



Athens, 30.08.2019

Responses to clarification questions submitted by Interested Parties as per the Request for proposals for the provision of specialised technical services to the Hellenic Republic Asset Development Fund (“HRADF”) in relation to the right in the underground natural gas storage (“UGS”) facilities in South Kavala (the “RfP”).

#	Question	Answer
1	Could you please inform our understanding of the current situation of the development and exploitation of the UGS in the depleted offshore South Kavala gas field? To which extent has the feasibility of the conversion of the reservoir to a gas storage been assessed previously? Could you please elaborate to which extent and granularity the pre-studies have advanced? Is there a FEED study available? Is there more detailed engineering been done?	The Kavala gas field is partly operational, as the gas field concessionaire still extracts limited quantities of gas. The extent and completeness of the data on hand should be assessed by the Technical Advisor. All available data will be provided to the Technical Advisor through an electronic data room.
2	Could you please elaborate on the quantum and quality of the available data for the due diligence as well as how the data are made available? Which data are available? For which historical periods? In which language are the data available? In which formats are the data available (pdf, xls) Are the data all available in a virtual data room/ remotely accessible electronic sharepoint?	Available data include both raw and processed data. The available data is primarily in English and in pdf format. The data will be made available to the Technical Advisor through an electronic data room.
3	Could you please elaborate on the extent of the expected assessment of environmental risks? Does this refer to operational environmental risks like emissions to air, risk of gas leakages, contamination of soil and sea water etc.? Or do you expect a wider scope including risks resulting from earth	We confirm that operational environmental risk assessment is a priority in relation to the environmental scope of work. Structural and operational risks resulting from earthquakes are part of the technical due diligence work stream and more specifically of seismic data assessment and the asset integrity review.



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	quakes and the risk of storage operations to cause earth quakes?	
4	Could you please explain your expectations as to the level of accuracy for the estimation of CAPEX and OPEX? And please comment how your accuracy requirement relates to the level of available information and the level of pre-studies for the Project.	Based on the various performance specifications scenarios, different CAPEX and OPEX scenarios should be in place, while the indicated CAPEX and OPEX cost is expected to be provided within a reasonable range.
5	Could you please explain which contracts shall be assessed (licenses, supplier contracts, envisaged contracts with storage customers, etc.)?	At this point we cannot comment on the availability of data. The collection of data will be an ongoing activity coordinated by HRADF following the project's kick off.
6	Could you please elaborate on the envisaged extent of the technical advisor's contribution and how the interaction with the legal advisor shall work?	The extent of the Technical Advisor's contribution is fully described in the detailed scope of work included in the RfP. In relation to the Technical Advisor's interaction with the legal advisor, it is expected that the Technical Advisor will provide any required assistance, from a technical point of view, for the legal advisor to address any issues requiring both technical and legal expertise during the course of the Project.
7	Please elaborate on quantum and audience of third-party communications and potential investor communications? Can we assume that the primary communication will be done by the HRADF and/or its Financial Advisor/M&A Advisor/ Investment Bank and the Technical Advisor only provides limited technical input? Is such communication in writing only? Does it contain face to face meetings (and how many) or telephone/video conferences (and how many)?	HRADF along with its Financial Advisor will handle the communication and the Technical Advisor will be providing technical input in communication with third parties when required. The means of communication may vary depending on the phase of the project and under the requirements to be identified in the tender documents. Indicatively during the tender process answers to technical questions will be provided in writing and physical meetings may also take place.
8	We understand that there are two phases of the engagement. Could you please clarify the minimum and maximum duration of the first phase, the "Preparation Phase"?	At this point we cannot comment on the Project's exact timeline.



9	What kind of documents will be provided to assess the condition of the current equipment and technical installations? How recent are these documents? Is the entire existing gas production installation available for a potential use for the potential future storage? Is the decommissioning of the existing installation within the scope of the Feasibility assessment? Will the existing oil production facility be able to provide any service e.g. production water disposal? What is the battery limit for the pipeline connection to the national gas grid (Technical requirements defined by the grid operator, location of connection)?	At this point we cannot comment on the existing infrastructure. The collection of data will be an ongoing activity coordinated by HRADF following the project's kick off. A high-level estimation of the decommissioning could be an option.
10	What are the performance specifications for the storage to fulfill strategic and trading requirements	Some initial performance specifications have already been identified. These specifications should be compared against different demand scenarios and capex requirements for each set of specifications to derive the optimal in terms of operating efficiency performance specifications.
11	What data, including reports will be made available to the successful bidder, specifically what does the approved Asset Development Plan of HRADF contain? Is it a development plan describing in some detail all aspects of the conceptual design for the underground gas storage reservoir, to achieve the specified objectives? For example, does it include: Defining the number of wells, types of completion; offshore and onshore facilities; size and location of compressors as well as the required onshore metering and connections to the gas transmission system? OR Is it more of an outline functional specification for the gas storage facility, where the Technical Advisor is expected to come up with the detailed conceptual design?	At this point we cannot comment on the availability of data. The collection of data will be an ongoing activity coordinated by HRADF following the project's kick off. As per the RfP, the Technical Advisor's scope of work will be based on existing data and no collection of raw data and/or procurement of new data will be required. Part of the scope of work of the Technical Advisor will be to review and assess the completeness and adequacy of the available data for the purposes of HRADF's envisaged transaction.



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12	Will the specifications of the gas storage, such as required production rates and durations and uptimes/availability, etc., be defined by the Technical Advisor or will it be provided by others – such as the Greek government department responsible for gas supplies?	Some initial performance specifications have already been identified. Part of the scope of work of the Technical Advisor is to compare these specifications against different demand scenarios and capex requirements for each set of specifications to derive the optimal in terms of operating efficiency performance specifications.
13	Are there any pre-qualification requirements to respond to this RfP?	Qualification criteria are described under paragraph 4 of the RfP.
14	Is there a preliminary data list of the relevant reports, data and material to be compiled for the VDR? Is there 3D seismic? Are there 5 wells of 7 (including sidetracks at SK-3)? Is there a digital Static and dynamic model to support cushion gas statements and available for review? Which software?	At this point we cannot comment on the availability of data or on the existing infrastructure. The collection of data will be an ongoing activity coordinated by HRADF following the project's kick off.