



# Sharbaroop Mallik

An achievement-driven professional, targeting senior level assignment in **Electrical Design Engineering** with an organization of high repute

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## CORE COMPETENCIES

- Electrical Engineering
- T&D Substation Engineering
- Primary Detailed Engineering
- Design Validation
- Project Management
- Erection, Testing and Commissioning
- Resource Planning
- Budgeting & Cost Optimization
- People Management

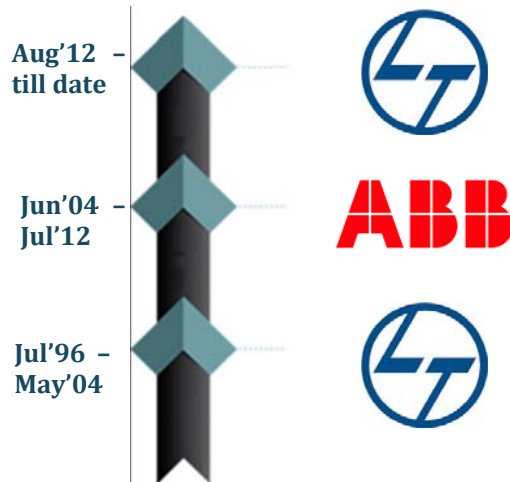
## SOFT SKILLS

- Collaborator
- Communicator
- Planner
- Change Agent

## PROFILE SUMMARY

- ❖ **Electrical Engineer**, with **nearly 25 years** of rich experience in **Power Transmission & Distribution Systems**
- ❖ Currently **working on project of worth 3,000 MINR**
- ❖ Successfully **executed design & engineering as Head of Technical Function:**
  - **T&D Substation Projects** worth of **7,200 MINR**
  - **Steel Plant Electrical** worth of **730 MINR**
- ❖ Expertise in **managing T&D substation design engineering operations** involving design & development, interpreting drawings, specifications, codes, standards for final release, and coordinating with internal department
- ❖ **Excels in design coordination**, selection & sizing of electrical equipment, study & design engineering of Electrical Distribution System in Substations/Steel Plants
- ❖ Proficiency in **implementing creative solutions & architecture**, problem resolution, management report for new and existing system
- ❖ Expertise in **planning and executing electrical projects** with skills in establishing and maintaining project documentation including correspondence, contract documents, technical and progress reports
- ❖ Hands-on experience in **incorporating effective plans & schedules** for maintenance operations and reducing downtime for enhancing operational efficiencies with focus on optimum utilization of manpower & materials
- ❖ Practical construction knowledge and capability to work on drawings; proficiency in managing site operations for quality service
- ❖ Efficient organizer, motivator, team player and a decisive leader with the capability to motivate teams to excel and win

## CAREER TIMELINE



## WORK EXPERIENCE

**Larsen & Toubro Limited, Construction, Power Transmission & Distribution IC** **Aug'12 - till date**

**IPDS/PMDP Jammu Project Site** **Apr'20 - till date**

**Apr'20 - till date: Sr. Manager - Construction Manager**

### Key Result Areas:

- ❖ Working as **Construction Manager** of 11 kV & LT Augmentation involving erection of 200 km of 11 kV Overhead Line, 640 km of LT Line with more than 900 Nos. of Distribution Transformers
- ❖ Developing project baselines, scheduling feeder progress plan, monitoring & controlling projects with respect to cost, resource deployment, time overruns and quality compliance to ensure satisfactory execution of projects
- ❖ Analysing work plan submitted by the contactor and suggested modifications, if any
- ❖ Inspecting site to observe & evaluate conditions for availability of resources by collecting field data & measurements; ensuring the same is being executed as per drawings, technical specifications and bills of quantities
- ❖ Planning weekly & monthly works with available resources & manpower and conducting productivity analysis to meet the deadlines
- ❖ Reconciling material issued to various subcontractors and forecasting material requirement
- ❖ Identifying & communicating the risk aspect as per project procedure; promoting health, safety & environmental compliance at site

**Cluster Project Operation, Kolkata and Ranchi, Power Transmission & Distribution** **Nov'15 - Mar'20**

**Nov'15 - Mar'20: Sr. Manager - Project Coordinator at Cluster Project Operation**

### Key Result Areas:

- ❖ **Analysed cost estimate** of the project
- ❖ **Coordinated with Design Department** for purchase specification and drawings & approval of latter
- ❖ **Liased with Supply Chain** for placing purchase order and coordinated with suppliers for delivery
- ❖ **Monitored site** to raise invoices to customer, progress of execution and project cost

**Cluster Project Operation, Kolkata, Power Transmission & Distribution** **Aug'12 - Oct'15**

**Aug'12 - Oct'15: Engineering Manager - Head of Design & Engineering at Cluster Project Operation**

### Key Result Areas:

- ❖ Coordinated with Customer, Suppliers and Project Execution / Management Team
- ❖ Steered **Design & Engineering status** and prepared/reviewed **engineering deliverables**
- ❖ Focused on Cost Control, Standardisation, Optimisation and Cycle time reduction
- ❖ Worked on **MV and LV Switchboards**:
  - 4 Nos. of 6.6 kV MCC having 80 Nos. of Feeders
  - 13 Nos. of LV PCC having 262 Nos. of Feeders
  - 31 Nos. of LV MCC (23 Nos. of Intelligent and 8 Nos. of Conventional) having 1200 Nos. of Feeders
  - 91 Nos. of VVVF Drives (11 Nos. of 6.6 kV and 80 Nos. of LV)
  - 31 Nos. of LV Soft Starters
  - 17 Nos. of PDB having 550 Nos. of Feeders
  - 26 Nos. of Power Distribution Transformers
  - 6 Nos. of Converter Transformers
  - 4 Sets of 220 V Battery, Battery Charger and DCDB
  - 6.6 kV MCC
  - LV Bus Duct

**ABB Limited, India** **Jun'04 - Jul'12**

**Regional Project Operation (RPO), South, Bangalore Power Systems T & D Substations**

### Growth Path

**Jun'04 - Apr'06: Manager - Project Lead Engineer**

**May'06 - Feb'07: Manager - Head of Design & Engineering at RPO South**

**Mar'07 - Jul'12: Assistant Vice President - Head of Design & Engineering at RPO South**

### Key Result Areas:

- ❖ Liased with Customer, Suppliers and Project Execution / Management Team
- ❖ Monitored and controlled Design & Engineering status
- ❖ Focused on Cost Control, Standardisation, Optimisation and Cycle Time Reduction
- ❖ Worked on:
  - **Air Insulated Outdoor Substations**, 4 Nos. of 400 kV, 8 Nos. of 220 kV, 36 Nos. of 132 kV and 66 kV for various customers as Indian Utilities and Industries
  - **Gas Insulated Substations (GIS)**, 2 Nos. of 400 kV, 1 No. of 220/66 kV, 1 No. of 132 kV, 1 No. of 66 kV for various customers as Indian Utilities and Industries

**Engineering Research & Design Centre E&I Business Unit Industrial Electrification T & D Substations**

Apr'00 - May'04

**Growth Path**

Apr'00 - Jun'02: Design Engineer  
 Jul'02 - May'04: Asst. Design Manager - Senior Design Engineer

**Key Result Areas:**

- ❖ Prepared **basic and detailed engineering deliverables**
- ❖ Performed **estimation of project bill of quantity** for Marketing/Tendering Division
- ❖ Worked on:
  - **Air Insulated Outdoor Substations**, 1 No. of 110 kV & 6 Nos. of 33 kV for various customers as Indian Utilities
  - **Gas Insulated Substations (GIS)**, 1 No. of 230/115 kV for M/s Saudi Electricity Company - Eastern Region Branch

**Project Execution Sites at Bihar and Orissa E&I Business Unit Industrial Electrification T & D Substations**

Jul'96 - Mar'00

**Growth Path**

Jul'96 - Jun'99: Engineer - Site-in-charge  
 Jul'99 - Mar'00: Planning Engineer

**Key Result Areas:**

- ❖ Worked a **Planning Engineer** for 24 nos. of 33/11kV new substation & upgraded 53 Nos. of 33/11kV Substations for CESCO, GRIDCO, Orissa
- ❖ Administered **Site Execution and Testing & Commissioning** of 132/25 kV Traction Substations and 25 kV Switching Stations for Central Organisation of Railway Electrification (CORE)

**TECHNICAL SKILLS**

- ❖ Design Calculations involved in Design of Substation and Steel Plant Electrification
- ❖ Control, Interlock, Relaying and Metering Philosophy
- ❖ Detailed Layout Drawings for Engineering of Substation and Steel Plant Electrification
- ❖ AutoCAD (2D)
- ❖ Microsoft Office Suite
- ❖ AutoGrid Pro - to study grounding involving multilayer resistivity soil structure, irregular shaped ground mat and non-uniform conductor spacing
- ❖ Derivation of rate for various works based on involvement of men and machines

**EDUCATION**

**Bachelor of Engineering (Electrical Engineering)** from Bengal Engineering & Science University in 1996

**PERSONAL DETAILS**

**Date of Birth:** 25<sup>th</sup> March 1974  
**Languages Known:** English, Hindi & Bengali  
**Address:** 15, Lakshman Das Lane, Howrah - 711 101, West Bengal