

**Marathwada Krishi Vidyapeeth,
Parbhani -431 402 (Maharashtra State) India**

SHORT TENDER NOTICE

Marathwada Krishi Vidyapeeth, Parbhani intends to purchase various Equipments, Furniture, Minitractor along with trolley under Technology Mission on Citrus for Marathwada. The details of items to be purchased along with specifications, terms and conditions of purchase are available in the Tender form. The Blank Tender form will be available from **16/02/2012** in the office of the Co-ordinator, TMC and Director, Extension Education, MKV, Parbhani (Shetkari Bhavan) during office hours by paying Rs. 1500.00 in the form of D.D. (only nationalized bank) drawn in favour of Comptroller, MKV, Parbhani. Tender forms are also available on University website and additional Rs. 500/- will be charged for downloaded application form from University website <http://mkv2.mah.nic.in>. The last date of submission of filled tender form is **24/02/2012** upto **15.00** hrs. The tenders will be opened on **24/02/2012** at **16.00** hrs. **In prevailing circumstances if the tender is not opened on above mentioned date, the next date will be communicated accordingly.**

The equipment to be purchased are Cryogenic container, Gel Electrophoresis unit with gel documentation system, Micro-Centrifuge, Water purification system, Microscope with digital camera, Office furniture, Mini Tractor along with trolley.

Place : Parbhani

Date : 14/02/2012

**Co-ordinator (TMC) &
Director, Extension Education
MKV, Parbhani**

TECHNOLOGY MISSION ON CITRUS FOR
MARATHWADA
MARATHWADA AGRICULTURAL UNIVERSITY
PARBHANI- 431 402 (MS)



TENDER FORM

Supply of Equipments/Instruments/Furniture/
Mini Tractor along with Trolley.

Date of sale of Tender : 16/02/2012 to 24/02/2012
up to 15.00 hrs.

Last Date of submission : 24/02/2012 up to 15.00 hrs.

Date of opening : 24/02/2012 at 16.00 hrs.

Corresponding Officer:

**Co-ordinator TMC & Director of Extension Education,
Marathwada Krishi Vidyapeeth, Parbhani.
Ph. 02452 228601/220685 Fax No. 02452 228601**

MARATHWADA KRISHI VIDYAPEETH
PARBHANI-43402 (M.S.)

TMC/DEE/ /2012

Dt. /02/2012

Tender form No.	
FDR/CDR/TDR	
Amount	Rs. 1500/-

To,
M/s.
.....
.....

Sub: Blank Tender Form

Ref: Your letter No.

Dt.

Sir,

This office is in receipt of Rs. 1500/- by Demand Draft/Banker's cheque towards the blank tender form for the laboratory equipments/instruments/furniture/minitractor along with trolley required for Technology Mission on Citrus for Marathwada, MKV, Parbhani. I am enclosing herewith the set of tender form as desired by you.

The earnest money deposit prescribed for the above mentioned quotation is @ 1% of the value of the equipments/instruments/furniture/minitractor along with trolley quoted by the tenderer.

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

The EMD as prescribed above should be submitted in the shape of Demand Draft of Nationalized Bank only drawn in favour of **Comptroller, MKV, Parbhani** and should be enclosed with the tender form.

The tender form should be submitted in the two **envelopes A and B** both the envelopes should be super scribed as Envelop A and B.

Envelop A

- EMD for Rs. in shape of Demand Draft of Nationalized Bank only drawn in favour of **Comptroller, MKV, Parbhani a prescribed.**
- EMD exemption will be given if the valid certificate is enclosed.
- Copy of valid VAT/certificate.
- Copy of firm registration certificate
- Copy of Partnership deed if any along with the general power of attorney.

Envelop B

Envelop B containing

- Rate of the equipments/instruments/furniture and mini tractor along with trolley quoted on the tender form.
- Undertaking in the prescribed form for supply of equipments/instruments/furniture and mini tractor along with trolley.

Both the envelopes are to be enclosed in a large envelope addressed to the Co-ordinator TMC & Director, Extension Education, Marathwada Krishi Vidyapeeth, Parbhani and submitted on or before 24/02/2012 up to 15.00 hrs.

**Co-ordinator TMC, DEE &
Chairman purchase committee
MKV, Parbhani.**

Place :

Date :

**To,
Co-ordinator TMC, DEE &
Chairman purchase committee
MKV, Parbhani.**

Sub: Tender for supply of equipments/instruments/furniture/minitractor along with trolley.

Sir,

I am submitting herewith Tender Form duly filled-in for the supply of equipments/instruments/ furniture/minitractor along with trolley to be purchased for the scheme Technology Mission on Citrus for Marathwada, under DEE, MKV, Parbhani. I am enclosing herewith the following documents with the Tender form.

ENVELOP 'A' CONTAINING :

- ▶ EMD for Rs. _____ in the shape of DD/Banker's Cheque drawn in favour of the Comptroller, MKV, Parbhani (EMD exemption will be allowed if the valid certificate is enclosed).
- ▶ Copy of valid VAT Certificate.
- ▶ Copy of Firm Registration Certificate
- ▶ Copy of valid income Tax Certificate
- ▶ Copy of Partnership Deed, if any, along with the general Power of Attorney
- ▶ Copy of authority dealership certificate
- ▶ Copy of Valid Sale Tax Registration No.
- ▶ Copy of CST/BST Registration No.

ENVELOP 'B' CONTAINING :

- ▶ Tender Form with quoted rates
- ▶ Undertaking

I have gone through the terms and conditions for the supply of equipments / instruments / furniture / minitractor along with trolley and I fully agree with the Terms and Conditions enclosed with the Tender Form.

Yours Faithfully,

**Contact No.
Mobile -**

**Name and Signature of the
Manufacturer/Dealer/Supplier
With Rubber Stamp**

**Co-ordinator TMC &
DEE, MKV, Parbhani.**

TERMS AND CONDITIONS

1. The tender should be accompanied with the EMD at the rate of 1% for the value of the item(s) quoted by the tenderer. The EMD will have to be deposited in the form of Demand Draft of Nationalized Bank only drawn in favour of Comptroller, MKV, Parbhani. If the EMD is not enclosed, the tender will be rejected. The Earnest Money Deposited by a firm or a person whose tender is accepted will be returned after six months of successful demonstration of equipments/instruments/furniture and mini tractor along with trolley.
2. All the items will have to be supplied at FOR Parbhani/constituent institute under Marathwada jurisdiction.
3. The equipments/instruments/furniture/mini tractor and implements should be of the approved quality ISI mark or as per the sample called for in a specific case or the specifications given by this office in the tender. The item which do not confirm to approved specification(s) and consequently rejected will have to be replaced at the cost of the firm or supplier. In the absence or unsatisfactory supply, the items will be rejected and corresponding cost will be deducted from the suppliers bill.
4. The details with all specifications make of equipments/instruments/furniture and mini tractor along with trolley and also authorized dealer certificate from company should be accompanied with tender.
5. It is within the discretions of the **Chairman, Purchasing Committee** to increase or decrease the quantity of purchase and/or to relax the conditions in exceptional circumstances.
6. The items should be supplied within a period of 90 days time limit form the date of issue of the order for supply. In case of failure the Chairman shall have the right to purchase the article from the open market and to make good loss from the firm or supplier form his EMD or to impose a penalty @ Rs. 50/- per item per day for the period for delay in supply. The decision of the Chairman, Purchasing committee, MKV, 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 reasons thereof is reserved. Discretionary power of University authority to reject/accept tender without scrutiny and any prior reason is with Chairman, Purchasing Committee, MKV, Parbhani.
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 rates in metric system of weights and measures thereof 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 Corporation. The supplier will be responsible for this payment.
12. The Supplier should note that the rates quoted should be in Indian currency inclusive of all admissible taxes.

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 intender/Scientists/Officer in charge.
14. The tender cover must bear the statement as “Tender for supply of equipments/instruments/furniture and mini tractor along with trolley (TMC)” and should be addressed to the Co-ordinator (TMC) and Director, Extension Education, Marathwada Krishi Vidyapeeth, Parbhani (MS)
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 should have to guarantee/warranty of one year from the date of installation/demonstration. The material should be replaced within 15 days at the cost of supplier, if necessary.
17. The tenderer must be registered under CST and MST etc. Attested copy of such certificate must be enclosed in Envelop ‘A’ of the tender.
18. The prescribed tender forms will be available in office of the Co-ordinator TMC and Director, Extension Education, Marathwada Krishi Vidyapeeth, Parbhani MS (Shetkari Bhavan) and can be purchased on payment of Rs. 1500/- in the form of DD/Banker’s cheque (Nationalized bank only) payable in the name of Comptroller, MKV, Parbhani from 16/02/2012 and on the website of university by paying additional Rs. 500/- website of the University is <http://mkv2.mah.nic.in>
19. The rate should be valid up to one year from the date of opening the tenders.
20. 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**.
21. Failure to observe any of the conditions mentioned above will result in the cancellation of the tender.
22. The security deposit @ 4% be deposited in the form of Demand Draft of Nationalized Bank only in favour of Comptroller, MKV, Parbhani, a firm whose tender is accepted. The said amount will be returned after 6 months of successful demonstration with EMD.
23. The supplier should give assurance of maintenance support for further period of five years after guarantee period. In such case University will enter into AMC contract, if required.
24. For imported equipments, the original proforma invoice from principal manufacturer should be sent within a period of fortnight. Moreover, the suppliers / tender should complete the clearance of the imported equipments.
- 25. The orders will be issued after release of grants from Mission Leader TMC, & Director, National Research Centre for Citrus, Nagpur.**

UNDERTAKING

I/We agree and accept the terms and conditions of the tender No. _____ dated _____ and also it is binding on me/our part to fulfill the supply of the equipments / instruments / furniture / minitractor along with trolley. I will give the delivery of the material at the sites suggested in the work order. Also the installation and trail or demonstration will be carried on under the suggestions of the concerned officer/scientist and as required.

I also agree to provide support for Maintenance/service after the period of guarantee/warranty.

Signature with seal.

Name of the firm with full address :

Reg. No. :

Income Tax No. (PAN) :

VAT No. :

CST/BST Reg. No. :

Service Tax No. :

Sale Tax Reg. No. :

Place :

Date:

Signature with seal

Sr.No.	Item name /Specification	Cost per unit	
		In figure	In words
1	<p>Cryogenic Container to store liquid nitrogen Cryogenic container 1. 2 lit, 5 lit, 10 lit capacity. 2. Lap 20.5 static hold of 211 days, static evaporation rate 0.1 L/day, Diameter 38 cm, height 69.5 Heac diameter 5.1cm, canisters having diameter 3.8 cm capacity. 3.Unique container designed to achieve long term storage and to provide easy sample retrieval constructed from durable, Light weight aluminium with vaccum insulation. 4. Cost effective unit lockable lid and low level alam enhance specimen.</p>		
2	<p>Gel Electrophoresis unit with gel documentation system: Completely integrated with a built-in variable power supply and provides a compact easy-to-use horizontal electrophoresis system for the separation of nucleic acids.</p> <ol style="list-style-type: none"> High through put 96 well format with multichannel pipette compatible combs for the direct loading of samples in a small foot print. The system comes complete with four 14/28 well combs, three gel trays and as external costing stand. System with buit-in direct connect power supply provides an LED display for easy viewing of the voltage, amperage and time. The power supply is adjustable from 10 to 150 volts. Or 10 to 400 ma for maximum control of the separation parameters. Also featured is a 59.59 minute timer with an audible end of run alert. The horizontal tank is made of rugged polycarbonate and has a vented lid to reduce condensation so the run can be ly monitored. <p>Feature should be:</p> <ul style="list-style-type: none"> • Compact and easy to use • Build in variable power supply-10 to 400 MA or 10 to 150 volts. • LED Display. • Built in timer with audible alert. 		
3	<p>Microcentrifuge Minispin with PCR strip rotor:- Rotor: In refined black aluminium 45 angle 12 places for 1.5/2.0 ml tubes with max 11mm complete with stainless steel lid. PCR SMP rotor (2 x 5 tube PCR Strips)</p> <p>Microcentrifuge Tube : original Eppendorf tubes 2.0 ml- set of 6 1.5 ml – set of 6</p>		

	<p>Adaptors: For 0.5 ml tubes and 0.6 microcantaainer set of 6 For 0.4 ml tubes set of 6 For 0.2 ml PCR tubes set of 6</p> <ol style="list-style-type: none"> 1. Maximum rcf 14,100 x 9 2. Maximum speed 14,500 rpm 3. Speed set and displayed in rpm and rcf 4. Rotor capacity 12 x 1.5 ml /2.0ml (adapter for smaller tubes) 5. Acceleration time to maxspeed 13 s 6. Braloring time from max speed 12 s 7. Timer 15 s to 99 min With continuous function 8. Dimensions (W x D x H) 22.6 x 23.9 x 11.9 cm 9. Net weight. Inclt rotor 4.3 kg 10. Power supply 230 vI 50 -60 H2 11. Power requirement 85 w 12. Automatic lid opening after the end of the run 13. Rotor should be autoclavable at 121 c for 20 min. 		
4	<p>Water Purification System :-</p> <ol style="list-style-type: none"> 1. Applications are DNA sequence, RNase- and DNase – free, DNA- free, PCR, IVF, 2-D- electrophoresis, critical cell & tissue culture, pyrogen sensitive applications. HPLC,IC,GC,GC/MS, TOC Analysis ICP/MS 2. A single system should be capable of producing ASTM type I & type II water, from potable soften feed water. 3. A external pre-treatment should be offered as a part of the system for 10”,5 micron particulate filter cartridge and 10” active carbon cartridges. 4. System should accept feed water pressure from 0 to 5 bar, without the need of additional booster pump installation. 5. Should have 2-in-1 pre-treatment cartridge for treatment of feed water with active carbon and 1 micron particulate matter. 		

6. System should have Reverse Osmosis technology to produce pure water with recovery rates of minimum of 30% at the flow rate of 20 ltr/hr.
7. System should be equipped with conductivity measurement after RO and a permeate diverter valve in case purity exceeds the set limits.
8. System should be equipped with virgin mixed bed de-ionization cartridge followed by conductivity measurement.
9. A 60 ltr PE tank with total draining facility should be a part of system. The tank should be equipped with level sensing from 0 – 100% in steps of 1%. It should be also equipped with :- A tap in the middle so the 50% of the water is reserved to be utilized for preparing ultra pure water. – A Vent filter with CO2 trap. –UV submersible lamp.
10. System should be equipped with polishing treatment for pre-purified water, to produce Ultra pure water of type I, polishing should include dual wavelength UV oxidation chamber, polishing cartridge with nuclear grade resins and high quality carbon exchanger ultra filtration module having cut off at 5000 daltons followed by conductivity measurement and final point of use filter of 0.1 micron, 100 sq.cm within the circulation loop.
11. System should be equipped with sturdy, flexible arm PVDF dispenser for Ultra pure water.
12. System should be equipped with centralized microprocessor controller which controls all the operations of system. It should also have RS-485 interface.
13. System should be equipped with backlit graphical LCD display, which should indicate purity of water after every stage of purification (minimum 3-stages) and tank level simultaneously. It should also notify user for any malfunction of the system with warning of change of cartridges if any.

Product water specification in tank:

Flow: 20 Ltr/hr. Typical conductivity : 0.060 to 0.2 μ S/cm

Product water specifications for Ultra pure water:

Flow : upto 1.8 ltr/min

Conductivity : 0.055 μ S/cm

Resistivity : 18.2 M-cm/

Bacteria: < 1 cfu/ml

TOC : < 1 ppb.

Particle > 0.1 micron: < 1 per ml.

Endotoxins: < 0.001 EU/ml

5	<p>Trinocular Microscope with Digital Microscope camera and projection facility with software.</p> <p>1) Chromatic objectives 4 x, 10x, 40x, 100x antifungus treated made form high quality optical glass</p> <p><u>Microscope:</u> Optical System:UIS2 Illumination system : Built –in-transmitted Koehler illuminator 6v30w halogen bulb Focusing: full stroke range 25mm stroke per rotation 36.8 mm Resolving nosepiece: Fixed quadruple nosepiece with inward tilt. Stage: size is 188 (w) x 134 (D) mm, movement range is 76 mm x direction x 50 mm Y-direction, specimen holder is double side. Condenser : Abbe type with aperture iris diaphragm N.A.: 1.25 Objective Lens: Plan Achromatic objective. 4xN.A : 0.10 WD : 18.5 mm 10xN.A : 0.25 WD : 10.6 mm 40xN.A : 0.65 WD : 0.6 mm 100xN.A : 1.25 WD : 0.13 mm</p> <p>Eypiec: 10x</p> <p><u>Digital Microscope Camera with Laptop</u> Sensor: 3.15 megapixel color cmos 112”\n Active Area : 6.55 x 4.92 mm Sensur resolution : 2048 x 1536 pixel Pixel size : 3.2 û 3.2 ûm Pixel clock : 36 MH₂ Digital interface: IEEE 13949 Firewire IR-cut of filter : fixed in C-mount Image resolution : 2048 x 1536 Max Exposure : 35</p> <p><u>Magnus pro software</u> (for measurement) 1) Full scale high quality imaging 7.5 megapixel 4/3-inch live mos sensor. 2) convenient full time live view function A 2.5 inch high resolution LCD monitor simplifies training focusing during continuous viewing of live images. 3) High-precision 10x focusing under macro observations sharp images can be easily obtained by drossing the 10x ullsor window over the, target area. 10x focusing allows for high precision focusing while viewing images under macro observations. 4) Live view on a monitor.</p>		
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	<p>The microscope can be easily operated while viewing live images on a full size monitor using the monitor cable.</p> <p>5) Long term imaging by remote control.</p> <p>6) Image analyzer software for image analysis and measurement</p>		
6	<p>Mini Tractor along with trolley- mini tractor 24 to 30 hp with insurance & RTO charges : Required for orchards with ISI standard (Provide all technical details for which rates are quoted.) Trolley – 2 to 4 MT, two wheeler with insurance & RTO charges suitable for mini tractor 24 to 30 hp,</p>		
7	<p>Office Table : with round tubular frame, 3 drawer unit & one locker with a foot rest. Size L-137 x D-76 cm</p>		
8	<p>Executive Chair: Executive high back chair with central tilt mechanics, tilt locking, moulded foam seat & back, pneumatic height adjustment upholstered in high quality tapestry, swivel mechanism and twin wheel castors. Size- H-103-115.5 x W-75 x D- 75 cm Seat height 44-56.5 cm</p>		
9	<p>Cupboard : Manufactured from CRCA of ‘D’ Grade Steel IS 513. 8 tank anti rust treatment, Adjustable shelves, steel parts finished in high quality powder coating. 3 way locking system with six lever unpickable lock with S.S. keys in duplicate. Plastic shoes should be provided Size- H-78” x W-36” x D-19”</p>		

Signature of the Tenderer with seal

