

**Tushar Rathee**

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### **Career Objective**

To succeed in an environment of growth and excellence, which provides me job Satisfaction, and self-development and help me achieve personal as well as organization goals.

### **Academic Qualifications**

- B.TECH in Civil Engineering from Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Govt. Of Haryana with 67.05%
- Senior Secondary School Certificate from CBSE DELHI with 61.6 %.
- Secondary School Certificate from CBSE DELHI with 74.16%.

### **Professional Summary**

Civil Engineer having 3+ years of experience in design & engineering for Grid tied Solar Projects, Thermal Power Plants & Real Estate. Have worked on Planning, coordination & engineering activities of more than 900+ MW Capacity.

### **Core Qualifications**

1. Design of Complete civil works & buildings of Solar & Thermal Projects including Switchyard.
2. Technical support to BD Team in bidding process for upcoming projects with responsibilities such as Queries, BOM estimation etc.
3. Due Diligence of EPC Offers along with technical closure during Pre & Post Bid meetings.
4. Resolving technical issues with EPC Vendors by taking lead in TRM of ongoing Projects.
5. Establishing specifications & technical assessment for Construction & Material Procurement.
6. Coordination with site execution teams over several engineering related issues.
7. Evaluating technology for wind load calculations and improving efficiency of plants.

<b>PRESENT EMPLOYER</b>
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- ❖ **Essel Green Energy Pvt Ltd. (A Subsidiary of Essel Infraprojects Ltd.) (April 2018- Till Date)**
- ❖ **Position Held: Senior Executive: Solar Department Design & Engineering.**

➤ **Project description: Grid Tied Ground Mounted Solar Projects**

1. 329MWp Solar PV Plants located at Orai, Jalaun, Budaun, Lalganj, Shanakgarh & Koraon in Uttar Pradesh.
2. 280Mwp Solar PV Plant located at Kesinga, Padampur, Navrangpur & Tusura in Odisha.

➤ **Functionalities:**

1. Preparation and finalization of technical specifications, schedules, tender drawings & documents for structures & construction activities with project consultants.
2. Responsible for reviewing design calculations such as wind loads & seismic loads on structures, soil investigation reports and suggesting ground improvement techniques for difficult soils.
3. Design of all Civil related activities like foundations for Module mounting structures, reviewing of civil design calculations & layout, GA & RCC details of MCR, ICR & switchyard.
4. Preparation of Roads & drains layout along with sectional details, Module Cleaning system scheme & design of watchtowers, gates, boundary wall/ fencing etc. as a part of separate BOCW contract.
5. Technical assistance & coordination with execution teams at sites for resolution of actual ground level construction issues.
6. Preparation of schedules related to construction activities, deliveries of material such as MMS & construction materials for all the projects.
7. Resolution of Civil related activities at already existing operational sites such as restoration of drainage system, installation of MCS, construction of roads and culverts across the plants.
8. Technical review & recommendation including scope validation of civil works during finalisation of order to civil contractors.

- ❖ **RattanIndia Solar Ltd. (Formerly Indiabulls Power Ltd.), (April 2016 – April 2018)**
- ❖ **Position Held: Assistant Manager (Engineering & Projects)**

➤ **Project description: Grid Tied Ground Mounted & Rooftop Solar Projects**

1. 70 MWp Solar PV Plant at Pavagada, Karnataka, India
2. 54 MWp Solar PV Plant at Katol, Maharashtra, India
3. 67 MWp Solar PV Plant at Allahabad, Uttar Pradesh, India
4. 95 MWp Solar PV Plant at Bhadla, NTPC solar Park, Rajasthan, India
5. 10 MW Rooftop Solar PV Plant, Delhi & Kolkata, India
6. 02 MW Rooftop Solar PV Plant, Bhopal, Madhya Pradesh India

➤ **Functionalities:**

1. Project Management & Project coordination to ensure safe, smooth and timely completion of projects on time. Responsible for timely deliveries of materials like solar modules, civil materials etc. at site.
2. Responsible for coordination with EPC Vendors & government agencies like SECI, NTPC & other state agencies like MIDC, UPTCL etc. for obtaining project related approvals.
3. Preparing Schedules and finalizing the course of projects to ensure timely completion of projects.
4. Technical assistance to BD Team in bidding of new projects over several matters such as any sort of technical clarification, queries, BOM estimation & defining exclusions etc.
2. Preparation and finalization of technical specifications, schedules, tender drawings & documents for structures & construction activities with project consultant.
3. Evaluating the technical offers of various EPC Vendors for all Civil related activities like foundations for Module mounting structures, Control rooms, Inverter stations & switchyard for ground mounted solar projects and accordingly giving the technical recommendations.
4. Involvement in Pre-Bid/Post-Bid meetings, technical discussions with EPC Vendors based on same.
5. Preparing & issuing a common technical clarification for final technical closure before contract signing off.
6. Finalizing the array layouts & locations for switchyard, Main Control Room and Inverter Stations.
7. Responsible for reviewing design calculations such as wind loads & seismic loads on structures, soil investigation reports and suggesting ground improvement techniques for difficult soils.

➤ **Project Description: 5x270MW Nasik Thermal Power Station, Maharashtra, India**

➤ **Functionalities:**

1. Responsible for review engineering of pending layouts, calculations, schedules for Unit - 3, 4 & 5. Of Nasik Thermal Power Station.
2. Coordinating with execution team at site & contractors over several engineering related issues.
3. Assisting the commercial & project team with technical support in the preparation of Procurement requisitions and EPC vendor approvals etc.
4. Responsible for Proper Coordination, Calculations & Design Evaluation of laying of Railway Line to Nasik Thermal Power Plant for Coal Supply.
5. Responsible for Development of World Class Housing Units (Township) at Amravati and Nasik Thermal Plants for staff and Guests.

- ❖ **Arabtech Construction LLC (Dubai, United Arab Emirates) – 0 Years & 8 Months** (August 2015 – March 2016.)
- ❖ **Position Held:** Project Engineer

➤ **Project description:** Infinity Tower, Dubai Marina, Dubai, United Arab Emirates.

Served as Project Engineer in High Rise tower. Worked as a team with over 200 workers to work for completion of daily targets as per client (Cayan Investment & Development) requirements with help of consultants (Khatib & Alami), architects and designer (SOM, U.S.A), peer engineers and labor's.

➤ **Functionalities:** 1. Coordinating and planning for efficient use of manpower and machine power to enhance the productivity and to create a safe working environment for all the team members.

2. Reviewing of all Civil Structure related drawings, preparing BOM, estimation & costing for allocation of funds for weekly targets, evaluating technology for Wind load calculations and improving performance of the structure.

#### Skill Set

➤ **Office Tools** : MS-Word, MS-Excel, MS-PowerPoint, Microsoft Projects, and AutoCAD

#### Personal Details

Father's Name : Mr. Rajender Singh Rathee  
Mother's Name : Mrs. Saroj Rathee  
Address : 143 Ghalib Apartment Parwana Road, Pitam Pura, Delhi-110034  
Date of Birth: 16 November 1992  
Language known : English & Hindi  
Interests : Reading, Music, Travelling & Sports.