Terms of Reference
Secretariat of International Renewable Energy Agency (IRENA)
IRENA Innovation and Technology Centre (IITC) Division

Title and Grade: **Associate Programme Officer – Power System Flexibility**
Indicative Annual salary: **(a.) Annual Net Salary: USD 55,163 to USD 64,317**[1]
                                   (b.) Post Adjustment: USD 12,963.31 to USD 15,114.50[2]
Duration of Appointment: **One year, with possible extension**
Duty Station: **Bonn, Germany**
Entry on Duty: **As soon as possible**

The International Renewable Energy Agency (IRENA) is an inter-governmental organisation that supports countries in their transition to a sustainable energy future, and serves as the principal platform for international co-operation, a centre of excellence, and a repository of policy, technology, resource and financial knowledge on renewable energy. IRENA promotes the widespread adoption and sustainable use of all forms of renewable energy, including bioenergy, geothermal, hydropower, ocean, solar and wind energy, in the pursuit of sustainable development, energy access, energy security and low-carbon economic growth and prosperity. At present, IRENA has 170 Members (169 States and the European Union) that acceded to its Statute, and 14 additional States in the process of accession and actively engaged.

To achieve its aims, IRENA develops analytical and empirical products that provide comprehensive and timely information, evidence, and recommendations to increase, to the necessary levels, global investments in renewable energy and the corresponding flexibility enabling technology. This includes grid and storage infrastructure, which are necessary for ensuring a reliable and affordable electricity supply based on renewable energy.

IRENA emphasizes the importance of flexibility for the transformation of power systems and tracks its progress through its Knowledge Framework. This web platform identifies technical measures and initiatives implemented by leading countries to enhance system flexibility. Also supported by sound analytical and modelling work, IRENA assists countries and regions in planning the transformation of their power systems.

Duties and Responsibilities

Under the supervision and guidance of the Team Lead Power Sector Transformation, the selected candidate will be part of a team working under the thematic area: Power System Flexibility. Primary focus of the work will be on activities related to (1) developing and disseminating insights from modelling analysis that can inform Member States and Regions on power infrastructure debates related to the energy transition (2) enhancing

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[1] *IRENA provides similar ICSC benefits and entitlements, including dependency allowances, rental subsidy, education grant (for school aged children), annual and sick leave, health insurance, Provident Fund participation, etc. as would be applicable.*

[2] *The post adjustment is a variable component that is adjusted periodically to reflect changes in the cost of living in a duty station. Post adjustment multiplier for duty station Bonn is 23.5% currently determined by the International Civil Service Commission and subject to change without prior notice.*

IRENA's toolbox and knowledge framework for planning the integration of VRE in power systems (3) support efforts to provide capacity building and support for countries.

More specifically, the selected candidate will contribute to the following tasks:

- Perform extensive national and regional analysis for Member States using models, including IRENA FlexTool and others, assessing power system flexibility and advising on the feasibility of the future energy systems in Member Countries and focus Regions.
- Contribute to IRENA's World and Energy Transitions Outlook reports, based on the results of power system flexibility analyses.
- Support the development and maintenance of IRENA's Power Sector Transformation (PST) team modelling toolkit, including the IRENA's global hydrogen trade model, and knowledge framework.
- Expand and enhance the team's existing repository of tools and widgets for energy modelling, data management, analysis and visualization, by using advanced technologies.
- Contribute to IRENA's capacity building activities in the area of IRENA power system flexibility tools
- Support the develop knowledge products on power sector transformation relevant for IRENA Member States, focusing on power grids and storage
- Support the Team Lead Power Sector Transformation on the day-to-day operation of the collaborative frameworks lead by the team
- Assist in the daily activities and general tasks of the team as well as in requests from other divisions in the Agency when required.

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 difficult problems or challenges; remains calm in stressful situations.

Communication: Speaks and writes clearly and effectively; 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 organizational 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 & Organising: 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.

Qualifications

Education: Advanced university degree (Master's degree) in energy system analysis, engineering, economics or related fields. A first-level university degree in combination with qualifying experience may be accepted in lieu of the advanced university degree.

Experience/Skills: A minimum of two years of professional experience in power system optimization modelling tools, electricity markets and power sector governance. Analytical skills in energy data analysis and use of energy modelling tools are required.

Language and IT skills: Excellent command of both written and spoken English. Knowledge of other UN languages is desirable. Excellent writing skills are essential. Excellent IT skills, including advanced MS Excel. Other programming languages, such as Python, would be considered an advantage.

Applications from qualified women are highly encouraged.