

Dr .BABASAHEB AMBEDKAR MARATHEADA UNIVERSITY, AURANGABAD



CIRCULAR/PLAN & STAT/2022-23/01/2022

As directed by the Hon'ble Vice-Chancellor, it is hereby notified to all concern that 'Multispectral Research Lab' is available in the Dept. Computer Science & Information Technology of this University, in this Lab consultancy will be provided on the prescribed rates enclosed with this circular.

Also in Department of Physics 'Advanced Materials Research Laboratory', 'Materials Research Laboratory', 'Molecular Interaction Research Laboratory', 'Microwaves and soil Physics Laboratory' and 'Gama Ray Spectrometer NaI (TI) Scintillation Detector' are available in the Dept. of Physics and also attached herewith different facility & their cost with name of equipment of above mentioned Laboratory. Hence those who are interested in this regards contact to concern Head of the Department. All the Head of the Department, Director, Sub Campus Osmanabad and Concern are requested to note the contents of this circular and bring the notice to the students, teachers, researchers and concern for their information and necessary action.

University Campus,
Aurangabad-431 004.
Ref. No. Plan & Stat/2022-23/410-20
Date : 30/07/2022

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Rajyashree
Prof. (Dr.) Jaishree R. Suryawanshi
Registrar

Copy Forwarded with compliments to :

- 1) All Heads of the University Departments, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
- 2) The Director, Sub-Center, Osmanabad, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
- 3) The Principals, Model College Ghansawangi, Dist. Jalna.
- 4) The Librarian, University Library, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
- 5) The Director, University Network & Information Centre, UNIC, with a request to upload the Circular along with its enclosures on University Website.
- 6) The Public Relation Officer.
- 7) The Deputy Registrar, Post Graduate Section.

Copy for information to :

1. The P.A. to the Vice-Chancellor, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
2. The P.A. to the Pro. Vice –Chancellor, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
3. The P.A.to the Registrar, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD**NAAC – Reaccredited “A” Grade**

EPABX : (0240) 2403399/400
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UNIVERSITY CAMPUS
 AURANGABAD-431004
 (Maharashtra) INDIA

Dept. of Computer Science & Information Technology**Consultancy Proposal**

Multispectral Research Lab: It is proposed to have a consultancy on the basis of the Equipment's and Infrastructure available at Multispectral Research Lab. The consultancy will be provided on the following basis.

Sr. No	Description	Proposed Rates
1	Non Imaging Sample Collection on ASD FieldSpec4 Spectroradiometer. I) Full Time Research Students	a) Rs. 1,000.00 Minimum five Samples in Lab b) Rs. 2,000.00 Minimum five Samples on Field
	II) Part Time Research Students	a) Rs. 2,000.00 Minimum five Samples in Lab b) Rs. 4,000.00 Minimum five Samples on Field
	III) Full Foreign Research Students	a) Rs. 5,000.00 Minimum five Samples in Lab b) Rs. 10,000.00 Minimum five Samples on Field
	IV) Part Time Foreign Research Students	a) Rs. 10,000.00 Minimum five Samples in Lab b) Rs. 20,000.00 Minimum five Samples on Field
2	Soil Analysis	a) Rs. 500.00 per sample
3	Crop Analysis	a) Rs. 500.00 per sample
4	Use of Spectral Data Samples (Soil, Vegetation, Drugs etc)	a) Rs. 500.00 per sample (minimum for the set of five samples)

Head

Department of Computer Science & IT

HEAD

**Dept. of Computer Science &
 Information Technology.**

**Dr. Babasaheb Ambedkar Marathwada
 University, Aurangabad.**

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Dept. of Physics

“RAMAN Spectrometer”

Facility	Applicable charges			
	Industry (Rs)	Academic From outside B.A.M.U (Rs.)	Dr. B.A.M.U Aurangabad (Rs.)	Department of Physics (Rs.)
RAMAN Spectrometer	Rs. 1000.00	Rs. 250.00	Rs.200.00	Rs. 00.00

Head
Department of Physics
Professor & Head
Department of Physics
Dr. Babasaheb Ambedkar
Marathwada University,
Aurangabad.

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UNIVERSITY CAMPUS
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Dept. of Physics

“Advanced Materials Research Laboratory”

UV-VIS Spectrometer with Fluorescence

Sr. No.	Characterization	Rates in (Rs)/Sample	University Share: 25% (in Rs.)	Laboratory Share: 75% (in Rs.)
1	Absorption	Rs. 200.00	Rs. 50.00	Rs. 150.00
2	Reflection	Rs. 200.00	Rs. 50.00	Rs. 150.00
3	Transmission	Rs. 200.00	Rs. 50.00	Rs. 150.00
4	Fluorescence	Rs. 400.00	Rs. 100.00	Rs. 300.00
5	Antibacterial Activity	Rs. 400.00	Rs. 100.00	Rs. 300.00
6	High Temperature Tubular Furnace	Rs. 200.00	Rs. 50.00	Rs. 150.00
7	Hydraulic Press for Pellets	Rs. 200.00	Rs. 50.00	Rs. 150.00

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Professor & Head
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Marathwada University,
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Dept. of Physics

“Materials Research Laboratory”

Sr. No.	Name of the Facility	Requirements on Test Sample	Charges in (Rs.)/hr./sample/spectrum		
			Home University	Other University	Industry
1	Sample preparation (Bulk and Nanomaterials)	Chemicals/Glassware etc	Rs. 400/sample	Rs. 600/sample	Rs. 1600/sample
2	Thin film preparation using Spray pyrolysis	Glass substrates	Rs. 200/sample	Rs. 300/sample	Rs. 800/sample
3	Hydraulic Press (5-15 Ton Pressure)	Sample in powder form (1-3gm)	Rs. 50/per sample	Rs. 75/ per sample	Rs. 200/ per sample
4	Programmable Muffle Furnace (RT to 1000°C)	Sample in pellet form	Rs. 200/Day	Rs. 300/Day	Rs. 800/Day
5	Electrical Conductivity Measurements (RT to 1000K)	Sample in pellet for with 10 mm diameter and 3-4 mm thickness	Rs. 200/per sample	Rs. 300/ per sample	Rs. 800/ per sample
6	Thermoelectric power measurements (RT to 1000K)	Sample in pellet form with 10 mm diameter and 3-4 mm thickness	Rs. 200/per sample	Rs. 300/ per sample	Rs. 800/ per sample
7	Dielectric constant measurements (10 Hz to 100 kHz)	Sample in pellet form with 10 mm diameter and 3-4 mm thickness	Rs. 200/ sample	Rs. 300/ sample	Rs. 800 sample
8	Magnetization measurements using Pulsed Field Hysteresis Loop Tracer (5 Telsa)	Sample in pellet form with 10 mm diameter and 3-4 mm thickness	Rs. 100/ sample	Rs. 150/ sample	Rs. 400/ sample
9	AC Susceptibility Setup	Sample in pellet form with 10 mm diameter and 3-4 mm thickness	Rs. 200/ sample	Rs. 300/ sample	Rs. 800/ sample
10	Mossbauer Setup*	Powder form (approx.1gm)	Rs. 700/ sample	Rs.1000/- sample	Rs. 2800/ sample
11	Loria Technique setup for Curie Temperature measurements (RT to 1000K)	Sample in pellet form with 10 mm diameter and 3-4 mm thickness	Rs. 50/ sample	Rs. 75/ sample	Rs. 200/ sample
12	Ultrasonic Interferometer (with varying frequency)	Liquid form	Rs. 100/ sample	Rs. 150/ sample	Rs. 400/ sample

B. N. N.
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 Professor & Head
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Dept. of Physics

“F.T.I.R Spectrometer”

Facility	Applicable charges			
	Industry (Rs)	Academic From outside B.A.M.U (Rs.)	Dr. B.A.M.U Aurangabad (Rs.)	Department of Physics (Rs.)
F.T.I.R Spectrometer	Rs. 500.00	Rs. 200.00	Rs.100.00	Rs. 00.00



Head

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Professor & Head
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Dept. of Physics**“Molecular Interaction Research Laboratory”**

Sr. No	Facility	Applicable Charges, Per Sample, per Temperature								
		Industry (Rs.)	Academia / University (Rs.)	Dr. BAMU Aurangabad (Rs.)	University Share: 40% (Rs.)			Laboratory Share: 60%(Rs.)		
1	Ultrasonic Interferometer (for liquids, model: F-05, Mittal) fix 2.0MHz frequency Sample Qty: (10ml) Temp.range (10-100°C)	Rs. 100.00	Rs. 75.00	Rs.50.00	Rs. 40.00	Rs. 30/-	Rs. 20.00	Rs. 60.00	Rs. 45.00	Rs. 30.00
2	Density Meter (for liquids, model: DMA-35, Anton Paar) Sample Qty: (2ml) Rang:(upto 3gm/cc) Temp. range (10-40°C)	Rs. 100.00	Rs. 75.00	Rs.50.00	Rs. 40.00	Rs. 30.00	Rs. 20.00	Rs. 60.00	Rs. 45.00	Rs. 30.00
3	Viscometer (for liquid, model: LV-DV-II+Pro, Brookfield Sample Qty: (05.ml) Range: (0.15-3.06cP) Temp.range (10-40°C)	Rs. 150.00	Rs. 100.00	Rs.75.00	Rs. 60.00	Rs. 40.00	Rs. 30.00	Rs. 90.00	Rs. 60.00	Rs. 45.00
4	Refrigerated circulating water bath. (for temp.variation with above facilities) Temp. range: (-10°C to +120°C)	Rs. 750.00	Rs. 300.00	Rs.200.00	Rs. 300.00	Rs. 120.00	Rs. 80.00	Rs. 450.00	Rs. 180.00	Rs. 120.00

B. Nole
Head
 Department of Physics

Professor & Head
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 Marathwada University,
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Dept. of Physics**“Materials Research Laboratory”**

Sr. No.	Name of the Facility	Charges in Rupees per sample		
		Home University	Other University	Industry
1	Microwave measurement of solids at X-band-single frequency. (Fully automated)	Rs.50.00/ sample	Rs. 100.00	Rs. 200.00
2	Refractive index of liquid (single temperature)	Rs.50.00/ sample	Rs. 100.00	Rs. 200.00
3	Density of liquid (single temperature)	Rs.50.00/ sample	Rs. 100.00	Rs. 200.00
4	Soil texture (sand, coarse sand, silt and clay)	Rs.100.00/ sample	Rs. 150.00	Rs. 300.00
5	Soil moisture measurement by wet-sensor	Rs.50.00/ sample	Rs. 100.00	Rs. 200.00
6	Resistivity Measurement (soil only)	Rs.50.00/ sample	Rs. 100.00	Rs. 200.00
7	Soil analysis report for Agriculture	Rs.200.00/ sample	Rs. 400.00	Rs. 500.00

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Department of Physics

Professor & Head

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Dept. of Physics

**“Nuclear Physics Research Laboratory
 “Gamma Ray Spectrometer NaI (TI) Scintillation Detector”**

Facility	Applicable charges			
	Industry (Rs)	Academic From outside B.A.M.U (Rs.)	Dr. B.A.M.U Aurangabad (Rs.)	Department of Physics (Rs.)
Gamma Ray Spectrometer NaI (TI) Scintillation Detector	2000/-	1000/-	500/-	Free

B. N. S.
Head

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Professor & Head
 Department of Physics
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 Marathwada University,
 Aurangabad.