



राष्ट्रीय प्रौद्योगिकी संस्थान - आंध्रप्रदेश
NATIONAL INSTITUTE OF TECHNOLOGY ANDHRA PRADESH
Near National Highway No. 16, Kadakatla, Tadepalligudem – 534101
West Godavari District, Andhra Pradesh

Ref. No.: NITAP/SD-G/08/2020/110

Date: 18.03.2022

LIMITED TENDER ENQUIRY

Sub: Supply and Installation Wind Turbine System including Controller and Battery with necessary accessories – Quotation invited –Regarding.

Please send your lowest quotation for the above work as per the details attached in **Annexure-1**. The quotation is to be sent in a sealed envelope to the following address:

**C/o Tender Box
Central Stores and Purchase Section,
Sardar Vallabhbhai Patel Administrative Building
NATIONAL INSTITUTE OF TECHNOLOGY, ANDHRA PRADESH,
Near National Highway No. 16, Kadakatla,
TADEPALLIGUDEM – 534101
West Godavari District, Andhra Pradesh.**

The quotation has to be sent by Post (Ordinary / Register / Speed Post) or drop in Tender Box physically. (Any other mode will not be accepted)

The envelope must be superscribed as “**QUOTATION**” at the center of the envelope and the above **reference number at left top** along with the name of the tender on the envelope. Quotations without the above superscription **will not be accepted.**

The last date to receive the sealed quotation is 11.04.2022.

Annexure-1

Specifications of Wind Turbine System:

Unit Name	Quantity	Nature of Supply
AWM SPIRAL 1kW WIND TURBINE (with hybrid inverter, including generator, turbine assembly, braking)	1	1 job
ON GRID + OFF GRID HYBRID CHARGE CONTROLLER (Capable of 2KW capacity with inbuilt inverter)	1	
Battery 2 No's (12V each)	2	
Tower (MS fabricated pole for mounting of AWM)	8 mtr	
User Manual	1	
Monitoring system software for data logging	1	
Wind Sensor	1	
Onsite training (maintenance and awareness)		
Transportation, loading and unloading & Erection at site		

Important characteristics of Wind Turbine:

SR. No.	Wind Turbine Specifications	Unit	1 KWAWM Turbine
1	Wind Turbine working methodology		On grid and Off grid (both modes)
2	Efficiency	%	70 (minimum)
3	Rotor Diameter	m	1.50
4	Rated Power	KW	1kw wind
5	Cut-in wind speed	m/sec	3
6	Equivalent rated wind speed	m/sec	12
7	Cut off Speed	m/sec	14
8	Cut-off Mechanism		Magnetic Brake mechanism
9	Maximum Rotating speed	rpm	330
10	Blade Material		Carbon FRP
11	Drive Train		Direct drive
12	Estimated Lifetime	Years	25
13	Warranty	Years	01 (from date of invoice)

While sending your lowest quotation – please specify the following:

1. Sales Tax : Inclusive
GST : Indicate prevailing tax on percentage basis.
2. Excise Duty :
3. Rates
a) F.O.R. Destination/
b) Estimated Packing, Forwarding and Freight Charges in case of Ex-works only, may be mentioned on percentage basis.
4. Insurance : Inclusive/ indicate on percentage basis, in case payable by the Institute.
5. Preferred terms of payment (institute rules permit to pay on Receipt of materials in good condition/completion of the work):
6. Recommended mode of transport :
7. Discount offered, if any :
8. Validity of the offer :
9. Firm schedule of completion of work :
10. Detailed drawings / catalogues / Leaflets / literature / samples may be furnished wherever feasible / required
11. Please indicate clearly whether the rates quoted herein are the same as applicable to DGS & D / Government Department / Other Public Sector Undertakings.
12. The supplier shall invariably furnish the **Certificate of Clearance of GST Registration number along with the quotations.**
13. Please mention the Quotation number and name of the item/s (in brief) on your envelope when submitting your quotation to the Institute
14. Please note that the Director reserves the right to modify or alter the specifications and also to reject any or all the Quotations without assigning any reasons thereto.
15. The suppliers / firms are informed not to call on us without prior appointment.
16. The Institute is not responsible for delays / loss in postal transit or due to any other reasons.
17. Any Violation in the terms and conditions, the bidder will be made ineligible for the contract.
18. **Presently our Institute doesn't have DSIR certificate so no concession in GST. Normal rate of GST will be applicable.**

Yours faithfully,



Head of the Department

सह अधिष्ठाता/ Associate Dean
केन्द्रीय भण्डार & खरीद भाग
Central Stores & Purchases Section
राष्ट्रीय प्रौद्योगिकी संस्थान
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