

Senior Engineer

Full-time, starting December 2018

New Delhi



Who You Are

You have the technical skills for design and practical implementation of solar electrical systems. The idea of putting your engineering chops to use in building high quality, cost-effective solar energy systems for off-grid communities excites you. You have strong mechanical aptitude to turn complex, real-world engineering challenges into adequate technical solutions. You genuinely enjoy working within collaborative teams and can efficiently manage junior technical staff to achieve your goals. You enjoy field implementation work and think beyond existing processes in search of better methods. You believe decentralised energy access, combined with innovative distribution models, can bring rapid and sustainable economic development to rural India.

Duties & Responsibilities

- Developing standardised and customised designs for modular off-grid and on-grid electricity systems (PV-battery, PV-battery-diesel) and PV appliances (pumping) with a focus on safe and efficient functional design
- Detailed technical designs - component functional specifications, engineering drawings, bill of materials
- Managing contractors and junior staff for procurement, installation and commissioning of solar systems
- Providing engineering support to local operations teams, in particular for O&M of installed systems
- Assessing technical feasibility and developing functional designs for solarising productive-use appliances
- Building capacity in the Engineering team; overseeing training and managing field technicians
- Leading technical assessment and design of new engineering solutions, including utility-in-a-box

Skills & Qualifications

Basics

- *University degree in Electrical Engineering
- *Minimum 8 years of relevant professional experience in the renewable energy sector in India
- *Technical knowledge of PV, batteries, diesel generation, power conversion, distribution, monitoring and control
- *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
- *Relevant software for CAD including PV*SOL and PVsyst
- *Fluent in English and Hindi with strong numerical and communication skills
- *Experience in project management, managing junior staff and negotiating with contractors
- *Frequent site travel (up 75%) to rural project sites to oversee project implementation and manage contractors

Above & beyond

- *Work experience in rural India and familiarity with energy access challenges
- *Contacts with relevant component suppliers, manufacturers and contractors in India

Benefits

- Salary competitive and commensurate with experience
- Dynamic, multidisciplinary and international working environment
- Strong social and environmental impact of your work

How to apply

Please send your cover letter and CV to careers@oorjasolutions.org with subject line “Senior Engineer – Your Name”.



Oorja is a social enterprise that deploys world-class smart solar energy systems in off-grid and weak-grid BoP communities. 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!