



RENEWABLES FIRST

Associate - Grids and Distribution

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

As Pakistan's power system evolves, the distribution grid, once a one-way network, is becoming the new frontier of energy innovation. Distributed solar, smart metering, and digital networks are set to reshape how power flows, how reliability is ensured, and how consumers interact with the grid.

Renewables First is seeking an Associate – Grids and Distribution, to support analytical, modelling, and policy work that explores how Pakistan's grid can become smarter, more flexible, and ready for high renewable integration.

The role will support technical assessments, regulatory analysis, and field-level research on grid modernization, distribution network planning, and integration of distributed energy resources (DERs). This is an opportunity for a technically grounded and curious professional who wants to be part of designing the next-generation grid, one that connects people, technology, and clean energy.

Key Responsibilities

Grid and System Analysis

- Support studies on grid reliability, loss reduction, renewable hosting capacity, and network flexibility.
- Conduct distribution-level modelling using tools such as PSSE, ETAP, OpenDSS, or PyPSA-Grid to assess the technical readiness of networks for DER integration.
- Analyse data from DISCOs and regulatory documents (IGCEP, TSEP) to identify gaps in distribution system planning and operations.

Policy and Reform Research

- Review NEPRA determinations, DISCO investment plans, and distribution codes to assess reform opportunities for grid modernization.
- Contribute to research papers and briefs on grid innovation, smart metering, and regulatory frameworks for distributed generation.
- Assist in developing recommendations for local energy markets, loss reduction strategies, and data-driven planning.



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Stakeholder Engagement

- Coordinate with DISCOs, NEPRA, and provincial energy departments on grid-related studies and consultations.
- Represent RF in workshops, roundtables, and technical forums on distribution reform and renewable integration.

Qualifications and Experience

- Bachelor's or master's degree in electrical engineering (power systems, distribution engineering) or a related field.
- 1-3 years of relevant experience in grid planning, distribution analysis, or regulatory work.
- Understanding of Pakistan's power system planning frameworks (IGCEP, TSEP, NEPRA codes).
- Familiarity with grid modelling tools (PSSE, ETAP, OpenDSS, PyPSA, or similar).
- Strong analytical writing, and communication skills.

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.

Email your CV and letter of motivation in one PDF file titled "First name_Last name_Associate - Grids and Distribution" to hr@renewablesfirst.org