

# ELECTRICAL ENGINEER WITH 5 YEAR EXPERIENCE

## SURENDRA KUMAR PANCHE

Electrical Engineer

Melco India Pvt Ltd

O&M site: Jindal stainless ltd

Present location: NIC, Duburi, Jajpur, Odisha, India.

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**Experience : 05+ year**

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### CAREER OBJECTIVE:

To be associated with a progressive organization which provides an opportunity to apply my knowledge and skills in order to keep me abreast with latest trend and technology.

### EDUCATIONAL QUALIFICATION:

- Electrical Engineering (BE) in 2010 – 2014 From Mansarovar Institute of Science & Technology Bhopal Affiliated RGPV Bhopal
- HSSC Passed in 2010 with M.P. Board From Govt. Excellance School Waraseoni Balaghat.
- SSC Passed in 2008 with M.P. Board From Govt. High School Budbuda Balaghat.

### PROFESSIONAL EXPERIENCE:

- Permit to work (PTW),
- Job hazard analysis (JHA).
- Safety task assignment system (STA).
- Lock out – Tag out (LOTO).
- Isolation/de-isolation.
- Confined space.
- Emergency first aid at work.

### SUMMARY

- Operation & Maintenance of 2×125MW Coal Fired Thermal Power Plant
- Knowledge in installation of switchgear, transformer, organizing & supervising works
- Maintenance, testing of VCB ,Motor, operation of Electrical & automation
- VFD's, control wiring, HT/LT power distribution,
- Transformers, DG sets, process control panels,
- Maintain the PF of the system

- Motor maintenance , LT switchgears, power and control cabling,
- Plant lighting, earthings, fire protection systems,
- Breakdown analysis, power consumption monitoring of various sections of process and savings,
- Laying 240 sq. mm PVC / Rubber cable, Termination, Glinding and Testing
- Testing of cables,motor,CT's includes Meggering, Continuity, Loop Checking, Functional check, CT parameters check .
- To carry out all Maintenance/Construction activity (ies) with considerable QHSE and technical aspects
- To conduct safety tool\-box talks and inaccordance with potential hazard involved in activities to be carried-out and encouraging work men to follow necessary guidelines.
- Involved Maintenance works in mega shutdown in FCCU units of Reliance Industries Ltd jamnagar gujarat

#### **EXPERIENCE DETAILS: 5+ Year.**

<b>1. Client.</b>	<b>: Jindal Stainless Ltd,Jaipur ( Odisha)</b>
Organization	: Melco India Pvt Ltd
Duration	: 01 <sup>th</sup> Jul 2018 to Till date..
Designation	: Electrical engineer
Project	: Electrical Operation Maintenance in CPP Plant(2×125MW) And control and instrumentation (C&I)

#### **Job Responsibilities:**

- Knowledge in Power Plant Systems

Boiler, Turbine, Burners, Coal Feeders,AHP,FD, ID & PA Fan I etc.

- Expertise in SMART/HART enabled Field Instruments like

Pressure Transmitters, Pressure Switches, Level Transmitters, Flow Transmitters, RTD, Control Valves of Emerson, Rosemount, Yokogawa, ABB, Honeywell, Hatch,E&H, Siemens.

- Expertise in Pneumatic and Motorized Control Valves(MOV)

SMART Pneumatic Control Valves of Siemens, ABB, Fischer.

Motor Operated Valves(MOV) of AUMA, Schneider, Greatork, Rotor

- Expertise in Scheduling, Planning and executing Annual Overhaul Plant Shutdown.
- Corrective and preventive maintenance of electrical equipment
- Perform cable glanding , cable termination, cable pulling, supervise installation of the feeder line and sub feeder line
- Testing of cables, **motor, CT's includes Meggering, Continuity, Loop Checking, Functional check, CT** parameters check only secondary injection.
- Determine the reasons for any malfunctions of systems or components, and create a maintenance or repair plan to solve the problem.
- Repair electrical systems, wiring, **circuit breakers**, equipment and other components so that they remains at full functioning capacity.
- Test systems with devices such as voltmeters and ohmmeters to ensure the system remains safe and that components are compatible.
- Starting of induction motor by (**DOL and Star -Delta** ) starter check and solve the problem
- Motor coupled/uncoupled run test, taking reading on motor speed, starting current, motor vibration (vertical and horizontal), bearing temperature.  
Perform cable glanding , cable termination, cable pulling, supervise installation of the feeder line and sub feeder line .

<b>2. Client</b>	<b>: Reliance Industries Ltd ,Jamnagar (Gujarat)</b>
Organization	: Parikh Agency
Duration	: 01 <sup>th</sup> Nov 2017 to 15 <sup>th</sup> may 2018
Designation	: Electrical Engineer.
Project	: Shutdown work in SEZ Coker Plant And operation maintenance

### Job Responsibilities:

- **HT Panel (6.6kv)**, Shutdown (Siemens make).
- Transformer PM (**33KV/6.6KV**),Motor PM (**6.6KV AND 440V**),PM of VCB
- Installation of **800A MDB, 400A DB,250A,125A DB,630A**.For temporary supply
- Loading, unloading, Installation, Earthing, Inspection, Enersisation, Operation of **650kva, 500kva** Diesel Generator Sets, Tower lights.
- Laying 240 sq. mm PVC / Rubber cable, Termination, Glinding and Testing
- Testing of cables, meggering / IR Test, continuity check, loop checking.
- To carry out all the pre-check / Testings necessary for the safe energisation of 156kw Trolley machine / PWHT machine in association with client CEP.
- Earthing & bonding system distribution system & protective devices, plant lighting and emergency lighting, willingness to follow site safety rules and regulations and work safety at all times.
- Experience in HSE delivery working within the confines of an operational Oil & Gas plant.

3. **Client** : **Reliance Industries Ltd, Jamnagar, (Gujarat)**  
**Duration** : 20<sup>th</sup> Apr 2015 to 15<sup>th</sup> Oct 2017  
**Organization** : Joy Thomas Engineering Pvt Ltd.  
**Designation** : Site Engineer  
**Project** : Electrical Maintenance, Construction & Shutdown Work in DTA FCCU Plant

#### **Job Responsibilities :**

- Installation of (400A,125A ) MDB's, DB's SDB's, 800A, 630A PANNELS Feeding power from 1000 kva,
- Loading, unloading, Installation, Earthing, Inspection, Enersisation, Operation of 650kva, 500kva Diesel Generator Sets, Tower lights.
- Understand of switchgear selection, component selection and sizing, lighting calculations
- Conduct point to point wire checking, field control instrument and field junction boxes, equipment and components by using test equipment and hand tools to locate the cause of breakdown and suggest the necessarily corrective action.
- Testing and carry out site pre-commissioning/commissioning of electrical equipment (33kv,11kv,6.6kv,415volt transformer, switchgear and motor) distribution panel, lighting devices and cables and leading to energization of electrical equipment.
- Simulation of motor control panels and ensure that the control circuit is properly working, conduct no load and load run test of HV and LV motor and monitor motor integrity. Isolation and de-isolation, Lockout-Tagout.

4. **Organization** : **Nav Bharat Poly Weaves Pvt. Ltd. Pithampur, Dhar (M.P)**  
**Duration** : 01<sup>ST</sup> April 2014 to 31<sup>ST</sup> Mar 2015.  
**Designation** : Site Supervisor  
**Project** : Electrical Maintenance .  
**Job Responsibilities** : X-mer PM, Motor PM, VFD Drive Check out, all lighting maintenance

#### **SOFTWARE SKILLS:**

- Sufficient knowledge about Microsoft word, Excel, Power Point.

#### **PERSONAL SKILLS:**

- Quick grasping power.
- Positive attitude belief in hard work by always putting up the spirits high to work harder to achieve best result.
- People oriented, and believe in P to P (Person to Person) communication at various levels and to solve issues in daily activities, if any.

**PROJECTS:**

- Speed Control of AC Motor by Potentiometer.
- DC Motor Monitoring and Control System by RF

**INDUSTRIAL TRAINING DETAILS:**

- Hindustan Copper Ltd,
- M.P Power Transmission Company Ltd.

**SAFETY TRAINING DETAILS:**

- Training done at RIL Refinery, Jamnagar on topics -
- Work at height, fall protection.
- Confined Space

**PERSONAL INFORMATION:**

- Father's Name : Mr. Radhe Lal
- Mother's Name : Mrs. Sukrati Bai.
- Date of Birth : 07<sup>th</sup> Nov.1991
- Gender : Male
- Languages : English, Hindi.

**DECLARATION:**

I hereby declare that all the above mentioned information is true to the best of my knowledge.

Date :  
Place :

Surendra Kumar Panche