**Nikhil**

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**Summary**

Graduate in electrical engineering with **20+** years of experience in Basic/Conceptual design, detail engineering, procurement, construction, commissioning of electrical equipment,supervision and design implementation of different projects.

**Roles & Responsibilities:-**

* Sizing of various substation buildings and finalizing their location in plot.
* Preparation of conceptual 33 kV switchyard layout including switchyard control building.
* Preparation of design Basis, work instruction, tender documents etc.
* Preparation of inquiry and purchase specifications, data sheets for various electrical equipment such as transformer, LT Switchgear, HT/LT Cables, local control stations, lighting luminaries, small power and lighting distribution boards etc.
* Technical evaluation of various electrical equipment &Inspection of various electrical equipment
* Review, evaluation and approval of vendor drawings.
* Prepare calculations like transformer sizing, HV & LV cable sizing, earthing, lighting calculations with vendor oriented software or long hand calculations, lightning protection calculations, Tray/Trench sizing calculations etc.
* Preparation of schedules (Load schedule, Cable schedules, Drum schedules etc)
* Designing of electrical Single Line Diagram for distribution system, selection of LT switchgear, HT/LT cables, distribution panels etc.
* Preparation of substation building layouts, cable routing layout, power, earthing, lighting and lightning protection layouts for various plant areas in co-ordination with piping / civil Discipline.
* Co-ordination with civil, piping, instrumentation, mechanical, process for designing the plot plan, substation location, equipment layout, cable routing Layout.
* Review of inter-discipline documents and drawings.
* Coordinating with client and contractor on site issues.
* Supporting a team of engineers & designers to execute technically correct project for successful delivery within budgeted man hours & schedule

**Key Skills**

* Project Management, Resource Management.
* Substations HV Breaker Maintenance.
* Energy Conservation Exposure
* System Troubleshooting & Servicing
* Distribution System Maintenance
* Shutdown & Breakdown Maintenance
* QA & Safety Management
* Manpower Planning and Management
* Strong Work Ethic & Motivational Skills
* STP / WTP , Hydro Pneumatic system Installation, Operation & Maintenance
* Waste Water Treatment Plant O & M

**Software Skills**

* MS Office & Windows OS (95/ 98/ 2000/ XP/ 10)
* AutoCAD (2010 & 2012)

**Professional Experience**

1. **Chempipes Engineering Solutions, Pune**

**Designation :** Electrical project Head

**Duration :**Jan 2017 to till Date

**Job Profile:**

* Cost Estimation for 33 Kv Substations, for Ministry of Oil and Gas Dhahra, Tripoli, Libya
* Installation Cost Breakup Summary for Riyadh Metro Lines 4, 5, 6 Saudi Arabia.
* Maintenance of 11 kV SF6 Breaker control panel at MSEDCL Substation, Pune
* Maintenance of 33 kV SF6 Breaker at Nortel, Pune
* Fault Finding & servicing of 11 kV breaker control panel at MSEDCL substation, Pune
* Cost estimation for 1MW solar power plant – Grid connected Sayaji Hotel, Pune

1. **Kumar Properties, Bangalore**

**Designation :** Electrical project Head

**Duration :** Dec 2013 to Dec 2016

**Job Profile:**

* Obtained 100% accuracy in the installation & commissioning of electrical components, firefighting equipment, elevators, HVAC, STP, WTP, Hydro Pneumatic Systems etc.
* Achieved excellence in coordinating with consultants, vendors, contractors & technicians for the smooth operation of projects, and at the same time liaising with local authorities for electrical power / water supply.
* Set benchmarks for other in handling works related to bill certification & validation

1. **Protex Engineering Pvt. Ltd., Pune**

**Designation :** GM Electrical project

**Duration :** May 2012 to Sep 2013

**Job Profile:**

* Project Management Consultancy
* Estimation for HVAC, Electrical Projects.
* Documentation for Pharmaceutical HVAC projects.
* Validation for HVAC for Pharmaceuticals.
* Service Documentation & Support
* Service support for Data Centers, Software parks – HVAC & Electrical.
* O & M of Chiller plants for Automobile, Software and Commercial sector.

1. **Vansum Industries, Pune**

**Designation :** AGM (Facilities & Maintenance)

**Duration :** Aug 2007 to Apr 2012

**Job Profile:**

* Set newer records in the maintenance work of UPS’s, DG sets, transformers, HV substations, HVAC, EPABX, elevators, security systems, data centers & other IT Companies.
* Surpassed milestones in designing gear system for chemical reactor with a variable frequency drive that drastically reduced scope of breakdowns for their one of the sister concern Company Reshmika Minerals & Chemicals Pvt. Ltd.
* Electrical Designing & installations for Reshmika Minerals & Chemicals Pvt. Ltd, Panoli, Gujarat.
* Substation Installation for 2.5 MVA transformer for IT Park.

1. **Medha Engineering, Pune**

**Designation :** Managing Director

**Duration :** Feb 1997 to May 2007

**Job Profile:**

* Electrical EPC Contractor in Pune
* Installation & Commissioning of HV Substations.
* Accredited for efficient management of BMS, CCTV, access control and fire alarm systems, apart from finalizing the tenders for new projects.
* Kicked off meetings project with sheer efficiency
* Liaising for HV / LV connections for commercial & Industrial Companies
* O & M of Electrical systems at Substations & IT Parks.

1. **Transchem Ltd., Pune**

**Designation :** Asst. Manager

**Duration :** Mar 1995 to Feb 1997

**Job Profile:**

* Enhanced uptime of substation, HV/ LV panels, canning machineries, AHUs, 750 ton chiller plant, DG set, transformer and boiler by 30%
* Successfully commissioned and installed mushroom cultivation projects with a team of 40 technicians & engineers.
* Installation & Commissioning of HT Substation for 2.0 MVA Transformers.
* HT Breaker Maintenance.

1. **Finolex Industries, Pune**

**Designation :** Asst. Engineer

**Duration :** Oct 1994 to Feb 1995

**Job Profile:**

* Met maintenance targets of DG sets (500KVA x 4 NOS), pipe extrusion machines, air compressors, and water pumps etc.HT Substation Operation & Maintenance.

1. **Paranjape Metal Shapers Pvt. Ltd., Pune**

**Designation :** Asst. Engineer

**Duration :** Feb 1992 to Feb 1994

**Job Profile:**

* Ensured considerate perk-up in operational efficiency of cast iron foundry, Shot Blasting and CNC machines, molding machines & induction furnaces

**Projects**

* Nortel, Pune – 33 Kv sf6 Breaker revamping
* Riyadh Metro Lines 4, 5, 6 Saudi Arabia. – Cost Estimation.
* MSEDCL Substation, Pune – 11 / 33 kV Breaker Control Panel Faultfinding.
* Ministry of Oil and Gas Dhahra, Tripoli, Libya - 33 Kv Substations.
* VERITAS Software ( I ) Pvt. Ltd, Pune – Total Electrification, Fire Alarm System, Access control system, CCTV system.
* Iridium India Ltd, Pune – BMS System.
* Ruby Hall Clinic, Pune - BMS, Power Audit with Honeywell Ltd
* Coca Cola Bottling Plant, Bharatpur, Nepal – HVAC EPC Project, Fire Alarm System.
* Cognizant Technologies Ltd; - Fire Alarm System with Honeywell Automation Ltd
* Infosys Ltd – Fire Alarm System, Access Control System with Honeywell Automation Ltd.
* Tata Consultancy Services – O & M of UPS, Electrical systems.
* Cipla Ltd, Pune – Fire Alarm System with Honeywell Automation Ltd
* Reckitt Benckiser Healthcare India Private Limited, Himachal Pradesh – HVAC project.
* HSBC Ltd, - CCTV, Access Control System with Honeywell Automation Ltd.

**Achievements**

* Underground 11 kV cable laying 2.5 km using moiling machine in limited time span successfully.
* Timely completion of 750 Apartment Project ‘Prince Town’ in Bangalore with All MEP works & hand over to clients
* Awarded by the Reshmika Chemicals Pvt. Ltd. for Saving Power & Breakdowns by modifying Gear Box Application of Variable Frequency Drive to Reactor Vessel
* Got appreciated by management at Paranjape Metal Shapers - Foundry for modifying of Semi-Automatic Core Making Machine to reduce production loss.
* Special Training from Inductotherm India Ltd for Induction Furnaces.

**Educational Qualifications**

* Completed BE – Electrical from Emperial Institute of Management, Science & Research
* ( Delhi ) in 2016
* Completed Diploma in Electrical Engineering from Government Polytechnic, Ratnagiri (Maharashtra) in 1991

**Personal Details**

Date of Birth : 27th Nov 1972

Languages Known : English, Hindi and Marathi