



नीचे NIWE
(ISO 9001 Certified)

राष्ट्रीय पवन ऊर्जा संस्थान
(नवीन और नवीकरणीय ऊर्जा मंत्रालय के अधीन स्वायत्त अनुसंधान एवं विकास संस्था, भारत सरकार)

NATIONAL INSTITUTE OF WIND ENERGY

(An Autonomous R&D Institution under Ministry of New and Renewable Energy, Government of India)

वेलचेरी ताम्बरम प्रमुख मार्ग, पल्लिकरणई, चेन्नै - 600 100, तमिल नाडु, भारत

Velachery – Tambaram High Road, Pallikaranai, Chennai - 600 100, Tamil Nadu, INDIA

NIT No. NIWE/PUR/3/393/20

Date: 15.09.2020

E- Tender for “**Supply and Delivery of Solar Panel (50 Watts) and Charge Controller**”
DUE AT **03.30 P.M. ON 06.10.2020** OPENING AT **03.30 P.M. ON 07.10.2020**

Dear Sirs,

National Institute of Wind Energy (NIWE) invite bids from Manufacturers/Suppliers for the following item through e-tender.

S.NO	DESCRIPTION OF ITEM	QUANTITY
1.	Solar Panel (50 Watts) (Specification attached – Annexure II)	30 Nos.
2	Charge Controller (Specification attached – Annexure II)	40 Nos.

Your bid should clearly indicate:

1. Price of each item
2. Model of the item shall be as mentioned above in the description.
3. Percentage of GST(CGST/SGST/IGST) rate applicable
4. Delivery: (i) Free at NIWE on DDP basis ii) Delivery Period required
5. Installation, if any: Free at NIWE
6. Period of warranty –Minimum 36 Months compulsory
7. Special discount, if any, for R&D institution for their research purpose / educational purpose.
8. Validity of quotation: Validity should be a minimum period of 90 days from the date of opening of Tender/quotation.
9. Scanned copy of the following need to be enclosed along with bid:-
 - Technical Details / Brochures
 - Price bid (Unpriced part)
 - RTGS Particulars & GST Registration Certificate
 - PAN Copy of the Organization / Company
 - OEM Authorization Certificate / Letter
 - Duly filled Annexure I – Unpriced bid
 - Duly filled Annexure II (a) and (b) –Technical Compliance Sheet
 - Duly filled Annexure III - Bidder details

Yours faithfully,

Administrative Officer (S&P)

GENERAL TERMS AND CONDITIONS

1. The rates against each item as per serial number of the enquiry shall be quoted for the free delivery at the National Institute of Wind Energy (formerly “C-WET), Velachery Tambaram Main Road, Pallikaranai, Chennai-600 100. Installation charges shall be shown separately, if to be paid extra.
2. NIWE is a R & D institution under the Ministry of New and Renewable Energy, Government of India, running with the motive of not making profit. The special prices/concessions may be quoted as applicable to Govt. R&D Institutions.
3. Installation and Commissioning of the equipment is also in the scope of bidder.
4. The Procurement is of specific brand in nature and hence the quoted product must match with the model provided in the bidding documents.
5. Goods conforming to BIS Standards or International standards or with traceability certificates (extra cost involved may be shown separately) have an edge over other offers.
6. In case of equipment, complete technical specifications, pamphlets, brochures, descriptive literature, list of customers and the value of orders executed during the last 3 years, a set of recommended spares for maintenance of the equipment for the 3-5 years, pre-installation requirements life expectancy of the system estimated comprehensive Annual Maintenance Charges after, the warranty period etc., are to be enclosed.
7. Restrictions vide Department of Expenditure, MOF, Govt. of India OM No.6/18/2019-PPD dated 23.07.2020 and its subsequent Order dated 23.07.2020 is applicable to this tender.
8. Conditions of prior turnover & prior experience with respect to Startups and Micro & Small Enterprises (MSME) are relaxed subject to meeting quality & technical specifications.
9. In pursuance of Rule 153(iii) of GFR-2017, preference to “Make in India” shall be given in procurement.
10. The prices shall be firm for the next 60 days.
11. Percentage of GST (CGST/SGST/IGST) rate applicable shall be given separately for each item mentioned in the proposal. Concessional rate of GST as applicable at 5% shall be considered for Research & Development Institutions as per notification No. 45/2017 dated 14.11.2017.
12. NIWE being a R & D institution, is eligible for concessional Customs Duty for which necessary documents/certificate shall be provided up on request in the case of import of equipment/item. Hence bidder shall bear in mind of the concessional CD applicable while quoting.
13. Details of applications required to be made or clearances to be obtained by NIWE are to be furnished in the quotation.
14. Obtaining quotations from suppliers does not bind NIWE to place orders and any terms and conditions stipulated in the quotations. Similarly, NIWE is not binding to place orders on the lowest.
15. Payment: Payment shall be done through RTGS/Online mode only. The Account Number and other details shall be furnished by the Supplier.
16. The Director General reserves the right to accept or reject any /all the quotations in part or full without assigning any reasons what so ever.
17. The prospective Bidders should register themselves in the CPP (Central Public Procurement) Portal and submit the Bids electronically through the CPP portal (<http://eprocure.gov.in/eprocure/app>.) The paper based physical Tender submission is not permitted. Any Physical tender submitted so shall summarily be rejected.
18. Bidders are requested to frequently visit CPP-Portal for any Corrigendum upload. If any Corrigendum so issued with reference to this e-tender is not complied by the bidder, NIWE shall not be responsible for any such non-compliance.
19. **FOR ANY QUERIES CONTACT/MAIL: 044 22463982/83/84 E-mail: purchase.niwe@nic.in**
20. **ANY OTHER:**



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Annexure - I

Price Bid (Unpriced bid)

S. No	Particulars	Qty.	Rate Per Qty. Rs.	Total Amount without tax Rs.	GST % (CGST/SGST)	Tax Amount	Total Amount With tax (Rs.)
1.	Solar Panel (50 Watts)	30					
2.	Charge Controller	40					
2.	Net Amount =						
3.	Delivery Place	NIWE, Chennai					
4.	Delivery period from the date of issue of PO	To be mentioned by the bidder					
5.	Payment Term	100% after successful Delivery					
6.	Warranty Period	36 months (three years)					
7.	Validity period	90 days					

COMPANY NAME, SEAL :

SIGNATURE :



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Annexure – II (a)

SOLAR PANEL (50 WATTS) SPECIFICATIONS

MAKE :

MODEL:

Sl. No.	Features	Specification	Yes / No	Deviation
1	Type	High efficiency Mono/Poly Crystalline Silicon Solar Cells		
2	Power Requirement	Nominal Voltage of 12V/50 Wp		
3	Origin	Manufactured in India		
4	Efficiency	$\geq 13\%$		
5	Fill factor	$\geq 70\%$		
6	Warranty	$\geq 90\%$ of design nominal power after 12 years $\geq 80\%$ of design nominal power after 25 years		
7	Module frame	Anodized Aluminum frame with predrilled mounting holes Non-corrosive and electrolytically compatible with the mounting structure material.		
8	Termination box	Thermo-plastic, IP65, UV resistant		
9	Blocking diodes	Schottky type		
10	RF Identification tag for each solar module	Yes. Must be able to with stand environmental conditions and last the life of the solar module and shall be kept inside the module.		
11	RF Identification tag data	a) Name of the manufacturer of PV module b) Name of the manufacturer of Solar cells c) Month and year of the manufacture (separately for solar cells and module) d) Country of Origin (separately for Solar cells and module) e) I-V curve for the module f) W_m , I_m , V_m and FF for the module g) Unique Serial No and Model No of the module h) Date and year of obtaining IECFV module qualification certificate i) Name of the test lab issuing IEC certificate j) Other relevant information on traceability of Solar cells and module as per ISO9000 standard		



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Sl. No.	Features	Specification	Yes / No	Deviation
12	Power output rating	To be given for standard test conditions (STC). I_V curve of the sample modules should be submitted.		
13	Compliance with standards and codes	IEC61215/IS 14286 IEC61730 Part 1 and 2 IEC61646		
14	Salt Mist corrosion testing	As per IEC61701		



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Annexure – II (b)

SOLAR CHARGE CONTROLLER SPECIFICATIONS

MAKE :

MODEL:

Sl. No.	Features	Specification	Yes / No	Deviation
1	Type	10 A Series		
2	Nominal Voltage	12v		
3	Max Module Current	5 A		
4	Own Consumption	4 mA		
5	Operating Temperature	-40 to +50 degree Celsius		
6	Type of protection	IP 22		
7	Others	1. Electronically regulated charging mode: boost and float charge.		
		2. Deep Charge Protection		
		3. PWM Series regulation (PV panel is not short circuited)		
		4. Integrated temperature compensation		
		5. Fully electronically protected against: Panel Surge Voltage		
		6. Wrong Polarity (Panel or battery) Over load and short circuit at load		
		7. Three LED Indications: Charge status, SOC, LVD, Over Load/ Short circuit		
		8. Common positive allows grounding		
8		IEC 60068 (1,2, 14,30)		

Annexure-III

Bidder details

(TO BE FILLED IN CAPITAL LETTERS)

1.NAME OF THE BIDDER	
2.ADDRESS	
3.PIN CODE	
BANK PARTICULARS	
A)BANK NAME	
B) BANK TELEPHONE NO. (WITH STD CODE)	
C) BRANCH ADDRESS	
D) BANK FAX NO (WITH STD CODE)	
E) BRANCH CODE	
F) BANK ACCOUNT NUMBER	
G) IFSC CODE OF THE BANK BRANCH	
H) BANK ACCOUNT TYPE (TICK ONE)	
5. PERMANENT ACCOUNT NUMBER (PAN)	
6. Valid E-MAIL Address for correspondence	
7. Valid Contact Number (Mobile)	

DATE:

(AUTHORISED SIGNATORY)
Name:

OFFICIAL STAMP