Environmental Investment Fund of Namibia | ensuring sustainability

BIDDERS QUESTIONS WITH REPLIES/CLARIFICATIONS BY EIF

ADDENDUM 1:

PROCUREMENT REFERENCE: G/OAB/EIF-NGHP-2/2025
DESCRIPTION: SUPPLY AND DELIVERY OF METEOROLOGICAL MAST EQUIPMENT FOR A MEASUREMENT CAMPAIGN.

DATE: 23 JUNE 2025

Question no.	Questions/Clarifications from Bidders	Answers/Clarification by EIF
1.	Is this a supply and delivery only bid, or should we also quote for the installation of the systems?	Please note that this bid is strictly limited to the supply and delivery of the Met Mast equipment. Kindly do not include quotations for installation services. We acknowledge that Met Mast technologies may vary across suppliers, and that, in an ideal scenario, both supply and installation would be undertaken by the same entity. However, this particular procurement process pertains solely to the provision and delivery of the equipment.
2.	Lidar: • We notice that there is a LIDAR mentioned in the specifications (Page 9, 4.1.2 – Equipment, sensors and cabling). The QTY of Lidar units is not specified or mentioned in the list	Yes, the RFQ includes Lidar equipment. Please note that Lidars are only to be used as a means of secondary data collection. Kindly provide a quotation for a ***one*** LiDAR unit. Additionally, please

	of goods and pricing schedule. Please can you confirm if the RFQ includes the supply of LIDAR, and if so, how many and what is the spec for the units? We would require the following information if LADAR is required • Does the LIDAR unit need to be installed into a trailer? If so, what type of trailer? Closed or open. • Power spec for the lidar. • Data transfer technology. GSM or satellite.	indicate any discounts that may apply should we proceed with an order of ***two*** units as a means of secondary data collection. Data from the Lidars will be used to supplement the met mast data in mapping the wind speed and direction, turbulence, and wind shear. Unlike the met masts, the LIDAR sensor is mobile should be mobile and will moved from one site to another to further reduce wind resource uncertainty. Specification: Classification – **WindCube** LiDAR. The reliability of the LiDAR system is key, given the extreme conditions of the Tsau Khaeb National Park environment. No, the LIDAR does not need to be installed into a trailer. It should be secured on a platform. No trailer required. Power supply: Solar PV power supply and batteries. Data transfer technology: Satellite because of potential connectivity issues in the Tsau Khaeb National Park environment.
3.	Are the mast free standing or inside trailers paced QTY of lidar units is not specify or 1-unit pers site.	The Met Mast should be free standing. Kindly provide a quotation for a ***one*** LiDAR unit. Additionally, please indicate any discounts that may apply should we proceed with an order of ***two*** units as a means of secondary data collection. Data from the Lidars will be used to supplement the met mast data in mapping the wind speed and

		direction, turbulence, and wind shear. Unlike the met masts, the LIDAR sensor is mobile should be mobile and will moved from one site to another to further reduce wind resource uncertainty.
4.	Timeline is 4 weeks our manufactures have indicated 16 weeks. will be neg with a successful bidder or can it change.	The delivery timeline for the equipment is estimated at 12 weeks from the issuance of a Purchase Order, subject to negotiation for an extension of up to 15 weeks.
5.	Payment terms how are it working. Before or after	Payments will be made after delivery of goods. However, any deviation will be considered at the contracting stage.
6.	Does having a local partner for this phase of the project add any value to the bidding process?	At this stage the tender is for design, manufacture and delivery of equipment. A local partner would not add any value. We usually involve local companies in the installation phase as they would then have the skill sets to add value to the project
7..	Are we allowed to be involved in more than 1 bid.	No, not allowed.
8.	Your delivery time for the project is 4 weeks, the standard manufacturing period for 10 masts is 12 to 14 weeks. Is this period negotiable?	The delivery timeline for the equipment is estimated at 12 weeks from the issuance of a Purchase Order, subject to negotiation for an extension of up to 15 weeks.
9.	Can the tender be delivered electronically	Yes, tenders can be submitted electronically at Procurement@eif.org.na .
10.	You have mentioned Ultrasonic senors , do you have an indication of how many of the masts would require these ?	**Anemometer (wind speed)** • 8 anemometers for each mast at various intervals, from 60m to 120m **Wind Vane (wind direction)** • 3 wind vanes for each mast **Temperature, Humidity and Pressure Sensor** • 2 installed on each mast. **Barometers**

		• 1 barometer on each mast **Pyranometers** • 1 Pyranometer on each mast
11.	Are the masts to be delivered in containers ? or is their a storage area for them to be offloaded?	There will be s storage area for offloading the Met Mast. Please do include provide quotations for storage of Met Mast.
12.	Are all import taxes for your account ?	As per Incoterms specified in the bidding document.
13.	How many Lidars are required ? Will they need power supplies and fencing ?	Kindly provide a quotation for a ***one*** LiDAR unit. Additionally, please indicate any discounts that may apply should we proceed with an order of ***two*** units as a means of secondary data collection. Data from the Lidars will be used to supplement the met mast data in mapping the wind speed and direction, turbulence, and wind shear. Unlike the met masts, the LIDAR sensor is mobile should be mobile and will moved from one site to another to further reduce wind resource uncertainty. Specification: Classification – **WindCube** LiDAR. The reliability of the LiDAR system is key, given the extreme conditions of the Tsau Khaeb National Park environment. Power supply: Solar PV power supply and batteries. Lidars should be secured on a platform.
14.	The form on the List of goods and Price schedules says Met Mast Equipment are 10 in quantity. Does this quantity mean a total of 10 Masts or 1 Mast and 9 sensors.	We require 10 Met Mast (10 Steel guyad lattice Met Mast that will each be anchored on Met Mast foundations on 10 sites). Please see details of various sensors in question 16.
15.	Please confirm the quantity of sensors required per sensor; 3 Anemometers per	**Anemometer (wind speed)** • 8 anemometers for each mast at various intervals, from 60m to 120m

	mast?, 2 Wind Vanes per mast?, Temperature and Humidity sensors?, Barometers?, Pyranometers?	**Wind Vane (wind direction)** • 3 wind vanes for each mast **Temperature, Humidity and Pressure Sensor** • 2 installed on each mast. **Barometers** • 1 barometer on each mast **Pyranometers** • 1 Pyranometer on each mast
16.	Kindly provide us with technical specifications of the lidar towers please. Towers free standing	Specification: Classification – **WindCube** LiDAR. The reliability of the LiDAR system is key, given the extreme conditions of the Tsau Khaeb National Park environment.
17.	Are bidders restricted to supply and delivery only or can firms bid for complete works i.e. supply, deliver, install, commission, operate and maintain over the measurement campaign?	Yes, bidders are only restricted to providing design (diagram or layout of the Met Mast and Equipment), supply and delivery quotations at this stage.
18.	**Mast anchoring systems** We supply either buried sand anchors or chemical rock anchors for masts. We do not supply any concrete slab anchors. Based on this, is there any information relating to the site conditions to allow the correct choice to be made for anchors?	Please note that the anchor system should not be included in the quotation. The anchor We are currently conducting a site selection study to determine optimal sites for the deployment of the Met Masts. **For reference**: Please note that each Met Mast that are currently deployed in the same area (Tsau Khaeb National Park) have foundations that covers approximately 1.5m² and reaches a depth of 0.6m, with variations based on geotechnical conditions and soil stability. These foundations are made from pre-cast reinforced concrete.

		Cable Anchors are used for the Met Mast deployed in this area: • Each mast has 12 buried ground anchors • Cables attached at 40m, 60m, 70m and 80m • Anchor consists of a steel plate buried at a depth 2m, connected with a steel rod and cable
19.	**Temperature and Humidity Sensors:** Distributed along the mast height to capture vertical profiles. Please advise how many? Description states "distributed along mast height". Usually two installed per mast, one at logger box height and second at top of mast.	**Anemometer (wind speed)** • 8 anemometers for each mast at various intervals, from 60m to 120m **Wind Vane (wind direction)** • 3 wind vanes for each mast **Temperature, Humidity and Pressure Sensor** • 2 installed on each mast. **Barometers** • 1 barometer on each mast **Pyranometers** • 1 Pyranometer on each mast
20.	**Installation of a microphone and cabling Please confirm what this is for?** Is it a bat detection system? If so, please provide a spec to allow correct quoting.	Correct, Bat monitoring sensors are also being installed on the masts to assist data collection for the environmental impact assessment. The consultant should specify the bat monitoring sensors covering the 120m met mast.
21.	: **High-resolution data logging and transmission for real-time monitoring**. Do we assume that we are required to quote for 10 x LIDAR systems as well, one per mast site? Please provide a spec for the LIDAR as there are many options that impact the pricing. We would want to quote apples with apples to ensure our prices are very competitive.	Kindly provide a quotation for a ***one*** LiDAR unit. Additionally, please indicate any discounts that may apply should we proceed with an order of ***two*** units as a means of secondary data collection. Data from the Lidars will be used to supplement the met mast data in mapping the wind speed and direction, turbulence, and wind shear. Unlike the met masts, the LIDAR sensor is mobile should be mobile and will move from one site to another to further reduce wind resource uncertainty. Specification: Classification – **WindCube** LiDAR. The reliability of the LiDAR system is key, given the extreme conditions of the Tsau Khaeb National Park environment.

		Power supply: Solar PV power supply and batteries. Lidars should be secured on a platform.
22.	**Integration: Interfaces with meteorological satellites or cellular networks for remote data access. GSM/GPRS modem-make sure network connectivity is sufficient (The supplier needs to confirm that there is cellular reception at locations). An extra-over should be provided for a satellite modem.** Can you confirm GSM coverage per site? Our experience shows very little GSM coverage for both the mast logger and the LIDAR. We would recommend satellite connectivity for all masts and LIDAR.	Correct, the data transfer technology expected is **Satellite** because of potential connectivity issues in the Tsau Khaeb National Park environment.
23.	Delivery address as stated in the SCC is the Namibian Green Hydrogen Programme Office in Windhoek, this is a concern on account of the nature of equipment to be delivered. Kindly provide clarity on this.	The Namibia Green Hydrogen Programme will work in close coordination with the Ministry of Industries, Mines and Energy and NamPower to provide guidance on the precise delivery and storage location for the equipment. These details will be formally communicated to the successful bidder upon conclusion of the procurement process.
24.	Delivery of equipment without installation might potentially be without any warranty relating to the installation. As the tender document does not definitively outline any installation requirements.	The tender is only restricted to providing design (diagram or layout of the Met Mast and Equipment), supply and delivery quotations at this stage.
25.	Additionally, clarity on who is eligible to bid. The invitation letter indicates that the tender is open to both local and international	The Procurement is open to both local and international bidders. Section 7, subsection 7.1 is amended as follow.

	bidders, however, section 7 of the contract, 7.1 specifically, indicates that suppliers and subcontractors shall be Namibian nationals only.	*The Supplier and its Subcontractors shall have the nationality of an eligible country. A Supplier or Subcontractor shall be deemed to have the nationality of a country if it is a citizen or constituted, incorporated, or registered, and operates in conformity with the provisions of the laws of that country.*

Kind Regards

MR. ELVIS MUKAYA
EIF PROCUREMENT COMMITTEE CHAIRPERSON

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