



RENEWABLES FIRST

Manager Power Markets

Location: G-8 Markaz, Islamabad

Department: Power Markets

Type: Full time

About Renewables First

Renewables First (RF) is a think and do tank for energy and the environment. RF's work addresses critical energy and natural resource issues with the aim of making energy and climate transitions fair and inclusive through impactful research, advocacy, and strategic partnerships.

Job Description

Renewables First is seeking a forward-looking and strategically minded Manager – Power Markets, to help navigate and shape Pakistan's fast-evolving energy landscape. As the power sector transitions from a centralized generation model to a decentralized, renewables-driven ecosystem, this role will lead analytical and strategic efforts to redefine how energy is generated, traded, and valued.

The Manager will play a key role in understanding how distributed generation, rooftop solar, net metering, and storage are reshaping the market; challenging legacy planning frameworks and tariff structures and pushing the boundaries of what a power market means in the age of prosumers.

The ideal candidate combines technical depth with strategic foresight; someone who can model power systems, interpret policy shifts, and see how technological disruption is rewriting the rules of competition, pricing, and reliability. The position offers an opportunity to work at the frontier of Pakistan's power market evolution where engineering meets economics, and regulation meets innovation.

Key Responsibilities

Power Markets and System Transition

- Analyse how distributed generation, rooftop solar, and emerging storage solutions are reshaping Pakistan's power system and market dynamics.
- Conduct modelling and scenario analysis (using tools such as PLEXOS, PyPSA, TIMES or LEAP) to evaluate grid flexibility, renewable integration, and dispatch optimization.
- Critically assess and evaluate IGCEP, TSEP, and related planning frameworks to identify reform pathways for integrating variable renewable energy (VRE) and distributed energy resources (DERs).
- Support RF's ongoing work on the design and implementation of Pakistan's Competitive Trading Bilateral Contract Market (CTBCM).
- Conduct generation and transmission system studies, including load flow, contingency, and stability analysis, and renewable integration assessments.



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Policy, Market Design, and Reform Analysis

- Examine regulatory and tariff structures to identify bottlenecks and opportunities for competition, innovation, and efficiency in the power sector.
- Develop data-driven reports, briefs, and insights on market reforms, renewable integration, and the evolving role of consumers as market participants.
- Contribute to RF's policy engagement and advocacy on issues such as dynamic tariffs, system flexibility, and distributed market participation.

Stakeholder Engagement and Representation

- Liaise with NEPRA, ISMO, PPMC, NGC, DISCOs, and other market actors to inform and influence discussions around market and grid reforms.
- Represent RF in technical consultations, conferences, and working groups to share findings and shape the national dialogue on market transformation.

Team and Data Leadership

- Manage and expand the power market data repository, ensuring robust, accessible data for analytical and policy work.
- Mentor junior team members in modelling, market analysis, and technical writing.
- Collaborate with other RF programs to connect market analysis with broader clean energy transition goals.

Qualifications and Experience

- Master's degree in electrical engineering, power systems, or a related field.
- 5 years of relevant experience in Pakistan's power sector, ideally in power market analysis, system planning, or regulatory institutions
- Strong understanding of Pakistan's power sector frameworks, including IGCEP, TSEP, and CTBCM
- Demonstrated expertise in power system modelling and optimization tools (e.g., PLEXOS, PyPSA, LEAP, PSS/E, TIMES etc)
- Experience in generation and transmission system planning, renewable energy integration, and market reforms
- Commitment to advancing clean energy, climate resilience, and sustainable market transformation.

Application

If you would like to join our dynamic team, please apply at your earliest convenience. We process applications on a rolling basis. Female candidates are strongly encouraged to apply.

Please Email a letter of motivation, along with your CV in one PDF document and use the following format for the file name, "First name_Last name_Job Title" to hr@renewablesfirst.org