



***The Provision and Installation of an 18m Mast for Meteorological Sensors
at a Remote Mini-grid in Upper Blinkwater, South Africa***

Request for Quotation (RFQ) No: 5781/07/12/2021

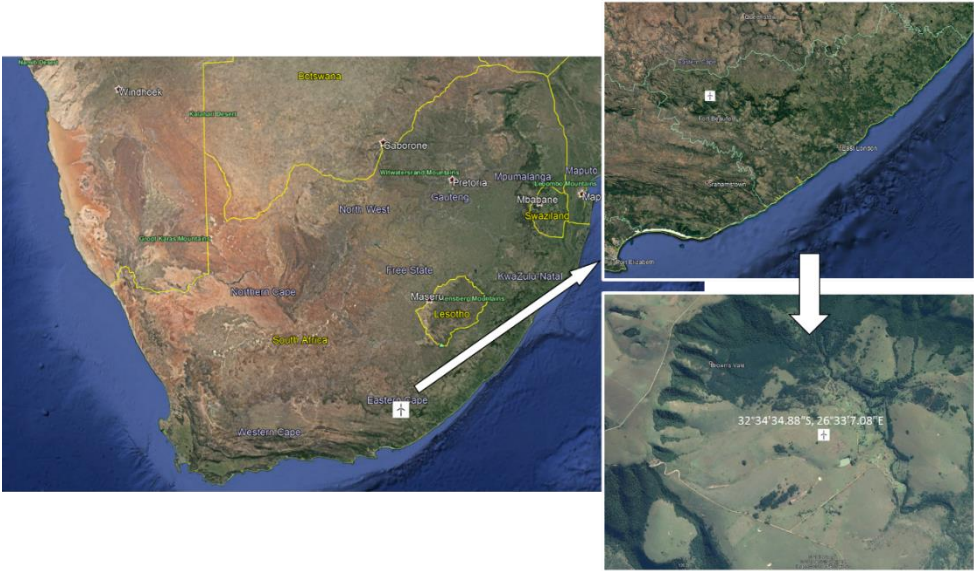
Date of issue	Tuesday, 23/11/2021
Closing Date and Time	Tuesday, 07/12/2021 at 16:30
RFQ Number	5781/07/12/2021
Contact details	For submission of quotations or any other enquiries: tender@csir.co.za

1 INVITATION FOR QUOTATION

Quotations are hereby invited to supply and install an 18-meter (m) mast ("MetMast") designed to support sensors that monitor wind resource at the same hub height of the nearby wind turbines. The MetMast is needed for long-term monitoring of wind resources at a remote mini-grid location in Upper Blinkwater, South Africa. The data acquisition system and long-term monitoring are not included in this scope of work.

2 QUOTATION REQUIREMENTS

The delivery of service will be required at the Upper Blinkwater site which is about 15 km from Balfour in the Eastern Cape Province. Figure 1 provides an indication of the location and the GPS coordinates.



Description	Latitude	Longitude
Decimal degrees	-32.57698	26.55427

Figure 1 Upper Blinkwater location and GPS coordinates

Figure 2 shows the proposed location of the six (6) new wind turbines and the existing solar PV system. The MetMast will be installed near the wind turbines, as noted by the marker.

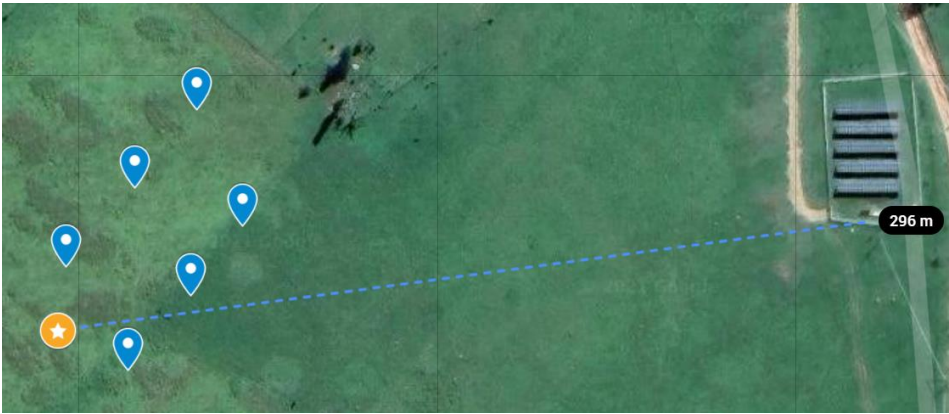
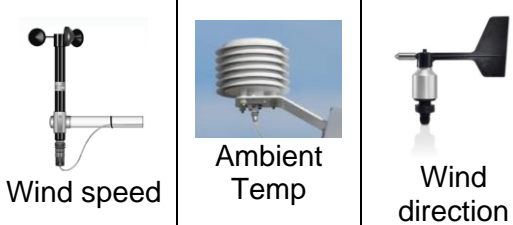
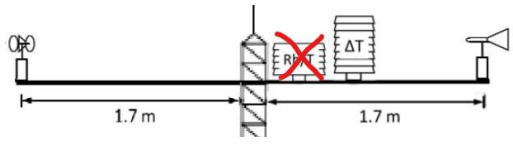


Figure 2 Proposed location for the MetMast (orange), the new wind generators (blue pins), and the existing PV array (right edge of photo).

The MetMast supplied and installed under this contract must include the following components:

Item	Description	Qty	Details
1	18 m MetMast	1	The MetMast will support three meteorological sensors. The MetMast may be climbable, tiltable, or telescoping to allow for service and replacement of the sensors without the need for additional equipment such as cranes. See below for details of the load.
2	Installation	1	The installation of the MetMast must include the necessary civils and foundation work.
3	Extender arm	1	The arm must be mounted at the top of the mast to support the sensors as shown in the figure below.

The following components will be mounted on the MetMast at 18 m. The CSIR will procure and install the sensors separately. The extender arm needed to mount these sensors must be included in this scope of work.

Descriptions	Approximate area	Approximate weight (kg)	Images
Wind speed	< 500 cm ²	< 1 kg	
Ambient temp	< 200 cm ²	< 2 kg	
Wind direction	< 500 cm ²	1.2 kg	
Extender arm	Provided by the supplier	Provided by the supplier	 <p>Three sensors to be mounted on the extender arm</p>

The installed system should meet as a minimum the following requirements:

- All dangers must be specifically highlighted with appropriate signage to prevent injury or death.
- All equipment to come with minimum one year manufacturer's warranty to be handed over to the client
- 1 year workmanship warranty

3 EVALUATION CRITERIA

The following information will be considered for evaluation:

- 3.1 Selection of suppliers will be based on the 80/20 preference point system.
- 3.2 Indicate CSD number (National Treasury Central Supplier Database) on quotation. If not registered yet on CSD, use www.csd.gov.za to register. No order will be issued or no contract will be signed without a valid CSD number.
- 3.3 Provide valid original or certified copy of the B-BBEE Certificate issued by an accredited verification agency and bearing a SANAS logo; or
 - Valid sworn affidavits made on dti designed templates; or
 - DTI issued sworn affidavit; or
 - CIPC issued B-BBEE certificate.
- 3.4 Provide a link to the company website that lists the product included in the proposal so that the evaluation team can gather more information, as needed.

4 PRICING QUOTATION

- 4.1 Price needs to be provided in South African Rand (excl. VAT) or (Inc VAT) where applicable, with details on price elements that are subject to escalation and exchange rate fluctuations clearly indicated.
- 4.2 Price should include additional cost elements such as freight, insurance until acceptance, duty where applicable, etc.
- 4.3 Payment will be according to the CSIR Payment Terms and Conditions.
- 4.4 The pricing information must include a line item for each of the following expenses to facilitate the review process. More detail may be included in the quotation at the bidder's discretion. The total fixed price including VAT should be listed on the last row.

Item	Description	Price (ZAR)
1	Price for the equipment (tower, hardware, etc.)	
2	Price for foundation work	
3	Price for transport	
4	Total price for the scope of work (excl VAT)	
5	Total price for the scope of work (incl VAT)	

5 OTHER TERMS AND CONDITIONS

- 5.1 The supplier shall under no circumstances offer, promise or make any gift, payment, loan, reward, inducement, benefit or other advantage, which may be construed as

being made to solicit any favour, to any CSIR employee or its representatives. Such an act shall constitute a material breach of the Agreement and the CSIR shall be entitled to terminate the Agreement forthwith, without prejudice to any of its rights.

5.2 A validity period of 90 days will apply to all quotations except where indicated differently on the quote.

6 No goods and/or services should be delivered to the CSIR without an official CSIR Purchase order. CSIR purchase order number must be quoted on the invoice. Invoices without CSIR purchase order numbers will be returned to supplier.

7 DECLARATION BY TENDERER

Only tenderers who completed the declaration below will be considered for evaluation.

RFQ No: 5781/07/12/2021.

I hereby undertake to render services described in the attached tendering documents to CSIR in accordance with the requirements and task directives / quotation specifications stipulated in RFQ No. **5781/07/12/2021** at the price/s quoted. My offer/s remains binding upon me and open for acceptance by the CSIR during the validity period indicated and calculated from the closing date of the quotation.

I confirm that I am satisfied with regards to the correctness and validity of my quotation; that the price(s) and rate(s) quoted cover all the services specified in the quotation documents; that the price(s) and rate(s) cover all my obligations and I accept that any mistakes regarding price(s) and rate(s) and calculations will be at my own risk.

I accept full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on me under this RFQ as the principal liable for the due fulfilment of this RFQ process.

I declare that I have no participation in any collusive practices with any tenderer or any other person regarding this or any other RFQ proposal.

I accept that the CSIR may take appropriate actions, deemed necessary, should there be a conflict of interest or if this declaration proves to be false.

I confirm that I am duly authorised to sign this proposal.

NAME (PRINT)
CAPACITY
SIGNATURE
NAME OF FIRM
DATE

WITNESSES	
1
2
DATE:	