

SOLAR POWER EXPERT

Technical Assistance package for the Sustainable Energy Support Programme in Tajikistan

| Terms of Reference for Short Term Expert | |
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| Expert position | Solar Power Expert |
| Expert Category | Senior 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 Renewable Energy, Solar Engineering, Electrical Engineering, or a related field is essential. A Master's or Ph.D. degree will be a plus ▪ A minimum of 12 years of professional experience in the energy sector ▪ Minimum of 3 years of specific professional experience on solar project development, grid integration, and regulatory compliance of solar projects. ▪ In-depth knowledge of solar energy technologies, including photovoltaic systems, concentrating solar power, and solar thermal systems. ▪ Proven experience in conducting technical assessments and feasibility studies for solar projects, with a track record of successful project development. ▪ Familiarity with international best practices and standards in the solar energy sector. ▪ Strong analytical and problem-solving skills, with the ability to address technical, regulatory, and financial challenges in solar project development. ▪ Excellent communication and stakeholder engagement skills, with the ability to collaborate effectively with diverse groups of stakeholders. ▪ Fluency in English, both written and spoken. Knowledge of Tajik or Russian languages is advantageous. ▪ Commitment to promoting solar energy as a sustainable and accessible energy source in Tajikistan, aligning with the objectives of the Technical Assistance Programme. |
| Duration/working days | Up to 110 working days |
| Task(s) assigned | <p>Solar Energy Strategy: Develop and implement a comprehensive solar energy strategy for Tajikistan, outlining the roadmap for solar power generation and integration into the national grid.</p> <p>Solar Project Development: Identify viable sites and opportunities for solar power projects, including utility-scale solar farms, distributed solar installations, and off-grid solutions.</p> <p>Technical Assessment: Conduct technical assessments and feasibility studies for solar projects, including resource assessment, technology selection, and grid integration.</p> <p>Regulatory Compliance: Ensure that solar power projects comply with national and international regulations, standards, and environmental requirements.</p> <p>Capacity Building: Provide training and capacity-building support to local stakeholders, including government agencies, utilities, and technical staff, to enhance their knowledge of solar power technologies and project development.</p> <p>Financing and Investment: Facilitate discussions with potential investors, financial institutions, and donors to secure funding for solar energy projects and initiatives.</p> <p>Environmental and Social Impact: Assess and mitigate the environmental and social impact of solar projects, ensuring responsible and sustainable development.</p> <p>Monitoring and Evaluation: Establish monitoring and evaluation systems to track the performance and impact of solar power projects.</p> |
| Output(s) | Inception, mission and progress reporting, etc. as requested |