

## CURRICULUM VITAE

PRAJWALA SHRIKANT TODKAR

704, Tower4, Swadeshi Complex, Chunabhatti Station, Mumbai, 400022

Phone: + 91 8976163280 / +91 9766176531

Email: [p.prajjwala@gmail.com](mailto:p.prajjwala@gmail.com)

***In quest of career enriching opportunities in design and engineering analysis of Electrical System in a growth oriented organization***

### PROFESSIONAL SYNOPSIS

- A dynamic professional with **over 5 years** of experience in Tata Power Engineering & Project Management Departments.
- Presently working as Lead Engineer in **Tata Power Company Ltd.**
- Experience in engineering for procurement of various electrical equipments.
- Experience in working on **EPC projects**.
- Experience in preparation of documents like Technical Specifications, Data Sheets, Concept Notes, DPRs, Technical Evaluation Reports, Design Guidelines, Interconnecting cable schedules, lighting layouts, earthing layouts, Check lists for drawing approval, SLDs, Plan & section layouts, protection schemes.
- **Experience of working with multi-disciplinary approach** so as to complete the assigned tasks in close coordination with multiple groups like Mechanical Group, Civil Group, QA Group, Testing Group, Operating Divisions, Various Vendors, Sub-Vendors etc. in order **to meet the project targets within the deadlines**.
- Experience of preparing Project schedule, planning engineering activities as per schedule & achieving milestones as per schedule.
- Finding engineering & cost effective solutions for various issues raised during project.
- **Experience of working as Project manager for team of 13-15 members-** Finalization of project scope, project schedule, managing & allotting work to team members, managing project deliverables as per schedule, interacting with cross functional teams, managing change in project scope, conveying change to vendors, Preparation of project progress reports, monitoring projects progress, update project progress to senior management, conducting project co-ordination meeting with vendors, sites, consultants. Managing scope of consultants. Providing cost effecting feasible solutions for the problems struck during course of projects. Planning the inspections a per quality requirements
- Obtaining statutory approvals like **Electrical Inspector** approval for various projects.
- An effective communicator with excellent relationship management skills and strong analytical, problem solving & organizational abilities; possess **sound logic development skills**.

**Tata Power Company Ltd.**

### WORK EXPERIENCE

**5 Years**

☛ **Lead Engineer- Project Engineering**

☛ **Technical-**

- Preparation of Technical specification & BOM for electrical items like Power Transformer, 33kV Gas Insulated Switchgear, Lightning Arrester, Potential Transformer, Isolators , Motors, LT cables & other electrical equipments required for switchyard.
- Preparation of Technical specs & BOM for substation EPC project

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- Preparing SLD, Plan & Sections Layout with reference IS & IEC standards & site requirement.
- Preparation of floor wise equipment layouts, lighting calculations, lighting layouts, 415V main & Sub ACDB SLDs, 220V main & Sub DCDB SLDs
- Preparation of Earthing calculations, cable sizing calculations, Battery-Battery Charger sizing calculations.
- Preparation of Protection scheme required for HV / EHV substation (CR Panel scheme).
- **Preparation of Cable Trench Layout, Cable route, Cable Termination**
- Preparation of Technical specs for Battery & Battery Charger. Review of data sheets & drawings for Battery & Battery Charger
- Review of design drawings and documents required for substation execution prepared by contractor.
- **Review of civil /architectural specs for Building construction.**
- **Fire protection of switchyard as per FIR NOC**
- **Designing of Switchgears for RSS building, lighting layouts for building & out door area.**
- **Review of floor wise architectural layouts for building**
- Review of Technical offers.
- Finalization of load for RSS & finalization of operational philosophy for shifting of load.
- Involved in vendor approval procedure.
- Worked on review & modification of **'Mumbai Islanding scheme.'**
- Preparation of DPR for **MERC** approval of various projects.
- Preparation drawings for Electrical Inspector approvals.
- Preparation checklists & design guidelines.
- HAZID-HAZOP studies
- Attended **Inter National Conference on Transformer-** held by CIGRE & CBIP at Delhi.
- Handled the project –**'Replacement of Power Transformers in RSS'**- BKC, Borivli, HDIL
- Handled project of **'Installation of 33kV GIS'** at Backbay, Carnac, Malad RSS
- Worked on **'Replacement of EHV equipments in Switchyard'**- PT, GOD,LA
- Worked on **3 X 67.5MW CPP Kalinganagar** for Electrical Package.
- Worked on 132kV **'Palaswadi Solar Power Project'**
- Working on **Construction of RSS building for Versova- Engineering Manager.**
- Currently working as for **Versova 145kV RSS.**
- Currently Working as for **Vikhroli 145kV RSS.**
- Currently working on **100MW Solar Power Project Pavagada, Karnataka.**

### ☛ **Managerial-**

- Worked as Internal auditor for ISO audit.
- Worked as Team leader for Improvement Projects in Dept. projects for consecutive three years.
- Worked as lead role on newly adopted document management software-WRENCH
- Worked as a leader for co-creation of HR policies- Project SHR initiative.

## CORE COMPETENCIES

- **Work exposure and experience in all phases of the project** i.e. conceptualization, preparing DPRs with multiple alternatives, selection of the most optimum alternative, cost & time schedules, packaging philosophy, technical specification preparation individual equipment / systems, Involvement in Project planning and Scheduling Activities, man-hours estimation, Procurement of electrical equipment, including preparation/review of datasheets, carrying out technical bid evaluations, review of vendor documents, review of civil foundation drawings for various equipments, review of Architectural drawings for building, review of architectural drawings for Pump house, finalization of cable routes, expediting, support for erection and commissioning activities etc
- **New vendor introduction**, factory visit for manufacturing process review, certification of vendor, processes of vendors , verification of vendor TTR & quality documents.
- Expertise in Coordination between various client, vendors, consultants and site team
- Strong analytical skills with ability to quickly understand client's business needs.
- Successfully handled the responsibilities as Lead electrical engineer in executing the project.
- **Organizing Technical Workshops**, finalizing topics, identifying speakers, approaching speakers, finalization of venues.
- Involved in preparation of **standard formats** for various engineering in house documents.
- Involved in preparation & review of EPM process for engineering projects.
- **Softwares known:** - Auto CAD
- **Document Management Application:- WRENCH**

## EDUCATION

- **Introduction & Familiarization training of Thermal Power Plant** from NPTI Nagpur in Jul-2011-Sep 2011

Examination	Institute	Year of passing	Percentage
B.E.	Walchand College of Engineering Sanglii.	2011	7.48 (CPI)
HSC	L.G.R. Purohit Kanya Prashala, Sangli	2007	87.66%
SSC	L.G.R. Purohit Kanya Prashala, Sangli	2005	89.06%

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### ACHIEVEMENTS

#### Professional Highlights:-

- Received Rewards **for speedy finalization Technical Parameter & bid evaluation for Versova 145kV EPC Project.**
- Was appreciated for ' Review & Modification of Mumbai Islanding Scheme'

#### Academic Highlights:-

- District rank 18<sup>th</sup> & 11<sup>th</sup> for 4<sup>th</sup> & 7<sup>th</sup> standard **Scholarship Examination.**
- District Rank 4<sup>th</sup> & 2<sup>nd</sup> for **Maharashtra Talent Search Examination** in 8<sup>th</sup> & 9<sup>th</sup> standard resp.

### PERSONAL DETAILS

- Discipline : Electrical Engineering
- Date of Birth : 6<sup>th</sup> September 1989
- Gender : Female
- Nationality : Indian
- Preferred Location : Pune
- Passport No. : J3398665

### REFERENCE

- Mr. Aditya Jain.- **Former Chief Project Engineering, Tata Power- 9223530262**
- Mr. Jayant Tiku.- **CEO & ED Powerlinks, Transmission, Ltd- 0223704102**
- Mr. Suresh Katti- **Assistant -VP at Aditya Birla- 9994476888**

### DECLARATION

I hereby declare that all information provided is factual and correct to the best of my knowledge and belief.

**Prajwala Shrikant Todkar.**