

Zahid Iqbal

Electrical Engineer

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Experience

Management Trainee and Junior Engineer Electrical

Fauji Fertilizer Company Ltd.

Sep 2017 – Sep 2019 (02 Years) Mirpur Mathelo

- Protection and Control of Steam Turbine and Gas Turbine Power Generators
- Operation and Maintenance of Steam Turbine Generator and Gas Turbine Generator
- Predictive, Preventive and Corrective Maintenance of Medium Voltage Transformers (Make: PEL, ITAL TRAF0 up to 3000 kVA). Performed Break Down Voltage (BDV) and Dissolved Gas Analysis Test of Transformer Oil
- Predictive, Preventive and Corrective Maintenance of Oil/Vacuum/SF6 Medium Voltage Circuit Breakers (Make: Magrini Galileo, Schneider Electric up to 1250 A)
- Predictive, Preventive and Corrective Maintenance of Medium Voltage Motors (Make: ABB, SCHORCH, Parsons up to 2.3 MW)
- Designing of Motor Control Center
- Commissioning of Electrical Panels & Transformers
- Review of Preventive Maintenance activities on the basis of failures
- Planning, Execution and Supervision of daily routine, non-routine Jobs. This includes cable laying, motor greasing, bearing replacement, attending safety observations of area
- Preparation of Material Issue Voucher(MIV), handling of Area Notifications and Work Order on SAP
- Preparation of Bill of Quantities for Contract Out jobs
- Handling of Area and Sub-Station jobs during Turn Around 2018 of FFC Plant-II and 2019 of FFC Plant-I
- Programming and Testing of SIPROTEC, SEPAM and G-60 Protection Relays using OMICRON Test Device
- Preparation of Integrated Management System (IMS) Audit conducted at Plant by keeping in view the company policies

Special Projects

- Team member of special project “Electrical Network Study of Plant”. This includes Load Flow Analysis, Short Circuit Analysis and Protection Coordination. Data collection of electrical equipment specifications, running parameters of Generators, Bus Bars, Transformers and updated old model of FFC-MM Electrical System in ETAP Software
- Prepared Excel Sheet of protection settings of all Medium Voltage Motors
- Collection of all softwares and parameter files of Electrical System and share it on server
- Updated Work Instruction of different maintenance jobs
- Safety enhancement of Old Electric Panels by exploring Lockout Devices where not present in original design
- Prepared Excel Sheet of all the Production Loss Reports due to electrical equipment failure
- Proposed modifications in protection system and maintenance activities on the basis of previous power failures

Internship

Fauji Fertilizer Company Goth Machhi

July 2015 – August 2015

- Studied Motor Control Center components
- Observed Electrical Workshop maintenance activities
- Studied SLD of Motor Control Center and Power Center

Engro Powergen Qadirpur Limited

July 2016 – August 2016

- Generation System
- Protection System

Education

Degree	Institute/Board	Marks	Session
BS - Electrical Engineering	COMSATS Institute of Information Technology- Approved by PEC & HEC	3.63/4	2013-2017
Pre-Engineering	M.T.B College Sadiqabad	84.45%	2011-2013
Matriculation	FFC Model School Goth Machhi- Bahawalpur Board	92.28%	2009-2011

Academic Projects

a. Undergraduate Final Year Project

- Remote Monitoring of Protection Zones in Electrical Power Distribution System

b. Semester Projects

- Remote Control Car
- Electronic Mosquito Repeller

Courses and Training

- Root Cause Analysis
- Hands on training of Siemens PLC S7 series for One week
- Deliver training on SIPROTEC Protection Relay 7SJ602 at FFC Technical Training Center
- Two days training on Siemens SICAM 1703 Automation Unit installed for Electric Load Management System at FFC

Hobbies

- Swimming
- Event Management
- Innovations
- Protection Relay Programming