

TENDER FORM

Tender for supply and installation

**Photo Reactor Full Setup, Multichannel Analyzer, UV-VIS Spectrophotometer
at Department of Physics, Dr. Babasaheb Ambedkar Marathwada University,
Aurangabad**

Ref No----- to be filled in by tenderer



**Department of Physics, Dr. Babasaheb Ambedkar Marathwada University,
Aurangabad (MS) – 431004 INDIA**

Date of submission----- (to be filled in by tenderer)

Tender for the supply and installation

Photo Reactor Full Setup, Multichannel Analyzer, UV-VIS Spectrophotometer, Wave and Propagation Trainer Kit

AT Department of Physics,

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

Photo Reactor Full Setup, Multichannel Analyzer, UV-VIS Spectrophotometer, Wave and Propagation Trainer Kit

Annexure- I

| Sr. No. | Particulars | Specification | Unit price in Figure Inc. all Taxes | Rate quoted in words |
|---------|---|---|-------------------------------------|----------------------|
| 01 | Photo Reactor Full Setup | Photo Reactor Full Setup 1.1. 500ml Quartz Glass Photo Chem Reactor 1.2. Triple Jacketed Reactor. 1.3. 250 Watts MPMVL UV Lamp with Power Controller. 1.4. Glass Reactor Clamping Stand. 1.5. 0-1000 rpm Magnetic Stirrer. 1.6. 4 Liters Circulating Tank with Submersible Pump. 1.7. Teflon Sampling Arrangement using Syringe. 1.8. Sealing Using TQR Sealing Patented Arrangement Safety Cabinet. | | |
| 02 | Multichannel Analyzer | Multichannel Analyzer 1. USB based 8k MCA Card with Data acquisition & processing Anuspect software (Has both PHA & MCS modes of operation) with Personal Computer : MC 1001 2. PC Configuration: 3. Branded P.C. (with Intel i3 processor DDR3) 2 GB RAM, DVD Writer ,500 GB Hard Disk, Keyboard and Mouse, TFT Monitor, Laser Jet Printe (Monochrome), Windows7 or Higher Licensed OS. (Note: PC Configuration may slightly change based on the availability of the items in the market. | | |
| 03 | Wave and Propagation Trainer Kit | Wave and Propagation Trainer Kit Experiments :- <ul style="list-style-type: none"> • To understand the basic setup and Introduction to the given system • To understand the working of Transmitter and Receiver 3 To study the standing waves and Measure the wavelength of Microwaves 4 To study the Reflection in Microwaves 5 To study the Fabry – Perot interferometer 6 To study the Voice Communication with the help of Microwave Receiver Experiment Unit that Contains :- <ul style="list-style-type: none"> • Frequency of Operation 10 GHz • Power Transmission : 10-15 mW • Operating Voltage : 8-10 V adjustable • Antenna for Transmission & Reception : Horn type • Goniometer scale : 0-360 degree | | |

| | | | | |
|----|---------------------------------|---|--|--|
| | | <ul style="list-style-type: none"> • Tone Generator : 1 KHz Frequency • Transmitter and Receiver arm Length : 50 cm each • Power Display : Digital, Relative Measurements ➤ Transmitter Arm, Receiver ➤ Goniometer main unit, Detector probe ➤ Prism, metal plate for Different diamensions ➤ Partial Reflectors, Din connectors cable ➤ Metal plate holder, polarization grille Prism stand, microphone | | |
| 04 | UV-VIS Spectrophotometer | <p>UV-VIS Spectrophotometer</p> <ol style="list-style-type: none"> 1. PC based UV-Vis Spectrophotometer with the following specifications with suitable power supply -220-250V, AC Input 50/60 Hz 2. Photometric system: Double beam optics. 3. Wavelength range : 190 to 900 nm or more 4. Wavelength Accuracy : +/-0.3 to 05 nm (automatic Wavelength Correction) 5. Wavelength Accuracy : +/-0.004 to -0.005 Abs. At 0.5-1.0 Abs +/-0.002 Abs. Better at 0-0.5 Abs or better +/-0.3% T (0-100%T) 6. Wavelength Repeatability : <+/- 0.1 nm or better 7. Photometric range : -4A ~ 4A or better 8. Spectral Bandwidth: Continuous changeable slit form 0.05 to 5nm. 9. Wavelength Scan speed : Up to 2500 nm/min or better 10. Stray light : 0.01% T to 0.05 of better (220 nm NaI, 340 nm NaNo₂) 11. Detector : Photomultiplier 12. Light Source : High Efficiency Tungsten and Deuterium Lamp or Xe flash lamp 13. Quartz Cuvette : 10 mm path length 5 pairs 14. Cuvette Holder : 6 or more cell automatic motorized cell holder 15. PC with Windows 10 Home 64 bit , 8th /9th generation I5 with 8GB DDR4 Ram TTB HDD & other ports. <p>Integrating sphere: Specifications Incidenceagl : Sample 0°, reference 8° Minimum dimensions : Diameter 20mm Minimum dimensions : Width 15mmxheight 25 mm , Diffuse reflectance Wavelength range : 230nm~850nm Slit 5 nm Sphere diameter : 58mm</p> | | |

I hereby agree to abide by the enclosed terms & conditions of this tender and the tender is duly signed by m.

Place: Aurangabad Signature with rubber stamp

**Dr. Babasaheb Ambedkar Marathwada University, Aurangabad-
431004 (MH) INDIA**



Department of Physics

Terms & Conditions

1. The E-Tender Form and all the details are available at the website:<http://www.mahatenders.gov.in>. The tender form fees and EMD should be paid online through the website:<http://www.mahatenders.gov.in>.
2. The E-Tender should be submitted online through website:<http://www.mahatenders.gov.in>. Where the tenderer is required to (a) download the blank PDF file and fill in the same in Indian ink; (b) upload the duly signed filled in file as well as Technical Documents and Commercial Bid in requisite two cover system as per the detailed instruction given at the aforesaid website.
3. The **Technical Documents should also contain** information 4 (a) to 4(e), mentioned below, which is mandatory, else the Commercial Bid won't be considered and the Tender will be summarily rejected and disqualified.
4. In the Technical Cover, Supplier should enclose attested copies of
 - a) Tender form fees and earnest money deposit (EMD) payment
 - b) Income Tax Return for the year 2018-2019, Audit Report for the year 2018-2019
 - c) GST registration copy
 - d) Valid Manufacturer certificate/Authorisation certificate
 - e) Sole manufactures certificate (if any)
 - f) Updated Shop act license
5. The Commercial/Financial Offer must be submitted in the form of scanned copy of the aforesaid PDF file duly signed and filled in Indian ink. Blank PDF file is given at www.mahatenders.gov.in. The supplier shall fill up the column of rate per unit offered by him for respective item. Overwritten/Scratched/Unclear rates will not be accepted. Tender without signature will not be accepted. Whitener will not be allowed on the Tender.
6. The Commercial Cover should contain only the FINANCIAL OFFER (i.e.the tender Form duly filled in and signed.)
7. The University Authorities shall have the right to decide whether to open or not to open the Commercial Cover of any supplier & no objection from any supplier shall be entertained on any grounds whatsoever regarding this.
8. The Tender should include all taxes, octroi, freight, transit insurance, Forwarding and other charges. Delivery FOR Department, University Campus and should be inclusive of pre-requisites (if any) for installation and commissioning. The rate should also be quoted for qualification documentation like IQ, PQ, OQ if any.
9. The tender should be accompanied with by detailed technical brochure.
10. The supplier should give free installation and commissioning.
11. The supplier should supply the equipment mentioned in the tender form.

12. The supplier should enclose the list of institutions where the said equipment was supplied earlier.
13. The successful tenderer is required to deposit an amount of 5% of the tender value as security deposit within a period of 8 days after receiving the firm order. The security deposit won't carry any interest.
14. If the security deposit is not received within the stipulated period, it will be presumed that the successful tenderer is not interested to supply and the EMD will be forfeited.
15. The amount of security deposit will be refunded after the guarantee period is over, after submission of the original receipt and satisfactory report.
16. The Registrar, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad is not bound to accept the lowest tender and reserves right to accept any tender or to reject all the tenders without assigning any reasons whatsoever.

I hereby agree to abide by all the above stated terms and conditions.

(Please contact Particulars Sr. No. 1, 2. Prof. K.M.Jadhav, 09422686061 and Particulars Sr. No. 3, Dr. P.B. Undre 09657565441 for queries regarding scope of work and 01204200462 for tender upload related enquiry (helpline of e-tender cell, Govt. of Maharashtra).

Sd/-

Registrar