



॥ अंतरी पेटवू ज्ञानज्योत ॥
कवयित्री बहिणाबाई चौधरी उत्तर महाराष्ट्र विद्यापीठ, जळगाव
Kavayitri Bahinabai Chaudhari North Maharashtra
University, Jalgaon

Cillage based Area Development Programme (CADP)

Tel. No. (0257) 2257162

**TENDER DOCUMENTS FOR SUPPLY OF
2KVA MOBILE SOLAR OFF GRID SYSTEM (Multiutility Vehicle)**

REF :- KBCNMU/CADP/09/2019, Dtd.31.10.2019

FOR MORE DETAILS VISIT THE PORTAL OF

www.nmu.ac.in

(Total Pages 01 to 07)

Last Date for Submission of Tender : 08/11/2019

PART – I
(DETAILS OF THE TENDERER)

- 1) Name of the Supplier/Firm/Company :
- 2) Mailing address :
- 3) Telephone/Email/ Fax Numbers :
- 4) Constitution of the Company/Proprietary:
Partnership Firm/Pvt./Public Ltd. Co. :
- 5) Experience in business :
- 6) * Income tax return for last three :
Financial years
(2016-17,2017-18,2018-19)
- 7) * Shop Act. Registration No. :
- 8) * GST Registration No. :
- 9) * PAN No. :
- 10) * Statement of Accounts (i.e. Trading, Profit and loss-:
Account and Balance Sheet) from last three
financial years- (2016-17,2017-18,2018-19)
- 11) Details of Earnest Money & :
Cost of **Tender**
(D.D.No. & Date)
- 12) * Name of the company of which :
you are authorized dealer etc.
(attested copy of certificate of authorized
dealership must be enclosed)

(For the items marked (*) relevant documents must be enclosed with part - I.)

Signature & Seal of the Tenderer



॥ अंतरी पेटवू ज्ञानज्योत ॥

कवयित्री बहिणाबाई चौधरी उत्तर महाराष्ट्र विद्यापीठ, जळगाव
Kavayitri Bahinabai Chaudhari North Maharashtra
University, Jalgaon

Part-II

Technical, General and Commercial Conditions of the tender:

- 1) The tender for SUPPLY OF 2KVA MOBILE SOLAR OFF GRID SYSTEM (MULTIUTILITY VEHICLE) from manufacturer authorised distributor and dealers.
- 2) **EARNEST MONEY DEPOSIT** :- Vendors are required to submit a Demand Draft of Nationalized Bank of Rs. 5000/- (Rupees- Five Thousand Only) as Earnest Money Deposit along with the tender. The Demand Draft must be drawn in favour of **Finance and Accounts officer, K.B.C.N.M.U.,Jalgaon**'. In addition to Earnest Money Deposit Vendor is required to give a demand draft of Rs. 1000/- (Rupees One Thousand only) towards the cost including GST of tender (non-refundable) along with the tender. Offers made without E.M.D. & Cost of Tender will be rejected. If the tenderer, whose tender is accepted, refuses to accept the order, the amount of E.M.D. will be forfeited.
- 3) Payment : 100% payment after satisfactory supply and Installation within 15 days from the date of receipt of report.
- 4) **Delivery, Installation Period**:- Two weeks from the date of receipt of purchase order.
- 5) **Terms of Delivery** : F.O.R. K.B.C.N.M.U., Jalgaon.
- 6) **Security Deposit** : The successful tenderer will have to give security deposit to the extent of 5% of total order value. The amount of security deposit with out any interest thereon will be returned to the tender after satisfactory completion of order. The amount of Security deposit will be forfeited in case of successful bidder refuses/fail to execute the order within stipulated period.
- 7) **Performance Bank Gurantee**:- The successful bidder will have to submit the PBG amount equivalent to 5% of total value of invoice for the period of 60 days beyond warranty period. The same must be submitted along with the invoice.
- 8) Rates mentioned in commercial bid must be inclusive of GST.
- 9) Tender offer must be valid for a period of 120 days after the date of opening of tender. Any offer failing short of the validity period is liable for rejection.
- 10) All disputes are subject to Jalgaon Jurisdiction.

- 11) Tender is being called in two envelopes system. i.e. the technical bid and commercial bid. The technical bid comprises part-I details of the tenderer, Part-II Technical bid and Part III general and commercial conditions of the tender The Commercial bids comprises Part IV. The tenderer has to submit both the bids in separate envelopes.
- 12) The Tenderer must submit his offer in two separate envelopes A-B envelope-A will contain part I, II, III and Envelope –B will contain part IV both the envelopes must be super cried as “ **TENDER FOR SUPPLY, INSTALLATION AND COMMISSIONING OF 2KVA MOBILE SOLAR OFF GRID SYSTEM (MULTIUTILITY VEHICLE).**”
- 13) The University reserves the right to accept or reject any or all the tenders from any or all the parties without assigning reason thereof.
- 14) Tender offer should be complete in all respect and as per the format as prescribed by the university. Incomplete offers would not be entertained.
- 15) Copies of shop Act Registration,GST & PAN CArd Registration etc. should be enclosed along with part-I
- 16) The University reserves the right to delete/ increase/ decrease items from the schedule of requirement specified in the tender.
- 17) The University reserves the right to accept or reject all or any tender without assigning any reason whatsoever.
- 18) Tender received after due date and time will not be considered whatever may be the reason therefore. In case tender are sent by post / speed post courier etc.It shall be responsibility of the tenderer to ensure that they are received before due date and closing office hours.
- 19) The rates without any corrections or overwriting should be quoted for each individual item separately. Any overwriting or rewriting should be duly countersigned.
- 20) The decision of the University regarding this will be final and shall be binding on tenderer. The University reserve the right to accept or reject the entire tender.
- 21) The Venders black listed by the University are not eligible for submitting the tender. If they do so there tender will not be considered.
- 22) The last date for submission of tender shall be **08/11/2019** upto 15.00 hrs.

Place :- Jalgaon.
Date :- 31/10/2019

(S. R. Gohil)
Offg. Finance & Accounts Officer



॥ अंतरी पेटवू ज्ञानज्योत ॥
कवयित्री बहिणाबाई चौधरी उत्तर महाराष्ट्र विद्यापीठ, जळगाव
**Kavayitri Bahinabai Chaudhari North Maharashtra
University, Jalgaon**

**Technical Bid
Tender Part-III**

Technical Specifications for the 2KVA MOBILE SOLAR OFF GRID SYSTEM

1) Solar OFF Grid Inverter:

Sr No	Parameters	Specifications
1.	System Capacity	02 kW/ 48 Volts
2.	Maximum Output at Inverter Mode	230 Volts (1-PH)
3.	Battery Voltage	48 Volts DC
4.	Efficiency (At full load)	<85%
5.	Efficiency (At half load)	<85%
6.	Wave form in Inverter Mode	Pure Sine Wave
7.	Output Frequency in Inverter Mode	50.0 Hz \pm 0.05 Hz
8.	THD (At Resistive Load)	<5%
9.	Protections	Battery Low, Short CKT, Overload

2) Solar PV Panels:

Component	Type/ Model No.	Specification	Quantity	Make
PV Modules 2kW	Solar PV Panels	Pm-335Wp	06 Nos.	Any MNRE Approved. Meets IEC 61215, IEC 61730 and IEC 61701 Standards (TUV Intercert Germany). Meets World Standards
		Vmp-38.59V		
		Voc-45.43V		
		Imp-8.44V		
		Isc-9.00A		
		Size-1962X992X40 (in mm)		

3) Panel Structure:

Component	Specification	Quantity
Mounting Structure (With Manual Tracker)	MS Structure, GI Coated	01 Set

4) Battery Bank:

Component	Type/ Model No.	Specification	Quantity
Battery Bank	Lead Acid Tubular Battery Size-510X285X320 (mm)	12V/200Ah	04 Nos.

5) Solar MPPT:

Sr. No.	Specification
1.	2KW/48V, MPPT Solar Charge Control
2.	MPPT Efficiency >99%, Peak Efficiency >98%
3.	DSP Processors architecture ensures high speed and performance
4.	Protection: PV array short circuit, battery reverse polarity, over charging, output short circuit

6) Energy Meter:

Component	Type/ Model No.	Specification	Quantity
Energy Meter	AC	5/30A	01 No.

7) Lightning Arrester and Earthing:

Component	Specification	Quantity
Lightning Arrestors	Copper arrester	01 Set
Earthing	Chemical maintenance free Earthing as per IS standard	01 Set

8) Distribution Board & SPD:

Component
ACDB, DCDB & SPD

Technical Specifications for the 1 HP Solar Water Pumps System

1) Pump Controller:

HP Rating	1 HP
Maximum Panel Voltage	200 V
Output	110 V
Display Information	<ul style="list-style-type: none">• Total KWH• Panel Volt• Panel Current• Power• Frequency• AC Voltage
Remote Monitoring System	Remote Monitoring system through GSM is available in our Pump Controllers
Protections	<ul style="list-style-type: none">• Dry run protection• reverse polarity protection• open circuit and short circuit protection• higher temperature protection• over voltage and under voltage protection• overload protection

2) Pump:

Rating
Solar Pump : 1 HP

3) Tank & Pipe:

Rating
Water Tank (500 L) & Pipe Set (Heavy duty half inch with necessary accessories - 200 ft)

Signature & seal of the tenderer.

PART – IV (Commercial Bid)
2 KVA MOBILE SOLAR OFF GRID SYSTEM
(MULTIUTILITY VEHICLE)

Date : / /2019

To,
The Finance & Accounts Officer,
P.O. Box No. 80,
Umavinagar,
K.B.C., N.M.U.Jalgaon.

Sub : Submission of Commercial Offer

Dear Sir,

In response to your advertisement in _____ newspaper
dtd : _____, we hereby submit our best possible rates for items mentioned in
technical bid (Part-III) of this tender form.

Sr. No	Item Description	Qty. (Approx.)	Rate (Inclusive of GST)
01	2KVA Mobile Solar Off Grid System (Multiutility Vehicle) Items : 1) Solar Off Grid Inverter: 02 kW/48 V 2) Solar PV Panels: Pm-330 WP (MNRE Approved) 3) Panel Structure: For multiutility vehicle 4) Battery Bank: 12 V/ 200Ah (04) 5) Solar MPPT: 02 kW/48 V, MPPT Solar Charge Control 6) Energy Meter: 5/30 A 7) Lightning Arrester and Earthing 8) Distribution Board and SPD: ACDB, DCDB and SPD		
2	1 HP Solar Water Pump System: 1 HP 1) Pump Controller: 1 HP 2) Pump: Solar Pump 1 HP 3) Vertical Tank: 500 L		

Signature & seal of the tenderer.