**E-Mail:** [**ashishtiwari1512@gmail.com**](mailto:ashishtiwari1512@gmail.com)**Phone : +91-9755901398**

|  |  |
| --- | --- |
| **ASHISH TIWARI**  Targeting assignment in **Electrical Engineering projects design & installation** with the organizations | |
| **Profile Summary**   * A competent professional with **nearly 6 years** of experience in Electrical MV/LV System design and AIS substation project installation, Solar system installtion, Cable & Busbar selection, MV/LV Panel Design and installation, substation designing & Automation, Testing & Commissioning of Electrical equipments, substation & Transformer & HT/LT Breakers Testing, having good hand in customize equipment design, material quality assurance, quality control. * **Expertise in:** * Electrical system design, Fire Alarm security system, Power system Analysis, Various types of electrical HT/LT switch gear design & testing, Transformer Testings, HT/LT Cable Testing & study like Harmonics analysis, Relay coordination, Earthing system design. * Analyzing cost, failure rate, lifecycle, repeated faults, breakdowns and various types of data related to our electrical department. * Budgeting, inventory management, Safety assessment, Team & Man Power Management, vendors relationship. * Insightful knowledge of AUTOCAD, MATLAB, NOW, ERP Software and MS Office. * Experience in formulating various formats and schedules for plant maintenance activity & MIS data sheets like Power Consumption, Material Budget sheets, and Store Inventory Management sheets and other records. * A keen planner with proficiency in enhancing the Project process operations, optimizing resource utilization, escalating project work efficiency.   **Employment Details**  **Jan’12 to Present**  **Vardhman Fabrics Limited as a Senior Electrical Engineer.**  **Key Result Area:**   * **Projects:-** * Project planning & schedules and monitoring projects with respect to cost, resource deployment, time overruns and quality compliance to ensure timely execution of projects. * Review of Electrical SLD, GA Diagrams, & IS/IEEE/IEC Standard for electrical system design & installation. * Project costing and capital & revenue budgeting. * Daily report of power consumption, Safety Audits, project inventory. * **Power Analysis & Documentation:-** * Maintaining MIS data sheets like Power Consumption, Material Budget, and Store Inventory Management. * Electrical Equipment health audits as per ISO/IEE/IS standard. * Energy conservation by various studies and New technologies. * Taking stringent quality measures including preparation of necessary documents to ensure compliance with quality standards & customer requirement. * **Man Power Management:-** * Ensuring that the teams adhere to all the quality standards and procedures through precision/ calibration and monitoring sessions. * Implementing various measures and organising various training programs in coordination with training teams to optimise and take corrective actions on the basis of quality checks. * Developing methods and validating analytical systems i.e. rigorous testing of the methods to ensure that they are precise, accurate, reproducible, "fool-proof"& specific to the product and so on   **Highlights:**   * Implemented Environmental, Health & Safety (EHS), OHSAS, HIRA, ISO-14001, ISO-18001, Best Practices and ensured world class safety standard at site. * Projects Capital & Revenue Budgeting/Inventory Control/Cost Reduction. * TPM / 5s / TPM Pillars / QC Tools / Kaizen/Poka-Yoke/Documentation.   **Equipment Purview**   * 132/11 KV Substation & Transmission line installation & substation designing with all field testing and commissioning of Transformers & VCB type HT Breakers. * Maintaining 60 MW Electrical distribution system of plant with all periodic maintenance and operation also. * Sound knowledge of electrical SLD & electrical layouts drawing of electrical equipment. * Installation experience of 35 MVA,11KV/440V indoor/outdoor type substation With 2.5 MVA Distribution Transformer’s with all field testing and Transformer Maintenance activities also. * Knowledge of ABB & Siemens make numerical relays & PILOT wire, OV/UV Relay, Transformers protection relays. * Installation & testing of ABB 11kv MCC & LV PCC Panels with Breaker high pot & other field testing. * According to Connected Load HT & LT cables & Busbar size calculation and cable tray structure and have experience in HT/LT Cable testing, proper Laying processor and repairing with joint kits & also knowledge of various types of cable joints. * Installation of substation HT/LT PCC Panels with QAP & Quality check. * Experience of H.T. 11Kv 1.1MW, 6000 CFM Compressor’s ATLUS COPCO & IR. * KVAR/APFC & Harmonic filter panel to reduce Harmonic level & power factor of the plant. * **Various types of Electrical Equipment:-** * Types of Breakers like VCB, ACB, MPCB, MCCB, ELCB, RCCB and SFU. * Power Capacitors, Reactors, Harmonics Filter, SPAJ 140, SPAM, ETU Relay. * CT, PT, Energy Meter, APFC PF Meter. (Schneider, Siemens. FRAKO Make) * Electrical Panel All Types Of Supporting Accessories. * Transformer & electrical panel & Motor Protective Equipment. * Battery Charger, UPS, SMPS Power Supply. * Plant Lighting equipment Design like Energy Saver, LDB, wiring design as per load and LUX level Monitoring with Schedules.   **Experience of different makes VFD** (Variable Frequency Drives) with Testing processor, operation & parameter programming and online support activities. (Danfoss, Mistubishi, Lenze, Siemens)   * **Electronic Equipment:**- * Power IGBT, Registers, Micro capacitors, IC’s, Electronic Relays. * Electrical & Electronic Relays. * Troubleshooting of Electrical equipment faults & alarms, life cycle based replacement and maintenance. * Multi-Meter and Clamp Meter of Fluke , Krykard make. * Power Logger of Fluke and Krykard Make for Harmonics and other electrical studies. * Fluke make IR Thermometer and Thermal Imager for Equipment health and temperature monitoring. * BDV tester for transformer oil testing. * Cable fault locator to troubleshoot underground cable faults.   **Education**   * **2016 -**Master of Engineering (Power System) from IES College of Technology, R.G.P.V. University, Bhopal (M.P.) with 78.8% * **2011 -**Bachelor of Engineering (Elect. & Elex) from All Saint College of Technology, R.G.P.V. University Bhopal (M.P.) with 69.75% * **2006 –** Class XII from Saraswati H.S. School, M.P. Board with 69.11% * **2004** – ClassX from Saraswati H.S. School, M.P. Board with 64.5%   Thanks  **Ashish Tiwari**  **19/7/2018**  Key words:- Project Installation, Transformer, HT/LT Motors, VFD, Switchgear, Preventive Maintenance, Predictive Maintenance, Solar Power, Hydro Power, Electrical Engineer, Power system Analysts, Substation designing, Lighting design,  Earthing System, Cable sizing & Calculation,MTTR,MTBF, | **Core Competencies**  **Project Installation**  **Team Management**  **Quality Assurance & Control**  **Operations & Maintenance**  **Reporting & Documentation**  **Resource Management**        **Personal Details**  **Date of Birth:**15th December 1988  **Languages Known:** English and Hindi  **Address: C/O RAM KUMAR PATHAK, Tiwari colony , ITI Road, Hoshangabad 461001** (M.P.) |