

Quotation Notice

No. 02/2014

Sealed Quotations are invited by the Principal, College of Agricultural Engineering and Technology, NAU., Dediapada for the Purchase of Workshop Machinery, Carpentry Tools and Renewable Energy Equipment etc. from the manufacturing company/companies, Dealers/Suppliers of these items. The detail specifications, Terms and conditions of supply are attached, Write in Bold letter "Quotation for Workshop Machinery/Carpentry Tools/Renewable Energy..... " on the top of cover and send the quotation at the following address by Registered Post/Courier/Post/

The last date for submission of filled Quotation is 08/10/2014 up to 5:00 p.m. in the office of Principal, College of Agricultural Engineering and Technology, NAU., Parsi Tekra, Dediapada, 393 040 Di. Narmada

Dediapada
D. 17/09/2014

Principal
College Of Agril. Engg. & Tech.
NAU., Dediapada



College of Agricultural Engineering and Technology,
NAVSARI AGRICULTURAL UNIVERSITY
Dediapada

Workshop Machinery

Sr. No.	Items	Specifications	Qty	Brand name of manufacture	Amount/ pcs ₹	Discount Offer	Time Limit of Supply items	Any other terms and condition
1	Pipe Bending Machine	<ul style="list-style-type: none"> •Mild Steel Capacity (inches): 2-3/8 x .062 •Nominal PIPE Capacity: 1-1/2 inch schedule 40 •Square Mild Steel Capacity (inches): 1-1/2 x .120 •Solid Bar Mild Steel Capacity (inches): 1-1/4 •C Channel Mild Steel Capacity (inches): 2 x 1 •Minimum OD (inches): 3/4 •Max Bending Speed: 12 feet per minute •Driven Rolls: 1 •Bending Style: roll bending •Size: 30mm shafts •Max Degree of Bend: 360 •Control Method: foot pedal controls •Repeatability Control: manual scale •Bending Roll Adjustment: manual •Maximum OD (inches): 2-3/8 •Weight (pounds): 543 •Dimensions (LxWxH): 36 x 29 x 42 •Motor Performance :- 1.1 Kw 3 Phase (380 V) 	1					
2	Wood Turning Lathe	Distance between centres 325 mm Turning Capacity 200 mm Motor 0.25 hp No. of speeds Variable 890-3190 rpm Tailstock Taper 1MT Thread size 3/4" UNF, 16TPI Dims (LWH) 732 x 222 x 300 mm	1					
3	Air Blower	<u>Technical Specification</u> -Air Volume 2.7m ³ /min. <u>Electrical</u> - Power input 600 W, Speed 0-16000 rpm, 220v/50Hz, Variable speed: Yes	4					
4	Hot Air Gun	<u>Technical Specification</u> -Temperature Range 100 ⁰ -600 ⁰ , Air Flow rate 350-700 L/min. <u>Electrical</u> -Power input 2000 W, Volt 230 V	5					

5	Shaping machine	SHAPING MACHINE 24" SPECIFICATION TABLE			1						
		CAPACITY		Inches							mm
		Length of Ram Stroke		24							610
		Length of Ram		50							1270
		Length of Width of Ram Bearing		33 x 11 ½							838 x 292
		Max & Minimum distance from table to Ram		18 x 3							457 x 89
		TABLE									
		Working surface of table		24 x 14							610 x 356
		Max Table Travel Horizontal		24							610
		Max Table Travel Vertical Angular Movement of Table on either sides		15							381
		TOOL HEAD									
		Max. Vertical Travel of Tool Slide		6							152
		Tool Head		60° L 60° R							
		LENGTH OF MAIN SLIDE BASE									36"
		Length of Width of base		64 x 23							1600 x 585
		SPEED & FEEDS									
		Cone Pulley Belt		4							
		Dia of Clutch Pulley		12"							
		Range of Ram speeds		4							
		Stroke per minute		12, 24, 48, 72							
		Dia of Motor Pulley		2 ¾							70
		Range of Table Feed per stroke of Ram		0.009							0.229
		Range of Tool Head feed		Hand Feed							
		DRIVE & ELECTRICAL EQUIPMENTS									
		Electric Motor 3 H.P. C, P.B. and 5 H.P.A.G		2 H.P. CPB 3H.P. AG							
		Drive Motor		1440 RPM							
		Main Switch Starter (Push Button Type)		5AMP							
		SPECIFICATION OF VICE OVERALL DIMENSIONS & WEIGHT									12"
		Length		78							1981
		Width		43							1092
Height		63	1600								

Note: Specifications of all the machines and equipments are approximate small variations may be allowed.

Renewable Energy Laboratory Instruments

Sr. No.	Items	Specifications	Qty	Brand name of manufacture	Amount/ pcs ₹	Discount Offer	Time Limit of Supply items	Any other terms and condition
1	Solar Photovoltaic Training And Research System	<p>1) PV Module</p> <ul style="list-style-type: none"> a) Power rating-37 Wp b) Maximum Power Voltage-17 V c) Maximum Power current-2.25 A d) Open circuit Voltage-21.8 V e) Short circuit current-2.4 A f) Module Efficiency-10% g) Module Dimention-552*666*34 mm <p>2) Charge Controller</p> <ul style="list-style-type: none"> a) Nominal Voltage-12 V b) Nominal Battery Charge current-5 A c) Max PV Voltage-30 V d) Min PV Voltage-17 V e) Maximum Battery charge current-5 A <p>3) Battery</p> <ul style="list-style-type: none"> a) Battery Voltage 12-V b) Capacity-4.5 Ah c) Battery Type- SMF lead Acid type d) Number of Batteries-2 <p>4) Inverter 100 W</p> <ul style="list-style-type: none"> a) Maximum continuous AC output-100 W b) Maximum AC output surge power-200 W c) DC input voltage range-10-15 V d) Battery drain with no ac load-0.20 A e) AC output voltage-230 V AC RMS \pm 5% f) AC output frequency- 50 \pm 3 Hz 	1					

2	Solar Thermal Training System	<p>1) Flat plate collector a) Area- 0.716 m² b) Number of riser Pipes - 6 c) Number of hear Pipes – 2</p> <p>2) Tank Capacity 50 Ltrs</p> <p>3) Artificial source of radiation a) Number of Halogen Lights – 21 b) Power – 150 watts each c) Halogen fixture area – 0.72 m² d) Regulator capacity – 5000 W e) Radiation meter – 0 to 1999 W/m²</p> <p>4) Water Pump Power 0.5 hp</p> <p>5) Water floe meter Flow range : 0.5 to 25 LPM Supply Voltage – 230 V AC</p> <p>6) Anemometer Range : 0.4 to 45.0 m/sec Power supply : DC 4*1.5 AAA size</p> <p>7) Pressure Gauges Range : 0 to 6 bar pressure Power : 220 V AC</p> <p>8) Thermometers Range : -200 to 650 °C Disply Range : -100 to 200 °C Supply of Voltage : 230 AC</p> <p>9) Fan 0 to 5 m/s</p> <p>10) Insulation These are porous rubber pipe of ¾ inch size</p> <p>11) Structure Made of Mild Steel</p>	1					
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Note: Specifications of all the machines and equipments are approximate small variations may be allowed.

Carpentry Tools

Sr. No.	Name of Tools	Size	Qty.
1.	Ball Pein Hammer	100, 250,500 grms.	8 each
2.	Mallet Hammer	1 kg.	8
3.	Crow Hammer	500 grms	8
4.	Hand saw (Karwat) Revers	18"	8
5.	Right Angel	6",10"	8 each
6.	Adujstable Right Angel (Bebal)	8"	8
7.	Steel Scale	1', 2'	8+8
8.	C- clamp	4"	16
9.	Fix Spanner set	6-32 mm	5 set
10.	Ring Spanner set	6-32 mm	5 set
11.	Circlip Plier Inside	8"	8
12.	Circlip Plier Out side	8"	8
13.	Combination Plier	7"	8
14.	Nose Pleir mini	5"	8
15.	Tin Cutter	10"	5
16.	Wood Chisel (Pharsi) with fiber Handel	12,19,25,50 mm	8 each
17.	Mortise Gauge (Garmi)		8
18.	Flat File smooth with fiber Handel	12"	8
19.	Flat File ruf with fiber Handel	12"	8
20.	Half Round file smooth with fiber Handel	12"	8
21.	Half Round file ruf with fiber Handel	12"	8
22.	Planner (Rando) Metal body	9" x 2"	8
23.	Carpenter Pincer	7"	8
24.	Hand Drill Machine (Breast)	13-1/2	8
25.	HSS Drill Set	2-13mm	5 set
26.	Screw Driver (Engineer pattern)	712, 930	10+5
27.	Tubular Hacksaw Frame	300 mm	8

Terms and Conditions of the Tender:

1. Rates should be inclusive of all taxes, Octroi, F.O.R. to our Office/Laboratory including installation and demonstration.
2. Duly filled Quotation form in sealed envelope should reach the Principal, College of Agricultural Engineering and Technology, NAU., Dediapada by post/courier/register Ad. before **07/10/2014** through register ad, post/courier/personally.
3. Please write on top of envelope "***Quotation for Workshop Machinery/Carpentry Tools/Renewable Energy....*** " And mention clearly sender's name and address.
4. Quotations shall be opened as and when Principal will decide.
5. The prescribed configuration is not a mandatory. Higher configuration or latest Model will also be permitted.
6. Lowest price shall not be a only criteria since our main emphasis will be on quality of the product quoted.
7. However, if committee deems proper, the negotiation for the final price will be done with the tenderers. First chance will be given to the lowest price in the chronological order.
8. The committee is empowered to reject any or all the Quotations without giving any reason. This shall not be challengeable in the court.
9. No correspondence shall be entertained after submission of Quotations.
10. Delivery should be made within a month after receiving supply order at **College of Agricultural Engineering and Technology, Parsi Tekra, Dediapada 393 040, Di. Narmada.**
11. No advance payment will be made.
12. No penalty or penal interest will be paid due to delay in payment on account of unforeseeable reasons.
13. Payment will be made only after satisfactory supply and installation.
14. Warranty period against any manufacturing defects of material should be clearly mentioned.
15. Discount if any offered, may please be specified.
16. Authorized dealer should enclose authorization certificate (Attested photocopy) of manufacturing company.
17. Attach the separate sheet mentioning detail specification along with literature.
18. Provide **the list of your valued customers of the said items in state Agricultural University, ICAR Centers, Other Government and Semi Government Bodies. NGOs etc in India.**
19. In case of dispute, decision of the Registrar, Navsari Agricultural University, Navsari will be final and acceptable to all the parties.
20. The jurisdiction for any legal dispute shall be Navsari District only.