

# Senior Engineer

Full-time, starting Sept 2019

New Delhi/Project Sites



## Who You Are

You have strong technical skills in design and hands-on experience in implementation of solar electrical systems. The idea of putting your engineering chops to use in building high quality, safe solar energy systems for urban customers and rural communities excites you. You have strong aptitude to turn complex, real-world engineering challenges into adequate technical solutions. You are ambitious and results-driven, and are ready to take on responsibility by playing a leading role within a dynamic and rapidly expanding team. You are prepared to spend much of your time at project sites to oversee project planning and timely execution. You believe decentralised energy access, combined with innovative distribution models, can bring rapid and sustainable economic development to India.

## Duties & Responsibilities

- Oversee site audits, site selection, load planning and assess technical feasibility of sites
- Perform computer simulations for system sizing and devise a detailed project budget
- Develop designs for off-grid and on-grid solar electrical systems (PV, battery, inverter capacity, T&D network), solar pumps and solar rooftop systems, with a focus on safe and efficient functional design
- Prepare end-to-end engineering designs, including component specifications, GFC drawings, bill of materials
- Handle the procurement function, from vendor/supplier selection and management through to delivery
- Recruit, train and manage junior staff and contractors for installation and commissioning of solar systems
- Provide engineering support to local operations teams, in particular for O&M of installed systems
- Design, develop and execute efficient processes for inventory management and MIS reporting

## Skills & Qualifications

- \*University degree in Electrical Engineering
- \*4-6 years of relevant professional experience in the solar energy sector in India
- \*Expert in PV, diesel generation, batteries, power conversion, distribution, monitoring, control, appliances
- \*Hands-on experience of design, installation, operation and maintenance of solar mini-grids and solar appliances
- \*Intimate knowledge of occupational health and safety protocols for electrical installations
- \*Familiar with relevant software for solar system design including PV\*SOL and PVsyst
- \*Fluent in Hindi and English with strong numerical and communication skills
- \*Experience in managing junior staff and negotiating with contractors
- \*Frequent travel (up 80%) to rural project sites
- \*Contacts with relevant component suppliers, manufacturers and contractors in India a plus
- \*Self-confident, autonomous and reliable; integrity is of utmost importance

## Benefits

- Ownership over diverse set of tasks with high level of responsibility
- You will join a dynamic, motivated and fast-growing team with excellent potential for your personal growth and development
- Strong social and environmental impact of your work

## How to apply

Please send your cover letter and CV to [careers@oorjasolutions.org](mailto:careers@oorjasolutions.org) with subject **"Senior Engineer – Your Name"**.



Oorja is a social enterprise that deploys world-class smart solar energy systems in off-grid and weak-grid areas of India. Our aim is to become the leading project developer of productive-use solar energy systems in rural India. We specialise in deploying mini-grids and community solar pumping systems for small businesses, marginal farmers and low-income households. Our team is small at the moment but expected to grow quickly. Oorja is born out of the desire to democratise energy access, stimulate local economic development and mitigate climate change. If you are passionate about scaling up clean energy access – join us!