

## SURYA PRAKASH R M PANDEY

R-3, DAYA JIWAN CH, KOLDONGARI, SAHAR ROAD, PIN NO. – 400069,

ANDHERI (EAST), MUMBAI, INDIA.

+91 8268272509

[srmrk1980@gmail.com](mailto:srmrk1980@gmail.com) , SKYPEID - hello1710980

Gained over 15 years of experience in electrical field having worked on many prestigious projects as industrial projects , on shore / off shore projects , commercial / residential projects in india & oman.

Presently working with Technip FMC for BP Tortue FPSO project located in west coast of south Africa On third part contract

Basic and detailed engineering of the electrical facilities for Process plant Buildings & Non - Plant Buildings for green / brown field projects based on Indian / International code & standard and skills

( Technical skill / software skill / personal skill)

### 1) Process plant Building (Industrial Projects)

Petrochemical, chemical , fiber, fertilizers, pharmaceuticals , food industries, material handling system

### 2) Non - plant Building ( Residential / Commercial / Industrial projects)

Office/ Shop , Residential tower , Commercial building , Admin building , Substations Building , Control Room Building , Workshop

## Technical Skills

- Preparation of electrical design basis & Key Single line diagram.
- For Revamp or Brown field projects study existing electrical design and specifications. develop concept studies and ensure new system are compliant with existing system
- Preparation of electrical master document record which included layout & design documents
- Estimation of Man hours for all Electrical documents / drawings
- Preparation of electrical load list based on Mechanical equipment list , architect layout & instrumentation load list
- Sizing of Equipment –Transformer ,DG (for 100% Backup / 50% backup / Emergency), Electrical power /control Cable, electrical panel , UPS , cable tray
- Preparation of single line diagram (SLD) for power distribution from source of power to utilization of load such as Motor, static device
- Specification & data sheet for electrical equipment as mentioned in annexure-1
- Calculation of fault level of system , voltage drop calculation , Earthing Calculations , lighting Calculations , Lightening Calculation
- Providing input to designer for generating 3D model & reviewing / commenting 3D modeling to give feedback to designer
- Electrical equipment layout / Power layout / Earthing & lightening protection layout / Lighting layout for substation, process plant building, non plant building, control room , OSBL area

- Electrical cable schedule , Local control station (LCS) schedule based on control schematics for motor starter & power feeder , I/O List for MCC , Interconnection / Termination diagram for electrical equipment
- Technical evaluation of bids(offer) based on technical queries & preparation of TBA for Major Electrical equipments & bulk materials as defined in annexure -1
- MR / Vendor documents & drawing review / technical bid analysis as per specification & data sheet for electrical Equipments & bulk materials as defined mentioned in annexure -1
- Preparation of tender document and material take off for annexure - 1
- For Layouts preparation co-ordination with designers , architect , Civil / structural engineers , mechanical engineers , instrumentation engineers / Plumbing Engineers
- Review of mechanical process package vendor drawings & specifications to integrate with electrical system.
- Preparation of construction or shop/ Installation drawings for projects
- Attend clients, architects and site meetings. resolve any technical problems faced during the project design and/ or construction stages and Technical review meeting for progress in organization
- Design of ELV system  
Fire alarm system , public address system like speaker ,security system like video door system and boom barrier, CCTV cameras & communication system like telephone/TV,fibre to the home
- Concealed Conduit layout of lighting including looping diagram & ELV system
- Duties may include extended , but temporary , out - of - town assignments
- Inspection of major electrical equipments at vendor works for particular projects & through third party based on approved quality plan

Annexure no -1

Electrical Major Equipment – Transformer , DG set , Electrical Panels , Electrical Cables , Solar power system, UPS System.

Bulk Materials - Lighting Fixture, Cable tray , junction boxes , earthing and lightening protection materials, cable glands , cable cleats , cable tray fittings.

#### **Code and Standards**

- Indian Standards (IS) , Bureau Veritas (BV) , Oil Industry Safety Directorate (OSID) , National Building Code (NBC) ,Indian Electricity Rule (IE), Central Electric Association (CEA) , International Electro-Technical Commission (IEC) ,National Fire Protection Association (NFPA),British Standard (BS),National Electric Code (NEC) , Institute of Electrical & Electronic Engineers (IEEE) and Relevant Statutory Rules and Regulations

#### **Software skill**

- MS-office , Autocad , ETAP , DIALUX , SKM , Visual for lighting , Naviswork , AMTEC, REVIT

#### **Personal skill**

- Positive attitude , hard working ,work under pressure, leadership quality, good communication , Initiative , planning and organizing , willing to learn new things and adapt the things ,ability to work independently as well as in a team, ambitious and punctual with good attitude , analytical and problem solving skills

## **Profile Snapshot**

Work Experience : 16Year(s)  
Current Employer : TECHANIP FMC (Third party) (from June 2019)  
Functional Area (Role) : Senior Electrical Design engineer  
Industry : Consultancy  
Highest Degree : B.E. (Electrical)  
Passing Year : June 2003  
Current Location : Mumbai  
Preferred Locations : India , UK, USA, Canada, AUS ,UAE  
Date of Birth (Gender) : 17 Oct, 1980 [Male]  
Nationality / Place of birth : Indian / Mumbai  
Marital Status : Married  
Passport number : L5272223 Expiry date - 07-11-2023  
Hobbies : Reading books , listen music , interacting with people , watching sports

## **Projects**

### **Industrial Projects**

- ARP & SRP projects for Bokaro steel ,Jharkhand
- Relocation of savoury for Givaudan (india) pvt ltd, daman
- WNA4 plant for Deepak Fertilizers, taloja (maharastra)
- Expansion project for vinati organic, chiplun (maharastra)
- Flue Gas Desulphurization System for Lanco , Longigard (manglore)
- Viscous staple fiber for Grasim industries – aditya birla , bharuch
- Alumina handling system for aditya birla ,mahan (madya padesh)
- Catalyst for Eurecat catalyst (I) Pvt. Limited , Bharuch
- Mumbai port trust, J5 port
- MRPL project , Mangolre
- IOCL Project – BS VI – HGU , HGT , 3 cut splitter , SWS , ISOM & NON BS-VI – indeselct , control room , substation for guwahati refinery
- Midia gas development projects, ana wellhead platform
- BP Tortue FPSO projects , located in west cost of SOUTH AFRICA

### **Residential & Commercial projects**

- Pallava commercial for Lodha Developers,dombivali (maharastra)
- Residential building for purvankara projects limited , banglore
- Golf city savroli for indiabulls , mumbai
- D'decor headquarters for D'Decor home fabrics pvt. Ltd , mumbai
- Celestia spaces for Peninsula land ltd , Mumbai
- SEEB Ministry for ministry of defense , oman
- Airport projects , Alahabad airport PTB buildings

### **Work Experience**

- Working with TECHANIP FMC (Third Party) as Senior electrical design engineer (JUN 2019 – Till Date) Job Profile : Detailed engineering
- Worked with Jacob Engineering(Third Party) as Lead electrical design engineer (JAN 2019 – May 2019) Job Profile : Detailed engineering
- Sep 2017 – Oct 2018 Free lancer
- Worked with AL Tasnim Enterprises (located – oman) as Senior electrical engineer (JAN 2017 – AUG 2017) Job Profile : Detailed engineering
- Worked with WSP Consultant India Pvt. Ltd as Manager-Technical (Electrical) (JAN 2014 – DEC 2016) Job Profile : Basic and detailed engineering
- Worked with Mott Mac Donald Pvt. Limited as Senior Electrical Engineer (JULY 2011 – DEC 2013) Job Profile : Basic and detailed engineering
- Worked with Chempro Expertise pvt. Ltd as Project Engineer Electrical (MAY 2008 – JULY 2011) Job Profile : Basic and detailed engineering
- Worked with Devson Switch gear Pvt. Ltd. as Electrical Engineer (JULY 2003 – MAY 2008) Job Profile : Design of Control Panels

**I hereby declare that all the details furnished above are true to the best of my knowledge**

**Yours Sincerely,**

**Surya Prakash Pandey**

**Date:-**

**Place:- MUMBAI**