

F.A.Q

Tender No. 83438058

Tender Title: Engagement of Consultant for Study of Repurposing Options for Coal Mines in India

Date: 24 May 2023

S.No.	Existing Clause	Page No.	Query	Response by GIZ
1.	<p>TOR</p> <p>Working principle of technology – <i>Give a simple explanation of the working principle of the technology. The less established the technology, the more detailed. Include Diagrams. Detail also different technology options for PSH and PUSH, highlight differences, advantages and disadvantages, and consider them going forward.</i></p> <p>Conditions determining suitability of technology – <i>Show what specific conditions are needed for the technology to work at all but also for it to work effectively and sustainably. This should be exhaustive and go as far as covering geological conditions necessary for the options under 3.a. Specifically for (underground) pumped hydro storage: Put emphasis on minimum height difference required.</i></p>	04	<p>We understand that the diagrams here refer to the general layout/process flowsheet or the specific based types of mines (e.g. Opencast & Underground) specific layout. We understand the consultant is required only to cover the working principle of technology and do not require to provide details viz. scientific drawings & proven efficiencies etc.</p> <p>Kindly confirm our understanding.</p> <p>We understand that geological conditions include geotechnical, chemical and physical characteristics of the rock or the design layout of the mine.</p> <p>Please confirm.</p>	<p>Diagrams should help explain the working principal of the technologies. If possible, also specific to their usage in a mine (especially for PSH and PUSH). These diagrams in some cases may be flowsheets/process diagrams, but they may also include drawings of technology. For example, for PSH, refer to this diagram on Wikipedia Raccoon Mountain Pumped-Storage Plant - Pumped-storage hydroelectricity - Wikipedia</p> <p>Geological conditions include geotechnical, chemical and physical characteristics of the rock. The design layout of the mine should also be covered, however. “Specific conditions” should be exhaustive, as mentioned in the TOR.</p> <p>Environmental impact should be based on what is generally seen across projects of these kind. If more</p>

	Potential environmental impact locally and GHG emission reduction potential – <i>Dive into climate and environmental impacts of the technology. Assess if and how it can contribute to GHG savings also giving attention to life cycle emissions. Also thoroughly examine the impact on the local environment.</i>		<p>We understand that these tasks include assessment of environmental impact generally seen across projects of these kind and any site / location specific studies are not envisaged under this study.</p> <p>Please confirm.</p>	specific studies are available, these should also factor into the considerations. No new site/location-specific studies have to be performed.
2.	Economic feasibility analysis – <i>Assess the economic feasibility of repurposing a coal mine with this technology, addressing the conditions determining the economic feasibility of the technology. Show break-even points graphically.</i>	4	<p>We understand that the economic feasibility assessment will include identification of factors determining the economic feasibility of particular technology and will not require preparation of economic models which is an exhaustive task.</p> <p>Please confirm.</p>	Factors should be identified but simple economic models should also at least be graphically represented.
	<p>Repurposing Coal Mines in India</p> <ul style="list-style-type: none"> a. Overview on coal mines in India b. Status quo of repurposing of coal mines in India – <i>What is already being done with regards to repurposing mines in India? Experience so far? Pipeline? Status and plans by private, state and central Govt. stakeholders. Also</i> 	6	<p>We understand that it may be tedious to prepare a mine specific report and GIZ is willing to have a strategy and directional document taking case of 4-5 abandoned mines. Also, the scouting of data from all the existing coal mines in India under Govt. / Private agencies will be a time consuming task and only in case GIZ provides the necessary list of the coal mines (to be considered for study) to the consultant the assignment can be executed within the stipulated time.</p> <p>Please consider and confirm the extent of study.</p>	The report shall not be specific to any few mines. Overview is supposed to be just that: a general overview on coal mines in India. Without having an idea of the conditions of coal mines in India, it seems impossible to assess suitability of technologies to the Indian context. To gain this overview, however, it may not be necessary to scout data on all coal mines.

	<i>include non-coal mines for this.</i>			
3.	<u>Qualifications of the team leader</u> Education/training (2.1.1): University qualification (German 'Diplom'/Master) in Business Administration, Engineering, Economics or other relevant fields	8	<p>We understand that this "German Diploma/Master has been mentioned to specify the level of educational qualification of the expert and does not necessarily mean requirement of holding qualification of German educational institutions.</p> <p>Hence, we understand that "Diploma/Degree from any Indian University in Business Administrations, Engineering, Economics or other relevant fields will also be considered as qualification experience. Please confirm.</p>	A diploma/degree equivalent to a European Master's degree or an American Graduate degree in the relevant fields will be considered as fulfilling the qualifications.
4.	<u>Personnel Concept:-</u> <u>Tasks of the team leader</u> <ul style="list-style-type: none"> - Personnel management, in particular identifying the need for short-term assignments within the available budget, as well as planning and steering assignments and supporting local and international short-term experts <p>The bidder must have the following administrative and financial requirements for conducting the assignment.</p>	8 & 9	<p>We request you to please clarify what this statement represents:</p> <p>Kindly clarify.</p> <p>We understand that a company registered in India is also eligible for the participation.</p>	<p>The team leader is responsible for managing the team as well as selecting the international experts to take part in the project. The team leader shall also divide work among the local and international experts and coordinate with everyone.</p> <p>Your understanding that a company registered in India is eligible is correct.</p>

	<ul style="list-style-type: none"> Be a registered as national organization or entity. <p>Short-term expert pool with minimum 1, maximum 2 members</p>		<p>Kindly confirm the understanding.</p> <p>We understand that Indian expert with international experience can also be considered suitable for this position.</p> <p>Kindly confirm this understanding.</p>	<p>No, only international experts can be considered for the short-term expert pool.</p>
5.	Pre-bid queries & timeline		<p>As this assignment requires expertise across a number of different areas, we would request you to extend the submission deadline by at least two (2) weeks which will equip us to submit a good proposal.</p>	<p>8th June 2023 is the revised deadline.</p>
6.	Submission of bid documents		<p>Does the email for bid submission needs to be sent from the email id of the authorized signatory only?</p> <p>Please confirm.</p>	<p>Email ID has to be company's email id.</p>
7.	Chapter 0		<p>Request you to clarify the contents of chapter 0</p>	<p>Chapter 0 in the ToR is just a list of abbreviations used in the ToR.</p>
8.	Beneficiary of the assignments		<p>Request you to kindly clarify who is the beneficiary of this report. As the TOR mentions 2 names ie IGEF & MoP.</p> <p>We require this information for our internal risk & compliance purpose.</p>	<p>GIZ, of which IGEF is one project, is the beneficiary of this report. However, MoP as a partner of IGEF, may also read and promote the report.</p>
9.			<p>Indo-German Energy Forum seems to be a government entity. Please confirm and provide the name of the government under which it falls. If not, please provide the shareholding</p>	<p>IGEF is a project under GIZ GmbH.</p>

			details.	
10.			The short-term expert pool suggested under the ToR comprises Indian experts with international experience or international experts only. Please confirm.	Only international experts can be considered for the short-term expert pool.