

SAMEER KAPILA
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9821388400, 9891047538

Nationality	Indian
Year of Birth	9 th Feb, 1990
Profession	Electrical Engineer/Solar Engineer
Position in Group	Assistant Manager Design
Year of joining Group	Feb 2017 -Present

KEY QUALIFICATIONS

Electrical Engineer with over 5 years' Total experience and Solar Engineer with 4 Years' Experience.

Area of Expertise:

- Detailed Engineering & Design
 - Project cost estimation.
 - Preparation of Detail Project Report (DPR).
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EDUCATIONAL AND PROFESSIONAL STATUS

Post Graduate in Renewable Energy from TERI University, 2018

Bachelor's Degree (B.Tech) in Electrical Engineering from U.P.T.U University, 2012

TRAINING AND ACHIEVEMENTS

- Served as a project lead for 20+MW Rooftop projects
 - Successful in bringing down the operational costs of the designated departments
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 - Lectured in 3 days training program on "Rooftop Solar Power Plant Design, Engineering and Energy Yield Assessment" organized by ENAR Consultant on 22 to 23th NOV 2017
 - Lectured 45 days training program on "Solar Power Plant Design, Engineering and Solar training" at Advance Electrical Design & Engineering Institute Delhi on 1 Dec 2017 to 15 Jan 2018 & 2 April 2018 -10 May 2018.
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SOFTWARE



EXPERIENCE RECORD

2017 – PRESENT: ASSISTANT MANAGER AT GANGES INTERNATIONAL PVT, INDIA

Company Profile: Ganges Solar is part of the GIPL business conglomerate (turnover of over 500+ crores.)

RESPONSIBILITIES:

- 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.
- Developed single-lines, layouts, equipment specifications, cabling, conduit, and panel schedules.
- Performed voltage-drop calculations, short-circuit calculations and cable.
- 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.
- Developed design specifications and functional requirements for residential, commercial, and industrial solar energy systems and components.

PROJECTS:

1 MW ROOF TOP, VISAKHAPATNAM INDIA, CLIENT GITAM (SMR ENERGY) (COMPLETED):

Detailed Engineering & Design of Solar Power Plant .Responsibility included preparation of design basis, Electrical BOQ, DC Cable losses report and schedule, Designing SLDs and layout Preparation of project report. Selection of equipment's/ vender according to design requirement.

1MW ROOF TOP, BANGALORE INDIA, CLIENT GITAM (SMR ENERGY) (DESIGN):

Detailed Engineering & Design of Solar Power Plant .Responsibility included preparation of design basis, Electrical BOQ, DC Cable losses report and schedule, Designing SLDs and layout Preparation of project report.

4MW ROOF TOP, BOKARO STEEL PLANT, INDIA, CLIENT SAIL (LANCO SOLAR) (COMPLETED):

Detailed Engineering & Design of Solar Power Plant .Responsibility included preparation of design basis, Electrical BOQ, DC Cable losses report and schedule, Designing SLDs and layout Preparation of project report. Selection of equipment's/ vender according to design requirement, review engineering.

1MW INDUSTRIAL SHED, PUDUCHERRY, INDIA,GANGES INTERNATIONAL PVT LTD (MYSUN) (COMPLETED):

Detailed Engineering & Design of Solar Power Plant .Responsibility included preparation of design basis, Designing SLDs and layout Preparation of project report. Selection of equipment's/ vender according to design requirement, review engineering. Selection and finalizing EPC Contractor by evaluating Techno-Commercial offers

1 MW ROOF TOP, HYDERABAD INDIA, CLIENT GITAM (SMR ENERGY) (DESIGN):

Detailed Engineering & Design of Solar Power Plant .Responsibility included preparation of design basis, Electrical BOQ, DC Cable losses report and schedule, Designing SLDs and layout Preparation of project report.

54 MW Ground Mount, Karnataka, KOPPAL (Oranges renewable) (2017-ongoing):

Detailed Engineering & Design of Solar Power Plant .Responsibility included preparation of design basis, Electrical BOQ, DC Cable losses report and schedule, Designing SLDs and layout Preparation of project report Earthling layout, trenching layouts. Selection of equipment's/ vender according to design requirement, review engineering. Selection and finalizing EPC Contractor.

2015 – 2017 SR.ENGINEER – SOLAOZ ENERGY PVT LTD, NOIDA

Company Profile: SolaOz Energy Pvt Ltd is an independent Solar PV System provider which is involved in designing, installing and operating solar power projects with expertise in customized designing and implementation of Solar PV plants ranging from 1KW to 500KW

RESPONSIBILITIES:

- Detailed Engineering & Design of Solar Power Plant on PV*SOL, AutoCAD, Google Skechup, RET Screen.
- Cost estimation and budgets for Solar Power plant
- Preparation of Detailed Project report, project feasibility report of solar power plant
- Preparation of Bill of Materials (BoM) for each project.
- Selection of equipment/vendor according to design requirement
- Selection and finalizing EPC Contractor by evaluating Techno-Commercial offers
- Technical Meetings with Architects and Clients

PROJECTS:

500 KW Industrials shed, Client: Vinayak Transco INDIA:

Detailed Engineering & Design of Solar Power Plant .Responsibility included preparation of design basis, Electrical BOQ, DC Cable losses report and schedule, Designing SLDs and layout Preparation of project report. Selection of equipment's/ vender according to design requirement, review engineering. Selection and finalizing EPC Contractor by evaluating Techno-Commercial offers

450 KW Industrials shed, Ghaziabad, INDIA, Amway (ENAR Consultant) (Completed):

Detailed Engineering & Design of Solar Power Plant .Responsibility included preparation of design basis, Electrical BOQ, DC Cable losses report and schedule, Designing SLDs and layout Preparation of project report.

550 KW Industrials shed, Ghaziabad, INDIA, (ENAR Consultant) (Completed):

Detailed Engineering & Design of Solar Power Plant .Responsibility included preparation of design basis, Electrical BOQ, DC Cable losses report and schedule, Designing SLDs and layout Preparation of project report.

300 KW Industrials shed, Ghaziabad, INDIA (ENAR Consultant) (Completed):

Detailed Engineering & Design of Solar Power Plant .Responsibility included preparation of design basis, Electrical BOQ, DC Cable losses report and schedule, Designing SLDs and layout Preparation of project report.

2013 – 2015 PROJECT ENGINEERS ADROIT ENERGY SYSTEM (P) LTD

Company Profile: The Adroit Energy System is a diverse management, engineering and development consultancy delivering solutions for public and private clients world-wide

RESPONSIBILITIES:

- Responsible for electrical drawings, specifications, calculations, charts and graphs
- Categorizing customer requirements and designing the products as per the requirements □
Cost estimation and budgets
- Preparing design models and prototypes of products using Auto CAD design software
- Load flow studies and short circuit studies on Electrical transient analysis program(ETAP)
- Preparing product document

PROJECT:

HVDS & Feeder segregation, Chhattisgarh Client: Rural Electrification Corporation Limited (RECL)
Preparing design models and prototypes of products using Auto CAD design software, Load flow studies and short circuit studies on Electrical transient analysis program (ETAP), Preparing product document

LANGUAGE CAPABILITY

Hindi	:	Mother tongue
English	:	Spoken – fluent; written – fluent; reading – fluent