

# CURRICULUM VITAE

## **Mudassar Younus**

**Driving License** (International & Saudi Arabia)

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**Nationality:** Pakistani



### **Education:**

- **UNIVERSITY OF ENGINEERING AND TECHNOLOGY TAXILA , PAKISTAN.**
  - B.SC ELECTRICAL ENGINEERING (CGPA, 3.12/4.0), AUGUST 2014.
- **THE EDUCATOR COLLEGE MULTAN , PAKISTAN.**
  - INTERMEDIATE PRE-ENGINEERING FROM BISEMULTAN, JUNE 2010.
- **MULTAN PUBLIC SCHOOL MULTAN , PAKISTAN.**
  - O'LEVEL CAMBRIDGE UNIVERSITY , November 2007.

### **Objectives:**

Seeking a challenging career with a progressive organization that provides an opportunity to capitalize my technical skills & abilities in the field of Electrical Engineering. And to show responsibility in work assign to me and perform it with my best of abilities and skills to ensure the creation of quality designs to install new products; provide effective leadership in driving process improvement to completion. Coming with exceptional interpersonal skills and ability to work with a team, knowledge of electrical Terminologies and 5 years' experience working in a installation ,testing and commissioning environment.

### **Experience:**

#### **BANDAR ABDUL HADI CONSTRUCTION ESTABLISHMENT**

**SITE ENGINEER**

**July2017-April2019**

##### **Yamama Cement Factory (Wartsila Power Plant )**

- Lead the Project Electrical Team to manage projects through complete life cycle of project from start of work till project close out.
- Planning & Scheduling of project timelines & ensuring the execution of project & progress of the work at sites.
- Correspondence & Coordination with Client and Consultants.
- Preparation of Weekly task Plan ,Monthly task Plan, Setting the Milestone, Progress of the Projects, Maintaining labour Record and Preparation of Invoices.
- Preparation of Purchase Orders for material to be procured from local and foreign suppliers(Finland office) and Preparation of VOs (Variation Orders) for Non-BoQ items/services.
- Quality Assurance of the equipment according to approved data/drawings in Factory Acceptance Tests (FAT).
- Coordination with Design team in preparation & submission of data, drawings and compliance statements to the Consultants and getting approval of the same.
- Fault finding in equipment and clearing troubleshooting and Maintenance of Electrical Equipment in power plant and troubleshooting.
- Performed Analysing and Testing of Gas Emission System. Performed Combine Cycle Loop Testing For Control Cable, Pressure Sensor, Temperature sensor and Flow meter.
- Commissioned the Open Path Gas Sensor & Fire Fighting System.
- Erection of Control Panel, Low Voltage Panel, Cable Ladder & Lighting Installation.
- Erection of 33KV ABB Switchgear and testing of interlocking system in switchgear.
- CCTV System Installation and Commissioning.
- Testing of 35 MVA and 15 MVA (Functional Test, IP test, Tan delta Test & Vector Group).
- Performed Black start & MV Switchgear ,35 MVA &15 MVA Transformer Mechanical Installation.

#### **JUNIOR ENGINEER MAINTENANCE AND TESTING**

**April2016-June 2017**

- **132/13.8kv (8054) substation Riyadh.**
  - Installation of cable Ladder & Control Panel.LV and Control cable Laying Between Switchgear .
  - Erection of Direct Current (DC) Panel & Alternative Current (AC) Panel.

- **Electroputere Transformer Makkah.**
  - Preparation of weekly Erection Plan and Testing Plan managing the Mechanical And Electrical Team in Installation of Transformer of rating 73Mva,40Mva &20Mva.
  - Quality Assurance of the equipment according to approved data/drawings in Factory Acceptance Tests (FAT).
  - Coordination with Design team in installation and compliance statements to the Consultants and getting approval of the same Design to Client.
  - Performed functional testing, Insulation resistance Test and IP index
- **380kv/110kv Madinah East BSP**
  - Executing Designer plan Erection method in 380kv and 550kv circuit breaker, Disconnecter, Earthing switch & High speed Earth switch in GIS.
  - Assist Electrical Team in managing Cable laying from 380kv GIS to Control room.
  - Quality Assurance of the Installation of Cable tray in 380kv GIS Building.
  - Assist Engineer in Performing Gas filling in new install 380kv & 550 KV GIS.
  - Assist Mechanical Team in Erection of steel support structure inside & outside of GIS.
- **380/132/13.8kV substation (9059) unayzah.**
  - Planning and Execution of Erection of 380kv ABB switchgear i.e.: Disconnecter, Earthing Switches, High speed, Earth switch ,Current Transformer and voltage Transformer.
  - Performed and Monitored Current Transformer Ratio test using CT Analyzer, Polarity test of Current transformer, Voltage Transformer. Auxiliary Relay contact test using Sverker780,Contact resistance test using MOM600A,10KV Earth insulation resistance
- **132/13.8/33kV substation Atwalah.**
  - Provide assist to engineer in performing equipment test in substation. Monitored Current Transformer Looping Test, Polarity test of Current transformer and Voltage Transformer.
  - Assist engineer in meeting with timeline given by client in performing and implantation testing Auxiliary Relay contact test using Sverker780. Contact resistance test using MOM600A and 10KV Earth insulation resistance.

## **ANWAR SON ELECTRICAL AND MECHANICAL WORK, MULTAN PAKISTAN.**

### **JUNIOR ENGINEER MAINTENANCE AND TESTING**

**Febuary2015-March2016**

- Developed safety precautions for electrical/mechanical isolation of motors Rated up to 400 KW at 380 Volts.
- Developed Ac single line, three line, wiring, and protection and Control Drawings.
- Assist in preparing disassembling and assembling procedure of motors.
- Performed as found electrical tests for motors including insulation resistance, Polarization index resistance and impedance.
- Assist in replacing defective winding of motors.
- Performed as left electrical/mechanical tests for motors after rewinding/repair.
- Assist in commissioning protection and control of motors including testing of current Transformer, potential transformer.
- Assist in functional test of overload, over/under voltage, over/under current, current unbalance, phase reversal, missing phase, under/over frequency, mechanical jam, short circuit, vibration, winding temperature, bearing temperature, cooling system and soft starting.
- Monitored motor performance under load.

### **TRAINING SESSION (KAPCO PAKISTAN )**

**October 2014-January 2015**

- Observe ed troubleshooting of alarm system of gas turbine.
- Observed starting and shutdown of gas turbine and then coupling of steam turbine as a combined cycle unit.
- Observed high voltage contact resistance test on circuit breakers, testing on station batteries.
- Observed test of protection on generator, transformer, bus bars, motors and interlocks of circuit breaker and disconnect.

### **JUNIOR ENGINEER MAINTENANCE AND TESTING**

**July2014-September 2014**

- Assist in decoupling, disassembling, cleaning, assembling, coupling of bearing of motor ratings 400 kilowatt in Nestle Food Kabirwala Pakistan.
- Assist in Earth Resistance Testing at Mahmood Group Power Plant Pakistan.
- Assist in decoupling, disassembling, cleaning, assembling, coupling of bearing of feeding water pump motor rating 1.2 megawatts at 11 kilovolts at LAL-PIR Power Plant Pakistan.

## **Multan Electric Power Company Pakistan (“MEPCO”).**

### **INTERNSHIP:**

**July 2013-August 2013**

- Transformer Maintenance workshop
  - Observed repair of transformer rating from 25 to 100 kilovolts.
  - Performed voltage breakdown test, water contents test, transformer oil dehydration.
  - Performed open circuit test, short circuit and turn ratio test on repaired transformers.
  - Observed transformer’s brushing replacement.
- Meter maintenance & Development Section
  - Perform Calibration of single phase, three phase analog and digital energy meters.
  - Observed switching process of 132Kv grid station.
  - Observed construction and development of New Transmission Lines.
  - Observed Concrete Type Pole installation for 11Kv distribution lines.
  - Observed porcelain insulator installation for 11Kv distribution line.
  - Observed 150 mm<sup>2</sup> ACSR conductor pulling for 11kv overhead transmission lines.

### **FINAL YEAR PROJECT:**

Designed and devolved variable Motor Speed control using (i.e: IGBT, THYRISTORS) rated 0.4kw single phase input, 3 phase outputs.

### **CERTIFICATION:**

- Certified Engineer for Testing of Transformer (Hyundai).
- Certified Engineer for Testing of Breaker(MEGGER).
- Certified Engineer for Testing Of relays (MEGGER).
- Attend training course on PLC, HMI & Scada introduction
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- Certified member of IEEE Pakistan.
- Certified member of Pakistan Engineering Council.
- Certified Supervisory of PEC.

### **COMPUTER SKILLS / SOFTWARE:**

- Programming Skills, C-Language, Matlab, Simulink ,E-tap.
- Auto-CAD designing, Lab views, Multisim.
- Power Sim and Proteus.
- Microsoft Office Tools. (Excel, Word, PowerPoint).
- Programming of Servo motor speed control using 8051.
- Simulation of Rousch Power Plant Adul hakeem and Pakistan in E-tap.
- Simulation of 132Kv Bosan Road Grid system Multan and Pakistan in E-tap.

### **AREA OF INTERESTS:**

Power plant, Reading, Program Logic Control, Motor Winding, Transmission & Distribution Substation Maintenance