

A.VENKATESWAR RAJU

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Proven experience in engineering and project lifecycle management of utility scale grid connected Solar Power Project of size 10MW and above. And looking for challenging job opportunities of working in Solar Power Plants across the globe

SUMMARY

A highly qualified Electrical Engineer with **8 years of experience in the domain of Erection, Operations & Maintenance, QA&QC**. Possesses expertise in the domain of Project Coordination. Highly adept at Material Procurement and knows the intricacies of Installation, Testing & Commissioning. Has been efficiently handling the procedural intricacies of Manpower Management and is well-versed with basic details of Preventive Maintenance as well as the Electrical & Mechanical Works.

KEY SKILLS

- Site Survey
- Design of Solar PV Off & On Grid
- Erection, Operations & Maintenance
- Project Coordination
- BOM Preparation & Project Management
- Electrical & Mechanical Works
- AutoCAD Drawings Development
- Work Schedule Preparation
- Quality Control and Testing.
- Internal & External Electrification works
- Installation, Testing & Commissioning
- Earth Routing & Installation
- Manpower Management
- Preventive Maintenance
- Erection/Fault Analysis

CAREER OBJECTIVE

I am a highly versatile and learned Electrical Engineer with 8 years of experience in the field of erection and commissioning as well as maintenance, testing, QA&QC and abilities in planning and managing resources both men and material. I have acquiring and sharpening my proficiencies in AutoCAD Drawings Development and I can prepare well-planned schedules for the general working. Having the knowledge of technical aspects of power distribution system and installation projects, I can handle the electrical and mechanical works as well as the jobs pertaining to internal and external electrification. I am well-versed with switchgear such as circuit breakers, fuses and switches and I have proven my expertise in the field of Earth Routing & Installation.

PROFESSIONAL QUALIFICATIONS

1. SOLAR PACK INDIA LLP LTD.,

Mar 2017 to Till Date

Designation: Site Manager-Solar Projects

On Going Project:

- 15MW Solar Power Project at Khilla Ganpur, Mahbubnagar Dist., Telangana
- 10MW Solar Power Project at Achampet, Mahbubnagar Dist., Telangana

Designation: Project Management Consultant (Quality)-Solar Projects

Completed Project:

Title : 15MW Solar Power Project at Achampet, Mahbubnagar Dist., Telangana.
Client : Suzlon Solar Energy India Pvt Ltd

Job Responsibilities:

- Understand customer needs and requirements to develop effective quality control processes
- Set requirements for raw material or intermediate products for suppliers and monitor their compliance
- Ensure adherence to health and safety guidelines as well as legal obligations
- Supervise inspectors, technicians and other staff and provide guidance and feedback
- To identify deviations from quality standards and inspect final output and compare properties to requirements
- Approve the right products or reject defectives
- Keep accurate documentation and perform statistical analysis
- Solicit feedback from customers to assess whether their requirements are met
- Submit detailed reports to appropriate executives
- Be on the lookout for opportunities for improvement and develop new efficient procedures
- Ensuring the QMS processes are established, implemented and maintained and in conformance with ISO 9001 requirements.
- Promoting awareness of client and legal requirements among all personnel and contractors.
- Client requirements are based on project or client specific guidelines; legal requirements are based on standards of regulatory organizations for a particular geographic location.
- Providing training related to the QMS and its processes to all personnel and SE management.
- Reporting to Solar Business Management on the performance of the QMS and on the need for improvements
- Initiating, implementing and monitoring continual improvement projects.
- Informing Solar Business Management of any significant issues or concerns that affect quality.
- Performing QMS audits and presenting the findings at Management Review Meetings.
- Actively participating in QMS and HSE programs.Using the required processes and procedures to execute work.
- Reporting any existing or potential safety or QMS nonconformity to a supervisor, Quality Manager or HSE Coordinator
- Preparation of the Project Quality Plans, Quality Control Plans and Project Quality Procedures which guarantee compliance with contractual requirements and ISO Standards.
- Preparation of work procedures for different activities.
- Monitoring that proper quality standards are maintained at sites. Compliance to applicable manufacturing codes and Implementation of Field quality assurance plans.

- Inspection at suppliers works and at project Sites.
- Checking of Contractor bills & Dealing with Govt. authority regarding site problems.
- Assesses the Quality Control Plans of sub- contractors and identify any necessary corrective measures
- Feedback on major problems, ensure corrective actions & Ensure proactive approach to prevent mistakes.
- Supports the Project Manager in preparation of all the required project management procedures and documents.
- Ensures contract review and project close out are adequately performed.
- Provides the necessary back- up to the Proposal/ Project Manager regarding contractual issues relating to Quality both during tender and project execution phase.
- Provides periodical analysis of project data (NCs- Non-Conformity, complaints and lesson learnt). Monitors adequate close out of NCs- Non-Conformity and events.
- Responsible for ensuring personnel comply with standards, Environment, Health, Safety at site, regulation, specification & documented procedure. Training for staff and subcontractor workmen.
- Overall Responsible for meeting the customer satisfaction by implementing QMS Monitoring the site activities to avoid non- conformances regarding quality.
- Resolution of quality related problems at site with concurrence of client, if any.
- Conducting the Management Review Meetings at site for resolution of problems at site, if any.
- Laboratory Testing and Preparation of Quality Control Reports.
- Internal Audits at site and at nearby sites.
- Client co- ordination & Cost Control. To ensure Implementation of EMS/ EMP at site.
- Monitoring various types of material/ soil testing activities.
- Ensuring compliance of all procedures and systems related to quality and Health, safety and environment at all sites.
- Provide result reports of testing and measurements done to engineers
- Inspect, test, sample materials, parts or products for defects and any deviations from specifications. Prioritize parts inspected based on customer demands and required dates.
- Administrate in accordance with company policies and procedures anything that does not meet with company standards, including products, materials, fixtures and equipment used by the company in processing.
- Discuss results and findings with those in charge of the products and recommend any required corrective actions.
- Follow all standard safety practices, written and implied
- Monitor and ensure quality standard set by the company for all products are being duly processed.
- Coordinate with supporting departments to resolve any issues regarding materials, tools, fixtures or equipment
- Perform analysis of documents / information to ensure that all critical product characteristics have been identified and properly evaluated
- Provide support to the Quality engineer for the continuous improvement of quality standards

3. ACME CLEANTECH SOLUTIONS PVT LTD., (Off-Role)

July 2015 to June 2016

Designation: Sr. Electrical Engineer-Solar Projects

Completed Project:

Title : 20MW Solar Power Project at Rayachoty, Kadapa Dist., Andhra Pradesh.
Client : Acme Cleantech Solutions Pvt Ltd

4. RAYS POWER INFRA PVT LTD.,

April 2014 to July 2015

Designation: Sr. Electrical Engineer-Solar Projects

Installed & Commissioned the following Power Plants:

- 5 MW Solar Power Plant at Kalwakurthy-Telangana of Haldirams Group.
- 20 MW Solar Power Plant at Mansa-Punjab of ESSEL Group.
- 10.5 MW Solar Power Plant at Mansa-Punjab of ESSEL Group.
- 5.5 MW Solar Power Plant at Bijapur-Karnataka of ESSEL Group.
- 0.7 MW Solar Power Plant for Jajoo Group at Dubbaka, Medak Dist., Telangana State.
- 4.5 MW Solar Power Plant for R.N.Jewels at Dubbaka, Medak Dist., Telangana State.

Job Responsibilities:

- Execution of the project starting from the soil testing, land development till commissioning of the project.
- Constructions of 33 KV switch yard and 33 KV HT DPDC line and resolve R.O.W. issue.
- Installation of SMB, Inverters, L.T. Panels, Transformer, VCB etc.
- Construction of Prefab Control room.
- Installation of the Mechanical structure and solar modules as per Drawings.
- Route survey of 33 KV TL from power house to grid substation and liaising with land owners.
- Erection of new, additional, augmentation, indoor to outdoor 33/11kv S/S, New 33kv, 11kv lines, new distribution transformers and distribution lines
- Erection, Testing & commissioning of inverter, fuse box, RMU, Battery bank in PV stations.
- Installation of all electrical equipment in EHV, HV & LT system like H.T. Panel, L.T Panels, Power Transformers, SF-6 Breakers, Isolator, CT, PT etc.
- Installation of module erection, structure erection, combiner box & array box.
- Execution of electrical and mechanical works in power plant and preparing checklist for the materials erected in the site

- Involved in Erection of Photovoltaic Modules of thin film & Multicrystalline, pyranometers, weather station, array junction boxes, intelligent combiner boxes.
- Carrying out activities for planning and laying down the HT & LT Cables in the entire area specified in design.
- Developing AutoCAD drawings of Power Plants, transmission line.
- Handling vendors, Project site management, Project reporting and monitoring.
- Maintaining excellent relation with vendors and contractors to generate & sustain fail proof material flow and its installation further enhancing organization business.
- Interaction with contractors and its Supervisors (Civil, Mechanical, Electrical) regarding the work progress at site.
- Co-ordination with the civil department to complete the project within the contract period
- Coordinate with the all the department of companies such as Accounts, purchase and marketing regarding the payments and scope of work of contractor.
- Coordinating with the vendors for finalizing quality plans, release schedules & timely deliveries.
- Preparation of Purchase order/ work order.
- Review the bill of contractors and send it for final Payments.
- Preparation of DPR and take necessary actions accordingly. And report to the DGM Projects.
- Preparation of bill of materials for the concerned project.
- Submits site daily reports, estimates and all applicable monitoring reports on regular basis to head office
- Estimates, prepares and assigns the resources such as manpower, materials, consumables, equipment, tools, etc., required for all electrical and related works prior to execution.
- Planning and supervising erection of transmission lines
- Responsible for ensuring personnel comply with standards, Environment, Health, Safety at site, regulation, specification & documented procedure. Training for staff and subcontractor workmen.
- To ensure Implementation of Emergency Medical Service (EMS)/Environmental Management Plan (EMP) at site
- Maintaining records for all the Documents of Projects like letter and Drawings along with Test Reports, Test certificates and Calibration certificate of Equipment's.
- Taking approvals of Equipment's drawings from Electricity Board.
- Co-ordination with Govt. officials for completion of project
- Material management at site and maintaining Inventory Record of materials at site.
- Over all site management, coordinating with Clients, Site inspection for the concerned project.
- Inspection of the final components of Mechanical Structures and release the Dispatch order.
- Quality checking of module erection, structure erection, combiner box & array box.
- Involve in the Procurement for all the materials used in 1 MW Project, take quotation from the vendors, and meet with them regarding its technical parameters and negotiation of material. Preparation of Purchase order/ Work order. Have done local procurement also at Project Site.

- Inspection at supplier's works and at project Sites. Checking of Contractor bills.
- Checking out the quality and quantity of work executed as per the drawings
- Handling operation and maintenance of plant
- Managing total monitoring system in PV log system is Skytron software with SCADA
- Enforce the EPC Contract by leading the performance of the Work as defined in the specifications to ensure project objectives are met and contractual requirements fulfilled.
- Responsible for controlling EPC Contractor's performance in accordance with the EPC Contract, procedures, timing, schedules and activities and enforcement of safety and health plans, quality and environment management plans implemented by EPC contractor.
- Responsible for project closure, ensuring EPC contractor meets all contractual procedures related with the Provisional Acceptance Certificate (PAC) and Final Acceptance Certificate.
- Responsible for reviewing, monitoring and controlling the detailed work plans prepared by the EPC Contractor, holding periodic meetings with contractor's representative at site and monitoring the compliance of the actual work progress with the base line.
- Responsible for documenting, recording and reporting Project information such as performance data, performance forecasts, minutes of meetings, issues, risks or any other that may help to track project execution history once the Project has been completed. Keep records of Projects documents.
- Review, verify and approve the execution of the works and the Project deliverables up to the Project closure and approve Weekly Progress Reports prepared by Contractor.
- Ensure EPC Contractor implements the Quality plan during the execution of the Works on site. Collect Quality reports from Contractor, analyses the information along with the Quality Team and coordinate with them and the Contractor corrective/preventive action if necessary.
- Keep records of the materials and equipment received on site. Inspect and confirm compliance with contractual requirements.
- Perform Documentary Control of the documentation received by the Contractor about Quality and Control supervising the Inspection Points Program (IPP).
- Opening and documentation of nonconformities (NC) when necessary as well as the monitoring of NC and maintenance of updated register throughout Project life.
- Evaluate and supervise the corrective measures proposed to solve open non-conformities, agreed them with the Site Manager and manage and control its implementation with the contractor till successful timely closure of the NC.
- Monitor and control EPC Contractor's fieldwork on site to ensure that the work is executed in accordance with the contractual procedures related with the Provisional Acceptance Certificate (PAC)

Designation: Sr. Electrical Engineer

Installed & Commissioned the following Power Plants in KW Range:

- 100 kW Roof Top Grid connected Solar PV Power Plant at Mahaveer College of Engineering & Technology, Hyderabad, Andhra Pradesh
- 200 kW Roof Top Grid connected Solar PV Power Plant at Sri Vishnu Educational Society, Bhimavaram, Andhra Pradesh
- 150 kW Roof Top Grid connected Solar PV Power Plant at Ananda Enterprise, Bhimavaram, Andhra Pradesh.
- 100 kW Roof Top Grid connected Solar PV Power Plant at Nagarjuna College of Engineering & Technology Bangalore
- 4*25 kW Roof Top Grid connected Solar PV Power Plant at Vasireddy Venkatadri Institute of Technology Guntur, Andhra Pradesh.
- 10 kW Roof Top Off-Grid Solar PV Power Plant at District Collectorate, West Godavari Dist., Andhra Pradesh.
- 28*1.5 kW Off-Grid Solar PV Power Plants through NREDCAP to Various Police Stations in Andhra Pradesh.
- 15*1 kW Off-Grid Solar PV Power Plants through NREDCAP to ITDA, West Godavari district, Andhra Pradesh.
- 20*1kW Off-Grid solar PV Power Plants in various locations in East and West Godavari Districts, Andhra Pradesh.

Job Responsibilities:

- Off Grid Plant Design Includes Selection of Size and Quantity of Modules, Junction Boxes, Cables, Capacity of PCU and Capacity of Battery Bank.
- On Grid Plant Design Includes Selection of Size and Quantity of Modules, String Combiner Boxes, Cables, Capacity of Inverter.
- Prepare the Layout of the Site which includes location of Modules, DCDB's, ACDB's, and Earth pits.
- Prepare the Size and Quantity of Cables from Modules to Evacuation point by considering Minimum Voltage Drop and Power Losses through the Line.
- Prepare BOM along with developing & overseeing preparation / implementation of engineering changes
- Provide end-to-end technical support for clients.
- Associated with the setup of Grid tie & Stand-alone Solar PV Power Plant by performing Site Survey.
- Carrying out Execution work of Solar PV Power Plants at various sites and Trouble shooting
- Responsible for evaluating and selecting the offers from contractors.
- Administering the Project development and synchronizing with Civil Sub Contractors & managing people at site.
- Synchronizing with the team about Quality & Safety standards during the installation of Solar PV Power Plant.
- Prepared technical documents and ensured that the work was carried in accordance to the drawings and specifications.
- Cabling work for HT & LT Cabling from RMU to RMU, RMU to Transformer, Transformer to Inverter. DC String Wiring from PV Module to module, String Combiner Box to DC Fuse Box and DC Fuse Box to Inverter
- Installation of Light Fixtures, Cable tray, Lightning Protection System, etc.

Designation: Jr.Electrical Engineer

Job Responsibilities

- Execution of internal & external electrification work in landed units & apartments
- Installation, Testing & Commissioning of RUM's
- Execution of earth routing & installation
- Construction of HT & LT foundations for electrical equipment
- Inspection, Testing and Commissioning of HT Panels
- Execution of slab conducting, wall chasing, box fixing, wiring & switches fixing etc.
- Checking & certification of bills & assaults
- Coordinating with the consultants for procuring drawings and getting permissions from Govt. Authorities like E.B & Pollution control board etc.
- Erection of street light poles & landscaped lights
- Execution of work with quality as per client norms
- Checking & certification of bills & as built drawings

ACADEMIC CREDENTIALS

- MBA-Marketing (Distance) from Jesus PG College affiliated to Jawaharlal Nehru Technological University – Hyderabad in 2014 with 61.7%
- B-Tech (Electrical & Electronics) from Institute of Aeronautical Engineering, affiliated to Jawaharlal Nehru Technological University - Hyderabad in 2009 with 54.50%
- Intermediate from Narayana Junior College - Hyderabad in 2005 with 77.3%
- SSC from Nagarjuna Model High School - Hyderabad in 2003 with 73.3%

TECHNICAL PROFICIENCY

- **Software Packages** : MS Office, Open Office
- **Design Tools** : Auto CAD. PV Syst., Sketch Up Pro.

PERSONAL DETAILS

- **Father Name** : A. Ravinder Raju
- **Date of Birth** : 8th March, 1988
- **Languages Known** : English, Hindi and Telugu
- **Marital Status** : Married
- **Mailing Address** : Sravani Residency, Plot no: G1,
Srinivasa Housing Society, Plot no: 301
Nizampet Village, Hyderabad-5000090

(A VENKATESWAR RAJU)