

MARATHWADA KRISHI VIDYAPEETH, PARBHANI
COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY

No: CAET/RKVY/ /2012

Date:

Tender Form No.	
Cash Receipt No.	
Date	
Amount (Rs.)	

To

Subject: Blank Tender Form

Ref. : Your Letter No.:

Date: / / 2012

Sir

This office is in receipt of **Rs. 3000/-** through cash towards the cost of Blank Tender form for the **Workshop Machinery** at College of Agricultural Engineering & Technology, M.K.V. Parbhani. I am enclosing here with the set of tender form as desired by you. The Earnest Money deposit (EMD) prescribed for the above mentioned tender is 1% You are requested to go through the terms and conditions of the tender before filling the tender form. Following points may be noted while submitting the tender forms.

The prescribed amount of EMD should be in the form of demand draft drawn in favour of Comptroller, M.K.V. Parbhani and should be enclosed with the tender form. The tender forms should be submitted in two separate envelopes 'A' & 'B' as given below. Both Envelop should be subscribed as Envelope "A" and Envelop "B"

Envelope "A" should contain:

- a. EMD of Rs. 1% in the form of National Bank. Demand Draft drawn in favour of the Comptroller, M.K.V. Parbhani is prescribed.
- b. Copy of the Authorized dealer it any.
- c. Copy of partnership deed, if any along with power of attorney.

Envelope "B" should contain:

1. Rates of the Workshop Machinery quoted in the Tender form.
2. Undertaking in the prescribed form for fulfilling.

Both the envelopes should be sealed in a big envelope addressed to the Associate Dean & Principal, College of Agricultural Engineering & Technology, Marathwada Krishi Vidyapeeth, Parbhani on or before 05 -03 - 2012 in office hours. The tender will be opened on 05-03-2012 at 16-00 hours at Associate Dean & Principal, College of Agricultural Engineering & Technology, Marathwada Krishi Vidyapeeth , Parbhani.

Associate Dean & Principal,
College of Agricultural Engineering & Technology,
Marathwada Krishi Vidyapeeth, Parbhani.

Place:

Date:

To,

The Associate Dean & Principal,
College of Agricultural Engineering & Technology,
Marathwada Krishi Vidyapeeth, Parbhani- 431 402

Subject: Tender for **Workshop Machinery** to be purchased for college of
Agricultural Engineering and Technology, M.K.V. Parbhani.

Sir

I am submitted herewith the tender form duly filled in the Workshop Machinery for College of Agricultural Engineering & Technology, M.K.V. Parbhani. I am also enclosing herewith the following document with tender form.

1. Envelope "A" Containing:
 - a. EMD of Rs. 1% in the form of National Bank. Demand Draft drawn in favour of the Comptroller, M.K.V. Parbhani is prescribed. (D.D. No: _____
Date: _____ Bank: _____)
 - b. Copy of the Authorized dealer.
 - c. Copy of partnership deed, if any along with power of attorney.
2. Envelope "B" should containing:
 - a. Rates of the Workshop Machinery quoted in the Tender form.
 - b. Undertaking in the prescribed form.

I have gone through the terms and conditions for Workshop Machinery for College of Agricultural Engineering and Technology, M.K.V. Parbhani. I fully agree with the terms and conditions enclosed with the tender form

Yours Faithfully

Name and Signature of the Dealer/Supplier

**TERMS AND CONDITIONS FOR THE TESTING EQUIPMENT AT COLLEGE OF
AGRICULTURAL ENGINEERING AND TECHNOLOGY & TECHNOLOGY, M.K.V.
PARBHANI**

- 1.The tender should be accompanied with the EMD of Rs. 1% in the form of Demand Draft form any National Bank drawn in favour of Comptroller, M.K.V. Parbhani. If D.D. towards the EMD is not enclosed, the tender will be rejected. The EMD of the supplier whose Contract/tender is accepted will be retained, and in other cases, it would be returned after decision is taken on the said tenders within a month from the date of finalized of tender.
- 2.Rate should with stand at list 6 months from the date of issue of order and should be maintained up to one year.
- 3.It is open to accept even higher rates or to rejects or recall tender without assigning any reason. Discretionary power vests with the university authority to reject /accept tender without scrutiny or prior reason.
- 4.Rate should be quoted inclusive of all costs (including transport) towards equipments Each page should be signed by the Tenderer.
- 5.Tender Cover must bear Tender for Workshop Machinery College of Agricultural Engineering and Technology. M.K.V. Parbhani.
- 6.Payment of bill will be made after testing by Associate Dean & Principal, College of Agricultural Engineering & Technology, Marathwada Krishi Vidyapeeth, Parbhani.
- 7.Income tax, Sales tax, VAT etc. will be deducted from bills as per Government rules.
- 8.All the articles will have been supplied FOR PARBHANI.
- 9.Advance payment will not be made either in full or part.
- 10.Demonstration of equipment with satisfactory performance should be given before the payment is made to the supplier.
- 11.The quantity may vary as per requirement.
- 12.Failure to observe any of the Conditions mentioned above will result in cancellation of tender.
- 13.The tender in whose case the tender is accepted will have to execute agreement bond and deposit initial security deposit (3%) of the total cost of execute finalized in the form of Demand Draft in the name of Comptroller M.K.V., Parbhani. The amount of security deposit will be refunded only after satisfactory completion of the contract.
- 14.In case of any legal disputes, the matter must be decided in the judiciary jurisdiction of District court, Parbhani. or Mumbai High court of judicature, bench at Aurangabad.
- 15.The supplier shall be responsible for and pay the expenses of providing medical aid to any workman who may suffer bodily injury as result of an accident at the time of testing if such expenses are incurred by university the same be recoverable from the supplier for with and be deducted without prejudice to any other remedy of Government from any amount due or that may be come due to supplier.

Associate Dean & Principal,
College of Agricultural Engineering & Technology,
Marathwada Krishi Vidyapeeth, Parbhani.

UNDERTAKING

I/We agree and accept the terms and conditions of the Tender no. _____ /2012
and also it is binding on me/our part to fulfil the supply of **Workshop Machinery** as per list
College of Agricultural Engineering & Technology, Marathwada Krishi Vidyapeeth,
Parbhani.

Signature with Seal

Name of the Dealer/Supplier
With full Address

Place: _____

Date: _____

Sr. No.	Description	Unit Rate
1.	<p>PRITAM or equivalent Turret Lathe Machine manual hand feed to Turret, Standard Accessories : - Electricals, 2 HP Motor (3 phase) belts, R/F Switch, Collet attachment with one Collet, One Spanner Set, One Allen Key Set, Oil Can etc. Specification :- Capacity Round Collet 25 MM, Bed length 1050 mm, Centre Height 165 mm, spindle Bore 28mm. Accessories at extra Cost : Tools Cost</p> <ul style="list-style-type: none"> • Knee Tool Holder • Boring Tool Holder • Centering & Facing Plunge type • Drill chuck with Sleeve • Multi tool Hoder • Parallel Shank Drill Sleeve MT-1 /MT-2 (Each Price) 	
2.	<p>JEET or equivalent Shaping Machine V Belt cone Pulley drive, Ram fitted with quick action Rocker arm mechanism, Square Box table either Fixed / Swivel type Complete wit 1 hp Motor (3 phase) belts, push Button Starter, Machine Vice with handle, manual hand lubricator with pipe line connections. Capacity Maximum Stroke 18” Tool Holder with tool</p>	
3.	<p>Salson or equivalent Horizontal Universal Milling Machine, Auto feed to table longitudinal traverse only, Cross & Vertical traverse are manual, Complete with 2 HP Motor (3 phase) belts, Push button Starter, Arbour with Spacers, & standard accessories. Table Surface Size 48” x 10” Accessories at extra cost :-</p> <ul style="list-style-type: none"> • Vertical Milling Attachment • Dividing Head Centre 137 mm • 3 jaw True chuck with flange fitted. • Milling machine vice size 125 mm with swivel base • Rotary Milling table • (Tools for Gear Cutting Operation) Involute Gear cutter • (Tools for Vertical Operation) Collet Adopter with Collet Size 3/8” • (Tools for ” ” ” ” ” ”) End Mill Cutter Size 3/8” 	
4.	<p>Master Arc or equivalent Welding Transformer Air Cooled, Regulator type, to work on 2 line of 3 phase supply, m/c mounted on Rubber Wheels, Capacity 400 amps, Rating 21 KVA Set of welding Accessories</p>	
5.	<p>Master Arc or equivalent Spot welding machine foot pedal operated with manual thyristor Capacity 15 KVA</p>	
6.	<p>Hydraulic Power Press 4 Pillar type, Steel fabricated body, Hand / Motorized type, with V block, pressure Gauge & Hose Pipe, Capacity 50 Tons (A) Price for hand operated m/c (B) ” ” ” ” Motorized m/c</p>	
7.	<p>Pillar Type Drill Machine Capacity 25 mm (1”) Complete with 1 hp Moor (3Phase) belt, R/F switch, ½” drill chuck with MT-3 arbour, machine table handle & standard accessories.</p>	
8.	<p>Double ended Bench Grinder Cap. 1HP – 2800 RPM, 10” Wheel (3ph) complete with on-off switch, Wheel guard, standard tool rest etc.</p>	

Sr.No.	Description	Unit Rate
10	<p>Ultra Compact Optical Emission Spectrometer</p> <p>Technical Data for Patented Optical System</p> <ul style="list-style-type: none"> • Un-coated CCD detector with lowest dark • Current • Flat field grating • Full spectrum coverage : 170- 685 nm • Resolution: 30 pm • Argon purged for best transparency • Clear Spectrum (R) technology for advanced • Spectra deconvolution • Active Ambient Compensation (AAC) for • Operation between 10 and 45⁰C (50 and 113⁰F) <p>Analytical Solution packages (ASP)</p> <ul style="list-style-type: none"> • Different matrix calibration packages available • ASPs cover all major elements & alloy groups • Upgradable for future expansion <p>Source Generator</p> <ul style="list-style-type: none"> • Maintenance-free, two phase PWM Generator • Frequency 50 to 1000hz • Spark & arc-like discharges from 10µs to 2 ms <p>Software</p> <ul style="list-style-type: none"> • Intuitive Windows (R) based software for simple • Routine operation • Various user levels for secure and task-specific • Operations • Functions for qualitative and quantitative • Analysis • Complete Q Matrix Software Suite including • Analysis database & interfaces to Office • Software • Grade Library functions <p>Electrical Data</p> <ul style="list-style-type: none"> • 100 to 240 V (50/60 Hz) • 200 W during measurement, 50 W standby • 16 A (240V) slow blow fuse or 25 A (100V) • Slow blow fuse <p>Spark Stand</p> <ul style="list-style-type: none"> • Maintenance free • Argon Consumption 2.5 l/min during measurement • Argon quality 4.8 (or better) 	

Q2 AI- Base Calibration Ranges

Elements	AI Global		AI-Si		AI-Cu		AI-Zn	
	AI100		AI120		AI130		AI150	
	Min %	Max%	Min %	Max%	Min %	Max%	Min %	Max%
Si	0.005	22.00	5.00	22.00	0.005	1.30	0.005	0.45
Fe	0.02	2.20	0.03	1.50	0.02	0.65	0.02	0.65
Cu	0.005	21.00	0.005	4.40	1.00	21.00	0.005	2.80
Mn	0.005	12.00	0.005	0.55	0.005	1.10	0.005	0.55
Mg	0.005	10.00	0.005	1.50	0.005	1.50	0.30	5.00
Cr	0.005	0.35	0.005	0.15	0.005	0.14	0.005	0.40
Ni	0.005	4.00	0.005	4.50	0.005	0.20	0.005	0.005
Zn	0.005	11.00	0.005	0.33	0.005	0.45	1.00	11.00
Ti	0.002	0.45	0.005	0.25	0.005	0.28	0.002	0.22
Pb	0.05	1.00	0.05	0.60	0.005	0.06	0.005	0.05
Sn	0.01	0.32	0.01	0.33	0.005	0.06		
V	0.005	0.11	0.005	0.06	0.005	0.11		
Zr	0.005	0.24	0.005	0.11	0.005	0.24		
Sr	0.01	0.15	0.003	0.15				
AI	Reference		Reference		Reference		Reference	

Setup Standards (optional):

RA10, RA18, RA19

PROPOSED ANALYTICAL PROGRAM FOR Fe BASE.

Elements	Fe- Global		Low Alloy Steel		Cast Iron		Cr Cr/ Ni Steel	
	Fe100		Fe110		Fe120		Fe130	
	Min %	Max%	Min %	Max%	Min %	Max%	Min %	Max%
C	0.005	4.40	0.005	1.50	1.70	4.50	0.005	1.70
Si	0.01	6.00	0.01	1.50	0.10	5.00	0.005	4.00
Mn	0.005	19.00	0.003	2.50	0.005	1.50	0.005	19.00
P	0.100	1.20	0.003	0.08	0.003	1.20	0.003	0.07
S			0.003	0.10	0.003	0.10	0.003	0.10
Cr	0.01	28.00	0.003	5.50	0.01	1.40	7.00	27.00
Mo	0.01	11.00	0.01	1.50	0.01	1.50	0.01	3.00
Ni	0.005	50.00	0.01	6.50	0.01	1.80	0.01	22.00
Cu	0.005	8.00	0.005	0.80	0.005	1.50	0.003	8.00
AI	0.005	1.20	0.003	1.20	0.003	0.09	0.003	0.05
Mg	0.005	0.12			0.005	0.12		
Co	0.005	10.00	0.005	0.35	0.005	0.12	0.005	0.60
Nb	0.005	3.00	0.005	0.35	0.005	0.07	0.005	3.00
Ti	0.003	2.50	0.003	0.35	0.003	0.35	0.003	0.45
V	0.01	10.00	0.005	0.90	0.005	0.55	0.005	0.90
W	0.10	19.00	0.03	3.30	0.05	1.50		
Fe	Reference		Reference		Reference		Reference	