

# Project Analyst

Full-time, starting November 2018

New Delhi



## Who You Are

You have the computer modelling skills to simulate, size and assess the feasibility of solar installations. The idea of putting your engineering chops to use in identifying viable sites for cost-effective solar mini-grids and pumping projects in off-grid and weak-grid rural communities excites you. A keen observer, you like to independently gather and critically analyse information from the field and other sources. You are comfortable processing complex datasets to rigorously assess opportunities and propose feasible technical solutions. You are a structured and methodological thinker with great attention to detail and presentation. You believe decentralised energy access, combined with innovative distribution models, can bring rapid and sustainable economic development to rural India.

## Duties & Responsibilities

- Site visits and detailed energy audits at potential project sites in rural areas
- Data collection through formal/informal interactions with prospective end-users, officials, organisations, etc.
- Techno-economic analysis to identify optimal size and configuration of off-grid and grid-tied solar electricity systems (PV-battery, PV-battery-diesel, and PV-only) and solar pumping systems
- Site identification, preparation of site reports and pre-feasibility studies
- Financial evaluation of the business case for solarisation of various productive energy use-cases
- Digitalisation, analysis and presentation of energy consumption, performance and impact data
- Internal support to Engineering team for design and procurement of solar installations

## Skills & Qualifications

### Basics

- \*Master's degree in Engineering required (preferably Electrical or Mechanical)
- \*Minimum 2 years of relevant professional experience in the solar energy sector in India
- \*Technical knowledge of load profiling, techno-economic analysis of energy systems, and solar system sizing
- \*High proficiency with Excel; Homer Pro; MATLAB; basic financial modelling and Python a bonus
- \*Hands-on experience of designing and conducting energy audits and collecting and analysing field data
- \*Excellent spoken and written command of both English and Hindi
- \*Willing to travel to project sites in rural areas for extended durations
- \*Attention to detail, rigour and accuracy, with a high standard of presentation and utmost integrity
- \*Self-confident, autonomous and reliable

### Above & beyond

- \*Experience living or working in rural environments and comfortable networking with local stakeholders
- \*Familiarity with energy access and socioeconomic development challenges in rural India

## Benefits

- Ownership over diverse set of tasks
- 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](mailto:careers@oorjasolutions.org) with the subject line "Project Analyst". Thanks!



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!