

## Job Description

### Global Technical Lead

<b>Location:</b>	Kathmandu, with travel within Nepal, and occasional international travel, including Kenya and the UK
<b>Reporting Line Manager:</b>	Global Programmes Director (UK Based)
<b>Direct reports:</b>	Dotted line – Technical and Procurement Manager, Nepal
<b>Contract:</b>	24 months initial fixed term contract with potential for extension
<b>Salary:</b>	Negotiable, in line with RW's salary structure

#### Role summary

Renewable World (RW) is seeking an experienced clean energy and development specialist to join our team as Global Technical Lead. This is a pivotal position that will spearhead our growth through their leadership in clean energy technology innovation, project design and related business-development, in collaboration with public and private sector partners.

The ideal candidate will have an engineering background, extensive project design experience, a global network, a passion for partnerships, and be a systems-thinker (ideally a market systems development practitioner).

They will report to the Global Programme Director, and work closely with the Nepal SMT, global fundraising team and the organisation's emerging Kenya team.

The position will be based in Nepal, but will have a global remit, covering Kenya and Nepal initially, with plans to expand in East Africa over the coming years.

The position is open to applicants who already have a right to work in Nepal.

#### About Renewable World

RW is an ambitious and dynamic International NGO (INGO) headquartered in the UK, with branches in Nepal and Kenya.

We are working with partners to deliver transformative change by improving people's access to clean energy and empowering them through training, knowledge-sharing, and making connections.

Our vision is for "A sustainable and fairer world where clean energy is accessible to all".

Every day we are working hard to deliver our mission "To enable the world's poorest people to transform their lives by improving their access to clean energy, empowering them to develop sustainable and resilient livelihoods, and mitigating the impact of climate change".

We are on-track to surpass our current goal of reaching 100,000 people by the end of 2022. We have ambitious plans to scale our impact to 2030 and beyond.

We focus on four key areas where we believe we can achieve the greatest impact in transforming lives through clean energy:

- **Energy for Livelihoods:** Improving incomes and welfare through using energy for productive purposes, with a focus on reaching the poorest and empowering women and the socially excluded.
- **Energy for Climate Change:** Helping people adapt to climate change and protect ecosystems through energy-enabled climate-smart agriculture and early warning systems, and mitigating climate change through clean energy and carbon offsetting.
- **Energy for Health and Education:** Using renewable energy to supply clean water for drinking, health and sanitation, electrifying remote health centres and schools to improve health and education outcomes, and enabling cleaner cooking.

- **Energy for Catalytic Impact:** Developing systemic impact and activating demand through the productive use of energy, sustainable multi-stakeholder partnerships, and piloting scalable innovations.

We aim to live and breathe our ENERGY values which are: **Excellence; Networked; Empathy; Resourceful; Gravitas; and Yes we can.**

We have doubled in size over the last three years, with an income of over USD3.5 million p.a. and 30 staff. This growth has been driven largely through programme expansion in Nepal and RW's voluntary carbon offsetting programme. At present, we have a portfolio of eight projects, of which seven are in Nepal and one is in Kenya, and we are expecting to close out a number of these projects and bring new projects on board in the coming year. Our new Global Technical Lead will be pivotal in developing an ambitious, innovative and impactful pipeline of new projects, and overseeing their delivery.

### Detailed purpose

1. Identify opportunities for technology, business model innovation and scale-up initiatives for the organisation, through research and networking with public sector, private sector, and non-government organisations to identify emerging opportunities within clean energy that can be applied to Renewable World's programming
2. Develop technically strong concept notes and proposals for internal and external stakeholders, putting clean energy at the heart of systems-level approaches to development
3. Advance and develop RW's technical expertise and programming in Nepal, Kenya and additional countries as organisational programming expands, providing leadership and guidance to the global technical team
4. Represent and build RW's brand externally by attending and presenting at conferences, panels, workshops, and other international fora; by writing in various technical publications; and through social media
5. Knowledge management and sharing of technical information to enable the team and partners to understand clean energy technologies and their usage better
6. Establish and implement framework, policy and procedures to bring the level of service, maintenance and safety of the installed clean energy technologies to a high standard.

### Main Duties and Responsibilities

#### 1. *Concept and proposal development*

- Applying market-systems approaches, develop an innovative pipeline of concepts for Nepal and Kenya, focusing on the productive use of clean energy and opportunities for scalability and sustainability through new technologies and business models. Concepts should range from technology focused pilots to market systems centred catalytic projects, in line with RW's strategic approach
- Explore and test the introduction of promising ideas into the organization's future projects, and provide best practices in strategic design for new products/services
- Conduct cost benefit analyses of clean energy technologies compared to other technologies and/or energy sources, to demonstrate the business case for their incorporation within project design
- In collaboration with proposal development team, develop concepts into full proposals, including budget and narrative, and supporting technical documents, evidencing technical and business models
- Explore new partners and strategies, and instigate collaborations with the private sector to encourage private sector investment, alongside RW grant funding, to improve supplier accountability and stimulate market activation

## **2. Innovation and research**

- Map and explore new technologies with clean energy suppliers/ developers/ research organizations/ civil society/ individual experts, and share analysis and recommendations for incorporating within RW projects
- Develop and maintain networks of relevant contacts within industry, government, academia, NGOs, regulators and trade bodies, and collaborate to identify cross-working opportunities
- Explore and design innovative finance/ business/ implementation models and introduce these to RW programmes to contribute to effective and smooth delivery as well as ensuring long term sustainability of the intervention measures
- Build knowledge of innovations within the sector among the global programmes team by sharing new ideas and innovative strategies, and facilitating the team to visit vendors or sites to conduct joint assessments about new ideas, products or services
- Work with and through current contacts and develop new, relevant and innovative links to build a positive name, reputation and brand for Renewable World in line with the global strategy and business plan
- Strengthen the organisation's global positioning and ability to achieve its mission through relationship building and fundraising with respect to the technical function

## **3. Technical leadership and accountability**

- In Nepal, provide oversight to the Technical and Procurement Manager, who has responsibility for the delivery of the clean energy components of RW Nepal's projects, and assume ultimate accountability for the quality of technical designs
- Provide strategic guidance to the Nepal and Kenya technical team through the introduction of innovative technologies and business models, quality assurance and troubleshooting when required, and provide direct support where novel or high-risk business models or new technologies are introduced
- In Kenya, provide direct support to the Technical/ Project Manager, throughout all stages of technical design and delivery until such time as the programme has scaled and in country expertise is available
- Support the Country Directors to ensure technical components of the projects are delivered within the given budget, timeframe and agreed grant parameters, oversee quality assurance and risk management.
- Lead the development of technical health and safety plans, policies and procedures in relation to technical components of RW projects and oversee national level adherence to these
- Support the Technical and Procurement Manager and Project Managers to ensure health and safety measures are implemented throughout the project period, providing guidance to the project delivery team, monitoring the delivery of health and safety measures and overseeing the delivery of any recommendations made to adhere to the highest standards.
- Oversee the development of national level updates to technical procurement guidelines
- Provide strategic input to the Nepal Technical and Procurement Manager as required when preparing bid documentation, bid evaluation and contract awards

## **5. Driving organizational innovation, including technical financing models**

- Explore international markets for potential vendors (new and improved existing technology) and translate findings into collaborative concepts
- Introduce innovations in technical financing models, and oversee the testing of these where appropriate in either Nepal or Kenya, such as:
  - 1) PAYG and other modalities to make energy service available for the poor

- 2) Small scale public private partnerships
  - 3) Reverse auctioning
  - 4) Results based payments for private partners supplying energy as a service
  - 5) Piloting innovative micro-finance and insurance products to catalyse access to energy for productive uses for the poor.
- Guide the Technical and Procurement Manager and Project Managers in procurement, contract development and piloting in relation to the above.

## **6. Organisational learning and communications**

- Oversee the development of technical comms for all new RETS included in RW programmes and ensure technology page on website is up to date
- Develop technical briefs, policy briefs, blogs, how to notes, manuals and other technical communications material to share our learning and promote our brand as go-to experts'
- Develop global level standard operating procedures and project standards/guidelines and ensure they are adhered to
- Oversee the data base system in line with the technical aspect of the Renewable World's projects and technology suppliers/vendors, technical partners, service providers, clean energy experts etc
- Work with the MEAL team to commission post-project impact assessments to review long-term technology functionality, effectiveness, sustainability and scalability, and make recommendations for project improvements to feed into new concept development
- Develop Specification of Technologies promoted by RW
- Oversee tracking of RW technical KPIs and global MEAL framework indicators for performance rating, energy output and other strategic indicators as agreed

## **Cross-cutting duties**

- Ensure all business models promoted are gender and socially inclusive
- Adhere to RW's Code of Conduct and follow Renewable World's Safeguarding Policy at all times
- Represent RW, our values, vision and mission in the regions where RW operates in a professional, honest, transparent and positive way to help build RW's image and brand
- Ensure resource availability and efficient usage of resources
- Be flexible and responsive, undertaking reasonable tasks and responsibilities as requested by your direct line Manager
- Attend regular supervision and take active steps in professional development.

## **Qualification, Experience and Attributes**

### **Essential**

- Minimum of 10-years relevant work experience
- A Bachelor's in engineering (Energy Engineering, Civil Engineering etc and a Masters in a relevant discipline, including energy, business, finance, international development etc
- Proven experience in leading programme concept and proposal development, bid-writing and development/ management of strategic partnerships
- Well-developed understanding of market systems thinking, and public-private sector collaboration approaches
- Experience undertaking, analysing and presenting cost-benefit analyses for new clean energy technologies, and calculating expected payback period/ return on investment
- Extensive and current network in the clean energy sector globally, including non-governmental, private and research sector linkages

- Strong technical skills and background, preferably in small-scale renewable energy and/or clearly relevant related topic
- Ability to manage multiple priorities
- Proven experience in the usage of computer and office software packages (MS Word, Excel, PowerPoint, etc.) and able to write reports in English
- Ability to interpret and convey technical information to a non-technical audience

#### **Desirable**

- Experience of using AutoCAD to produce and review necessary technical drawings

#### **Terms and Conditions**

<b>Annual Gross Salary:</b>	Subject to negotiation
<b>Hours of Work:</b>	Full time/37.5 hours a week
<b>Annual Leave:</b>	12 days plus 14 days national holidays
<b>Place of work:</b>	Nepal Office: Chakupat, Lalitpur, Nepal

This job description has been designed to indicate the general nature and level of work performed by employees within this classification. However, it is inevitable that responsibilities and tasks may be varied and unpredictable. It is expected of the staff to respond with a flexible approach when tasks arise which are not specifically covered in this job description. Should an additional responsibility or task become a regular part of an employee's job, the job description will be amended in consultation with the employee.

#### **Applying for the post:**

Please send your CV and a covering letter (1 to 2 pages only) to [jobs@renewable-world.org](mailto:jobs@renewable-world.org).

<b>Closing date for applications:</b>	<b>01 January 2023</b>
<b>Interview date:</b>	<b>Week commencing 9 January 2023</b>

*Interested candidates (women and disadvantaged groups are highly encouraged to apply) meeting above criteria are requested to send a complete CV with the name of two references and contact number. Only short-listed candidates will be called for further selection process. The employer reserves all the rights to accept or reject any or all the applications without any reasons thereof. Undue influence will result in automatic rejection of application.*