

SIBASISH RAULA

Design and Project Engineer-Solar PV System

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Location : New Delhi

Profile Summary

Result driven and very dynamic professional with **9 years 10 months** of versatile experience, highly competitive technical and team management experience and in-depth experience of **Project Designing, Engineering, Planning & Management** with cumulative experience of **40 MW Rooftop as well as Ground Mount Solar PV Projects**.

Area of Competence & Skills

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|---|---|---|
| ➤ Designing & Project Management of Solar PV Rooftop & Ground Mount Projects. | ➤ Detailed Engineering (DC & AC Side) | ➤ AutoCAD for Drafting |
| ➤ Project Management of EPC projects. | ➤ PVSyst & HelioScope. | ➤ Pre-Dispatch Inspection of PV Modules & Structures etc. |
| ➤ Project Planning & Scheduling. | ➤ Site Survey & Pre-feasibility assessment. | ➤ PPA/EPC agreement. |
| ➤ Site Coordination & Construction Management. | ➤ Shadow Analysis | ➤ DPR & Project Completion report preparation. |
| | ➤ CUF/PLF Estimation. | ➤ Commissioning Inspection |

Work Experience

SR. PROJECT ENGINEER - India SME Technologies Pvt. Ltd, New Delhi

July'2018-Current

Company Brief: M/s India SME Technology Services Limited (ISTSL) is a public limited company incorporated under the Companies Act 1956 on 17th November 2005. It is a Joint Initiative of Small Industries Development Bank of India (SIDBI) and four public sector banks including State Bank of India (SBI), Indian Bank, Oriental Bank of Commerce (OBC) and Indian Overseas Bank (IOB).

ISTSL provides Project Management & Consultancy (PMC) services to the ministries of Govt. of India for implementation of grid connected rooftop solar PV projects for cumulative capacity of **40 MW** in their offices /institutions.

KEY ROLE AREA:

- Pre-feasibility assessment report review and finalization of capacity for PPA/EPC agreement.
- Co-ordination in signing of PPA/EPC agreement.
- Review & vetting of Detailed Engineering drawings/ documents related to Rooftop Solar PV system received from Developer/EPC.
- Pre-dispatch Inspection of materials (PV Modules, Inverters & MMS) at manufacturer's place.
- Review of Test certificates and other documents for providing Material Dispatch clearance certificate.
- Project planning, monitoring and execution of project.
- Preparation of periodic progress report & submission of the same to concerned offices/ institution of ministries.
- Providing input for resolving technical issues during various stages such as feasibility assessment, installation, commissioning of the system.
- Ensuring quality in the installed components/ systems.
- Inspect overall things i.e. Array, Inverter cabling, Environment/health safety, system start up, plant performance etc.
- Commissioning Inspection at project sites at the time of commissioning.
- Preparation of Commissioning reports & Project Completion reports.

NATURE OF PROJECTS HANDLED:

- Project Management Consultancy (PMC) of Solar PV System of Rooftop.
- Client: Navodaya Vidhyalaya Samiti, Ministry of Micro Small & Medium Enterprises (MSME), MNRE.
- Location: At different locations across India

PROJECTS HANDLED

- 18.78 MW Rooftop Solar PV System in 251 Jawahar Navodaya Vidyalayas located in different states/union territory of India Under RESCO Model On behalf of Navodaya Vidyalaya Samiti.
- 3.4 MW Rooftop Solar PV System in 51 offices of various organizations under Ministry of MSME located in different states//union territory of India under CAPEX Model.

PROJECT MANAGER - Suryawanti Technologies Pvt. Ltd, New Delhi

March'2017-June'2018

Company Brief: SuryaWanti Technologies Pvt. Ltd. provides a complete range of Basic/Detailed Design Consultancy, Engineering Services, and Erection & Commissioning of **Solar PV System for Ground Mounted and Rooftop Solar PV System.**

KEY ROLE AREA:

- Site Survey with Total Station Survey team for analyzing shadow free area and obstacles location.
- Preparation of Pre-feasibility report.
- CUF/PLF estimation.
- Preparation of Modular Array Layout with shadow analysis , Marking Layout, Stringing Layout, SLD, Equipment GA, Cabling and Conducting Layouts, Earthing Layouts, LA Layouts.
- Shadow analysis through PV-Syst & Helioscope.
- Cable sizing after performing voltage drop calculation.
- Calculation of Earth pits and earthing strip sizing.
- Preparation of BOM, Cable Schedule.
- Preparation of equipment specifications.
- Preparation of DPR.
- Managing activities right from the project conceptualization stage to the execution; involving finalization of technical specifications, procurement & dispatch of materials, scheduling, progress monitoring, erection, testing & commissioning, site management, resource planning.
- Selection of Sub-Contractor for Site Construction activities.
- Client Co-ordination for Drawing/Document approval, Site issues, Order amendments & Payments etc.
- Timely invoicing to customer & billing to Survey team.
- Follow-up with client for payments.
- Planning & Management of the total site activities like Erection, Testing, Commissioning and handling over of the job to the customer.

NATURE OF PROJECTS HANDLED

- Design Consultancy, Erection & Commissioning of Solar PV System of Rooftop, Ground mounted Projects.
- Client: Caparo Power Ltd, Renew Power Ventures, Micromax Solar, AMP Solar, Argo Solar, Manikaran Solar.
- Location: At different locations across India

SR. ENGINEER- PROJECTS - Thermosystems Pvt. Ltd, Noida

July'2014-March'2017

Company Brief: Thermosystems Pvt. Ltd. is an EPC company and a complete turnkey solution provider, with in-house design and engineering facilities and a team of dedicated technical professionals. Our services entail design, engineering, mechanical fabrication, erection and commissioning of EPC Projects of Power, Oil and Gas.

KEY ROLE AREA:

- Helping Project Leader in day to day activities of Project Co-ordination activities e.g. raising indent, making BG request, making Work Order, PRA etc. as per guidelines of KRA.
- Decision-making-authority for Project management & Construction management.
- Preparing the total Project Schedule and planning of project activities like design, procurement, dispatch of materials to site & erection activities accordingly with complete co-ordination with internal departments' viz. Design, SCM etc.
- Ensuring timely review and release of drawings after coordination with design team and client.

- Selection of Sub-Contractor for Site Construction activities.
- Client Co-ordination for Drawing/Document approval, Site issues, Order amendments & Payments etc.
- Planning & Management of the total site activities like Erection, Testing, Commissioning and handling over of the job to the customer.

NATURE OF PROJECTS HANDLED

- Balance of Plant (Fire Detection and Protection System) EPC of Thermal & Oil and Gas Projects.
- Client: NTPC, GAIL, ONGC
- Location: At different locations across India

GRADUATE ENGINEER TRAINEE –Flowgain Engineering (P) Ltd, New Delhi

August'2009-July'2014

Company Brief: Flowgain Engineering Pvt. Ltd. is an ISO: 9001 certified professional company specializing in Design & Engineering, Supply and Construction, Manufacturing of various systems like Fuel Oil, Fire Protection & Detection System, HVAC System, Balance of Plant, other Mechanical & Electrical jobs etc. in the sectors such as Power Plant, Refineries, Onshore & Offshore installations, Airports & Buildings.

KEY ROLE AREA:

- Designed and implemented detailed drawing of Electrical/Mechanical.
- Preparing Project Schedule.
- Coordination with Purchase division with regards to procurement related activities, ensuring timely releasing of specifications, offers from vendors, clarifications and technical evaluation.
- Timely engineering drawings submission and approval, monitoring the manufacturing at various stages for major equipment to ensure timely delivery, quality inspection as per QAP, delivery, billing to client and payment to vendors as per payment terms.
- Coordination with Client regarding all the activities of the project ensuring timely approval of drawings, quality plans and reporting the overall progress of the project.
- Mobilization of site team and erection contractor and ensuring all erection related activities are carried out as per project schedule with best utilization of man power and resources.

NATURE OF PROJECTS HANDLED

- Balance of Plant (Fire Detection and Protection System) EPC of Thermal, Hydro & Oil and Gas Projects.
- Clients: Siemens, Alstom, Andritz Hydro, Schneider Electric, Thermax, Lanco Infratech
- Locations: Different location in India and abroad.

Education

B-TECH IN ELECTRICAL AND ELECTRONICS ENGINEERING - Roland Institute of Technology with avg. **7.23 (CGPA)** under Biju Pattnaik University of Technology, Rourkela, Orissa in **2008**.

Training

Participated in skill development training program on **“Grid Integrated Rooftop Design and Technologies”** conducted by **National Institute of Solar Energy (NISE)**, Gurugram, Haryana.

Place:
Date:

[Sibasish Raula]