on Plant and optimized the current problems of project.

ACADEMIC PROJECTS

MEHRAN UNIVERSITY OF ENGINEERING AND TECHNOLOGY

Jamshoro, Pakistan

FINAL YEAR PROJECT

January – November, 2016

- Developed a model for “*Comparative Harmonic Analysis Of 6 and 12 Pulse Rectifier*” to compare the harmonics produced by 3-phase rectifier in real time via Matlab.
- Collaborated with 5 members of project and led the team as a lead researcher and optimize the solutions for department under the supervision of project supervisor.

SKILLS AND INTERESTS

Technical: Proficient in using MS office, basic understanding of Matlab, SIMATIC (PLC)

Languages: Full professional proficiency in English, bilingual or native proficiency in Sindhi and Urdu

Interests: Power Generation, transmission, distribution, protection, graphic designs, project management, football, gymnastics, debating, and European films.