

WATER SECTOR EXPERT

Technical Assistance package for the Sustainable Energy Support Programme in Tajikistan

Terms of Reference for Short Term Expert

Expert position	Water Sector 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 Water Resources Management, Environmental Science, Hydrology, 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 water sector management, ▪ A minimum of 3 years of specific professional experience related to water-energy nexus issues. ▪ Strong knowledge of national and international water resource management regulations, especially as they relate to energy production and cooling systems. ▪ Demonstrated expertise in integrating water resource considerations into energy sector reforms, particularly in the context of hydropower. ▪ Proficiency in data analysis and modelling related to water resource availability and quality. ▪ Excellent communication and stakeholder engagement skills, with the ability to collaborate effectively with diverse groups of stakeholders. ▪ Strong analytical and problem-solving abilities, with a focus on finding innovative solutions to water-energy challenges. ▪ Fluency in English, both written and spoken. Knowledge of Tajik or Russian languages is advantageous. ▪ Commitment to promoting sustainable water management practices within the energy sector, with a focus on environmental conservation and resource efficiency. ▪ Working proficiency in oral and written English and excellent command of Russian and/or Tajik.
Duration/working days	Up to 205 working days
Task(s) assigned	<p>Water Resource Management: Oversee the comprehensive management of water resources, focusing on their sustainable use and conservation, particularly in the context of hydropower generation and cooling systems for energy facilities.</p> <p>Regulatory Alignment: Ensure that water sector regulations and policies align with the goals and requirements of the energy sector reforms, promoting efficient and responsible water usage.</p> <p>Hydropower Integration: Collaborate with energy experts to optimize the integration of hydropower into the energy grid while minimizing environmental impacts and ensuring adequate water flow management.</p> <p>Environmental Sustainability: Develop strategies to address the environmental impacts of water use in the energy sector, including aquatic ecosystem preservation and water quality maintenance.</p> <p>Stakeholder Engagement: Engage with relevant government agencies, water utilities, energy companies, and environmental organizations to foster cooperation and alignment of goals in the water and energy sectors.</p> <p>Capacity Building: Provide training and capacity-building support to local stakeholders in the water sector, enabling them to manage water resources sustainably and efficiently.</p> <p>Data Analysis: Analyse data related to water resource availability, usage, and quality, making informed recommendations for sustainable water management strategies.</p> <p>Policy Development: Contribute to the development of policies and strategies that support the responsible use and conservation of water resources within the energy sector.</p>
Output(s)	Inception, mission and progress reporting, etc. as requested