ફકત ઓફીસ હેતુ માટેઃ

ટેન્ડર ફોમ નંબર આપ્યા : તારીખઃ

ટેન્ડર ફી: Rs. 1,500/-

Purchase of Laboratory Equipments at Polytechnic in Agricultural Engineering, Anand Agricultural University, Muvaliya Farm, Dahod-389151

રજીસ્ટર / સ્પીડ પોસ્ટ થી ટેન્ડર સ્વીકારવાની છેલ્લી તારીખઃ 30/12/2020

કૃષિ ઇજનેરી પોલીટેકનીક

આણંદ કૃષિ યુનિવર્સિટી

મુવાલિયા ફાર્મ દાહોદ-૩૮૯૧૬૦

(ફોન નં. 02673-223102)

ભાવ ભરનાર/ આપનાર પાટી નું નામ :–

સંપુણ સરનામું:–

ફોન નંબર :–

ફેકસ નંબરઃ–

ઈ–મેઈલનું સરનામું:–

ટેન્ડર ફીની વિગતઃ–

ડી.ડી. નંબર :–

રકમ :– તારીખ :–

ડીપોજીટની વિગતઃ–

ડી.ડી. નંબર :–

રકમ :–તારીખ :–

સેલ્સ ટેકસ નંબર :–

રજીસ્ટ્રેશન નંબર :–

અન્ય વિગત :–

અમો ટેન્ડરમાં આપેલી શરતો અને નિયમો મુજબ માલ સપ્લાય કરવા બાહેધરી આપીએ છીએ.

ટેન્ડરભરનારનીસહી

(સિકકો,નામ અને હોદો)

Lowest competitive rates are hereby invited for the purchase of following items

Sr. No.	Name of item and specifications	Approx. Quantity	Quoted Rate per unit or as per specified	EMD (3%)
1	**SPECTROMETER OF RF LIGHT APRATUS** • Study of the variation of angle of deviation with the angle of incidence • To determine the refractive index of the material of the prism using (i-d) curve for a given wavelength using Spectrometer. **FEATURES:** The complete Experimental Set-up consists of the following: • SPECTROMETER STANDARD: 6" dia circle reading 30 seconds. The objectives used in telescope and collimator are achromatic and provided with rack and pinion focusing arrangement. Telescope arm and prism table are provided with fine and coarse adjustment. The prism table is provided with three leveling screws and is engraved with concentric rings & lines. The scales and verniers are of stainless steel and are machine divided. Clamping devices are also provided to lock telescope and collimator after adjustment, with prism clamping device and diffraction grating stand. • MERCURY LIGHT SOURCE: Complete with Mercury Vapour lamp 80W along with choke & wooden box with holes with slide covers one each on three sides. • PRISM: Optically worked with two faces polished, Equilateral, size 38mm x 38mm.Reading lens: 40/50mm diameter with handle.Sprit Level: 60/80mm length. Weight: 13.6 Kg. (Approx.)	1		
2	**V-I CHARACTERISTICS OF P_N JUNCTION DIODE APRATUS** Box Size : 250 x 200 x 40 mm (With 2 meters) Input Power Supply : 230Vac, 50Hz AC Mains Trainer consists of variable DC Power supply : 0-20Vdc Trainer consists of 2 digital meters of 0-20Vdc & 0-20mAdc each	1		
3	**FOCAL LENS MEASUREMENT APARTUS** To find the focal length of a convex mirror using plane mirror. To find the focal length of a convex mirror using convex lens. **FEATURES :** The complete Experimental Set-up consists of the followings : OPTICAL BENCH DOUBLE ROD : All metal having four metal riders. One rider with transverse motion & Three fixed (Round Rod type) and provided with lavelling screws. Complete with two lens holders & two needles. One metre long. DOUBLE CONVEX MIRROR :Dia meter 50mm Focal Length 15cm ,DOUBLE CONVEX LENS : 50mm dia of different focal length (2 nos.), PLANE MIRROR STRIP : 100 x 25 x 3mm | 00 x 25 x 3mm	1		
4	**WAVELENGTH DETECTION GRATING APARTUS** Measurement of the wavelength of prominent lines of mercury by plane diffraction grating.	1		

	FEATURES : **SPECTROMETER STANDARD :** The objectives used in telescope and collimator are achromatic and provided with rack and pinion focusing arrangement. Telescope arm and prism table are provided with fine and coarse adjustment. The prism table is provided with three leveling screws and is engraved with concentric rings & lines. The scales and verniers are of stainless steel and are machine divided. Clamping devices are also provided to lock telescope and collimator after adjustment, with prism clamping device and diffraction grating stand. 2. **DIFFRACTION GRATING :** Hilger & Watts Type. 3. **MERCURY LIGHT SOURCE :** Complete with Mercury Vapour lamp along with choke & wooden box with holes with slide covers one each on three sides. 4. **PRISM :** Optically worked with two faces polished, Equilateral, 5. **READING LENS :** 1 Nos. 6. **SPIRIT LEVEL :** 1 Nos.			
5	**DEFLECTION MAGNETOMETER** Determination of the Horizontal Component of Earth.s Magnetic Field BH and the Magnetic Moment M of the Magnet bar using Deflection and a Vibration Magnetometers. **FEATURES :** 1. DEFLECTION MAGNETOMETER 2. VIBRATION MAGNETOMETER 3. DIGITAL STOP CLOCK : With START/STOP operation by means of toggle switch & RESET OMEGA TYPE DSC-602 by a push button switch. It has a range of 999.9 seconds with resolution of 0.1 seconds and accuracy of ±0.01% (Quartz controlled). Display is thorough 4 no.s of 12.5mm bright Seven Segment Displays and working voltage of the unit is 230V± 10% 50Hz. 4. VERNIER CALLIPER	1		
6	**DIODE CHARACTERISTICS APARTUS :** Box Size : 250 x 200 x 40 mm (With 2 meters) Input Power Supply : 230Vac, 50Hz AC Mains Trainer consists of variable DC Power supply : 0-20Vdc Trainer consists of 2 digital meters of 0-20Vdc & 0-20mAdc each	1		
7	**V-I CHARACTERISTIC OF ZENER DIODE APARTUS** **SPECIFICATION :** Box Size : 250 x 200 x 40 mm (With 2 meters) Input Power Supply : 230Vac, 50Hz AC Mains Trainer consists of variable DC Power supply : 0-20Vdc Trainer consists of 2 digital meters of 0-20Vdc & 0-20mAdc each	1		
8	**LED CHARACTERISTICS APARTUS** **SPECIFICATION :** Box Size : 250 x 200 x 40 mm (With 2 meters) Input Power Supply : 230Vac, 50Hz AC Mains Trainer consists of variable DC Power supply : 0-20Vdc Trainer consists of two LEDs (Red & Green) Trainer consists of 2 digital meters of 0-20Vdc & 0-20mAdc each	1		
9	**ENERGY BAND GAP IN SEMICONDUCTOR APARTUS** **FEATURES :** • The board consists of the following built-in parts : 1. 2V D.C. at 10mA, regulated Power Supply. 2. Digital Microammeter, 3½ digits having range 200µA D.C.	1		

	3. Semiconductor Diode. 4. Thermometer 0 -110 °C. 5. Oven, Electrically heated to heat the Semiconductor Diode. 6. Mains ON/OFF switch and Fuse. • The unit is operative on 230V ±10% at 50Hz A.C. Mains. • Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length ½ metre. • Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections / observation of waveforms. • Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, • Report Suggestions and Book References.			
10	**SPECTROMETER APARTUS FOR RF OF PRISM** 1.Study of the variation of angle of deviation with the angle of incidence 2.To determine the refractive index of the material of the prism using (i-d) curve for a given wavelength using Spectrometer. **FEATURES:** Thecomplete Experimental Set-up consists of the following: 3.SPECTROMETER STANDARD: 6" dia circle reading 30 seconds. The objectives used in telescope and collimator are achromatic and provided with rack and pinion focusing arrangement. Telescope arm and prism table areprovided with fine and coarse adjustment. The prism table is provided with three leveling screws and is engraved with concentric rings & lines. The scales and verniers are of stainless steel and are machine divided. Clamping devices are also provided to lock telescope and collimator after adjustment, with prism clamping device and diffraction grating stand. 4.MERCURY LIGHT SOURCE: Complete with Mercury Vapour lamp 80W along with choke & wooden box with holes with slide covers one each on three sides. 5.PRISM: Optically worked with two faces polished, 6.Equilateral, size 38mm x 38mm. 7.Reading lens: 40/50mm diameter with handle. 8.Sprit Level: 60/80mm length. 9.Weight: 13.6 Kg. (Approx.)	1		
11	**RESISTIVITY OF METAL- METER BRIDGE APARATUS** 1.To determine the resistance of a given wire with the help of a Meter Bridge. 2.To determine the specific resistance of the material of the wire using a Meter Bridge. **FEATURES:** The Set up consists of the following : 1.Meter Bridge, two gaps, Sunmica top with sliding jockey. 2.Galvanometer 50-0-50, 65 mm round dial, mounted on bakelite stand. 3.Cell Eliminator 4.Decade Resistance Box, one dial, in step of 1ohm, total resistance 10 ohms 5.Micro meter screw gauge. 6.Resistance wires of two different material each of 50cm length. 7.Weight: 3.4 Kg. (Approx.) 08 Adequate no. of connecting wires	1		

Terms and Conditions:

1. A Tender fee of **Rs.1, 500/-** must be **attached separately** form of crossed Demand Draft in favour of "AAU Fund Account" payable at Anand.
2. Rates quoted should be inclusive of all applicable Taxes and F.O.R. our college at Dahod including all other expenditures, if any.
3. The rates quoted should be valid upto March 31, 2021.
4. Being an educational institution, we are eligible for exemption of excise and custom duty. Hence, rates should be quoted accordingly.
5. Payment shall be made only after satisfactory installation and demonstration or execution of work as per the specifications quoted in the tender. No advance or part payment or payment through bank can be entertained.
6. Tenderers will have to attach original colour catalogue of the each quoted product ensuring exact specifications.
7. The credentials of the party, list of customers and complete illustrated literature should be enclosed with the tender. The firm should be ready for pre inspection of the item and its performance, if necessary.
8. In case of defective items, the same shall have to be replaced by the party concerned at its own cost, and risk, and within stipulated time.
9. The Earnest Money Deposit (EMD) @3% of total amount in the form of crossed Demand Draft in favour of "AAU Fund Account" payable at Anand, shall have to be accompanied with the filled Tender Forms. Tender submitted without EMD shall not be considered. The deposit shall be forfeited if the party in any case is not able to supply the goods/ complete the work in stipulated period and at the rates approved. EMD of all the parties taking part in tender will be returned without any bank interest and only after completion of work/purchase process.
10. College may vary the quantity mentioned in the tender, which are indicative and approximate only and reserves the right to cancel any item at any time without any explanation. No correspondence from tenderer will be entertained in this regard.
11. Duly filled tender forms in sealed envelopes through RPAD/speed post only should reach the office of the **Principal, Polytechnic in Agricultural Engineering, Anand Agricultural University, Dahod-389160 before 17.00 hr on 30th December, 2020**. If tender received through other means or any other lacuna in tender, which causes rejection, than the tender fee will be forfeited.
12. Please super scribe the envelope, **"Rates for Tender PAE-01/2020"** and mention clearly senders' name and address and item quoted for.
13. Party may provide the company registration/Authorized dealer / Manufacturer / Last year Income Tax Return certificate to assess their authentication. GST registration certificate and PAN/TAN no. is compulsory.
14. The successful vendor has to submit Security deposit @ 5 %of the value of purchase order in the form of DD. It will be returned only after 06 months or more as the case may be. On not submitting the security deposit in time, the EMD will be forfeited. EMD refund process will be initiated after **15th April, 2021.** Therefore, no pre-request for this will be entertained.
15. Subcontract is not permitted and if any such agreements are brought to the notice of office, the payment and EMD will be forfeited.
16. The PRINCIPAL shall be empowered to reject any one or all the tenders without giving any reason for doing the same. This shall not be challengeable in the Court of law.
17. In case of disputes, decision of Vice Chancellor, Anand Agricultural University, Anand will be final and acceptable to all the parties.
18. GST-TDS and/or IT of 2% will be deducted at source as per GOG/AAU rules.