

**College Of Agricultural Engineering And Technology
Marathwada Agricultural University
Parbhani 431 402(Maharashtra)**

No. CAE/EOES/ /

DATE: /07/10

TENDER NOTICE

Sealed tenders are invited by the undersigned for the purchase of renewable energy equipments (Solar submersible pump, solar-wind hybrid system for power generation, biomass gasifier, biogas plants etc.) in Deptt. of Electrical and Other Energy Sources, CAET, MAU, Parbhani . Approximate cost of purchase is Rs. 6.5 lakhs. The details of the specifications of the equipments etc will be provided with the tender form . The Blank Tender form will be supplied on all working days from 03/08/2010 in the office of, Deptt. of Electrical and Other Energy Sources, College of Agricultural Engineering & Technology., MAU, Parbhani against DD/Banker's Cheque in favor of Comptroller, MAU, Parbhani @ Rs.250 /-(Rs.two hundred fifty only) per form. The Earnest Money Deposit (EMD) prescribed for the above mentioned tender is @ 1 % of the value of the equipments quoted by the tenderer. The Tender should reach in this office on or before Dated 16/08/2010 up to 5.30 hrs. The undersigned reserve right to reject any or all tenders without assigning any reasons .

Place: Parbhani

Date:

**Associate Dean & Principal
College of Agril. Engg. & Technology
MAU, Parbhani.**

Tender Form Quoted Rates

Sr. No.	Name of Equipment and specification	Rates in Rs.	
		Figure	Words
1.	<p>Solar Operated Submersible Pump Submersible solar pump (1200W) Max. Vertical lift – 240 m Max. Flow rate – 3600 lit./ hr. Nominal Voltage Solar Operation – 72 - 96 V DC. SPV module (600Wp to1200Wp)/ stand/ single axis tracking system complete assembly with commissioning.</p>		
2.	<p>Solar Wind Hybrid System Capacity – 600 W System out put :- DC and AC current simultaneously and wide voltage range Automatic system operation 74 Wp SPV module: 11W x 5 CFL luminaries , Deep cycle tubular Lead Acid Battery(12V, 40Ah), with dusk to dawn control. Complete assembly along with installation and demonstration</p>		
3.	<p>Solar Water Heater (ETC Tube Type) Capacity – 125 lit/day Material of Tube – Borosilicate with magnetron sputtering, Aluminium- witrated aluminium coating with gas absorbent and Absorbent film Storage Tank – SS-304, 0.8 mm thick, along with stand and complete assembly installation and demonstration.</p>		
4.	<p>Deenbandhu Type Biogas Plant Capacity- 2cum, Vertical model Complete assembly along with construction and demonstration</p>		
5.	<p>KVIC- Type Biogas Plant Capacity- 2cum, Vertical model Complete along with construction and demonstration</p>		
6.	<p>Batteries Battery- 12 V/75 Ah, Tubular plate, low maintenance Lead Acid. 12 V/120 Ah, Tubular plate, Low maintenance Lead Acid. SMF 12 V/100 Ah, Tubular plate with buy back batteries.</p>		

7.	<p>Biomass Gasifier for Electricity generation</p> <p>Type – Down draft type along with cooling and cleaning arrangement.</p> <p>Fuel Type- Wood/woody waste/ biomass brequetts.</p> <p>Suitable engine duly modified to operate in 100% producer gas mode to give gross output of about 3.75 kW with basic characteristics and Auxillaries, Engine start up through Battery.</p> <p>Can operate three phase load like water pump or any lighting load suitable to load carrying capacity.</p> <p>Along with cooling pond for circulation of water.</p> <p>Provision of wood dryer at exhaust.</p> <p>Complete assembly along with installation and demonstration.</p>		
8.	<p>Scheffler type Solar Cooker (Community)</p> <p>Reflector dish type, Cooking for about 35-40 persons. Temp. to be attained 450⁰C, needs indoor cooking, with automatic tracking arrangement and seasonal adjustments. Reflector frame with high quality glass mirrors, stand, rotating support and tracking device with complete construction of, installation and commissioning and demonstration.</p>		
9.	<p>Solar Hand Pump System</p> <p>Solar submersible pump 600W, SPV modules 400 W, Hand pump assembly, SPV stand, pipes and fittings suitable up to 60m, wires and other accessories complete assembly with commissioning and demonstration</p>		
10.	<p>Biodiesel processor :</p> <p>Capacity : 25 litre per batch along with</p> <p>Storage tank,</p> <p>Slurry pump,</p> <p>Transestrification vessel with Agitator & Shaft vertical motor, air heaters , Electronic sensor with digital temp. controller</p> <p>Sodium methoxide mixing pot,</p>		

	<p>Settling arrangement</p> <p>Bubble wash arrangement with Water pump Other components like Ball valves Pipe line, Air Compressor, Water storage tank Biodiesel Storage tank, Frame work and cabinet Work for pilot plant complete assembly with commissioning and demonstration</p>		
11.	<p>LED based Solar street light Battery- 12 V/75 Ah, Tubular plate, low maintenance Lead Acid. SPV module- 60 Wp one panel Outdoor, weatherproof lamp with 12 W luminary and high frequency inverter Along with street light pole GI, suitable to sustain the load of assembly. Solar panel support frame: powder coated MS frame with adjustable tilt angle and adjustable direction. Charge controller:5 A shunt interrupting with indication of charging ON and Low battery. Protection: Battery overcharging, overload protection. Inverter output : sine wave, input- 12V DC,</p> <p>Operation : Automatic from dusk to dawn (10-12 Hrs.) Complete assembly with commissioning and demonstration</p>		
12.	<p>Solar inverter SPV module : 800 Wp Charge controller with indication of charging ON and Low battery. Inverter output : sine wave, input- 12V DC, 800W Battery Bank Tubular plate, low maintenance Lead Acid.(6V 300 Ah) Protection: Battery overcharging, overload protection. Complete assembly with commissioning and demonstration</p>		
13.	<p>Solar Photo Voltaic Panel 74 Wp, Monocrystalline, with Aluminium frame Anodised and screw less and approved by Solar Energy Center, MNES, New Delhi</p>		

**MARATHWADA AGRICULTURAL UNIVERSITY
PARBHANI 431 402(Maharashtra)**

No. CAE/EOES/ /

Date: / /2010

Tender form no.	
DD/Banker's cheque No. & Date	
Cash receipt no. and date	
Amount (Rs.)	Rs. 250/-
Last date of Accepting Tender Form	16 / 08 / 2010 Up to 17.30 hrs

To,

Sub: Blank Tender Form

Ref: Your letter No.

Date: / / 2010

Sir,

This office is in receipt of Rs.250/- by Demand Draft/ Banker's Cheque towards the blank tender form for the equipments/instruments required for the Deptt. of Electrical and Other Energy Sources, CAET, MAU, Parbhani. I am enclosing the set of tender form as desired by you .

The Earnest Money Deposit (EMD) prescribed for the above mentioned quotations is @ 1% i.e. Rs. 6500/- of the value of items/ equipment /instrument quoted by the tenderer.

You are requested to go through the terms and conditions of the Tender before filling the tender forms. The following points may be noted while submitting the tender forms.

The EMD as prescribed above should be in the shape of DD/Banker's Cheque drawn in favor of Comptroller, MAU, Parbhani and should be enclosed with the tender forms.

The Tender form should be submitted in two separate envelopes(A) and (B) and both the envelopes should be super-scribed as "Envelope-A" and "Envelope-B".

Envelope-A

Envelope -A containing

- a. EMD for Rs.6500/- in the shape of DD/Banker's Cheques drawn in favor of Comptroller,MAU,Parbhani as prescribed.
- b. EMD exemption will be given if the valid certificate is enclosed.
- c. Copy of valid Sales Tax clearance Certificate.
- d. Copy of Income Tax clearance Certificate
- e. Copy of Firm Registration certificate
- f. Copy of Partnership deed, if any , along with the general power of attorney.

Envelope-B

Envelope B containing

- a. Rate of the equipments/ instruments/ items quoted on the Tender form
- b. Undertaking in the prescribed form for supply of equipments/ instruments/ items.

Both the envelopes should be sealed in a large envelope addressed to the Associate Dean and Principal, College of Agricultural Engineering and Technology, Marathwada Agricultural University, Parbhani and submitted in the office of the College of Agricultural Engineering., MAU, Parbhani on or before / /2010 up to 17.30hrs.

Encl:-

- 1) Terms and conditions
- 2) Tender form

**Associate Dean and Principal,
College of Agricultural Engineering and Technology
Marathwada Agricultural University, Parbhani**

TERMS AND CONDITIONS

1. The tender should be accompanied with the EMD at the rate of 1% for the value of the item quoted by the tenderer. The EMD will have to be deposited in the form of DD/C.D.R./Banker's cheque drawn in favor of Comptroller, MAU, Parbhani.
If the EMD is not enclosed, the tender will be rejected. The successful tenderer will have to deposit 2% amount of security deposit and will be returned after six months from the date of demonstration.
2. All the articles will have to be supplied FOR destination.
3. The equipments should be of the approved quality as per the specifications given by this office in the tender form. The articles which do not conform to approved specifications and consequently rejected will have to be replaced at the cost of the firm or supplier.
In the absence of satisfactory supply, the articles will be rejected and corresponding cost will be deducted from the suppliers bill.
4. The details with all specifications of equipments should be accompanied with tender.
5. It is within the discretion of the Chairman Purchasing Committee to increase or decrease the quantity of purchase and/ or to relax the condition in exceptional circumstances.
6. The article should be supplied within a period of 60 days time limit from the date of issue of the orders for supply. In case of failure the Chairman shall have the right to purchase the article from the open market and make good loss from the firm or supplier from his EMD or to impose a penalty @ Rs 50/- per item per day for the period of delay in supply. The decision of the Chairman, purchase committee, MAU, Parbhani in the matter will be final.
7. It is open to accept even higher rates or to reject or to recall the tender without assigning any reason. Discretionary power of University authority to reject/accept tender without scrutiny any prior reason.
8. The rates of each item be stated separately. The rates should be quoted in the space provided in the tender form only. Each paper should be signed by the Tenderer.
9. The rates should be quoted as per tender specifications only, rates without the specifications will not be considered.
10. The tender should indicate the rate in metric system of weights and measures there of showing conversion rate, it should be allotted in the unit shown in the tender form only.

- 11 The purchasing officer will not pay Octroi taxes or demurrage of the Municipal Council . The supplier will be responsible for this payment.
- 12 The supplier should note that the rates should be inclusive of Sales Tax , Central Sales Tax, Excise duty, Octroi, packaging ,loading and unloading, forwarding transportation, insurance, installation, demonstration, etc. In this context the rate will be presumed to include all these charges.
- 13 Installation and demonstration of equipments with satisfactory performance should be given before the payment is made to the supplier. Payment will be made after satisfactory report is received from the concerned Indentor /Scientist/ Officer Incharge.
- 14 The tender cover must bear the work “Tender for supply of Renewable energy devices” and should be addressed to Associate Dean and Principal, College of Agril. Engg. & Technology, Marathwada Agricultural University, Parbhani.
- 15 The goods should be dispatched at suppliers risk, however, the supplier will be responsible until the entire items are supplied in good condition at the destination.
- 16 The material/ Equipment should have to guarantee of one year from the date of supply. The rejected/ damage material should be replaced at the cost of supplier within guarantee period and the down time will be 14 days only.
- 17 The tenderer must be registered under CST and MST etc. attested copy of such certificate must be enclose in Envelop ‘A’ of the tender.
- 18 The rate should be valid up to one year from the date of opening tenders.
- 19 If the firm is under partnership, in that case attested copies of partnership deed certificate and power of attorney should be attached in the envelop A.
- 20 The EMD will be returned to the party six month after successful demonstration against security.
- 21 The party should be give assurance of maintenance support for further period of five year after guarantee period .In such case University will enter into AMC contract.
- 22 Failure to observe any of the conditions mentioned above will result in the cancellation of tender.