

Ashish Kumar

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In quest of career enhancing opportunities in the field of

~Project Operation ~ Erection & Installation ~Project Planning ~ Solar Plant Audit

PROFESSIONAL OVERVIEW

B.Tech with total **7years** of experience and **3years** of experience in **SOLAR** field in Planning, Installation & Commissioning, Project Execution in Roof Top and Ground Mounted solar system, and i am also having experience in **Solar Power Plant Audit of 800MW** as per IEC-62446 and **Module Pre-dispatch Inspection of 130Mw** as per IEC-61215 in **CHINA, BANGKOK** as well as in India for KW and MW Solar Projects.

Employment History

- Working in **SUNAURA TECHNOLOGIES PVT. Ltd.** as a Sr. Project Engineer of SOLAR PLANT in GURUGRAM, from 1st Aug-2016 to till date.
- Worked in **SUNSHINE TECHNOCON PVT. Ltd.** as an Installation and Commissioning Engineer of SOLAR PLANT in GURGAON, from July-2015 to July-2016.
- Worked in Energy Mantra India Pvt. Ltd as an **Assistant Manager (Energy Auditor)** in Lucknow, from June-2011 to April-2015.
- Worked in NAVJEET INDUSTRIES as a **Production Eng. Of Transformers** in Panki Kanpur from Aug-2010 to Feb-2011.

Scope of Excellence Entails

- Timely Installation/Execution	- Project Management	- DPR and PFR
- Manpower Management	- Material Management	- Safety Compliance
- Solar Plant Audit (IEC-62446)	- Module Pre-Dispatch Inspection (IEC-61215)	-PV-Syst
- AutoCAD	- HelioScope	- Energy Analysis
- Inspection of MMS (PDI)		

Currently Associated with **SUNAURA TECHNOLOGY PVT. LTD (A Group Company of Emergent Ventures)** as a **Sr. Project Engineer.**

Detailed Tasks Assigned

- Expertise in Site Survey and Estimation of the Solar capacity, Solar Power Plant Operation, Maintenance, Project Execution, Testing & Commissioning and
- Having good experience of Solar Plant Audit as per **IEC-62446** Standard
- Having good experience of Pre- dispatch Inspection of PV modules as per **IEC-61215** Standard.
- Supervising Project activities, handling the complete project management cycle entailing requirement gathering & execution of projects.
- Anchoring, On-site Erection & Installation activities and ensuring completion of assignment within the time & cost parameters and effective resource utilization to maximize the output.
- And also Actively Participated in all Civil and Structure works like Marking, Inspection of Auguring & Inspection of MMS (Module Mounting Structure).
- Design of Solar roof top, Calculation of string, Selection of Inverter etc. Preparing of BOQ, BOM, Project chart and arrange the execution team on site.
- Leading efforts across supervising all work at the sites & ensuring that the work done is in conformity with the specific requirements.
- Study of drawings and coordinate with engineering department for any correction at site.
- Quality verification of electrical works which performed by venders at site.
- Inspection of material at factory level which deliver at site for project.

CAREER RECITAL

SunAura Technology Pvt. Ltd.:- (Formerly known as Sun Shine Technocon Pvt. Ltd.) Presently working in SUNAURA TECHNOLOGIES PVT. LTD. as a **Sr. Project-Engineer** of SOLAR PLANT. The company work as a Turnkey Consultant and in designing for Solar PV Power Plant, for both Roof Top and Ground Mounted system.

Job Profile: Installation, Testing & Commissioning Engineer of Solar Power Plant.

Positions held: Sr. Project-Engineer

Project Completed:

- ☐ Installation and Commissioning of 22KW Solar Rooftop in **SILVER CORD** at IMT Manesher, **Gurugram.**
- ☐ Installation and Commissioning of 20KW Solar Rooftop at **DLF GOLF COURSE ROAD Sec-57, Gurugram.**
- ☐ Installation and Commissioning of 10KW Solar Rooftop in **RYAN INTERNATIONAL SCHOOL SEC-31, Gurugram.**
- ☐ Installation and Commissioning of 43KW Solar Rooftop in **SCOTTICH HIGH INTERNATIONAL SCHOOL, SEC-57, Gurugram.**
- ☐ Installation and Commissioning of 150KW Solar Rooftop in **Indian Gym Khana Club, Bangalore.**
- ☐ Installation and Commissioning of 52kW Solar Rooftop in **Anand Breeding Farm, Bangalore.**

- ❑ Installation and Commissioning of 1MW Ground Mounted Solar Power Plant in **Narnaul, Haryana.**
- ❑ Installation and Commissioning of 100kW Solar Rooftop in **Tronica City, Noida.**
- ❑ Installation and Commissioning of 22kW Solar Rooftop in **EWS Flats, Golf Course Extension Road, Gurugram.**
- ❑ Installation and Commissioning of 16kW Solar Rooftop in **Telebagh, Lucknow.**
- ❑ Installation and Commissioning of 18kW Solar Rooftop in **Sec-21, Gurgaon.**
- ❑ Installation and Commissioning of 35kW Solar Rooftop in **Sainik Farm , Rajokari New Delhi.**
- ❑ Installation and Commissioning of 35kW Solar Rooftop in **NIPA International Pvt. Ltd. Gurugram.**
- ❑ Installation and Commissioning of 45kW Solar Rooftop in **Blue Square Pvt. Ltd. Gurugram.**
- ❑ Installation and Commissioning of 40kW Solar Rooftop in **Yashoda Farm, Rajokari, Gurugram.**
- ❑ Installation and Commissioning of 10kW Solar Rooftop in **Vardan Hospital, Gurugram.**
- ❑ Installation and Commissioning of 100Kw Solar Rooftop in **Poultry Farm, Bangalore.**
- ❑ Installation and Commissioning of 55Kw Solar Rooftop in **Bangalore.**
- ❑ Installation and Commissioning of 30kW Solar Rooftop in **Lucknow.**
- ❑ Installation and Commissioning of 18kW Solar Rooftop in **Lucknow.**
- ❑ Installation and Commissioning of 90kW Solar Rooftop in, **Cold Storage Unnao.**
- ❑ Installation and Commissioning of 35kW Solar Rooftop in **Unnao.**
- ❑ Installation and Commissioning of 16kW Solar Rooftop in **Aryan Restaurant Lucknow.**
- ❑ Installation and Commissioning of 45kW Solar Rooftop in **Senani Vihar near Raebareli road Lucknow.**
- ❑ Installation and Commissioning of 30kW Solar Rooftop in **Senani Vihar near Raebareli road Lucknow.**

Activities performed:

- Delivering end-to-end solutions for solar rooftop plants. Erection as per standards and drawings as per requirement. Project management.
- Preparing of BOQ and BOM of the project.
- Preparing project chart and arrange the execution team on site. Preparation of erection protocols.
- Material follow up and ensuring the sequential availability of material during various stages of erection.
- Controlling all construction and commissioning activity at site. Maintaining materials records and materials follow up.
- Reviewing the work done by the contractors and subordinates.

Pre-Dispatch Inspection of Solar Modules: -

Pre-dispatch Inspection of Solar Modules as per **IEC-61215 Standard:-**

- a) Review of QAP verifications/certifications of inline inspections.
 - b) Dispatch and pre-dispatch inspection.
 - c) Material inspection.
 - d) In-line manufacturing monitoring.
 - e) Packing and warehousing check.
 - f) Pre-shipment inspection of finished products:
 - Sampling plan
 - Visual inspection
 - Function test (including EL and IV retest)
 - g) Lab test witness
 - Visual Inspection
 - Maximum power determination (Flash Test)
 - Insulation test
 - Mechanical Load Test
 - Wet leakage test
 - Electro luminescence pictures
 - h) Submit a report at the End of inspection.
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- **Audit Done in EMMVEE Photovoltaic Company, Bangalore of PV Modules for 2Mw Solar Plant as per IEC-61215.**
 - **Audit Done in ZN Shine Pvt. Ltd. Jintan, Jiangshu, CHINA of PV Modules for 70Mw Solar Plant as per IEC-61215.**
 - **Audit Done in WAARE Photovoltaic Company Suarat, Gujarat of PV Modules for 3Mw Solar Plant as per IEC-61215.**
 - **Audit Done in Vikram Solar photovoltaic Company Falta, Kolkata of PV Modules for 15Mw Solar Plant as per IEC-61215.**
 - **Audit Done in WAARE Photovoltaic Company Suarat, Gujarat of PV Modules for 3Mw Solar Plant as per IEC-61215.**
 - **Audit Done in CANADIAN Photovoltaic Company Thailand, Bangkok of PV Modules for 5Mw Solar Plant as per IEC-61215.**
 - **Audit Done in WAARE Photovoltaic Company Suarat, Gujarat of PV Modules for 5Mw Solar Plant as per IEC-61215.**
 - **Audit Done in EMMVEE Photovoltaic Company, Bangalore of PV Modules for 19Mw Solar Plant as per IEC-61215.**
 - **Audit Done in Vikram Solar photovoltaic Company Falta, Kolkata of PV Modules for 7Mw Solar Plant as per IEC-61215.**
 - **Audit Done in BHEL , EPD Bangalore of PV Modules for 5Mw Solar Plant as per IEC-61215.**
 - **Audit Done in EMMVEE Photovoltaic Company, Bangalore of PV Modules for 4Mw Solar Plant as per IEC-61215.**

Audit of Solar Power Plant: -

Solar Power Plant Inspection as per **IEC-62446 Standard:-**

- i) Visual Inspection of the Solar Plant.
 - j) IV curve characteristics of the strings with IV Curve Tracer.
 - k) Insulation Resistance and Ground Continuity of the plant.
 - l) IR images of the PV module with Infrared Camera.
 - m) Submit a report at the end of inspection.
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- **Audit Done OF 15Mw** Solar Plant in Bellary, Bangalore.
 - **Audit Done OF 30Mw** Solar Plant in BAAP & BHADLA, Rajasthan.
 - **Audit Done OF 30Mw** Solar Plant in Bagbhara Chhattisgarh.
 - **Audit Done OF 45Mw** Solar Plant in (Ramanapet, Bhainsa & kammareddy), Hyderabad.
 - **Audit Done OF 20Mw** Solar Plant in BAAP, Rajasthan.
 - **Audit Done OF 100Mw** Solar Plant in Mhasale (Sakri), Maharashtra.
 - **Audit Done OF 40Mw** Solar Plant in Charanka, Gujarat.
 - **Audit Done OF 30Mw** Solar Plant in Mandsaur, MP.
 - **Audit Done OF 50Mw** Solar Plant in Ichawar, MP.
 - **Audit Done OF 25Mw** Solar Plant in Bidar, Bangalore.
 - **Audit Done OF 1Mw** Solar Plant in Narnaul.
 - **Audit Done OF 5Mw** Solar Plant in Sirohi, Mount Abu.
 - **Audit Done OF 190Mw** Solar Plant in Hindupur, Pattikonda, Yemmiganur, Kuppam, Raichotti, Hyderabad.
 - **Audit Done OF 30Mw** Solar Roof Top Plant in Mansa, Punjab.
 - **Audit Done OF 5Mw** Solar Plant in Tinwary, Jodhpur.
 - **Audit Done OF 5Mw** Solar Plant in Baap, Jodhpur
 - **Audit Done OF 40Mw** Solar Plant in Hampi, Karnataka.
 - **Audit Done (Visual Inspection) OF 30Mw** Solar Plant in Jaipur, Rajasthan.
 - **Audit Done OF 30Mw** Solar Plant in Charanka, Gujarat.
 - **Audit Done OF 20Mw** Solar Plant in BAAP & BHADLA, Rajasthan
 - **Audit Done OF 40Mw** Solar Plant in kammareddy, Hyderabad.
 - **Audit Done OF 30Mw** Solar Plant in Patan, , Ahmedabad.
 - **Audit Done OF 25Mw** Solar Plant in Desha Ahmedabad.

Energy Mantra India Pvt. Ltd.:- I worked here as a Assistant Manager, basically works as an outsourcing agency in power sector and offers its clients a full range of services including energy audit for small and medium enterprises, open access power purchase support services to those companies which are having load more than 100kva, technical & legal services and advisory.

- Correction of electricity bills according to “**Electricity Supply Code-2005**” and “**Tariff** “ order of Uttar Pradesh Electricity Regulatory Commission.
- Vetting of monthly electricity bills of Industrial Consumer having **HV-II Connection**,
- prepared by concern distribution licensee as well as checks previous year’s bills and prepare detail analysis which helps in recovery of excess amount, if charged by licensee.
- Verify monthly TOD reading with the help of the MRI software (meter reading instrument).

- Correspondence with client and also with department on behalf of client and works as an outsourcing agent in power sector.
- Handle Routine meeting with company clients regarding their routine problems on Electricity.

Education

Name of Institution/University	Degree Obtained
Kanpur Institute of Technology, Kanpur	B. Tech in Electrical & Electronics

Languages

Language	Reading	Listening	Speaking
English	Excellent	Excellent	Good
Hindi	Excellent	Excellent	Excellent

PERSONAL DOSSIER

Father's Name : Hari Ram
 Date of Birth : 3rd Oct, 1988
 Marital status : Single

DECLARATION-

I hereby declare that the above-mentioned particulars are true to the best of my knowledge.

Date : Ashish kumar

Place : Gurgaon