

REQUEST FOR EXPRESSION OF INTEREST

Feasibility of Battery Energy Storage System (BESS) in India

Publication date: March 15, 2023

Submission date: **March 25, 2023**

Country: India

Scope of Work

Conduct a feasibility study for implementing Battery Energy Storage Systems (BESS) in two representative states in India. The project aims to identify the value streams of grid-tied BESS, provide techno-commercial feasibility studies, and develop appropriate business models while addressing regulatory and policy gaps. The scope of work includes activities such as demand profiling, dispatch analysis, financial analysis, and capacity building. The project timeline includes phases for inception, drafting, review, and finalization of reports. Consultants are expected to possess relevant skills and work as a team to deliver comprehensive and actionable recommendations.

Eligibility Requirement:

The expected skill set and team composition for the consultancy project emphasize a comprehensive blend of international expertise and local familiarity with Indian grid operations and financial analysis for utility-scale Battery Energy Storage System (BESS) projects. The proposed team should include specialists in power market and regulatory affairs, with over 15 years of experience in power sector planning and project management. Additionally, technical experts with 10-15 years of experience in transmission, distribution, and generation are required to conduct power system modeling tailored to India's context. Economic experts, with 10-12 years of experience in financial analysis of renewable energy and BESS projects, are needed to assess various business models and ensure alignment with bankability requirements. Local coordination may be necessary, facilitated by agents with experience in government agency collaboration. Proposals should prioritize technical rigor, adaptability, and extensive experience in regulatory and technical aspects of the international and Indian power systems. Furthermore, engagement capabilities with stakeholders and a focus on intellectual property rights are crucial aspects of the proposal. The proposal length is expected to be no more than 45 pages, emphasizing conciseness and clarity in presenting the team's qualifications and approach.