



# SUNIL HANSDAH

## MANAGER ELECTRICAL

✉ sunilhansdah@gmail.com

📞 9064517854

📅 15 Years

Achievement-driven professional having 12 years experience in Electrical, HVAC & Utility Services targeting senior level assignments with an organization of high repute.

### Profile Summary

A qualified professional with an accomplished career spanning key roles as Shift-In-Charges, Area-In-charges, Dept Head in areas of Installation & Commissioning and Manintance of Power Distribution, electrical machineries, security surveillance, HVAC, DG and allied utility.

### Education

2007, Full Time

**B.Tech/B.E., National Institute of Technology, Rourkela,**

### Work Experience

2021 - Present

MANAGER ELECTRICAL

**Odisha Mining Corporation**

**As Head of Electrical department at Gandhamardan Iron Ore Mines of Odisha Mining Corporation, responsible for operation and maintenance all the electrical installation& machineries which includes**

- 07 Nos of 11 KV/ 440 V distribution transformers and substations
- Illumination which includes LED street lights, High masts inside the mines, roads and townships.
- Overhead and underground electrical distribution systems
- 1200 & 900 TPH crusher & screen plant having MCCs, PDBs, conveyors, air compressors, motors & drives.
- 72 Nos of DGs having capacities of 600, 100, 50, 20, 10, 5 KVA.
- Power supply to 500 Nos of quarters & Office buildings.
- Fire alarm system of the office building.
- Security Surveillance System & Access control system.
- EPBAX System.
- 20 Nos of Weigh Bridges including power supply and Load cells.
- Traffic Management forcontrolling the movement of trucks of entire production and sales operation covering a length of 24 KM.
- 02 Nos Package Air conditioners and 120 Split/Window air conditioners.

- 2 Nos of 25 KWp & 01 No of 50 KWp Solar Power Plant.
- Maintenance of power supply system and water pumps of 30 villages under CSR activities.

#### **Projects completed.**

- 2 Nos of 25 KWp & 01 No of 50 KWp Solar power plant.
- Replacement of bare overhead conductor with AB cable.
- Power supply, illumination and Air conditioning of Community center
- Power supply, illumination, Air conditioning, EPBAX, fire alarm of the 2nd floor main office building.
- Upgradation of the switch gears and premises of the substations.
- Dedicated 11 KV feeder project comprising of 4 Nos of 11 KV/ 415 V substations, 18 KM of XLPE cable stringing for providing power supply to the entire mines.

#### **Projects under progress**

- Dedicated 220 KV/33 KV feeder with a load of 40 MVA for mechanized evacuation of ore.
- Installation of feeder pillars for distribution.

#### **Other roles and responsibilities**

- Designated electrical engineer for the mines as per the statute responsible for the submission and compliances of illumination and electrical plans and each activity per pertaining to the electrical system.
- Responsible for getting the clearances from the electrical inspectors.
- Liasoning with the State Discom for any extension of existing electrical distribution system or any new installations and ensuring the timely certification of the energy bills.
- Responsible for obtaining approvals from the statutory authorities and ensuring compliances as the per the statute.
- Providing support for audits carried out by ISO, CAG, SA8000, etc.
- Preparation of annual budget and controlling of expenditure.

2014 - 2021

ASSITANT MANAGER

**Bharatiya Reserve Bank Note Mudran(P) Ltd, (A wholly owned subsidiary of Reserve Bank of India)**

**As Head of Utility services at Salboni, West Bengal of Bharatiya Reserve Bank Note Mudran (P) Ltd, responsible for operation and maintenance all the electrical installation & machineries which includes**

- 01 Nos of 33 KV/ 6.6KV MSDS comprising of 2 Nos. of 10 MVA transformers, switchyards, 33 KV & 6.6 VCBs, electrical panels having switchgears comprising of 6.6. KV VCBs, protective relays for protectionof the transformers and various outgoing feeders for distribution transformers and HT motors.
- 06 Nos of 6.6 KV / 440 V substations comprising of 1000 KVA, 500 KVA and 250 KVA distribution transformersfor power supply and illumination.
- Illumination which includes LED street lights & High masts inside the plant, roads and townships.
- Underground electrical distribution systems.
- 03 Nos of 6.6 KV DGs having capacities of 2.5 MVA each. 2 Nos of HSD storage tanks of 180 KL each
- 03 Nos Air Compressors and distribution network of the compressed air.
- Power supply to 2000 Nos of quarters & Office buildings.
- Fire alarm system of the Plant and the office buildings.
- Security Surveillance System comprising of IP cameras & Access control system having biometric and facial recognition system.
- EPBAX System.
- 02 Nos of Weigh Bridges including power supply and Load cells.
- HVAC system comprising of 01 No of 650 TR HT Chiller & 04 Nos of 500 TR LT chillers having VSD, pumps, cooling towers and 56 Nos of Air Handling Units (AHU). 02 Nos Package Air conditioners and 250Split/Window air conditioners.
- 01 Nos of 100 KWp & 01 No of 450 KWp Solar Power Plant.

#### **Commercial & administrative responsibilities**

- Preparation of annual budget proposal for both revenue and capital expenditure.
- Ensuring expenditure as per approved budget.
- Ensuring scheduled execution of projects both capital and repair & maintenance works from preparation of estimates & specifications, floating of tenders, finalization of contracts & completion of the projects.

- Procurement of the annual spares and consumables.
- Ensuring scheduled periodic maintenance of the equipments as per the SOP and recording of maintenance documents as per the standard ISO formats.

#### **Projects completed.**

- Procurement & Replacement of 04 Nos of 650 TR HT chiller with 500 TR LT chillers
- Procurement & Replacement of conventional AHU with Humidity Control System.
- Procurement & Replacement of Air Compressor with .
- 01 Nos of 100 KWp & 01 No of 450 KWp Solar Power Plant.
- Installation and commissioning of 1 MVA, 6.6 KV/440 V Transformer.
- Replacement of conventional fans with BLDC fans, HVSV lamps with LED lamps.
- Power supply, illumination, Air conditioning, EPBAX, fire alarm of the ground floor main office building.

#### **Other roles and responsibilities**

- Designated electrical engineer for the plant as per the statute responsible for the submission and compliances each activity per pertaining to the electrical system and submission of statutory reports.
- Responsible for getting the clearances from the electrical inspectors.
- Liaisoning with the State Discom for any extension of existing electrical distribution system or any new installations and ensuring the timely certification of the energy bills.
- Responsible for obtaining approvals from the Central electricity Authority and ensuring compliances as per the statute.
- Responsible for the testing and calibration of lifting tackles and pressure vessels as per the factory act.
- Obtaining permission and complying with the provisions for storing of HSD from PESO.
- Providing support for audits carried out by ISO, CAG, IB, etc.
- Tendering process from preparation of estimates to award of contracts for various repair and maintenance works as well as capital works.
- Preparation of annual budgets and controlling of expenditure.

2012 - 2013

Executive Intern

#### **Reserve Bank of India (RBI)**

**In the department of non-banking supervision of Reserve Bank of India, I was engaged in onsite and offsite inspection of non-banking financial companies, which involved**

- Analyzing the monthly, quarterly, half yearly and annual returns & annual reports filed by the companies through SAP Business Objects data mining tools.
- Preparation of data sheets for analyzing the functioning of these companies.
- Preparation of the case for de-registration / imposition of penalty for companies violating the guidelines.
- Preparation of the agenda & the data sheet indicating the profile & functioning of the companies, for the meeting with systematically important non banking financial companies and preparation of the MOM post meeting.
- Onsite inspection of the non-banking financial companies.

2007 - 2010

Junior Manager

#### **JSW Steel**

Involved in the installation, testing and commissioning of the Recovery Type coke oven III at JSW toranagallu, subsequently carried out maintenance as Shift-In-Charge and Area-In-charge of various electrical machineries such as

- 01 Nos of 33 KV/ 6.6 KV MSDS comprising of 2 Nos. of 10 MVA transformers, switchyards having outdoor 33 KV VCBs, electrical panels having switchgears comprising of 6.6. KV VCBs, protective relays having incomer interlocks and 6.6 KV outgoing feeders. 06 Nos of 6.6 KV / 440 V substations comprising of 1000 KVA and 500 KVA distribution transformers for power supply and illumination.
- Illumination which includes LED street lights & High masts inside the plant.
- Overhead electrical distribution systems comprising of cables through over head cable trenches and cable alleys in the substations cellar.
- 02 Nos of 6.6 KV DGs having capacities of 1 MVA each for critical loads
- 05 Nos Air Compressors.
- Fire alarm system of the entire coke oven plant.
- Conveyors comprising of motors, PCW, ZSS, BSS as protection. Weighing feeders on the conveyors.

- Coal Crusher with HT motor.
- Stamping station for coal cake preparation.
- Electrical Locomotives for coal and coke handling in and out of ovens respectively comprising of motors of various capacities with VFD and having Siemens S7-300 PLCs for operation.
- By product areas of the coke oven.
- HT motors for blowers and pumps as well as LT motors with soft starters.
- Instrumentation devices such as pressure transmitters, temps sensors, flowmeters, motorized and pneumatic actuators in pipelines.
- Distributed control system for controlling the whole plant operation comprising of Siemens S7-400 PLCs.

## Key Skills

Air Compressor

HVAC

D.g.sets

Chiller Plant

HT Breakers

LT

HT Panels

Drives

PLC Panel

PCC

MCC

PMCC

Power Transformers

Switchgear

Circuit Breakers

Transformers

Electrical Installation

Electrical Maintenance

instrumentation automation and HVAC

## Language

english

Expert

hindi

Expert

oriya

Proficient

santali

Proficient

## Personal Details

Date of Birth

**25th March 1985**

Gender

**Male**

Marital Status

**Married**

Address

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BHALUKIPATLA,  
KEONJHAR -758001**