Transmission & RE Grid Integration Specialist (P3)

Post:	Transmission & RE Grid Integration Specialist (P3)
Duty Station:	International Solar Alliance (ISA)
Type of Contract:	Individual Contract
Languages Required:	English
Duration of Contract:	Two years, with the possibility of extension based on ISA's requirement.

Organisational Overview

The International Solar Alliance (ISA) is an international organisation, co-founded by France and India. The ISA is a 119-member-state organisation, headquartered in Gurgaon, National Capital Region of India. At ISA, we strive to transition and transform the energy sector from a fossil-based to a zero-carbon solar energy source. We are establishing a dedicated cooperation platform among solar-rich countries where the global community, including bilateral and multilateral organizations, corporations, industries, and other stakeholders, can positively contribute to the transition to solar energy. We are helping our Member States meet their energy needs in a safe, convenient, affordable, equitable, and sustainable manner.

Purpose of the position

The Transmission and RE Grid Integration Specialist will conceptualise, plan, and assess the transmission and RE grid integration initiatives. This position involves conducting an assessment of transmission and RE grid integration, technical due diligence, supporting the PPIC team across relevant programmes, and applying global best practices in smart grid infrastructure development. The specialist will develop and implement business models tailored for ISA member countries, focusing on enhancing solar integration across various sectors.

1. Job Description

Under the supervision of the Chief, PPIC the Transmission & RE Grid Integration Specialist will:

- Conduct in-depth assessments of transmission and distribution infrastructure across targeted regions, focusing on infrastructure suitability and market dynamics
- Evaluate the economic, technical, and environmental feasibility of transmission and distribution infrastructure for renewable energy (RE) penetration into the existing grid, emphasising cost-effectiveness and sustainability
- Identify strategic opportunities for deploying RE, including solar technology integration and other applications tailored to country and regional needs aligning with current and planned transmission infrastructure.

- Develop customised deployment strategies outlining priority sectors and geographic areas for solar grid integration
- Identify training needs and develop targeted programs for stakeholders, including community leaders, industry partners, and government officials
- Create educational materials to promote awareness and understanding of load flow studies, and transmission and distribution infrastructure enabling solar technologies integration, along with their benefits
- Assist in sourcing and coordinating with experts and contractors, ensuring project milestones align with strategic objectives
- Engage with stakeholders such as government agencies, investors, developers, and local communities to build consensus and support for solar grid integration projects
- Prepare comprehensive reports, policy briefs, and advocacy messages for stakeholder engagements and high-level events
- Support documentation and reporting for technical meetings and workshops, synthesising insights for project evaluation and refinement
- Prepare and manage concept notes, Terms of Reference (TOR), and proposals for new initiatives
- Support effective project management in adherence to organisational policies and regulations, ensuring alignment with project goals and objectives
- Contribute to strategic planning efforts, including budget formulation, project scheduling, and coordination among stakeholders
- Implement quality assurance measures to uphold technical standards and project objectives
- Identify opportunities for innovation and improvement in transmission and distribution infrastructure and project management practices
- Develop and enforce grid standards to ensure reliable and efficient integration of renewable energy sources
- Collaborate effectively with internal teams, external consultants, and partners to leverage expertise and resources for successful outcomes
- Communicate project progress, updates, and challenges through meetings, presentations, and written communications
- Foster a culture of continuous learning and improvement within the project team and stakeholders
- Perform any other duties as assigned to support ISA initiatives.

2. Deliverables

- **Carry out Feasibility Studies and detailed Project Reports for Associated Transmission systems for Solar Projects/parks:** Complete feasibility studies and comprehensive reports evaluating the suitability, technical feasibility, and economic viability of transmission and distribution infrastructure for RE grid integration across member countries
- **Strategic Deployment Plans for Solar Grid Integration:** Develop and implement strategic deployment plans for solar grid integration, identifying key priority sectors and geographic areas in Member Countries

- **Establishment of Grid Standards and Regulatory Frameworks:** Establish grid standards and regulatory frameworks to support the seamless and efficient integration of renewable energy into existing grids
- **Training Programs and Educational Materials for Stakeholders**: Design and deliver training programs and educational materials for stakeholders, enhancing their understanding of RE grid integration technologies and practices
- **Formulation of Innovative Business Models and Risk Management Plans:** Formulate and present innovative business models and risk management plans to ensure the economic attractiveness and sustainability of solar grid integration projects

3. Competencies:

Professionalism: Shows pride in work and in achievements; demonstrates professional competence and mastery of subject matter; is conscientious and efficient in meeting commitments, observing deadlines and achieving results; is motivated by professional rather than personal concerns; shows persistence when faced with complex problems or challenges; remains calm in stressful situations.

Communication: Speaks and writes clearly and effectively; able to interact with senior government and private sector leadership; listens to others, correctly interprets messages from others and responds appropriately; asks questions to clarify, and exhibits interest in having two-way communication; tailors language, tone, style and format to match audience; demonstrates openness in sharing information and keeping people informed; ability to disseminate information through online platforms, social media and traditional methods.

Teamwork: Works collaboratively with colleagues to achieve organisational goals; solicits input by genuinely valuing others' ideas and expertise; is willing to learn from others; places team agenda before personal agenda; supports and acts in accordance with final group decision, even when such decisions may not entirely reflect own position; shares credit for team accomplishments and accepts joint responsibility for team shortcomings.

Planning & Organizing: Develops clear goals that are consistent with agreed strategies; identifies priority activities and assignments; adjusts priorities as required; allocates appropriate amount of time and resources for completing work; foresees risks and allows for contingencies when planning; monitors and adjusts plans and actions as necessary; uses time efficiently.

4. Relevant Experience & Requirements:

Only those individuals who fulfil the following qualifying criteria are eligible to apply.

Essential:

1. Advanced degree in renewable energy, electrical/mechanical engineering, or a related field with ten (10) years of relevant experience. A first class University degree in the above mentioned disciplines with 12 years of relevant experience will also be considered.
2. Substantial experience in transmission and distribution, network study, load flow studies, RE penetration, and adequate knowledge of solar integration into the grid infrastructure.
3. Strong analytical, writing and communication skills.

Desirable:

1. Proven track record of designing and implementing of Transmission system associated with renewable/solar energy projects.
2. Working experience in an international organisation/ Government Organizations would be an added advantage.

Languages & IT skills

The role demands a very high level of writing and verbal communication skills. As English is the official and working language of the Organization, excellent command of both written and spoken English is required. Knowledge of other languages (i.e., French, Spanish, and Arabic) would be advantageous. The role demands substantial writing and verbal communication skills.

Knowledge of other languages (i.e., French, Spanish, and Arabic) would be advantageous.

5. Remuneration

The ISA offers a competitive remuneration package (salary and benefits) guided by the UN Common System; the ISA aims to become an employer of choice. Consequently, ISA offers competitive salaries and benefits.
At ISA, we value a diverse, inclusive workforce and provide an equal employment opportunity for all our employees and applicants. We will consider all qualified applicants without regard to an individual's race, colour, gender/gender expression/orientation, and religion.
The ISA seeks to obtain and retain staff that reflects its geographical representation and diversity and primarily prefers and recruits staff from its member countries. The ISA maintains a retirement age of 65 years.

Please **apply** in confidence by emailing careers.isa@talenttribeconsulting.com
Your application should include a cover letter of no more than two (2) pages and your CV. Further information on the recruitment process, the guidelines, etc, can be found under the weblink: https://isolaralliance.org/careersatisa/vacancies
Closing Date: 21st of August 2024

6. Place of work

This role will be based out of the Secretariat of the ISA, Gurgaon, Haryana State, or at the ISA's facility in Delhi, India, or any other facility deemed necessary by the ISA.