

#	Reference	Clarifications / Question	Responses / Confirmation / Addendum
1		For Nilandhoo Island, where there is localised Solar PV inverter, there is a possibility to control the solar but how do you control the solar distributed across the city rooftop for Dhidhoo Island?	Solar PV systems will be controlled via fiber optic cables. Which will be laid from PV sites to the BESS/EMS location.
2		Any indication of the area dimension available for the BESS at both power houses?	Supplier should propose adequate area required for the BESS room. Required area for the BESS room will be provided within powerhouse boundary.
3		How does the existing DG synchronize with the microgrid?	Existing DGs synchronize with the grid via Deepsea controller.
4		How many DGs exactly for each of the sites?	Please check Section 6.
5		<p>Please clarify:</p> <p>Basic information of the project are as follows:</p> <ul style="list-style-type: none"> - Island-01: 1200kw photovoltaic, equipped with 0.33c energy storage, with 1mw/3mwh; annual electricity consumption 12500 kilowatt hours; - Island-02: Unknown photovoltaic, equipped with 0.66c energy storage, with 2mw/3mwh; annual electricity consumption 25,500 kilowatt hours - EPC requirements: <ul style="list-style-type: none"> (i) The main equipment is: flow battery storage system with a minimum nominal output of 1,000 kW and a capacity of 3,000 kW, including battery management system, Flow BESS enclosure and auxiliary equipment (ii) Quantity: two sets (ii) Used in conjunction with diesel generators and 	It must be flow batteries only.



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		<p>photovoltaics. When photovoltaic power generation is sufficient, photovoltaic energy will be used first, and diesel generators will be used when it is insufficient. The energy storage is discharged at night.</p> <p>(iii) The owner requires a flow battery energy storage system, and our company is currently doing is lithium battery energy storage. The functionality is the same.</p> <p>(iv) The price of flow batteries is much higher than lithium battery.</p> <p>Please clarify if the lithium battery energy storage solution is accepted? Or it must be flow batteries.</p>	
6		<p>Upon reviewing the bidding forms provided for the "Design, Supply, and Installation of Flow Battery Energy Storage Systems and Energy Management Systems" tender, it has come to our attention that there is a discrepancy on the quantity and the capacity of the BESS for 2 islands. Please see attached bidding forms (page 13) and the Summary of the characteristics of the Flow BESS to be built. Therefore, please let us have the clarification on same.</p> <p>Re. charging and discharging rating of the BESS at both islands, please confirm the required charging and discharging rates for the 1000 KW and 3000KWhr BESS (@ NILANDHOO island) and 2000KW and 3000KWhr (A10 - HA DHIDHOO) islands.</p> <p>We also wish to request for an extension on the tender closing date May 14th, 2024, due to the site visits we are</p>	<p>The values provided in "Summary of the characteristics of the Flow BESS to be built" are correct values. For Nilandhoo: Charging and discharging rate is 1000kW and for Dhindhoo island it is 2000kW.</p> <p>Bid Submission deadline will be extended by 2 weeks and will be informed in the next Addendum.</p>



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		carrying out and other detail documents being prepared for a comprehensive offer. We would appreciate it very much if we could get a 2 weeks extension from 14th May 2024.	

