

Dipak Kumar Singh
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Communication Address
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Delhi:-110044

OBJECTIVE:

Seeking a position as an electrical engineer in the field of the electrical design, engineering, manufacturing, installation and commissioning where my knowledge, creativity and personal skills can be employed & developed.

CAREER SUMMARY:

Experience Summary:-

Having 4.3 years of experience as Electrical Design Engineer in Engineering & Design of LV & MV Projects.

Assets:-

April 2015 – Present: Sr. Electrical Design Engineer (Projects)

M/s. VSM Venture Control Systems Pvt. Ltd (a premier channel partner of ABB) Noida, Uttar Pradesh

Key Responsibilities:

- Handled the tasks of reviewing technical drawings/topographical maps and specifications of electrical systems.
- Review of Engineering Submittals i.e. Project Drawings, Vendor drawing & Vendor Materials Submittals.
- Responsible for preparing specifications for purchase of electrical equipment's and materials.
- Responsible for ensuring that the design, equipment specifications and compliance follows the safety standards of the organization.
- Responsible for coordinating with external and internal stakeholders
- Updated daily report of the activities of electrical department to the Project Management team.
- Coordination and follow up with client for getting approval of project drawing & document.
- Coordination with purchase department to selection of switchgear at the stages of submitting offer.
- Responsible for interacting with various departments internally & externally like finance/accounts, legal, contracts, planning etc.
- Take all support for tendering activity and compiling a complete & optimal Techno-Commercial bid.
- Participate in design review and design freeze meetings and ensure the corrective actions.
- Preparing Project Budgets, Cost Control Reports, Cash-flows, Monitoring Costs, generate Variance Reports.
- Support in claim negotiations and preparation of relevant documents.
- Support to standardization/cost out efforts.

Engineering Skills:-

- Design, Engineering & Selection for MV Board/PCC/PDB/PMCC/MCC//APFC/PLC/CD/DRIVE Panels.
- Selection of Ac & Dc Drives/Converters/Filters/Dynamic Brake Resistors/Transformers//PLC/I/O modules.
- Selection & Sizing of Switchgears, Bus bar, Transformers, Capacitor bank, Power & Control Cable.
- Calculation of voltage drop & Short Circuit.
- Designing of All type of power & controls schematics.
- Preparation of cable schedule, plant load list schedule & site survey report.

Projects Undertaken:-

Engineering, Design & Developing Complete Electrical control system for following projects.

- **Push Pull Pickling line (M/s. TENOVA)**
- **Galvanized line (M/s. BHUSHAN STEEL)**
- **Slitting Line (M/s. JSW)**
- **Paper Machines (M/s. N.R. Agarwal Industries)**

Key Responsibilities:

Responsibilities may be involved in all parts of the design and development process or just one particular stage. While the work can vary according to the industry, common tasks include:

- Understanding client requirement & reading design specifications and technical drawings.
- Preparation of Project Bill of Material (BOM) and estimating costs and timescales.
- Preparation of Project GA & SLD in Auto CAD, along with all relevant calculations such as Short Circuit level, Sizing of the Bus Bars, Voltage drop calculations, Selection of Components, Preparation of Control Schemes.
- Selection & Sizing of electrical equipment like Transformers/Capacitor Bank/Junction boxes/DC cable/Battery/UPS/Inverter/Power cable/Control cable/Switchgears/Protection & Metering CT & PTs, ACSR conductors/earthing/lightning/lighting etc.
- Preparation of specification of all electrical components.
- Performing pre-tendering work such as preparing of pre-qualification documents following up to get the Tender enquiry & Evaluating tender documents, drawings, & schedules.
- Estimation & bidding of all type of electrical infrastructure, Residential, Commercial, industrial and public utility projects.
- Floating Enquiries to Suppliers / Manufacturers.
- Comparison Studies based on suppliers Quotations.
- Negotiations with suppliers on both technical and commercial aspects of product.
- Based on Clients budget constraints for any specific project, carrying out Value engineering studies.

Engineering Skills:-

- Engineering, designing, developing & testing of Electrical control panels i.e. LV BOARD, PMCC/PCC/MCC/AHU/APFC/MLDB/MCRD/CRP & Control Desk for cement plant, thermal plant, substation & utility applications.
- Engineering, designing & Functional testing of Power Distribution Panels i.e. ACDB/DCDB/LVDB/MLDB Combiner Box for Solar Plant.
- Design of power & controls schematics of various motor starter circuits such as DOL, RDOL, Star-Delta starters.
- Design and Selection of Power Cable, Control Cable, Earthing Strip, Cable Tray & Gland Lug's.
- Erection, Functional Testing & Commissioning of LV & MV switchgears, Control & Relay Panels, Transformers, UPS Battery charger, ACDB, DCDB, MLDB,VFD & PLC system.
- Erection, Functional Testing & Commissioning HT motors, LT motors, Conveyor Safety Switches,Zero Speed, Belt Sway, Pull Chord, Belt Drift, Limit Switch), RTD's, Transducers, Thermocouple, Solenoid valves, Pressure Transmitter, Level Sensors, Load Cell, Tachometer, Pressure relief valves, Pressure Gauge, Metal Detectors & Magnetic Separators etc.

Projects Undertaken:-

- 1) **500 TPD Cement Plant** for client **M/s Reliance Super tech Cement Nepal**.
Responsibilities: Design, Engineering, Supply, Delivery, Installation, Testing & Commissioning of Panels i.e. MV Board, PMCC, PCC, MCC, PLC, APFC, & Variable frequency Drive (VFD).
Erection & Commissioning of outdoor Power Transformer (**3.0MVA, 11/6.6 KV**), Distribution Transformer (**1.25MVA, 6.6/0.415KV**), **11KV** CNR Panel, **6.6KV** (Motor, Capacitor panel & Distribution Control Panel).
- 2) **Bucket Wheel Stack Reclaimer for Thermal Plant (Capacity 2860 TPH) for client M/s Jaypee Group**.
Responsibilities: Design, Engineering, Supply, Delivery, Installation, commissioning of control Panels i.e. APFC, PCC, MCC, PLC, MLDB, MCRD, RIO, Control Desk, Rail clamp & Variable frequency Drive (VFD).
- 3) **33KV Control & Relay Panel** Client **M/s In ox Wind Limited, Noida**
Responsibilities: Design, engineering, testing, delivery at site of control and protection relay panels inclusive of internal wiring and with arrangement for external connection to various Switchyard equipment.
- 4) **AMF, FIRE FIGHTING, DCDB & LVDB** for Client **IOCL/Scope Minar/Angelique/Beumer & Lucky Export**.
Responsibilities: Responsible for costing, design, engineering and functional testing of Distribution Board.
- 5) **Airport Baggage handling system (Tirupati & Vadodara Airport) for BEUMER GROUP**.
Responsibilities: Supply, Design, Engineering, Manufacturing & Functional Testing of LT Panel i.e. PDB, Main Panel, Remote Panel, Remote Boxes for Arrival & Departure System for Airport.
- 6) **Truck Loader system (Cement plant application) for FLS MIDTH, Beumer & Lucky Export**.
Responsibilities: Supply, Design, Engineering, Manufacturing & Functional Testing of TRUCK Loader Panel.

ACADEMIC QUALIFICATIONS:

- Bachelor Degree [2013] with aggregate of 66.78% from Uttar Pradesh Technical University.
- Intermediate [2008] with aggregate of 72% from SSB Inter College.
- High School [2006] with aggregate of 68% from SSB Inter College.

INDUSTRIAL EXPOSURE:

- Attended 45 days Industrial training from **National Thermal Power Corporation (New Delhi)** in Operation and Maintenance of Switch Gear Department.
- Final year internship on **Four Quadrant Speed Control of DC Motor**. Worked on Design & Development of Instrument for Controlling DC Motor in Four Quadrant mode.

COMPUTER PROFICIENCY:

- Proficient in AutoCAD 2016 & E.plan P8 2.2 Version.
- MS Office (Word, Power Point, Excel).
- Programming Languages known: C, C++.
- Operating System: Windows 8/7.

EXTRA CURRICULAR ACTIVITIES:

- Presented a seminar and prepare project topic "**Four Quadrant Speed Control of DC Motor**" and received the award for "Best Presentation".
- Member of the committee to organize the seminars, game & event i.e. Enigma, Tec fest at College Level.

STRENGTHS & HOBBIES:

- Commitment to Quality & Results.
- Sincere in Attitude.
- Positive & Professional attitude.
- Personal & Leadership Skill.
- Listening to music.

PERSONAL PROFILE:

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|-------------------|---|---------------------|
| • Name | : | Dipak Kumar Singh |
| • Father's name | : | Santosh Kumar Singh |
| • Mother's name | : | Baby Singh |
| • Date of Birth | : | 01/08/1992 |
| • Languages known | : | English and Hindi |

DECLARATION:

I, hereby declare that all the above given information is true to the best of my knowledge. I am responsible for any discrepancy found.

Date: 21/10/2017

Dipak Kumar Singh