Jaldeep Kumar ***Mob No:*** +91-9413004430, 7014550595
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PROJECT ENGINEER (ELECTRICAL)

Having 4 MW solar on-grid project experience as a Project & Design engineer in developing SPV Plant. My role is in project site supervision & basic engineering of Land based, Roof Top and Tin Shade based projects.

I'm determined, hardworking and enthusiastic. My objective is to acquire a position that offers me the opportunity to manifest my technical expertise, problem solving skills and willingness to learn and to move up the corporate ladder.

WORKING EXPERIENCE

Designation: Project Engineer (Site Incharge)
Company: **Geeta Electronics & Solar, Jaipur, Rajasthan (Solar EPC and I&C Division)**
Working: **August-16 to Present**

Designation: Assistant Professor
Company: Poornima College of engineering, Jaipur, Rajasthan
Working: July 2013 – August-16

ROOF TOP & TIN SHADE PROJECTS

Sr.No.	PLANT CAPACITY	LOCATION	CLIENT
1	**1 MWp**	Udaipur Rajasthan	MohanLal Sukhadiya University
2	120 KWp	Bhilwara Rajasthan	Mayur fabric Pvt.Ltd
3	9 KWp	Bhilwara Rajasthan	Jindal Saw Ltd
4	100 KWp	Bhilwara Rajasthan	Metro Sulz Pvt. Ltd
5	23 KWp	Bikaner Rajasthan	Shri Niwas Hotel
6	**500 KWp**	Delhi	SDMC delhi south
7	50 KWp	Karnal Haryana	Sainik School Karnal
8	50 KWp	Chandigarh	D-mart
9	**500 KWp**	Lucknow UP	T S Mishra Medical College & Hospital
10	2 KWp	Bhilwara Rajasthan	Jindal Saw Ltd
11	50 KWp	Bhilwara Rajasthan	International Minerals Pvt.Ltd
12	**700 KWp**	Lucknow UP	Dr. Sakuntala Mishra University
13	165 KWp	Karnal Haryana	DC Office & Judicial Complex
14	250 KWp	YamunaNagar Haryana	DC Office & Judicial Complex
15	100 KWp	Udaipur Rajasthan	Narayan Seva Sansthan Badi
16	30 KWp	Assam	HPCL
17	300Kwp	Jaipur Rajasthan	Regional College of Engineering Sitapura

PROJECT ENGINEER ESSENTIAL DUTIES

- Coordination of installation schedules; management of staffing to ensure on time completion.
- Each day evening taking 30min meeting with the juniors and supervisors for the whole day task report and resolve any problems and allocating the next day task and ensure the material availability and required tools
- Coordination of permitting for projects.
- Coordination with various vendors for the material delivery
- On-site Material bill handling, Material quality checking, Quantity checking

- On- site tools management
- As per site requirement material delivery nearest to execution site
- Coordinate with development and engineering to develop preliminary design budget.
- Prepare bid packages and procure materials and services as needed.
- Create project budget based upon quotes and bids; track project costs.
- Perform regular check-ins with job superintendents to gauge project progress.
- Serve as point-of-contact for customers/clients during each project.
- Provide progress reports and other status updates to client and management as required.
- Maintaining records and databases
- Troubleshooting issues relating to installations

AC SIDE ENGINEERING IN SOLAR POWER PLANT

1. Preparation of Single Line Diagram.
2. Calculation of Plant Auxiliary Consumption.
3. Selection and sizing of HT Power Cable as per IEC 60287.
4. Selection and sizing of LT Power Cable as per IEC 60502.
5. Calculation of UPS Sizing and its battery.
6. Calculation of AC/DC Plant Earthing (IS 3043).
7. Calculation of Early Streamer Emission type lightning arrester (NFC17-102 standard).
8. Calculation of Conventional type lightning arrester (IS 2309).
9. Preparation and Designing of cable trench route of Switchyard, Control room Building & Overall Plant Area (IS 1255).
10. Preparation of cable tray layout of Switchyard & Main control Building (IS 1255).
11. Selection of Cable tray for HT/LT/Communication cable in Switchyard & Control room Building.
12. Preparation of HT /LT/communication Cable Schedule.
13. Pre-dispatch inspection & testing of AC/DC wire using megger meter checking the insulation, continuity etc.

DC SIDE ENGINEERING IN SOLAR POWER PLANT

1. Preparation of Single Line Diagrams
2. Preparation of shadow analysis using Google Sketch Up.
3. Preparation of PV Syst Report using PV Syst software.
4. Preparation of Plant Module Layout & Overall Layout.
5. Calculation /Selection of DC Solar & Power Cable.
6. Calculation of PV modules String sizing.
7. Calculation of DC power loading.
8. Sizing of DC Battery Bank (IEEE – 485)
9. Preparation and Designing of DC Solar & Power cable trench route of Overall Plant (IS 1255).
10. Preparation of DC Solar & Power Cable trench layout of Overall Plant Area (IS 1255).
11. Selection of conduit for DC Solar Cable (IS 1255).
12. Preparation of Technical specification PV Modules/Inverter/SMU/DC Switchgear.
13. Selection of PV Modules/Inverter and SMU.
14. PDI of inverters (Routine test, AC side test, DC side test)
15. PDI testing of PV modules.
16. PDI test of Solar mounting structure (Hole sizing, alignment, size, thickness, GI coating etc.)

MISCELLANEOUS ENGINEERING IN SOLAR POWER PLANT

1. Material Procurements & Vendor development
2. Preparation Technical specification of Communication device
3. Selection of fire alarm control Panel system.
4. Selection of Weather Monitoring Device.
5. Project management skills like project line-up, material delivery schedule, installation guidelines & strategy with juniors
6. Complete knowledge of I&C tools

COMPUTER PROFICIENCY

1) PVSYST & NREL-SAM (Solar PV Power Plant Analysis)
2) Google Sketch up (Shadow Calculation)
3) Metronome (Solar Radiation Analysis)
4) Auto CAD (Designing Tool)
5) Microsoft Office Software likes MS Excel, MS Word, MS Power Point etc.

B.TECH PROJECT

1. Automatic Washing Machine Motor Controller.
2. Solar Train.

TRAINING

Successfully completed B.Tech Two months Training at 1500 MW Suratgarh Super Thermal Power Station Suratgarh, Rajasthan.

M.TECH THESIS

An Analytic and Comparative Approach of MPPT to Improve the Efficiency of Solar PV Based 1KWp DC Grid Using Fuzzy Logic Control and P&O Technique.

IEEE PAPER

Published and Presented a paper entitled "Fuzzy and P&O MPPT Techniques for Stabilized the Efficiency of Solar PV System" International Conference on Computing, Power and Communication Technologies (GUCON-2018) held at Radisson Blu Hotel Greater Noida, Utter Pradesh on Sep 28-29,2018.

SOLAR ACHIEVEMENT

Certificate to Completion Online Course on "Solar Photovoltaic Off-grid and On-grid Design & Installation" approved by MNRE and NIWE on June 10, 2018.

ACADEMIC BACKGROUND

EDUCATIONAL QUALIFICATION	Board/ University	Institution	Percentage	Year of passing
M.Tech Branch: Electrical Engineering	RTU KOTA	Aravali Institute of Technical Studies Udaipur Rajasthan	73.78%	2018
B.Tech Branch: Electrical Engineering	RTU KOTA	Laxmi Devi Institute of Engineering & Technology Alwar Rajasthan	68.68%	2012
Intermediate(12^{th})	RBSE	BPRVM KOTPUTLI	59.10 %	2007
High School(10^{th})	RBSE	Govt. School KOTPUTLI	55.67 %	2005

ACHIEVEMENTS/AWARDS

1) Participation Social Work in College.
2) Active Participation &Volunteering in cultural fest.
3) Paper publish in National & International conferences.
4) Attend various workshop & seminar conduct by IIT & NITs

Personal Skills

1) Punctual and hardworking.
2) Eagerness to learn and ability to imbibe quickly.
3) Enthusiastic and Devoted
4) Team worker and self-motivated
5) Ability to problem solve both personnel issues and project issues
6) Good record keeping and organizational skills
7) Ability to travel regionally, depending on project location

PERSONAL DETAILS

Mother's name:	Mrs. Sawatri Devi
Father's name:	Mr. Vijay Singh
Date of birth:	16.12.1991
Languages:	English & Hindi
Permanent Address:	VPO-Chhardara, Teh-Kotputli, Dist-Jaipur, Rajasthan-303105

Declaration: The information provided above is correct to the best of my knowledge.

Date: 01.06.2018

Place: JAIPUR JALDEEP KUMAR