

## **"SOLAR DIVISION"**

**From :**



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**Dear Sir/Mam,**

*I am an electrical engineer graduated from University Of Pune, Maharashtra and having **4+ years** of executive experience in the field of **Design, Projects and Tendering Division for the following Projects:***

-  *Solar PV Rooftop Power Plants (Ongrid & Off grid )*
-  *Solar –Wind hybrid Power Plants*
-  *Solar PV Street Lighting Systems*
-  *Solar PV Home Lighting Systems*
-  *Solar Water Pumps*
-  *Solar Water Heaters*
-  *Solar Power Packs*
-  *Solar Lanterns*
-  *Led based Lighting Projects.*
-  *Hybrid Electric Vehicles*

*I am a person with fast learning, Positive attitude, imitativeness and above all, I am a good team leader with quality of completing all Projects revenue targets within given time and budget paramenters.*

*I am presenting my resume for your kind information.*

*Thanking you.*

## **CURRICULUM VITAE**

**Current Working Location :** Noida (Delhji-NCR), India

**Reporting to :** Design Manager

**Team Handling :** 10 Nos.

### **Major Projects Handled:**

- ✦ **Maharashtra Energy Development Agency (MEDA), Pune** – Project : Successfully done Design, Installation & Commissioning of Solar Home Lights (40 W )- 10,000 Nos. and Solar Street Lights (75 W) – 8,000 Nos. in the rural district areas of Maharashtra district namely : Nandurbar, Nagpur, Chandrapur, Raigad, Nasik, Sindhudurg, Thane.
- ✦ **Hindustan Aeronautics Limited (HAL), Nasik** – Project : Successfully done Design, Installation & Commissioning of Solar Street Lights ( 75 W – LED based) – 550 Nos. in the rural areas of Nasik district.
- ✦ **Noida Development Authority, Delhi- NCR** – Project: Successfully executed replacement of 250 W Metal – Halide Street lights with 96 W LED Street Lights for Energy Savings purpose on 25 KM road of Noida Express highway.
- ✦ **Maharashtra Tourism & Development Corporation (MTDC), Pune** - Project: Successfully done Design, Installation & Commissioning of Solar Street Lights ( 150 W – LED based) – 100 Nos. in MTDC Resort, Mahashej Ghat , Pune located 750m above sea level.
- ✦ **Energy Saving Surveys** – Project: Executed successfully Energy Savings Surveys for replacement of conventional lamps with LED lamps in MSRTC ( Kurla Bus Depot, Mumbai), ICWAI , Nasik and Beed district of Maharashtra.
- ✦ **Oil & Natural Gas Corporation (ONGC), Uran, Mumbai-** Project : Successfully done Design, Installation & Commissioning of 2.5 KW (Solar- Wind) Hybrid Power Plant.
- ✦ **Indian Oil Corporation Limited (IOCL) – Petrol Pump, Agra** : Successfully done Design, Installation & Commissioning of 6 KWp Solar PV Power Plant (Hybrid).
- ✦ **Solar PV Rooftop Grid –Tied Power Plant (150 KW)** – Successfully done Design & Development , Component sizings for an educational institution (Location: Sector 31, Gurgaon, Haryana)
- ✦ **Solar PV Rooftop Grid –Tied Power Plant (250 KW)** – Successfully done Design & Development , Component sizings for a Industrial Project (Location: Sector 69, Faridabad )
- ✦ **Solar PV Rooftop Grid- Tied Power Plant (500 KW):** Successfully done Design & Development , Component sizings for a Educational Institute Project (Location: Haryana )
- ✦ **Solar PV Rooftop Grid- Tied Power Plant (500 KW):** Successfully done Design & Development , Component sizings for a Industrial Project (Location: Haryana )
- ✦ **Solar PV Rooftop Grid- Tied Power Plant (100 KW):** Successfully done Design & Development , Component sizings for a Industrial Project (Location: Chandigarh)
- ✦ **Solar PV Rooftop Grid- Tied Power Plant (1MW):** Successfully done Design & Development , Component sizings for a Industrial Project (Location: Haryana)

## **Career Objectives**

*Aspiring for the post of engineering that can provide challenging work and increase my knowledge base and best effort for the development of the organization.*

## **Professional Qualifications**

**B.E (Electrical Engineering)** from **University of Pune ( 2012)** with First Class.

### **1. Working with M/s SunSource Energy , Noida, India**

*Duration: Dec 2016 to Till now.*

*Designation: Sr. Engineer (Design)*

## **Company Profile**

*SunSource Energy develops, engineers, procures, constructs, and operates solar power plants and projects, to help Clients in institutional, industrial, commercial and non-profit sectors use solar energy more intelligently and efficiently.*

*Embarking on a solar project involves many technical considerations such as selecting optimized solar panels, inverters, mounting systems, tilt, azimuth, metering and monitoring for your specific site, as well as commercial choices including policy approach, equity and debt funding, and ensuring that the benefits are fully realized over the lifetime of the system, minimizing the Levelized Cost of Energy ("LCOE") for the end customer.*

*We strongly believe that both technical and commercial decisions are vital and making the right choices for your project determines whether your investment will generate the right level of positive returns, and realize the benefit of LCOE minimization. From planning and feasibility to the turnkey handover of photovoltaic systems, SunSource Energy offers its clients complete solar solutions.*

## **Job Profile**

- 1. Performing Final Site Survey for Solar Rooftop Project with team.*
- 2. Documentation of Final Site Survey Report.*
- 3. Detailed Discussion with the Design Manager and team for initiation the Electrical Design phase of the Project.*
- 4. Working in Design Phase of the project with team for Complete Electrical Design creation and BOM creation using Autocad and PV syst softwares.*
- 5. Discussion with the Design Manager for Final Electrical Design and BOM approval.*
- 6. Generating and delivering Prelim Design and BOM of the Project to Business Development team and Costing team for sending the quotes to Client.*
- 7. Client Coordination for technical queries clarification.*
- 8. Team leading and Coordination.*

## **2. Worked with M/s Daiz Solar Inc, Gurgaon, India**

*Duration: May 2016 to Dec 2016*

*Designation: Project Coordinator (Solar)*

### **Company Profile**

*Daiz Solar Inc is basically an EPC company based at Gurgaon, Haryana. We have more than 25 years of experience in the Solar industry which give us enough expertise to understand your needs and deliver you the best as per your requirements. Our team of expertise and highly skilled professionals have successfully installed Megawatt power projects and roof-top power plants.*

*We have been an established and growing EPC Player in Solar with an excellent track record for the best client satisfaction. We have never compromised on the quality and the services provided to our clients as we mainly focused on client satisfaction towards our products at a competent price. We believe in preserving our nature by generating eco-friendly and uninterrupted power supply.*

### **Job Profile**

- 1. Supporting the site surveyors team and also conducting major prelim site surveys for clients sites.*
- 2. Collection and documentation of site surveys data.*
- 3. Preparation of Techno-commercial reports/Proposal using PV Syst, Meteonorm, Autocad, Google sketchup, Dialux softwares.*
- 4. Module mounting systems –structural drawings and SLD creations using Autocad softwares.*
- 5. Entire solar power components sizings, Energy yield calculations via PV Syst, PV Sol softwares.*
- 6. BOM and BOS creations and handing over to procurement department.*
- 7. Coordinating with Vendors. Vendor selection activities.*
- 8. Support to Sales & marketing team for technical clarifications & support.*
- 9. Coordination with Clients for technical clarifications.*
- 10. Participation in tender activities. Preparation of technical & financial bid documentation.*

### **3. Worked with M/s Minda Energy Pvt. Ltd, Ghaziabad (Delhi-NCR), India**

*Duration: Sept 2013 to May 2016*

*Designation: Project Engineer (Solar PV Projects)*

#### **Company Profile**

*Minda Energy Pvt. Ltd. is a well reputed ISO and CE registered company in the field of Solar Energy Sector and providing a wide range of services pertaining to affordable and diverse needs of the global customer.*

- ✓ *Tendering and Consultation*
- ✓ *Site Assessment and Solar Analysis*
- ✓ *System Design and Installation*
- ✓ *Service and maintenance*
- ✓ *EPC of solar PV projects*

#### **Job Profile**

✚ *Performing Preliminary Design and Complete Project Design using **PV Syst Software, Solar Design Tool-Software** for Grid Connected Solar PV projects, Off grid Solar PV projects, Solar Water Pumps:*

- *Evaluation of Solar PV Potential and possible constraints of a Project in a given geographical situation.*
- *Using different meteorological data of different places and performing System design, Shading analysis, losses determination and economic evaluations.*

*Solar PV Module Structures fabrication designs and Electrical components connections diagrams, single line diagrams making by use of **AUTOCAD software**.*

✚ *Performing Site Surveys.*

✚ *Performing Solar PV Components Sizings & calculations by Manual & Excel Sheet Calculations for System Design:*

- *Solar Battery System Sizing*
- *PV Solar Array Sizing*
- *Solar Charge Controller / Solar Inverters System Sizing*
- *Solar DC cables and AC Cables Selections*
- *Array Junction Boxes Sizing and Selections*
- *Grounding of PV Systems Components*
- *Making SLD and Wiring Connections Diagrams*
- *Performing Load Calculations*

✚ *Preparing Bill of Material (BOM), Detailed Projects Report (DPRs).*

✚ *Vendors Coordinations.*

#### **4. Worked with M/s Research Center Sustainable Solutions Pvt. Ltd, Nasik, India**













*Duration: July 2012 to Aug 2013*

*Designation: Development Engineer (Solar PV/LED Projects)*

##### **Company Profile**

*Research Center Sustainable Solutions Pvt. Ltd. is an Indian Company with clear focus on Product development, manufacturing & customized renewable energy solutions within time & budget parameters.*

##### **Job Profile**

-  *Design , Development, Installation & Commissioning of Solar LED based Street Lighting & Home Lighting Systems, Hybrid Electric Vehicles.*
-  *Performing Testings for Solar LED Street & Home Lighting Systems.*
-  *Fabrication Structure Designing for Solar Led Street & home Lighting Systems.*
-  *Procurement of Fabrications material, Solar Batteries, Solar Modules, Battery Boxes.*
-  *Business Development Activites for Solar LED Street/Home Lightings Sytems/, Solar Charge controllers, LED Lamps, Solar Lanterns etc.*
-  *Part of Designing , Installation & Commissioning of Solar PV Power Plants- Grid & Off - Grid , Hybrid Type.*
-  *Testing , Installation & Commissioning, retrofitting of 70 W, 150 W, 250W & 400 W Sodium Vapour & 150 W, 250 W & 400 W Metal Halide Street & Focus Lightings to LED based lamps.*
-  *Hiring contractors for installation & Commissioning of Solar Projects.*
-  *Making Quotations, Performa invoices, Solar PV Projects Proposals for Clients.*
-  *Making Installation, Maintenance manuals for Solar Products.*
-  *Vendors and Clients Management.*
-  *Installation & Commissioning of 3 W- 300 W LED lamps for Indoor /Outdoor/Highway Lighting Applications etc.*

### **Solar Tendering Management Experience:**

- *Understanding the rules of Tendering, Tender synopsis, Tender NIT, guidelines etc.*
- *Raising bid related queries , defining project requirements and parameters, coordinate with engineering and other department for technical feasibility, cost estimations etc.*
- *Preparation for Techno- commercial and price bid documents etc.*
- *Completing Vender enlistment registrations with different government agencies.*
- *Understanding the guidelines for Online and Offline Tendering System.*
- *Attending Tender Pre- bid meetings.*
- *Undertaking a Bid/No Bid exercise to decide whether to make a submission or not*
- *Timely management /follow ups charts of tender activities*
- *Review of drafts and effecting improvement*
- *Methodologies and executive summaries*
- *Copy-writing, where appropriate*
- *Design and presentations.*
- *Obtaining feedback from purchasers when tenders are unsuccessful in order to improve in future*
- *Help with interviews and corresponding with purchasing authorities*
- *Give guidance with business and marketing development*
- *Provide insight and analyses of forthcoming opportunities, purchasers' mindsets, best practice and dealing with purchasers.*

### **Technical Tools Using:**

- a. **Solar PV System - Study , Sizing, Data Analysis Software:** *PV Syst, Solar Design Tool etc*
- b. **CAD –Software :** *AUTOCAD*
- c. **Operating Systems :** *Windows XP , Windows 7,10*
- d. **Office Tools :** *MS- Office, Google Applications etc.*

***Thanking You....***