# **MUZMMAL HUSSAIN**

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## **Career Objectives:**

I am very interested in working at a challenging position in a well reputed organization where I can implement my professional skills for the organization's development.

Experience

### Power Plant of Nishat Hotels & Properties Ltd (Emporium Mall 14.6 MW)

Designation: Assistant Engineer (E&I) Period: June 06, 2016 to till now.

### Plant Data:

- Wartsila 9L34DF (3.8 MW) x 02 •
- CAT C175 (2.4 MW) x 02
- CAT 3512 (1.2 MW) x 01
- CAT C18 (508 KW) x 02
- Waste Heat Recovery Boiler (WHRB) 5.5 Ton

### Responsibilities:

- Operation and maintenance of MCS (Master Control System) of Emporium Mall.
- To attend the meeting with contractors for plant development, technical reports, breakdown analysis and final punch lists.
- Assisted by Project Manager for work planning, material spare parts ordering, maintenance job procedures and scheduling.
- Installation & Commissioning of Wartsila Gensets (UNIC C3) and Caterpillar.
- Online the VFDs, Protection Relays and auxiliaries to update & take comparison of the data.
- LV and MV Panels MCC Panels
- *Hi-pot and megger testing of power cables*
- Working on 11 KV Protection Switch Gear Panels.
- *Routine & preventive maintenance of electrical equipments.*
- Inspect the generator components like space heaters, windings, CTs, PTs, Bridge rectifiers and also test the winding insulation by Meggar
- Installation & trouble shooting of instruments PT100, Pressure Transmitters, switches, level transmitters, switches and solenoid valves etc.
- Calibration and maintenance of different instruments namely pressure, Level, Flow, Temperature, pneumatic Control valve, MOV, Double acting actuator positioner, shutoff valve.

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- Perform Loop checking, function logic testing, Cause and Effect Testing and Sequence checking according with project documents and approved control narrative.
- VFDs operation, troubleshooting
- Maintenance of Lube oil purifier
- Preparing punch lists and its rectification as per standard specification
- NGR / NGS Panel
- Configuration and testing of engine mounted control panel
- Configuration and testing of protection relays
- Commissioning of alternator's sensor and insulation testing of windings
- *Maintenance and inspection of NGR (Neutral Ground Resistor)*
- Drawings study such as Schematic and wiring diagrams, Cable Layout and Routing diagrams, Logic Loop diagrams, termination drawings and P & ID diagrams
- Instrumentation of power house
- Daily maintaining the production and technical reports
- Maintenance of components & instruments of WHRB

#### Ghazi Power Plant (Private) Ltd (21.2 MW) 46 KM Multan Rd, Lahore Pakistan

Designation: Electrical Foreman Period: November 04, 2014 to June 05, 2016.

#### Plant Data:

•	MAN B&W	18v28/32s	(4.0 MW) x 02
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- GE-JENBACHER 620 (3.0 MW) x 04
- CAT 3512 (1.2 MW) x 01
- Waste Heat Recovery Boiler (WHRB) 6 Ton

### Responsibilities:

- Supervised the erection & Commissioning Phases.
- Laying the cable trays
- Laying & Testing of Cables for HV, LV & Control
- Installation of Fixtures.
- Installation of different types of Earthing (grounding) system & Testing
- Due to having a strong grip of reading the electrical drawings it's very easy for me to troubleshoot the problems and install the components.
- Worked on 11 KV Protection Switch Gear Panels.
- Modifying the Protection Panels and adjust the CTs, PTs and Bus Bars as the right place for getting the required result.
- Estimate the electrical components
- Laying and sizing the cable trays and cables for HT and LT
- Lube oil purifiers and H.F.O purifiers made by Alfa level
- Meggaring of Motors, Generator and Transformers
- Installed the 1000 KVA Transformer
- Inspect the generator components like space heaters, windings, CTs, PTs, Bridge rectifiers and also test the winding insulation by Meggar



Install the PT100, Pressure Transmitters, switches, level transmitters, switches and solenoid valves

## **Bindawood Group of Companies Ltd Kingdom of Saudi Arabia**

**Designation:** Electrical Engineer Period: April 04, 2012 till September 09, 2014 **Responsibilities:** 

## • Erection of Branch at Jabal-e-Umar project in Makkah

- Supervised the Warehouse wiring project Bahra, Jeddah(Power cable network & **Distribution Board Installation**)
- CCTV installation Avigilion American at several Branches.
- Maintain the UPS, Generators and ATS panels at 5 branches of Makkah.

#### Ghazi Power Plant (Private) Ltd (36.0 MW) 46 KM Multan Rd, Lahore Pakistan

Designation: Electrical Supervisor Period: September 14, 2009 till November 25, 2011

### Plant Data:

•	CAT	3616	(3.8 MW) x 06
•	<b>GE-JENBACHER</b>	620	(3.0 MW) x 04

- CAT 3512
- Waste Heat Recovery Boiler (WHRB) 6 Ton

## **Responsibilities:**

- Maintenance of 11KV HV Switchgear with VCB (Incoming, Outgoing, Industrial, Consumer, Bus coupler, Metering panels.
- *Routine testing of batteries and meggering the Earth pits of Plant.*
- Routine Greasing of Generators and also changing the parts if necessary.

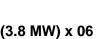
## **Skills**

- Understanding of Electrical Plans, Schematic Diagrams and Control Circuits Diagram
- Troubleshooting Skill for medium and high voltage power generation and distribution system •
- Testing the Bridge rectifiers CTs PTs and also changed them as per requirements.
- Good in multitasking and can handle multiple projects at a time
- HV,LV Panel Testing,Megger Test, Relays Testing
- Testing and commissioning of panels and buildings

## **Computer Skills:**

- MS Office
- MS Windows
- Hardware Troubleshooting
- Internet Browsing •
- Scanning & Printing





- (1.2 MW) x 01

# Academic Qualification:

<ul> <li>Bachelor of Technology (Hons) Electrical</li> </ul>	2011
CGPA: 3.1/3.5	
Preston Institute of Management Science and Technology	
<ul> <li>Bachelor of Technology (Pass) Electrical</li> </ul>	2009
CGPA: 3.1/3.5	
Preston Institute of Management Science and Technology	
<ul> <li>Diploma of Associate Engineer</li> </ul>	2007
Marks: 2567/3550	
Okara Polytechnic Institute, Okaras	
<ul> <li>Matriculation (Science)</li> </ul>	2002
Marks: 365/850	
Board of Intermediate & Secondary Education, Lahore	

# **Personal Details:**

Father's Name:	Munawar Hussain
rather's Name:	Mullawal Hussaili
Date of Birth:	October 25, 1986
Marital Status:	Married
Nationality:	Pakistani
<b>Religion:</b>	Islam
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	Kasur