

Vijay T. Sonavane

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Assignments – Electrical EPC Projects

With 18 years of cross-cultural experience in the areas of:

- Electrical Design Engineering - Project Management - Commissioning
- Detail engineering of electrical **EPC** projects.
- Currently associated with **Schneider Electric India Pvt Ltd** as DGM.
- Excellent design engineering, relationship management, interpersonal, analytical and negotiation skills with deftness in swiftly ramping up projects in co-ordination with clients & consultants.

CAREER CONTOUR

A. Schneider Electric India Pvt Ltd, Navi Mumbai.

The Growth Path:

DGM- Electrical Engineering Since Sept'20

B. Larsen & Toubro Ltd, Control & Automation Division, Navi Mumbai. Oct'06 – Aug'20

The Growth Path:

Commissioning Engineer	Oct'06 – Apr'08
Sr. Executive-Projects & Electrical Design	May'08 – Jul'10
Assistant Manager- Electrical Design	Jul'10 – Jul' 16
Manager - Electrical Lead	July 16 – Aug 20

Sectors: Solar, Cement, Metal, Water, Material Handling, Utility, Oil & Gas, Power, Paper, Sugar Industry

Key Deliverables

- **As Electrical Design Engineering:**
 - ❖ Work allocation & monitoring subordinate's deliverables.
 - ❖ Forecasting manpower requirement for assigned projects.
 - ❖ Project & document schedule monitoring for all deliverable for assigned projects.
 - ❖ Engineering of electrical equipment such as GIS, HT board, Transformer, Power Control Center (PCC), Motor Control Center (MCC), Power Distribution Board (PDB), HT Capacitors, LT APFC, Bus duct, LRS, battery charger, Cables, switchyard equipment, drives, Soft-starter etc.
 - ❖ Design and Preparation of Overall Single Line Diagrams, Metering & Protection SLDs, Power system configuration including high and medium voltage distribution and low-voltage installations.
 - ❖ Design of earthing & lightning protection system.
 - ❖ Electrical design calculations including System study by Etap, Cable sizing, Capacitor bank sizing, Lighting calculations by Dialux and Cable schedules.

- ❖ Engineering of AC side & DC side equipment of large-scale solar projects.
- ❖ Provides technical support to pre-bid team in terms of estimation of BOQ, deviation list, compliances.
- ❖ Review of Electrical drawings for Substation, Control room and Plant area viz. Earthing layout, Lighting layout, Cable route layout etc.
- ❖ Timely guidance to subordinates for preparation of electrical equipment's technical specifications.
- ❖ Review of technical specification of electrical equipment & float the enquiries.
- ❖ Responsible for electrical drawing or design approval from customer, consultants & government agencies.
- ❖ Cost optimization by good engineering practices to improve project profitability.
- ❖ Procurement assistance activities like preparation of specification & requisitions, vendor offer evaluation and approval of vendor documents for HT/LT switchgear, transformers, capacitor banks, bus ducts, LRS, UPS, Battery charger and electrical bulk items etc.
- ❖ Engineering of the AC drives panels up to 1200 KW (Yaskawa, ABB, Vacon), Engineering of the DC drives panel design up to 900 KW (L&T, ABB) & Engineering of the Soft starters panel design up to 400 KW (L&T, ABB).
- ❖ Coordinate with other departments and within the department to ensure technical accuracy, cost effectiveness, reduce error and rework.
- ❖ Preparation & timely updation of the standard sizing document & guidelines for further projects.

➤ **As Project Management:**

- ❖ Monitoring and executing EPC Projects with respect to budgeted cost, demand forecasts, time over-runs to ensure timely execution of the projects.
- ❖ Conducting cost benefit analysis of the projects including feasibility studies, assessment of the requirements, etc.
- ❖ Assisting in reviewing cost estimate with Project Manager and Senior Management. Tracking, reporting and documenting the actual cost vs. planned.
- ❖ Initiating and actualizing Project Claims & delivery extension within time frame
- ❖ Accountable for taking drawing, GTP, MQP & other project deliverables approval from client.
- ❖ Procuring project material, coordination and follow up with the suppliers, vendors for the various projects.
- ❖ Planning material and developing vendors for obtaining timely procurement of materials & equipments at cost effective prices to ensure smooth execution of projects.
- ❖ Finalizing Erection Sub-Contracts, mobilizing & closing Site as per schedule and Infrastructure; providing support to site
- ❖ Managing on-site Erection activities to ensure completion of project within the time & cost parameters and effective resource utilization to maximize the output.
- ❖ Accountable for coordination with all internal functions like Engineering, Purchase, Accounts, QA & Commissioning to reduce project dependencies.

- ❖ Accountable for coordinating with third party inspection agency for bought out inspection of Electrical, Electronics & Instrumentation equipments of various turnkey projects.
- ❖ Shouldered responsibility of coordinating inspection visits for customers, consultants and any third party agency appointed by customers as a part of contract.

Electrical Tools & Software:

- ❖ AutoCad, Etap, Dialux, Excel, Word, Power Point etc.

Major Projects Handled:

- JK Cement Panna, 8000TPD Cement Plant, WHRS & JK Cement Hamirpur, 2MTPA Grinding Unit
- DCBL Rajgangpur- Electrical Package
- New 7 Nos. 33KV Substations for Dhaka Power Distribution Company Ltd, Bangladesh
- CG Cement, 3000 TPD Clinkerization Plant, Nepal
- Torrent Power Ltd (60MW Solar Project)
- ACME Solar (25MW, 20MW, 30MW Solar Project)
- Gulf Cement (WHRs), U.A.E
- Indian Oil Tanking EPC INDONESIA
- Terminal Automation System -IOCL
- JSPL Angul Orissa
- Augmentation of Reefer yard at JNPT
- Calcom Cement India Limited, Umrangshu, Assam
- Goldstone Cement, Meghalaya
- Adani Mundra Port, Gujrat
- Chettinad Cement Corporation Limited, Sangem, Karnataka
- Bashundhara Cement, Bangladesh
- Vasavadatta Cement Limited -Unit-4 Power Plant, Sedam, Karnataka
- JayKay Cement Limited, Mudhol, Karnataka
- ARM Cement, Kenya
- UTCL, Arrakonam, Tamilnadu
- Bhilai Steel Plant- Coke Oven Battery COB-5

Customer/Consultant handled:

- Holtec Consulting Pvt Ltd
- Tata Consulting Engineers Ltd
- ThyssenKrupp Industries India Ltd
- Essar Projects India Ltd
- PDIL, Ercom Engineers Pvt Ltd
- Alstom India Ltd

C. PREVIOUS ASSIGNMENT

Power Former Engineers Pvt Ltd, Pune as Project & commissioning Engineer. Jul'04– Sept'06

- AC drives panels design up to 1200 KW (ABB- ACS400, ACS550, and ACS800).
- DC drives panel design up to 900 KW (ABB-DCS500).
- Soft starters panel design up to 400 KW (ABB).
- Accountable for testing & commissioning of AC, DC drives & soft starters as per target schedule and ensure its dispatches on time.

SCHOLASTICS

- Bachelor Of Engineering (Electronics) from Swami Ramanand Tirth Marathwada University, Nanded in 2004 with Distinction.

PERSONAL PROFILE

Date of Birth : 25/03/1982
 Address : Flat No- D501, Plot- A83-87, Twins Hallmark, Sec-19, Koparkhairne, Navi Mumbai.
 Languages : English, Marathi, Hindi.