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Performance-driven professional offering **4.8 years** of insightful experience of more than 116 MW in Solar Power Sector; motivated by internal standards of excellence to overachieve expectations and exceed set goals; seeking challenging assignments in Power Generation/ Power Transmission/ Power Distribution / Solar power generation/Consultancy Projects/ Business Development etc. in...

POWER & UTILITIES SECTOR**Areas of Expertise**

<ul style="list-style-type: none">❖ Project Management❖ Installation ,Testing & Commissioning❖ Transformer, Control panels❖ EPC Project Management❖ Design &Technology Management	<ul style="list-style-type: none">❖ Project Planning❖ Transmission & Distribution❖ Quality Assurance Construction❖ Solar power Project❖ Operation & Maintenance❖ Coordinate With Engineering Team.	<ul style="list-style-type: none">❖ Material & Quality Management❖ Vendor development❖ Power Generation❖ Submission of Project Report❖ Report Status/progress in internal stake holders.
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Career Snapshot

- ❖ **Working in Vikram Solar Ltd. (solar EPC) as a Sr.Engineer Projects from Jan-2017 in Kolkata.**
 1. Working on Project of Bhartiya electronics ltd VFJ & CGF 20 MW at Jabalpur
 2. Working on Project of Bhartiya electronics ltd OFI 10 MW at Itarsi.
 3. Successfully commissioned 20 MWp, 132 Grid Connected Solar Power Plant at Chitradurag (Karnataka) under MNRE including all different, as Lead Electrical Engineer.
- ❖ **Joined Ujaas Energy Limited (solar EPC) as an Engineer Projects in Nov 2015 at Indore.**
 1. Successfully commissioned 30 MWp Grid Connected Solar Power Plant at Ichhawar (MP) Under MNRE including all different, as Lead Electrical Engineer.
 2. Successfully commissioned 16 MWp Grid Connected Solar Power Plant at Sitamau (MP) Under MNRE including all different, as Lead Electrical Engineer.
- ❖ **Joined Max Energy care Gujarat as an Electrical Engineer in Aug 2014 in Anjar.**
 1. Successfully commissioned and maintains of 20 MWp Grid Connected Solar Power Plant at Anjar client GujaraturjaP ltd.
- ❖ **Joined JJE Engineering as an Electrical Engineer in July-2013 In Indore (M.P.)**
 1. Successfully completed one year on job training on all technical & commercial aspects of power transmission distribution systems up to 33KV levels Grid Management.

Business Skills

Project Planning & Management

- Conceptualizing project execution plans after discussion with clients, gathering information and preparing functional specifications and system requirement specifications.
- Overseeing execution including activities like move in, installation, commissioning, hook up of machineries. Project monitoring and manpower planning. Identifying & resolving problems, ramping up the project activities with on time deliverables and maximizing the productivity.
- Planning & Management of resources allocation, budget & time for smooth execution of project as per the set deadline.
- Ensuring that work products derived from requirements specifications are interpreted correctly and liaising with technical team to resolve issues and ensure application conforms to requirements.
- Managing or tracing information and tracking requirements status throughout the project

Installation & Commissioning

- Handled ***On site projects of PV system installation & commissioning*** from panel mounting till final acceptance test by the customer.
- Anchoring on-site installation & commissioning activities to ensure completion of project within the time & cost parameters and effective resource utilization to maximize the output.
- Reviewing ***engineering drawings***, technical specifications, cost estimates for installation & commissioning of the networks; reviewing & analyzing contractor's change order proposals & submittals.
- **Identifying project bottlenecks** and undertaking corrective measures.
- Resolving the problems through correction of errors in documents responsible for occurrence of the errors.
- Supervising the functions of troubleshooting & predictive / preventive / shutdown maintenance for identifying areas of obstruction/ breakdowns and reducing machinery downtime to minimum.
- Handover the project with satisfactory desired performance to the customer. Training to the customer regarding system working, routine maintenance and preventive maintenance.

Team Management

- Leading, mentoring & monitoring the performance of team members to ensure efficiency in process operations and meeting of project targets.
- Creating and sustaining a dynamic environment that fosters development opportunities and motivates high performance amongst team members.

Business Development

- Site Visiting Caring Technical Information.
- Preparing BOM.
- Preparing DPR (Solar Projects).

Project Coordination

- Site Planning & Coordination with client.
- Making of free hand drawing.

On Site Testing

- 11 KV HT cable Testing
- 33 KV HT cable testing.
- Transformer Testing.
- Inverter Testing.
- SMU testing
- Cable testing

HT Line

- 11, 33, 66 Kv line work.
- HT Line laying & Termination

Professional Experience

1. Sr. Engineer Projects (VikramSolar.Ltd.) Jan-2017 to Till Date.

Project Undertaken--BEL (10 Mw)&Solar Power Plant in Itarsi MP under MNRE.

Scope of work--10 Mwp&20MWp on Grid Solar Power Plant atChitradurga (Karnataka).

Role--Sr. Engineer Electrical

Client--Jindal Aluminum Ltd. (20 MW)

Client—BEL (10 MW)

Responsibilities:-

Responsible for Project activities; Reporting the all related activities Sr. Project manager & Project Head, supervising overall project activities, Project Planning & scheduling, Execution, Assistance to Project Manager, keen estimator for finalizing the materials for Project Execution; Co-Ordination with Supply & Erection Vendors.

- Planning & Execution of MW scale PV Solar Power plants, develop quality procedures and checklist along with the manuals for the effective EPC execution, Develop supply chain network for PV modules, inverters and BOS components.
- Coordination with contactor and site Supervision & monitoring of the project during execution ensuring timely and profitable execution
- Preparation of MIS report for solar power project as per management required
- Review of Supplier Equipment Arrangement Drawings with respect to the Specification for, 66kv, 66kV Switchgear, Power Transformer, Distribution Transformer, Inverters, Modules, 33 XLPE cable, DC cable and DC System and arranging for Submission to Client.
- Review of Schematic Diagrams for Transformer Cooler Control, Remote Tap Changer Control Panel, DC Charger and DCDB, Inverter, RMU Installation ACDB, DC solar system & 11kV Switchgear and arranging for Submission to Client.
- Testing and commissioning of all electrical equipment of 20 MW solar plant like Power T/F, Inverter, SMB (string Monitoring Box), transformer, control panels, Circuit breakers, AB Switch, LA, Isolators, HT panels, LT panels, Relays, CT, PT, Earthling System, all Energy meter etc.
- Transformer, HT cable and Control panel Relay setting & Testing (Under voltage, Over voltage, under current & over voltage setting etc.)
- Fault analysis of electrical equipment like, Earth fault, Over-current fault etc.
- PV Module installation (Thin Film & crystalline type) and DC String Wiring from PV Module to module.
- Installation of light fixtures, cable tray, lightning protection system, etc.
- Design the earth mat layout for earthling system and execute the same Anchoring.
- SCADA Installation, Cable laying to RMU to Data logger, and HT panel or inverter and SMB,
- Vset installation for metering yard.
- Installation of WMS and Connectivity to SCADA.
- Fire Protection system.

2. Engineer Projects (Ujaas Energy Limited) Nov-2015 to Dec-2016

Project Undertaken--Solar Power Plant in Ichhawar under MNRE.

Scope of work—56MWp on Grid Solar Power Plant at Ichhawar&Sitamau

Role--Project Engineer.

Client--Narmada Switchgears, DPL, AML, Avon Cycle KRBI.

Responsibilities:-

Responsible for Project activities; Reporting the all related activities Sr. Project manager & Project Head, supervising overall project activities, Project Planning & scheduling, Execution, Assistance to Project Manager, keen estimator for finalizing the materials for Project Execution; Co-Ordination with Supply & Erection Vendors.

- Planning & Execution of MW scale PV Solar Power plants, develop quality procedures and checklist

along with the manuals for the effective EPC execution, Develop supply chain network for PV modules, inverters and BOS components.

- Coordination with contactor and site Supervision & monitoring of the project during execution ensuring timely and profitable execution
- Preparation of MIS report for solar power project as per management required
- Review of Supplier Equipment Arrangement Drawings with respect to the Specification for, 33kv, 11kv Switchgear, Power Transformer, Distribution Transformer, Inverters, Modules, 33 XLPE cable, DC cable and DC System and arranging for Submission to Client.
- Review of Schematic Diagrams for Transformer Cooler Control, Remote Tap Changer Control Panel, DC Charger and DCDB, Inverter, DC solar system & 11kv Switchgear and arranging for Submission to Client.
- Testing and commissioning of all electrical equipment of 30 MW solar plant like Power T/F, Inverter, STB (string termination Box), transformer, control panels, Circuit breakers, AB Switch, LA, Isolators, HT panels, LT panels, Relays, CT, PT, Earthing System, all Energy meter etc.
- Transformer, HT cable and Control panel Relay setting & testing (Under voltage, Overvoltage, under current & over voltage setting etc.)
- Fault analysis of electrical equipment like, Earth fault, Over-current fault etc.
- PV Module installation (Thin Film & crystalline type) and DC String Wiring from PV Module to module.
- Installation of light fixtures, cable tray, lightning protection system, etc.
- Design the earth mat layout for earthing system and execute the same Anchoring.

3 .Engineer-Projects (Max Energy Care-Contractual) Aug 2014 to Aug. 2015

Project Undertaken--Solar Power Plant in Anjar under MNRE.

Scope of work—20 MW on Grid Solar Power Plant at Anjar.

Role-Project Engineer.

Responsibilities:-

- Responsible for Project activities; Reporting the all related activities Sr. Project manager & Project Head, supervising overall project activities, Project Planning & scheduling, Execution, Assistance to Project Manager, keen estimator for finalizing the materials for Project Execution; Co-Ordination with Supply & Erection Vendors.
- Planning & Execution of MW scale PV Solar Power plants, Develop quality procedures and checklist along with the manuals for the effective EPC execution, Develop supply chain network for PV modules, inverters and BOS components.
- Coordination with contactor and site Supervision & monitoring of the project during execution ensuring timely and profitable execution
- Preparation of MIS report for solar power project as per management required
- Inverters, Modules, 33XLPE cable, DC cable and DC System and arranging for Submission to Client.
- Review of Schematic Diagrams for Transformer Cooler Control, Remote Tap Changer Control Panel, DC Charger and DCDB, Inverter, DC solar system & 11kv Switchgear and arranging for Submission to Client.

4- Engineer-Electrical J.J. Engineering Indore (July-2013 to May-2014)

Project Undertaken Narmada kshipra Dam in Madhya Pradesh

Scope of work:-33Kv Electrical control Panel installation in M.P.

Client:-Narmada kshipra project MP.

Responsibilities:-

- Responsible for Project activities; Reporting the all related activities project manager and QA/QC manager, Supervising over all electrical activities, Project Planning & scheduling, Execution, Assistance to Project Manager, keen estimator for finalizing the materials for Project Execution;

Co-Ordination with Supply & Erection Vendors.

- Surveillance report and inspection throughout the RFI. Making punch list against the incomplete works. Conduct material in section and verify the materials as per the purchase order requirements and from approved vendor, and assure the quality standards as per project specification. Coordination with various sub-contractors. Responsible for Supervision and package hand over, as built making and Documentation works
- Conduct site inspection to check on work progress and compliance to work specification.
- Preparation of MIS report for solar power project as per management required
- Testing and commissioning of all electrical equipment of Power T/F, transformer, control panels, Circuit breakers Switch, Isolators, HT panels with SF6 breakers, LT panels, Relays, CT, PT, Earthing System, all Energy meter etc.
- Fault analysis of electrical equipment like, Earth fault, Over-current fault etc.
- Cabling work for HT & LT cabling from RMU to RMU, RMU to transformer,
- Installation of light fixtures, cable tray, lightning protection system, etc.

Professional Qualification

- 2013: **Bachelor of engineering in Electronics and instrumentation Engineering**, SVITS Indore (Affiliated to RGTU Bhopal) with aggregate Percentage 71.00%

Educational Qualification

- 2006: **Intermediate (MP Board)**, Sarasvati higher Secondary School Shujalpur.
- 2010- **Diploma in Electronics and Telecom Engineering** Ujjain (Affiliated to RGTU Bhopal) with aggregate Percentage 65.50%

IT Skills

- **Operating System:** WINDOW- XP/7/8/10/VISTA
- **Tools :** MS Office, Advance Excel, Auto CAD ,MS PROJECT -2007

Personal Details

Name-----Kapil Carpenter
Date of Birth-----26th- Feb- 1991
Marital Status-----Married
Father's Name-----Mr. Suresh carpenter
Contact Address-----217/1 Jaihindmarg ward 05, Shujalpur
City, Dist-Shajapur MP-465333
Hobbies-----Playing Cricket, Swimming, Making Friends,

Declaration

I hereby affirm that the details provided by me are true to the best of my knowledge.

Date: -

Kapil Carpenter
Signature