

REQUEST FOR EXPRESSION OF INTEREST  
Alternative Energy Storage Study in India

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**Country:** India

**Description of procurement:**

The World Bank team working on Accelerating Coal Transition (ACT) facility is looking for the service of a consulting firm (Consultant) to undertake a technical study that provides a foundation for deployment of alternative energy storage (AES) technologies at repurposed coal mines and plants in India. The Consultant to be hired for this assignment will advise the World Bank in this emerging area and will inform Bank's future engagement in selected locations in India, contributing further towards the dialogue on coal plant and mine repurposing in India as well as to the Bank's global knowledge. For the purpose of this assignment, the term alternative energy storage technologies mean all energy storage options except for batteries (electro-chemical options) and storage hydropower (pumped-storage or conventional). Most such AES options may be mechanical (e.g., gravity, compressed air, liquid air, flywheel, etc.) or thermal systems (e.g., liquid metal, molten salt, latent heat and solid state, etc.) but shall not be limited to these since there may be others that should be covered under the assignment.

The scope of work for this assignment will include global assessment of AES technologies; selection of AES options suitable for India; detailed evaluation of AES options selected for India; and recommendation on how these options may be deployed in pilot programs in India.

**Eligibility Criteria:**

Following requirements are needed from the consulting firms.

Demonstrated experience on alternative energy storage technologies focused on, but not limited to, mechanical and thermal systems, and others
Demonstrated knowledge and exposure to the Indian energy sector, with a good understanding of coal mine and coal-fired power plant sectors in India
Demonstrated experience in understanding coal mine and coal-fired power plant operations. Desirable experience in India.

For more information about technical details and requirements, please email to [info@tenderingprojects.es](mailto:info@tenderingprojects.es)