

Project Analyst

Full-time, starting November 2018

New Delhi, India

Reporting Line: CTO



About Oorja

Oorja is a young and growing company based in New Delhi, tackling some of the most pressing challenges in the energy sector today – renewable energy expansion and rural electrification.

We install smart solar mini grids and community solar irrigation pumps, through which we aim to improve quality of life by providing clean, reliable and affordable energy to low-income households, small businesses and marginal farmers. We currently operate in Uttar Pradesh, with plans for expansion to other relevant markets. We are a dynamic, driven and international team and are motivated by a desire to address energy poverty, bring about local economic development and combat climate change.

Role Background

Oorja is seeking a Project Analyst with 2-4 years' experience in the renewable energy sector in India. Within the Engineering team, the Project Analyst reports to the CTO and focuses on project site identification, conducting needs assessment and energy audits, sizing and feasibility studies prior to implementation of solar projects. The project analyst will travel frequently to rural project sites and will gather detailed on-ground knowledge and data to assist in project implementation.

The Engineering team works to design, install and maintain off-grid and on-grid solar AC mini-grids for small businesses and households, and off-grid community solar pumping solutions for marginal farmers. It works in partnership with reputed suppliers, contractors, training institutes, local organisations and stakeholders to deliver maximum benefit to the end-user.

Job Description

The Project Analyst performs a wide range of duties including, but not limited to, the following:

- Site visits and detailed energy audits (resource potential, needs assessments)
- Surveys and semi-structured interviews with prospective end-users and partner organisations
- Formal and informal interactions with local stakeholders (officials, panchayats, NGOs, etc.) to gain detailed on-ground knowledge
- Techno-economic analysis to identify optimal sizing and configuration of off-grid and grid-tied electricity systems (PV-battery, PV-battery-diesel, and PV-only) and solar pumping systems
- Digitalisation, analysis and presentation of relevant data from various sources to assist with site identification, performance monitoring and impact management
- Site identification, preparation of site reports and pre-feasibility studies
- Evaluation of the business case for solarizing various productive energy use-cases including agroprocessing, water purification, dairy chilling, cold storages, solar drying, tailoring, etc.
- Provide support to internal employees, in particular with respect to design and procurement of new energy systems and demand-side management

Qualifications

- *Master's degree in Engineering (preferably Electrical or Mechanical); advanced degree a plus
- *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; basic financial modelling skill is a bonus
- *Hands-on experience of designing and conducting energy audits and collecting and analysing field data

Competencies and Abilities

- *Excellent IT skills (Excel; programming in MATLAB, Python a plus); proficiency with computer simulations of energy systems (Homer Pro) to optimise system configuration based on lifecycle cost and performance)
- *Excellent spoken and written command of both English and Hindi
- *Strong analytical and communication skills
- *Familiarity with energy access challenges in rural areas of India
- *Willing and able to travel and stay in rural areas for extended durations
- *Comfortable working in rural environments and networking formally/informally with locals (work experience in rural India a plus)
- *Enterprising – creative problem solver with a technical mindset
- *Structured and methodological thinker
- *Attention to detail, rigour and accuracy, with a high standard of presentation and utmost integrity
- *Self-confident, autonomous and reliable

Benefits

- Ownership over diverse set of tasks
- Dynamic, multidisciplinary and international working environment
- Strong social and environmental impact of your work

Contact

Dr. Clementine Chambon

CTO, Oorja Development Solutions India Private Limited

How to apply

Please send your CV and cover letter to careers@oorjasolutions.org with the subject line “Project Analyst”.

More information about Oorja can be found at www.oorjasolutions.org.

Apply by

As soon as possible.