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| **SURENDER KUMAR** | **Address:** T1-103, 1st Floor, Puri Pratham, Sector 84  Greater Faridabad, Haryana - 121004  **Contact No.** +91 9716947070, +91 8218781932  **Email ID:** [s.kumar2k7@gmail.com](mailto:s.kumar2k7@gmail.com) |
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**Career Objective:**

Want to be associated with esteemed organization which supports an excellent growth, Orientated Work Culture and fair chance for individual to grow.

**Work-Experience:**

Electrical Designer having 13 years of experience for various design activities such as Detailed Engineering, Design, Front End Engineering Design (FEED), EHT Design, 3D modeling, 2D drafting of electrical systems for Oil & Gas, Oil Sand, Propane Dehydrogenation (PDH), Petroleum Refineries, Power Substation/Switchyard & infrastructure.

**Qualification:**

1. Diploma in Electrical Engineering from RV University, Udaipur, Rajasthan in 2010 (with 66% marks).
2. Auto CAD 2D+3D modeling course from “Computer’s Epitome”, Sirsa, Haryana with grade- ‘A’.
3. Draughtsmanship from Doon Public ITI (NCVT) in 2007 (with 74% marks).
4. Passed 12th from MP Board of Higher Secondary Education in 2004 with (with 69% marks).
5. Passed 10th from Haryana Board of School Education in 2002 with (with 67% marks).

**Key Skills:**

3D modeling of HV, MV, LV & control voltage cable trays, channel trays, electrical supports, underground trench, Duct Banks, Conduits, Lighting Fixtures & Electrical equipment modeling.

Having an in depth exposure in 3D modeling of complete 3rd Generation Modularization Project starting from FEED phase.

Preparation & checking of cable tray layouts, Underground Trench Layouts, Lighting Layouts, Grounding Layouts, Lightning Protection Layouts, Hazardous area classification layouts, E&I room equipment layouts, Fire Alarm system layouts, Public addressable layouts and Extraction of Bulk MTO from layouts.

Cable tray fill calculation, Conduit fill, Indoor & Outdoor Lighting calculation.

Electric Heat Tracing system zoning, design with SR & MI cables & preparation of EHT isometrics, EHT cable schedule, EHT control panel wiring diagram, panel schedule, EHT location plans etc.

**Software Skill:**

CAD Software : Auto CAD, Smart Sketch

3D Software : SP3D, Bentley Auto Plant

Model Review : SPR (Smart plant review), Navisworks

Lighting Calculation : DiaLux

Office Software : MS office

**Summary:**

**Specific Experience:**

**1. Fluor Daniel India Pvt. Ltd., Gurugram, Haryana**

Worked as Electrical Designer from 15-November-2012 to 08-June-2020

**Worked in Projects:**

* Fawley Strategy (FAST) Project, Southampton, UK
* Tengizchevroil Future Growth Project, Kazakhstan.
* Valero Quebec, Jean Gaulin Refinery extension, Canada.
* Al-Zour, Kuwait Integrated Petrochemical Industries, Kuwait.
* Inter Pipeline Propane Dehydrogenation (PDH) Plant, Canada.
* Suncor Forthills, an oil gas & chemicals project, utility & offsites, Canada, client: Suncor Energy Ltd., Canada.

**Roles & responsibility**:

1. 3D modeling of cable tray, channel tray, electrical supports, E&I room equipments, lighting fixtures, motor control station, convenience receptacles, welding receptacles, underground trench, underground duct bank, conduit, EHT power JBs, RTD modeling modeling and cable routing in SP3D.
2. Preparation & checking of Electrical & Instrumentation Room Equipment Layouts, Process Plant Electrical Layouts, Single Line Diagrams, Cable Tray/Trench Routing Layouts, Hazardous Area Classification Layouts, Lighting Layouts, Siring Diagrams, Earthing Layouts, Fire Alarm System Layouts, Extraction of Bulk MTO from Layouts, Standard Installation Details.
3. Cable tray fill calculation, indoor & outdoor lighting calculations, MTO preparation.
4. Electric Heat Tracing (EHT) System zoning, design, preparation & checking of EHT isometrics, EHT cable schedule, EHT control panel wiring diagram, panel schedule & EHT power layouts.
5. Leading the Electrical CAD team to distribute the work assigned by engineers, and taking the final output from CAD team and checking the drawing to ensure all CAD standards are followed.

**2. Bechtel India Pvt. Ltd., Gurugram, Haryana**

Worked as Electrical Designer from 27-Feb-2012 to 14-Nov-2012

**Worked in Project:**

* Surmont Ph-2, an oil gas & chemicals project, SAG D process, client: ConocoPhillips Canada (CPC), Canada

**Roles & responsibility**:

1. 3D modeling of EHT Skid, Power JBs & RTDs in SP3D.
2. Preparation of electric heat tracing isometrics.
3. Preparation of typical heat tracing system standard installation drawings indicating how heating cables will be installed on pipelines, valves, strainers, pumps & pipes supports.

**3. A2Z Maintenance & Engineering Services Ltd., Gurugram, Haryana**

Worked as Engineer – Design from 12 Nov. 2007 to 25 Feb. 2012

**Worked in Project:**

* Neutral/tertiary formation of 7 Nos. single phase, 500 MVA, 765/400 KV auto transformers at Jathikara, Meerut & Bhiwani, India, Client: Power Grid.
* Construction & design of 07 nos. power S/S in Rajasthan, Pkg. 292, 294, & 267, Client RRVPNL.
* 12 nos. 220/132/33 KV Power S/S in Maharashtra, (Package 703A, B & C client MSETCL.
* 220/132/33 KV Grid Substation at Begusarai, Bihar, client BSEB.
* 220 kV Warora S/S bay extension, client Wardha Power Co. WPCPL.
* 06 nos. 220/132/33kV Power S/S in Maharashtra, (Package 804A & C), client MSETCL.
* 02 nos. 220/132/33kV Power S/S in Maharashtra, (Package 901B & C), client MSETCL.

**Roles & Responsibilities**:

1. Preparation of substation layouts such as single line diagram, plan & sectional layout, cable trench layout, control room cable tray & cable trench layout, erection key diagram, DSLP layouts & control room equipment layouts.
2. 33/11 KV Line- HVDS –as per REC.
3. BOQ preparation for 220/132/33kV substation, compiling accurate & efficient estimation for the projects.

**4. ABB Ltd., Faridabad, Haryana**

Worked as Electrical Draughtsman from August 2007 to Nov. 2007

**Worked in Projects:**

* IT Park Phase 2, Client Delhi Metro Rail Corporation (DMRC

**Roles & Responsibilities**:

1. Preparation of as built drawings for internal lighting, & power layouts, looping, conduiting, circuiting, DB detail, cable tray layouts, fire detection & alarm system layouts and public addressable (PA) system layouts.

**Declaration:**

I hereby declare that the information furnished above is true to the best of my knowledge & belief.

Thanks and regards

**SURENDER KUMAR**