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South African National Energy
Development Institute

ENERGY INNOVATION FOR LIFE
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Job Advert

Position: The Energy Efficiency Project Support Unit (EEPSU) Monitoring and Evaluation Technical Advisor

Programme: Programme 3

Division: Energy Efficiency

Location: SANDTON

Period: Fixed Term Contract - 2 years

1. Background of Programme

South Africa's Greenhouse Gas (GHG) emissions are high, in both absolute and per capita terms and this is mainly due to a primarily coal-based electricity supply industry, combined with a prevalent inefficient use of energy across many sectors. Moreover, the country is experiencing electricity supply shortages and has a high unemployment rate.

Public infrastructure, such as buildings, public lighting and water/ waste-water treatment plants, owned by and/or managed by municipalities, provinces, national government and State-Owned Entities (SOEs), contribute to the country's GHG emissions. Despite potential financial savings, and energy and emission reductions that could be achieved through the implementation of demand-side energy efficiency interventions, uptake and implementation to date has been limited. This is due to a

range of factors including capacity and resource constraints, data shortages, government procurement complexities, and access to finance.

To address these challenges and to fast track the large-scale roll out of energy efficiency across public institutions, the Department of Mineral Resources and Energy (DMRE), have developed the Energy Efficiency in Public Buildings and Infrastructure Programme (EEPBIP). The objective of the EEPBIP, which commenced in 2019, is to reduce GHG emissions in South Africa by catalysing an energy efficiency transformation within the public-sector environment. This will be achieved through the provision of appropriate technical and financial support, and a programmatic approach to identifying, developing, financing and implementing energy efficiency interventions in a consistent and replicable manner.

Energy Efficiency projects developed through the EEPBIP will be implemented by Energy Service Companies (ESCOs) via an Energy Performance Contracting (EnPC) model with public sector entities.

Through funding from the Mitigation Action Facility, combined with Technical Assistance from the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, the South African National Energy Development Institute (SANEDI) has been appointed to coordinate the Energy Efficiency Project Support Unit (EEPSU) for the EEPBIP. The role of the EEPSU will be to support public sector institutions in identifying and developing bankable energy efficiency projects that can be tendered to ESCOs under an EnPC model.

2. Qualifications & Minimum Requirements

- Minimum of a bachelor's degree in any of engineering or related fields
- Minimum 5 years' experience in a technical role related to M&E and or M&V
- Certificate as Measurement and Verification Professional (CMVP) will be an advantage
- Understanding of the International Protocol or South African Standard for Measurement and Verification and Energy Auditing
- Project management skills
- Working knowledge of energy efficiency project development requirements
- Working knowledge of key energy efficiency technologies in buildings, public lighting and waste-water treatment plants □ IT skills, specifically MS Office

3. Knowledge & Skills Required

- Knowledge on the South African energy sector, specifically energy efficiency and small-scale embedded generation
- Understanding of technical, financial and legal project development requirements
- Knowledge of public sector procurement processes an advantage
- Quantitative analytical skills
- Technical report writing
- Ability to present information in a clear and concise manner
- Team player with a commitment to working in a diverse team
- High level of problem solving and analytical skills
- Good communication skills
- Ability to multitask and meet deadlines.
- Attention to detail

4. Responsibilities of the role

4.1 Lead the design, establishment and operation of a Monitoring and Evaluation system for the Energy Efficiency in Public Buildings and Infrastructure Programme (EEPBIIP) to assist DMRE, project partners and public sector institutions monitor the implementation of large-scale energy efficiency projects under an EnPC model:

- a. Review the Programme M&E Framework at regular intervals and update accordingly, taking account of data requirements from DMRE, and also the Mitigation Action Facility – these will include monitoring or technical, financial and socio-economic impacts;
- b. Develop the scope and design parameters of a web-based M&E system;
- c. Lead the procurement of an experienced service provider to design and implement the M&E system;
- d. Oversee the gathering and input of key data and outputs, including systems for review and verification of data;
- e. Provide regular reports to DMRE, GIZ and other project partners as required;
- f. Support the development of the EEPBIIP long-term implementation strategy;
- g. Provide guidance and support to the Capacity Building and Awareness raising team on implementation of the M&E programme with programme partners and beneficiary institutions.

4.2 Support beneficiary institutions in the implementation of M&E systems

- 4.3 Provide guidance, also through the Capacity Building Team to beneficiary organisations on the identification, storage and reporting of key data.
- 4.4 Provide guidance in the development and implementation energy efficiency policies, strategies and plans to establish a sustainable, sector wide M&E system for public sector energy efficiency interventions:
- 4.5 Provide oversight and technical guidance on the implementation of Measurement and Verification (M&V) processes for the reporting of energy savings from projects:
- 4.6 Alignment with national standards: SANS 50010 as required
- 4.7 Alignment with other national and local programmes for energy efficiency
- 4.8 To support and conduct research activities as and when required on technical activities related to M&E and M&V.

Please email a detailed CV to: EEPSUmonitoring@sanedi.org.za

The closing date for this position is: **05 June 2024**

Should you not hear from SANEDI within 30 days after closing date of this advert, please consider your application unsuccessful.

Disclaimer: Eligible candidates from different races and creed under the age of 65 are encouraged to Apply, All applications will be subject to SANEDI recruitment policies.