

ENERGY DATA ANALYST / MODELLER (ENERGY SYSTEMS)

Technical Assistance package for the Sustainable Energy Support Programme in Tajikistan

Terms of Reference for Short Term Expert	
Expert position	Energy Data Analyst / Modeller
Expert Category	Junior non key expert
Mission start-end date	01.03.2024 – 13.11.2027
Minimum requirements	<p><i>Skills and qualifications:</i></p> <ul style="list-style-type: none"> ▪ A University degree in Energy Economics, Data Science, Statistics, or a related field is required. ▪ A minimum of 6 years of professional experience in data analysis ▪ Experience in energy data analysis, modelling, or related fields, preferably within the context of the electricity sector or energy policy will be a plus ▪ Proficiency in data analysis tools and software, statistical analysis, and data visualization. ▪ Strong analytical and problem-solving skills, with the ability to work with complex energy data sets. ▪ Excellent communication and interpersonal skills, with the ability to convey data-driven insights to both technical and non-technical stakeholders. ▪ Fluency in English, both written and spoken. Knowledge of Tajik or Russian languages is required. ▪ Commitment to utilizing data-driven approaches to inform energy sector decision-making, aligning with the objectives of the Technical Assistance Programme.
Duration/working days	Up to 410 working days
Task(s) assigned	<p>Data Collection: Assist in the collection and aggregation of energy-related data, including electricity generation, consumption, production, and infrastructure information.</p> <p>Data Analysis: Conduct data analysis to generate insights and trends related to energy consumption, efficiency, and performance in the electricity sector.</p> <p>Model Development: Support the development and maintenance of energy models that simulate and forecast energy production, consumption, and demand patterns.</p> <p>Scenario Analysis: Assist in conducting scenario analyses to evaluate the impact of different policy measures, energy projects, and reforms on the energy sector.</p> <p>Data Visualization: Create informative and visually appealing reports, charts, and dashboards to communicate data-driven insights to stakeholders.</p> <p>Capacity Building: Provide training and capacity-building support to utility personnel and stakeholders to enhance their proficiency in energy data analysis and modelling.</p> <p>Documentation: Maintain accurate records and documentation of energy-related data sources, models, and analysis procedures.</p>
Output(s)	Inception, mission and progress reporting, etc. as requested