

NIT- PR no. 1060019594

TECHNICAL BID

Line item 1 : Supply of Materials for SCADA & WIND MAST 1X18 MW Wind Mill Plant

Make of the WTGs : WINWIND Capacity : 1MW each Model /Type : WWD1

Scope of Supply:	Agreed / Not Agreed
1. SCADA For WinwinD Make 1MW Model (WP3100 Controller Supported) Cloud Server Access from anywhere to monitor Mitek -Teknik GATEWAY MISCOUT Dongal - 1 NO.	
2. Software Mitek- Teknik - 1 NO.	
3. DELL Powerededge R230 Server & Server Cabinet 1 NO.	
4. DELL 17 inch LCD monitor - 1 NO.	
5. 1KVA LUMINOUS inverter 36V 1TB ,8GB RAM- 1 NO.	
6. Exide 100AH 12 V sealed lead acid Battery- 2 NO.	
7. Admcoverter - ADAM-4541 RS232/422/485- 18 NO.	
8. Ethernet coverter -TCP/IP NP301 RS-232/485/422 - 18 NO.	
9. IKSHU (Ethernet to Optical coverter)10/100base - 18 NO.	
10. HTC -OFC -UT-5M-FRP cable - 1000 mtr.	
11. Nylon self locking Cable Ties - 12 packet.	
12. Radio antenna with low noise booster- CAMBIUM NETWORK 5 GHz force 200 ,14-30V 500 mA - 2 NO.	

Line item 2 : Installation & Commissioning of SCADA & Repair of Wind Mast of 18MW Wind Mill, Plant located at Dammur of Bagalkot Dist& Mittalkode of Koppal Dist, Karnataka.

	Agreed / Not Agreed
Scope of Work for SCADA:	
a. Installation and commissioning of WWD make 1MW WTGs SCADA Gateway & MiScout server & software, Dongle installation with connectivity to each windmill.	
b. OFC Cable laying, Splicing and joining work for 9MW at Dammur & 9MW at Mittalkod and connecting to common Hub point OMS office at Dammur.	
c. OFC Cable laying (12KM approx), termination at each Machine / WTG should be with Adam & LAN –Connector.	
d. Installation of 12 Mtr height receiving tower at Dammur site OMS office.	
e. Configuration of WTGs to Receiving tower Radios antenna with low noise booster.	
f. Clamping of fiber optical cables mounting on pole line.	
g. Installation of Software, update to the system and WTGs data.	
h. Ensure monitoring of machine status, grid, temperature, production, wind speed, machine availability, ambient temp data's and all Mita-Teknik Display data etc. through internet & SCADA connectivity to be provided to BEML.	
i. Generation performance based on wind speed and Kwh export by Graphical records to be checked.	
j. Required Modem, SIM card to be arranged by the firm.	

k. Firm shall provide all the necessary hardware and software's for Windmill only.	
Scope of Work for WIND MAST:	
a. Repair of 71 Mtr height Wind Mast with alignment.	
b. Working condition of Wind Mast to be check & ensured.	
c. Servicing of Anemometer.	
d. Servicing of Wind vane.	
e. Repair & Servicing of Data logger box & put in working condition.	
f. Required Modem, SIM card to be arranged by the firm.	
g. Receiving Wind Mastdata every day with storage card access to be check & ensured.	
h. Carrying out repair/servicing of Wind Mast guide rope & foundation re-work .	

Other Terms & Conditions:	Agreed / Not Agreed
1. Firm shall visit the wind mill site near Dammur of Bagalkot Dist & Mittalkode / Tuggaldoni of koppal Dist, Karnataka to study and assess the spare parts required & quantum of work involved before submitting the offer.	
2. Any other spares/ consumables if required at the time of repair & service shall be arranged by the firm without additional cost.	
3. All the material handling equipments, tools, transportation to wind mill site for the technician and material has to be arranged by the firm. Also, firm shall make their own arrangement for lodging & boarding of their workmen.	

4. Firm has to supply all the materials at the respective wind mill site.	
5. Firm has to carry out the Installation, Commissioning & Configuration of SCADA & repair of Wind Mast by replacing all the failed / damaged spares for 18MW Wind Mill Plant.	
6. Firm should ensure the centralised monitoring of all the WTG's at control room for effective monitoring of WTG performance round the clock.	
7. Firm has to take all necessary safety precautions for their technicians while carrying out the work at site. In case any untoward incident happens at site BEML will not be responsible.	
8. Delivery schedule : Firm has to indicate the time requirement for material supply and the time requirement for Installation & Commissioning	
9. Warranty : One year from the date of commissioning.	
10. Payment terms : <ol style="list-style-type: none"> 1. 80% of material charges + Taxes for 100% Material charges will be paid against receipt & submission of Joint Inspection report certified by BEML & Firm 2. Balance 20% material charges + 100% Installation & Commissioning charges with taxes will be paid against submission of PBG for 10% of PO value including taxes, valid for 15 months from the date of Installation & commissioning, from any scheduled commercial bank, authorised by RBI and certification from Maintenance department for successful Installation & commissioning of the SCADA system, performance prove out 	
11. Qualifying Criteria: The firm technicians should have minimum 2 years	

<p>experience in Monitoring, Operation & Maintenance of WinWind Make WTGs, SCADA system and Wind Mast and the firm should have experience in carry out such maintenance work on Winwind make WTGs. Technicians experience certificate to be attached along with bid.</p>	
<p>12 . EMD :</p> <p>Every bidder shall deposit an amount of Rs 1,14,106/- (Rs One Lakh fourteen thousand one hundred and six) as Earnest Money Deposit with the buyer through NEFT / RTGS in favour of BEML Limited. <i>(EM Division Bank A/c details and IFSC are provided at last page)</i> and the payment details / UTR number to be uploaded on SRM portal along with Technical Bid</p> <p>Micro and Small Enterprises (MSEs) as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) or registered with the Central Purchase Organization or the concerned Ministry or Department are exempted from payment of EMD. Bidder should upload valid MSME / NSIC / UdyogAadhar certificates or Certificate issued by Central Purchase Organization or the concerned Ministry or Department on SRM portal along with technical bid for EMD exemption</p> <p>Technical Bids of those firms who have not uploaded the payment details / UTR number or valid document for EMD exemption on SRM portal along with Technical Bid are liable for rejection</p>	
<p>13. Quote should be valid for minimum 90 days from the date of Bid opening.</p>	
<p>14. L-1 evaluation will be based on the NET LANDED COST (of all the items in the bid invitation for full quantity) of technically accepted bids</p> <p>Bidders have to quote for all the items in the Bid Invitation.</p>	

15. BEML reserves the right to seek any clarification / documents wrt technical Bid from the Bidders, if required.	
16. Liquidated damages clause is applicable. If the Supplier exceeds any agreed delivery date(s) or period(s), Purchaser shall levy LD for such delay @0.5% per week (7 days) and part thereof, subject to a maximum of 5% of the value of the delayed portion of the Purchase Order	
17. Risk purchase clause: In case of non-performance in the PO, BEML will take procurement action at your risks and cost apart from levying liquidated damages as deemed fit	

(Bidder Signature with Company seal)

Note to the Bidder:

1. Bidder is requested to read the “NIT” thoroughly. Copy of duly signed with company seal (on every page) of this document (NIT) has to be uploaded along with other documents on SRM portal for confirming their unconditional acceptance on scope of supply & scope of work and other terms & conditions
2. **PLEASE DO NOT INDICATE ANY PRICE DETAILS IN TECHNICAL BID**
3. Any clarification wrt to NIT may please contact following executives of BEML
 - a. Mr Yugandhar , Sr Manager Mob no. 09449562634
 - b. Mr Audiseshaiah, AGM Mob no. 09845725493
 - c. Mr Niranjana, AGM Mob no. 09481434753
 - d. Mr Doddamani, GM Mob no 09480203102

BIDDER DETAILS (to be filled and upload on SRM portal by the Bidder)

SL.NO	DESCRIPTION	DETAILS
1	SELLER NAME	
2	ADDRESS	
3	PINCODE	
4	STATE	
5	CONTACTPERSON	
6	MOB-NO	
7	E-MAILID	
BIDDER BANK DETAILS		
8	BANKNAME	
9	A/CNO	
10	IFSCCODE	
11	BANKMAILID	
12	BANKCONTACTNO	
SIGNATURE OF BIDDER WITH SEAL		

BEML BANK DETAILS

SLNO	DESCRIPTION	DETAIL
1	BANK NAME	SBI
2	BRANCH	BEML NAGAR, KGF 563115
3	ACCOUNT NO.	54029289872
4	IFSC code	SBIN0040168