

Terms of Reference (ToR)

Meghalaya New and Renewable Energy Development Agency (MNREDA)

Position Title : Junior Engineer – Renewable Energy
Reporting to : Director / Assistant Director (Technical), MNREDA

About MNREDA:

The Meghalaya New and Renewable Energy Development Agency (MNREDA) is the nodal agency for the implementation and promotion of renewable energy programmes and policies in the state. With the launch of flagship initiatives such as the **Chief Minister's Solar Mission** and other decentralized renewable energy programmes, MNREDA is scaling up its efforts to enhance energy access, promote sustainability, and support livelihood interventions through renewable energy solutions.

To support this growing mandate, MNREDA is seeking to recruit **Junior Engineers/** with a background in Electrical or Electronics Engineering or Mechanical Engineering who can contribute to the technical planning, development & implementation, and monitoring of various renewable energy projects across the state.

Key Roles & Responsibilities:

1. Project Implementation Support

- Assist in the planning, design, and implementation of solar and other renewable energy projects under the **CM Solar Mission**, standalone solar systems, microgrids, street lighting, solar-powered irrigation pumps, and hybrid energy solutions.
- Conduct site inspections, quality control, load analysis, and feasibility studies for decentralized renewable energy installations in rural and remote areas.
- Beneficiary handholding under various renewable energy schemes.

2. Technical Monitoring and Quality Assurance

- Support the installation, testing, and commissioning of renewable energy systems in coordination with vendors and contractors.
- Ensure adherence to technical specifications, quality standards, and safety norms during project execution. Monitor system performance, conduct fault diagnosis, and facilitate timely repairs and maintenance.

3. Coordination and Field Support

- Liaise with district-level officials, local communities, contractors, and other stakeholders for effective implementation of projects.
- Conduct field visits for regular inspections, resolve technical issues, and support capacity building initiatives.

4. Documentation and Reporting

- Prepare technical reports, inspection notes, measurement books, and site visit documentation.
- Maintain project records, inventory, and commissioning checklists for each site. Assist in preparing progress updates for submission to state and central authorities.

5. Support to MNREDA Missions and Programmes

- Contribute to MNREDA's mission to promote renewable energy adoption across sectors, particularly in alignment with state and national priorities.
- Assist in awareness campaigns, demonstration projects, and beneficiary training sessions as part of demand generation and sustainability efforts.

Required Qualifications:

- **Educational:** B.E./B.Tech in Electrical or Electronics Engineering or Mechanical Engineering from a recognized institution with minimum 60% marks or equivalent CGPA.

Experience & Required Skills:

- Minimum three (03) years of hands-on experience in the technical planning, development, implementation, and monitoring of renewable energy systems, particularly in field settings.
- Practical experience in the installation, testing, operation, and maintenance of solar photovoltaic (PV) systems, including off-grid, hybrid, and rooftop setups.
- Familiarity with basic electrical and structural design of renewable energy systems, including component sizing, layout preparation, and system integration.
- Ability to conduct site surveys, prepare technical reports, and support procurement and vendor coordination.
- Experience in working closely with local communities, contractors, and technical teams during project implementation.
- Candidates with prior involvement in government or development-sector renewable energy programmes will be given preference.

Required Skills and Competencies:

- Knowledge of solar energy systems, power electronics, and energy storage solutions.
- Ability to read and interpret engineering drawings and technical specifications.
- Proficiency in MS Office and basic design/simulation tools (e.g., AutoCAD, MATLAB desirable).
- Strong communication, field coordination, and problem-solving skills.
- Willingness to travel extensively to rural and remote locations.

No. of Vacancy:

Junior Engineer : 05 (Five)

Place of Posting:

Junior Engineer: East Khasi Hills, West Khasi Hills, East Garo Hills, South Garo Hills, West Jaintia Hills.

(Important Note: Selected candidates will be responsible for overseeing project implementation, operations, and management across a minimum of two districts.)

Remuneration:

Junior Engineer: (Min 3 yrs of exp required in relevant field)

Pay Components:

Base Pay	: Rs. 39000
HRA	: Rs. 5000
Mobile & Internet Allowance	: Rs. 1000
Gross Pay	: Rs. 45,000