F-27,qutab vihar phase new delhi-71  
 Cell: 9910688418  
 rajputdeep15@gmail.com

***Chakradeep Singh***

**Solar Power Engineer**

**Professional Summary**

Responsible and experienced Solar Power Engineer with an excellent record of individual and corporate customer satisfaction. Mindful of and knowledgeable about all local, state and federal environmental rules and regulations. Adept at explaining complex technical engineering concepts clearly and accessibly to a wide variety of professional and non-professional audiences.

**Core Qualifications**

* Created or approved accurate energy model of entire plant in PVSYST. Calculated expected solar energy production
* Shading analysis using AutoCAD 2D/3D, and Google SketchUp
* Designed system specifications to adhere to NEC or to CSA
* Developed single-lines, layouts, equipment specifications, cabling, conduit, and panel schedules
* Performed voltage-drop calculations, short-circuit calculations and cable studies using CYMCAP and ETAP
* Computed accurate takeoffs and prepared the data for inventory analysis, pricing and procurement
* Estimated full EPC cost via detailed cost-matrix and local procurement relationships
* Prepared, submitted and tracked through approval of solar PV system proposals, plans and drawings to clients and contractors, building permit departments and associated government organizations
* Presentation of the engineering component of the proposal on high-level meetings and conferences

**Experience**

June 2015 to Present Aura Renewable Energy pvt ltd, As Solar Design Engineer

* Designed Single line diagram
* Creating detail project report
* Pricing,boq and bom.
* Contour Survey
* Tender participation
* Arranged and conducted customer site visits.
* Corresponded with local and state regulatory authorities.
* implemented detailed construction drawings.
* Assisted in project commissioning and pricing.
* Provided technical assistance to project manager and sales development manage required.
* Monitored and updated construction drawing sets.
* Arranged and conducted individual and group customer site visits as requested.
* Drafted and submitted post-construction project reports.

**Technical Expertise**

• Good knowledge of solar PV system (off-grid/on-grid).

• Selection & Understanding of the Balance of Systems (BOS) and its operations.

• Experience in selection and finalizing bill of materials (BOM).

• MIS reporting & making required changes to the execution schedule.

• Software skills:- MS Projects, Power point, Excel, PVSyst, PV Sol, RetScreen, SAM, Meteonorm, etc..

• Vendor vetting.

**Project Undertaken**

* 1.5 Mwp consultancy MES kheria Agra.
* 100 kw Grid Tied at kataria Ahemdabad.
* 50 kw at kataria vadodara
* 75 kwp and 47.5 kwp Homeopathy college Vadodara
* 40 kwp sector 37 faridabad.
* 30 kwp off grid solar power plant at SMC School allahabad.
* Various project in Mes, Indian railway,bsnl etc.

**Education qualification**

• B.Tech (electronics and communication) from GITM (MDU).

• Senior secondary(modern international dwarka) from “CBSE”.

• Vocal training

• Completed three months summer training with“BHEL in photovoltaics”.

• Completed three months summer training with“Airport Authority of India”.

• Completed three months summer training with“Robo Species in Embedded System”.

***Personal Details***

* Father name: Mr. Bahoran singh.
* Date of Birth: 20 oct 1992.
* Languages known: Hindi and English.
* Address: f-27 qutab vihar phase-1 new delhi-110071.
* Hobbies: playing cricket,watching movies,listening music,drama.