

HYDRO POWER EXPERT

Technical Assistance package for the Sustainable Energy Support Programme in Tajikistan

Terms of Reference for Short Term Expert

Expert position	Hydropower Expert - Energy Sector Technical Assistance Programme
Expert Category	Senior NKE
Mission start-end date	01.03.2024 – 13.11.2027
Minimum requirements	<i>Skills and qualifications:</i> <ul style="list-style-type: none">▪ A University degree in Engineering or a related field university degree▪ Minimum 12 years of professional experience in the relevant field of hydropower engineering▪ Minimum 10 years of professional experience in hydropower development▪ Working proficiency in oral and written English and excellent command of Russian and/or Tajik.▪ The candidate must have experience in reading drawings, maps and performing economic and financial analysis for energy projects.▪ Candidate should have Expertise in using AutoCAD, GIS, Microsoft Project and hydropower engineering software for Modelling and simulations.
Duration / working days	Up to 105 working days
Task(s) assigned	Provide contribution in preparing, updating and implementing the hydropower strategy and technical guidelines; provide contribution to all studies on hydropower development; provide analytical reviews and assessment on specific hydropower project proposals as required; provide relevant technical inputs to the assessments of risks and impacts of decisions on water resources management and development in the basin; support the Hydro & RE Service of MoEWR in the preparation of identification and feasibility studies of the priority projects including ESIA studies; support Hydro & RE Service of MoEWR in choosing the best generation technology applicable under the national Energy Policy and Strategy as well as the most appropriate location of the RE projects and their connection to the national grid; support the economic evaluation and cost estimation of priority projects, leading thus for prioritization of the projects; perform other relevant tasks as required.
Output(s)	Hydro & RE Service of MoEWR are prepared for identification, feasibility and ESIA studies of the priority projects incl. selection of best technologies and sites.