

## CURRICULUM VITAE

### SANTOSH KUMAR

(B-Tech. – Electrical & Electronics Engineering)

Mobile: +91-9773631180

E-mail: san160495@gmail.com



More than 4.5+ Years' experiences in the field of Air Insulated and Gas Insulated Substation Designing and Commissioning up to 400KV Voltage Level.

### Work Profile

**Presently Working with Srex Power India Pvt. Ltd, Noida [21 Sept.2020 To present date]**

**Position Held – Electrical Design Engineer (GIS & AIS Substation)**

**Role & Responsibilities at Pre & Post Order Time up to 400KV Voltage level:-**

- Gas Insulated & Air Insulated Substation Layout Preparation as per CEA /CBIP Guide line.
- KEY Single Line Diagram design for Gas Insulated & Air Insulated substation.
- Protection Single Line diagram design for Gas Insulated & Air Insulated substation.
- Earth mat Calculation & Design for Gas Insulated & Air Insulated substation as per IEEE-80 & IS-3043.
- Direct Stroke Lightning Protection Calculation & Design for Gas Insulated & Air Insulated substation as per IEE-998-1996 & Prof. Rezevig Equations method.
- CT & PT Sizing as per IS-2705, P-1 & Other switchyard equipments sizing.
- Cable Voltage drop calculation as per IS-3961, P-7.
- Bus-Bar sizing as per IEEE-605 -2008 & Cantilever Strength calculation as per IS-802, P-1.
- Control Cable & Power Cable schedule preparation for Air Insulated & Gas Insulated Substation.
- Fault Level Calculation.
- Preparation of details Technical Qualification requirements for all switchyard equipment's (CT, PT, LA, CB, TRANSFORMER, GIS Module & other supporting equipment's).
- Site Visit for Technical Clarification.
- Attending Pre Bid meeting for Technical Clarification Purpose.
- Basic Knowledge of preparation of Technical & Commercial Bid.
- EPC Project Scheduling through MS Project Office Method.
- Preparation of Erection Key Diagram (EKD) for Air Insulated and Gas Insulated Substation up to 220KV Voltage Level.
- Testing & Commissioning of Gas Insulated Switchyard as well as Air Insulated Switchyard Equipment's-  
(GIS Modules, PowerTrafo. ,CT,PT,LA,ISO,CB,ST.Trafo., Control cable and Power Cable ,Equipment's Structure etc.)
- Electrical load calculations for rating selection of Transformer, Diesel generator set, UPS, etc.
- Factory Acceptance Test Inspection visit of Original Equipment Manufacturer works for Air Insulated and Gas Insulated Substation equipment's.
- Illumination Calculation for Indoor& Outdoor Switchyard.
- Client handling at the time of different switchyard equipment's Vendor, Guaranteed Technical Parameters & Drawing approval.

- Review of Vendors Drawings like HT Panels, LT Panels and Transformer etc.
- Coordination with Client / Architect / Other Services Consultants / Contractor / Vendor / Supplier, right from concept stage to execution / commissioning of the project

#### **Major projects completed / being handle-**

- 220KV/33kV Pooling Air Insulated Substation Baranda for Suzlon Gujarat Wind Park Limited.(ENEL Group)
- 220KV HGIS feeder Line Bay (PGCIL)

#### **Past Experience**

##### **SN CONSULTANTS NEW DELHI [05 August, 2019 to 19 SEPTEMBER, 2020]**

**Position Held** – Electrical Design Engineer.

##### **Major projects completed / being handle-**

- 220/33kV GIS Substation for DLF Limited (Gurugram, Haryana)
- 66/11KV GIS Substation for Hero Moto. Crop. Limited (Dharuhera, Haryana)
- 220/11KV GIS Substation TRIDENT Group. (Bhopal MP)
- 220/66kV GIS Substation for DLF Limited (Gurugram, Haryana)
- 220/66kV GIS Substation for AECOM India Pvt. Ltd. ( Gurugram, Haryana)
- 220/33kV GIS Substation for AECOM India Pvt. Ltd ( Gurugram,, Haryana)
- 66/11kV GIS Substation for Hero Moto. Crop. Limited ( Gurugram, Haryana)
- 11/0.433kV Substation for Grain Span Nutrition Pvt. Ltd (Sonipath Haryana)

#### **Past Experience:-**

##### **SKIPPERSEIL LIMITED [21 August, 2017 to 3 August, 2019]**

**Position Held** – EPC-Design Engineer

##### **Major projects completed / being handle-**

- 132/33kV AIS Substation, Kaduna State Nigeria
- 220/66kV GIS Substation, HVPNL (Gurugram, Haryana)
- 220/33kV GIS Substation, HVPNL (Gurugram, Haryana)
- 132/33KV Transmission Line Kaduna State Nigeria
- 33/11KV Line for Togo Project.

#### **Past Experience:-**

##### **CADD CENTRE TRANING SERVICES PRIVATE LIMITED [01 July, 2016 to 18 August, 2017]**

**Position Held-** AutoCAD Design Engineer

## Educational Qualification

- B. Tech. (Electrical & Electronics) from S.V.I.T.S.Indore 1<sup>st</sup> Division Marks in 2016
- Intermediate from Bihar Board with 1<sup>st</sup> Division Marks in 2012
- High school from Jharkhand Board with 1<sup>st</sup> Division Marks in 2010

## Technical and Personal Skills

- Proficient in various Computer Applications i.e. MS Office 2010, 2013
- Proficient in Auto Cad 2010, 2014 and 2016
- MS Project
- Capability of Team Work, Good Presentation and Communication

## Personal Details:-

|                 |   |
|-----------------|---|
| Date of Birth   | 16 <sup>th</sup> April 1995               |
| Nationality     | Indian                                    |
| Marital Status  | Single                                    |
| Language        | English, Hindi                            |
| Address         | Noida Sector-63,UP                        |
| Passport Number | <b>No.T3826302, Valid upto 20.08.2029</b> |

I hereby declare that above written particulars are true to the best of my knowledge.

Place: Noida,UP

Santosh Kumar