

Addendum 01

Package Name: Procurement of Pre-Development Study, Design, Supply and Installation and Maintenance of Pilot Wind Renewable Energy for Manadhoo Island, (Package P-4)

This Addendum 01 is issued in accordance with Sub-Clause No. 8.1 of Section 1 – Instructions to Bidders. The addendum forms part of the Bidding Document.

1) Section 2: Bid Data Sheet (13.4 and 24.1 Revised as follows)

ITB 13.4	<p>Alternative technical solutions shall be permitted for the following parts of the plant and services: Wind Turbine Parameters and Capacity as further detailed below. If alternative technical solutions are permitted, the evaluation method will be as specified in Section 3 (Evaluation and Qualification Criteria).</p> <p>Wind Turbine Parameters and Capacity: Higher capacities and alternative parameters are possible but must comply with ADB's environmental safeguards – e.g. noise and shadow flicker analysis required to show compliance.</p> <p>Note: Although alternative technical solution is permissible, bidders should be aware that they are only allowed to submit a single proposal with one solution.</p>
ITB 24.1	<p>For bid submission purposes only, the Employer's address is</p> <p>Attention: Ms. Fathimath Rishfa Ahmed, Chief Procurement Executive Address: National Tender, Ministry of Finance and Planning, Ameenee Magu, City: Male' ZIP Code: 20379 Country: Republic of Maldives</p> <p>The deadline for bid submission is Date: 24th February 2025 Time: 11:00:00 hours Maldivian Time</p>




2) Section 3 - Evaluation and Qualification Criteria (1.2 Revised as follows)

1.2 Alternative Technical Solutions

Technical alternatives, if permitted under ITB 13.4, will be evaluated as follows:

Wind Turbine Parameters and Capacity:

If the system proposed by the bidder is composed of individual turbine units other than 25kW units, the noise and shadow flicker analysis of the aggregated wind turbine array/system (of at least 100kW) must comply with the noise and shadow limits, i.e. Noise Limit: 35dB at 10m/s at 10m height as Laeq90; Shadow Limit: 30 hours per day; 30 minutes maximum per day on worst day, for the residential area (edge) 200m away from the site. The Bidder must send data sheets and Noise and Shadow Flicker Analysis for their proposed solution together with their Bid Submission.

3) Section 4 - Bidding Forms (Schedules of Rates and Prices - Revised as follows)

Schedule No. 1: Pre-development Studies

Item	Description	Country of Origin	Quantity	Unit Price ^a		Total Price ^a	Sales and other Taxes	
				Foreign Currency	DDP	Foreign Currency		
1	2	3	4	5	6	7 = 4 x 6	8	
A.	Pre-development Studies							
1.	Feasibility study		1 lot					
2.	Environmental impact assessment		1 lot					
3.	Resource assessment		1 lot					
4.	Techno-economic assessment		1 lot					
TOTAL A.								
TOTAL Column 7 to be carried forward to Schedule No. 6: Grand Summary								

Name of Bidder _____

Signature of Bidder _____

^a Specify currencies in accordance with ITB 19.1 of the BDS. Create additional columns for foreign currencies if so required.

Schedule No. 2: Plant and Mandatory Spare Parts Supplied from Abroad

Item	Description	Country of Origin	Quantity	Unit Price ^a		Total Price ^a	Taxes and Duties
				Foreign Currency	DDP	Foreign Currency	
1	2	3	4	5	6	7 = 4 x 6	8
A.	Hybrid power plant (meeting EMP requirements)						
1.	Wind turbine generator		1 lot				
2.	Wind turbine towers and foundations		1 lot				
3.	Wind turbine controllers		1 lot				
4.	Shadow flicker modules (if required for design to meet criteria)		1 lot				
5.	Wind turbine inverters		1 lot				
6.	Inverter mounting systems (outdoor wall mounted), canopy for protection fence, and entry door		1 lot				
7.	Wind Turbine plants – other required equipment (cabling, protection, wall mounting systems for inverters, etc.)		1 lot				
8.	Li-ion battery storage system including housing for BESS and auxiliary equipment		≥100 kWh if nominal discharge rate 1C				
9.	Battery inverter		≥100 kWh				
10.	Hybrid plant control systems, work stations, and related accessories		1 lot				
11.	Meteorological station		1 lot				
12.	Power House		1 lot				
TOTAL A.							
B.	Hybrid power plant mandatory spare parts for wind turbine and batteries						
13.	Wind turbine inverters		≥5%, minimum 1 inverter of each type				
14.	Cable connectors		0.5%				
15.	DC string fuses		0.5%				
16.	Spare parts for battery storage system		According to supplier				
17.	Battery inverter		≥5%, minimum 1 inverter of each type				
18.	Other key electrical components: cables, consumables, auxiliary, transformer, MV terminations & connectors, protection, breakers, etc.		To be defined by Bidder				
TOTAL B.							
C.	Grid Integration						

Item	Description	Country of Origin	Quantity	Unit Price ^a		Total Price ^a	Taxes and Duties
				Foreign Currency	DDP	Foreign Currency	
1	2	3	4	5	6	7 = 4 x 6	8
	(meeting EMP requirements)						
19.	Integration of wind turbine and battery energy storage system to the existing power plant.						
TOTAL C.							
TOTAL Column 7 to be carried forward to Schedule No. 6: Grand Summary							

Name of Bidder _____

Signature of Bidder _____



^a Specify currencies in accordance with ITB 19.1 of the BDS. Create additional columns for foreign currencies if so required.

Schedule No. 4: Design Services

Item	Description	Quantity	Unit Price ^a		Total Price ^a		Sales and other Taxes
			Local Currency Portion	Foreign Currency Portion		Foreign Currency Portion	
1	2	3	4	5	6 = 3 x 4	7 = 3 x 5	8
1.	Front-end engineering design of the complete hybrid power plants systems and upgrade of the existing facilities according to Employer's specification requirements and meeting EMP.	lump sum					
2.	Detailed engineering design of the complete hybrid power plants systems and upgrade of the existing facilities according to Employer's specification requirements and meeting EMP	lump sum					
TOTAL Columns 6 and 7 to be carried forward to Schedule No. 6: Grand Summary							

Name of Bidder _____

Signature of Bidder _____



^a Specify currency in accordance with ITB 19.1 of the BDS.



Schedule No. 5 - Installation and Other Services

Item	Description	Quantity	Unit Price ^a		Total Price ^a		Sales and other Taxes
			Local Currency Portion	Foreign Currency Portion	Local Currency Portion	Foreign Currency Portion	
1	2	3	4	5	6 = 3 x 4	7 = 3 x 5	8
Installation (all meeting EMP requirements)							
1.	All types of technical and environmental survey, soil tests, excavation, site filling and development (as per international standard and formation level fixation prior site visit performed by EPC contractor), other necessary tests as per Employer's requirements described in Bidding Document	1 lot					
2.	Installation of all wind Turbine power plants	1 lot					
3.	Installation of all Battery storage system	1 lot					
4.	Commissioning of the whole hybrid systems	1 lot					
5.	Installation and commissioning of hybrid power system and its equipment (LV distribution Board, Main LV distribution board in Power house/s, Power Cables) and associated works	1 lot					
6.	All necessary civil works including wind turbine foundations, Distribution box foundation, modification of concrete cable trenches in the powerhouse.	1 lot					
Other services							
7.	O&M support services for the period of 1 year (meeting EMP requirements)	1 lot					
8.	Overseas training program	1 lot					
9.	Overseas travel expenses	1 lot					
10.	Overseas training pocket expenses	1 lot					
11.	Training at the site (including EMP requirements)	1 lot					
12.	STI, STD and HIV/AIDS alleviation program ^b	1 lot					
TOTAL Columns 6 and 7 to be carried forward to Schedule No. 6: Grand Summary							

Name of Bidder _____

Signature of Bidder _____

^a Specify currency in accordance with ITB 19.1 of the BDS.

^b As described in SCC 22.2.7.



Schedule No. 6: Grand Summary

Schedule No.	Title	Total Price ^a	
		Foreign	Local
1	Pre-development Studies ^b		
2	Plant and Mandatory Spare Parts Supplied from Abroad ^b		
3	Plant and Mandatory Spare Parts Supplied from Within the Employer's Country ^b		
4	Design Services ^b		
5	Installation and Other Services ^b		
Grand Total to be carried forward to Letter of Price Bid			

Name of Bidder _____

Signature of Bidder _____

^a Specify currency in accordance with ITB 19.1 of the BDS. Create additional columns for foreign currencies if so required.

^b Taxes and/or duties may be added to the contract price in accordance with GCC 14 (Taxes and Duties) but excluded from bid evaluation in accordance with ITB 39.2.

Schedule No. 7: Recommended Spare Parts

Item	Description	Quantity	Unit Price ^a		Total Price ^a	
			EXW Local Parts Local Currency	CIP Imported Parts Foreign Currency	Local Currency Portion	Foreign Currency Portion
1	2	3	4	5	6 = 3 x 4	7 = 3 x 5
1	Spare parts & consumables for the first 2 years of operation	1 lot				
TOTAL						

Name of Bidder _____

Signature of Bidder _____

^a Specify currency in accordance with ITB 19.1 of the BDS.