



# AMBEDKAR COLLEGE

A Govt. Degree College Affiliated to Tripura University  
(UGC 2f & 12B recognized)

Fatikroy, Unakoti, Tripura - 799290

Email: principalacfr@gmail.com Ph: 03824-295295/9366891642

webpage: www.actripura.edu.in



CGPA-2.69 (2nd Cycle)

## NOTIFICATION

No.F.3(27)/AC/FR/Accounts/Quotation/2023/ 7035)

Dated : Fatikroy, the 3<sup>rd</sup> September, 2026

Sealed Quotations are invited from the interested "Authorized manufactures/dealers/suppliers" of India for procurement of Laboratory Equipments, Chemicals, water purifier, PA system etc. for different science departments and sections of this Institution. Details of the equipment/articles/chemicals with specification and terms & conditions are available at our College website [www.actripura.edu.in](http://www.actripura.edu.in) and notice board. Last date of receipt of complete quotation is 18<sup>th</sup> September, 2026 (4pm) and the same will be opened on 19<sup>th</sup> September 2026 at 11:00 AM in presence of the bidders / authorized representatives who are willing to remain present at the time of opening.

**Bidding Fee : Rs.500/- (Non-refundable)**

Authorized manufactures/ dealers/ suppliers/service provider are requested to submit quotations in the prescribed format if applicable only enclosed herewith (*Annexure-I*) addressed to the Principal, Ambedkar College, Fatikroy, Unakokoti, Pin-799290 and sealed cover should be super-scribed as "QUOTATION",

Dr. Raghunandan Das

Principal

Ambedkar College, Fatikroy

Unakoti, Tripura

Dr. Raghunandan Das

Principal

Ambedkar College

Fatikroy, Unakoti Tripura-799290

Copy to -

1. The Director, Dept. of Information & Cultural Affairs, Govt. of Tripura for information and request for a single insertion in the local dailies.
2. Establishment Section
3. Convener, College website for uploading
4. Notice Board
5. Office file

## **Terms and condition for submitting quotation.**

|                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                                                                                                                                                                                              | The supplier/manufacturer should carefully place the quotation of the items/apparatus which they can supply reliably and in due time. Unnecessary quoting of items which they will be unable to supply at later stage at the time of issuing supply order could results in penalty or as decided by the concerned College authority and can also leads to cancelling of purchase order of the same.                                                                                                                                                                                                                                                                                                                                 |
| 2                                                                                                                                                                                              | The supplier/manufacturer can quote for any or all of the annexure. However, Quotation should be submitted separately for each annexure. In the quotation our notification reference number should be mentioned separately for each of the quotation as mentioned in the corresponding annexure.                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 3                                                                                                                                                                                              | The quotation must contain a valid supplier reference number and date. The validity of the quotation should be at least 45 days. The supplier quotation number should be separate corresponding to each annexure they quote.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 4                                                                                                                                                                                              | The quotation should contain detail specification of the items as and whenever expected with brand name, details accessories provided etc. Wherever quotation for a complete set is requested should imply including the accessories needed for the experiment. The price of all/part accessories which are not included in main set/unit should be mentioned separately along with specification.                                                                                                                                                                                                                                                                                                                                  |
| 5                                                                                                                                                                                              | It should be noted that no advance payments in any form for supplying the materials will be made to the competent supplier quoting the lowest price and to whom the purchase/supply order will be issued. The payment will only be made after satisfactory delivery of items in good condition and after checking, installation & demo etc, (as and wherever required). If however any supplier needs any advance payment it should be exclusively mentioned in their quotation and for this if or when payment is to be made a valid documents and receipts should be provided or handed over at the time of receiving the advance payments to concerned authority.                                                                |
| 6                                                                                                                                                                                              | It should be noted that no payment will be made towards packing, freight, forwarding, handling and transportation to F.O.R destination Ambedkar College, Fatikroy, Unakoti, Tripura. So it only GST/surcharges (if any) as applied will be applicable only on the actual quoted items. The GST/Surcharges etc. should be separately mentioned in the quotation. If supplier needs to add the transportation charges (if any) it should be mentioned separately as a percentage of actual value (e.g. say x%). For comparison the price/cost of items as required then will be calculated/ considered by adding actual values and other charges like transportation if any [ <b>excluding only the taxes (GST/SURCHARGES etc.)</b> ] |
| 7                                                                                                                                                                                              | It should be noted that the items quoted with specification should matches with the actual items they supply. If at the time of checking, delivery it is found that the items quality and specification differs from what asked for, it will be rejected then and thereby and the payment will not be made.                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 8                                                                                                                                                                                              | Supplier should provide their TIN/GST/CST etc. registration no. in the quotation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| The supplier/manufacturer or alike whoever be submitting quotations should comply with the above terms and conditions and thus submitting a quotation would imply their agreement on the same. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

- The College authority has the right to modify or cancel the entire process of purchase.
- Necessary taxes will be deducted by the office, if as per rules

# **The Original documents** like GST/PAN/Tax clearance, certificates of Authorized dealership, firm registration, **Bank account details for online payments** etc. **will be verified** before issuing supply order. Failing which his/her tender/quotation will be treated as **“INVALID”**.

**Quotation for Lab. Equipments, Chemicals, etc (Physics: Phase-I)**

| Sl. No | Name of the Instruments                                                      | Quantity (Approx.) |
|--------|------------------------------------------------------------------------------|--------------------|
| 1      | Resistance coil for measurement of temperature coefficient                   | 2                  |
| 2      | <b>Spectral Tubes -Neon</b>                                                  | 5                  |
| 3      | <b>Spectral Tubes -Helium</b>                                                | 5                  |
| 4      | <b>Spectral Tubes -Argon</b>                                                 | 5                  |
| 5      | Zener Diode V-I Characteristics Apparatus                                    | 2                  |
| 6      | PNP & NPN Transistor Characteristics App.(Digital version Combined Model)    | 2                  |
| 7      | FET Characteristics Apparatus (in 3-digital meter)                           | 2                  |
| 8      | Operational Amplifier Trainer (Ic741)                                        | 2                  |
| 9      | Travelling Microscope                                                        | 2                  |
| 10     | D.C. Microammeter (0-500 $\mu A$ )                                           | 2                  |
| 11     | D.C. Voltmeter 1 to 300 Volts                                                | 5                  |
| 12     | Milli-ammeters(0-500 mA)                                                     | 5                  |
| 13     | DC-Galvanometer                                                              | 5                  |
| 14     | Standard 1 Ohm Resistance                                                    | 10                 |
| 15     | Resistance Box (Plug types) Constantan and Manganin coil (1-10000 Ohm range) | 10                 |
| 16     | Resistance Box (Plug types) Constantan and Manganin coil (0.1-100 Ohm range) | 10                 |
| 17     | Potentiometer 10 wire with pencil jockey                                     | 4                  |
| 18     | Meter Bridge with pencil jockey                                              | 4                  |
| 19     | Standard One ohm resistance                                                  | 12                 |
| 20     | Thermometer                                                                  | 5                  |
| 21     | Vibrations Magnetometer                                                      | 2                  |
| 22     | Deflection Magnetometer(Premium quality)                                     | 2                  |
| 23     | Spectral tube power supply with mount                                        | 5                  |

**Quotation for Lab. Equipments, Chemicals, etc (Physics: Phase-II)**

| Sl. No. | Name of Instruments                                                                                                                    | Quantity (Approx.) |
|---------|----------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| 1       | 5 Volt power supply                                                                                                                    | 3                  |
| 2       | IC 741/536                                                                                                                             | 20                 |
| 3       | Function Generator                                                                                                                     | 2                  |
| 4       | CRO (Cathode ray oscilloscope)                                                                                                         | 1                  |
| 5       | Op-Amp setup                                                                                                                           | 2                  |
| 6       | Bread Board                                                                                                                            | 10                 |
| 7       | Transistor set                                                                                                                         | 2                  |
| 8       | Transformer $\pm 12$ volt                                                                                                              | 4                  |
| 9       | Transformer $\pm 15$ volt                                                                                                              | 4                  |
| 10      | Kit for Logic gate                                                                                                                     | 2                  |
| 11      | IC 7805                                                                                                                                | 10                 |
| 12      | IC 7812                                                                                                                                | 10                 |
| 13      | Study the I-V characteristics of a given solar cell used as photodiode                                                                 | 1                  |
| 14      | Resistivity of Semiconductors by Four Probe Method at Different Temperatures and Determination of the Band-gap, DFP-03 (Advance Model) | 1                  |
| 15      | Hall Effect Experiment,                                                                                                                | 1                  |
| 16      | Anderson bridge                                                                                                                        | 1                  |
| 17      | LCR CIRCUIT                                                                                                                            | 1                  |
| 18      | Study of the energy band-gap and diffusion potential of P-N Junctions,                                                                 | 1                  |
| 19      | Lattice dynamics kit                                                                                                                   | 1                  |
| 20      | Michelson Interferometer.                                                                                                              | 1                  |
| 21      | Fabry-Perot Interferometer.                                                                                                            | 1                  |
| 22      | Frequency Modulation & Demodulation Study, Model: FMD-01                                                                               | 1                  |
| 23      | Magnetic Hysteresis Loop Tracer,                                                                                                       | 1                  |
| 24      | Determine the dead time of a G.M. Counter using double source method.                                                                  | 1                  |
| 25      | Absorption spectrophotometer                                                                                                           | 1                  |
| 26      | Study of Dielectric Constant and Curie Temperature of Ferroelectric Ceramics,                                                          | 1                  |

**Quotation for Lab. Equipments, Chemicals, etc (Chemistry: Phase-I)**

| Sl. No | Name of Reagent               | Quantity (Approx.) | Brand    |
|--------|-------------------------------|--------------------|----------|
| 1      | <i>o</i> -chlorobenzoic acid  | 100g<br>500g       | SRL      |
| 2      | Anthranilic acid              |                    |          |
| 3      | <i>p</i> -hydroxybenzoic acid | 100g<br>500g       | SRL      |
| 4      | Aniline                       | 500ml              | LABOGENS |
| 5      | Acetanilide                   | 500g               | SRL      |
| 6      | Ferrous-ammonium sulphate     | 500g               | LABOGENS |
| 7      | 100ml round bottom flask      | 5nos.              | ABG      |
| 8      | Dropper(glass)                | 10nos.             | SPYLX    |
| 9      | Beaker (250ml)                | 10nos.             | BOROSIL  |
| 10     | Funnel(medium)                | 10nos.             | BOROSIL  |
| 11     | Watch glass                   | 10nos.             | WARCHEM  |
| 12     | Pipette                       | 10nos.             | BOROSIL  |

**Quotation for Lab. Equipments, Chemicals, etc (Chemistry: Phase-II)**

| Sl No | Name                                     | Quantity (Approx.) |
|-------|------------------------------------------|--------------------|
| 1     | Iron (II) Sulfide (for kipp's apparatus) | 1 kg X1            |
| 2     | Aluminium phosphate                      | 100g X1            |
| 3     | Nickel Phosphate                         | 100g X1            |
| 4     | Magnesium sulphate                       | 500g X1            |
| 5     | Zinc nitrate                             | 500g X1            |
| 6     | Zinc oxide                               | 500g X1            |
| 7     | Magnesium oxide                          | 500g X1            |
| 8     | Magnesium carbonate                      | 250g X1            |
| 9     | Manganese chloride                       | 500g X1            |
| 10    | Borax (disodium tetraborate)             | 500g X1            |
| 11    | Copper borate                            | 100g X1            |
| 12    | Lead chloride                            | 500g X1            |
| 13    | Ethanol                                  | 500ml X5           |
| 14    | Zimmerman Reinhardt solution             | 500mlX1            |
| 15    | Acetic acid                              | 500mlX2            |
| 16    | Potassium Iodide                         | 25gX1              |
| 17    | Manganese sulphate                       | 500g X1            |
| 18    | Zinc acetate                             | 500g X1            |
| 19    | Iodine                                   | 100g X1            |
| 20    | Chromium trioxide                        | 500g X1            |
| 21    | Potassium sulphate                       | 500g X1            |
| 22    | 4-nitro benzoic acid                     | 500g X1            |
| 23    | 4-hydroxy benzoic acid                   | 100g X1            |
| 24    | Anthranilic acid                         | 100g X1            |
| 25    | o-chloro benzoic acid                    | 500g               |
| 26    | Benzoin                                  | 500g               |
| 27    | Hydroquinone                             | 500g               |
| 28    | Orthophenylene diamine                   | 100gX1             |
| 29    | Formic acid                              | 500mlX1            |
| 30    | Formaldehyde                             | 500mlX 1           |
| 31    | Ethyl acetoacetate                       | 1L X 1             |
| 32    | Carbon Tetrachloride                     | 1L                 |
| 33    | Glycerol                                 | 1L                 |
| 34    | Volumetric flask 250ml                   | 10                 |
| 35    | Volumetric flask 500ml                   | 2                  |
| 36    | Two necked RB flask                      | 2                  |
| 37    | Rubber corks (for 100ml& 250ml flask)    | 10 each            |
| 38    | Air condenser                            | 2                  |
| 39    | Sintered crucible                        | 2                  |
| 40    | Buchner funnel                           | 2                  |
| 41    | Flask for Buchner funnel                 | 2                  |
| 42    | Viscometer                               | 10                 |
| 43    | Stalagmometer                            | 10                 |
| 44    | Potentiometer                            | 1                  |
| 45    | Platinum electrode                       | 2                  |
| 46    | Conductometer                            | 1                  |
| 47    | Spectrophotometer                        | 1                  |
| 48    | Hydrochloric acid                        | 5 L                |
| 49    | Aniline                                  | 1 L                |
| 50    | Round bottom flask                       | 100 mlX5           |
| 51    | Dropper (Glass)                          | 10 nos.            |
| 52    | Beaker (250ml)                           | 10 nos             |
| 53    | Glass funnel                             | 10 nos             |
| 54    | Pipette                                  | 10 nos             |

**Quotation for Lab. Equipments, (Mathematics: Phase-I)**

| Sl. No. | Particulars                  | Quantity (Approx.) |
|---------|------------------------------|--------------------|
| 1       | Scientific Calculator        | 05                 |
| 2       | Graphing Calculator          | 05                 |
| 3       | Function Graphing Templates  | 1 Set              |
| 4       | Volume-of-Revolution Models  | 1 Set              |
| 5       | Gradient/Tangent Board       | 03                 |
| 6       | 3D Coordinate Axis Models    | 1 Set              |
| 7       | Transformable Grid Boards    | 1 Set              |
| 8       | Probability Trees or Boards  | 1 Set              |
| 9       | Data Cards or Sampling Bags  | 1 Set              |
| 10      | 3D Geometric Solids          | 1 Set              |
| 11      | Tiling or Tessellation Kits  | 1 Set              |
| 12      | Cross-Sectional Models       | 1 Set              |
| 13      | Venn Diagram Kits            | 1 Set              |
| 14      | Logic Gates with Visual Flow | 1 Set              |

**Quotation for Lab. Equipments, Chemicals, etc (Botany: Phase-I)****A. Chemicals & Reagents**

| Sl. No. | Category                                  | Name of Chemical / Reagent                                   | Purpose / Use                           |
|---------|-------------------------------------------|--------------------------------------------------------------|-----------------------------------------|
| 1       | Plant Physiology & Biochemical Estimation | Sucrose (0.1 M–1.0 M graded concentration series)            | Determination of Osmotic Potential      |
| 2       |                                           | Sodium bicarbonate (NaHCO <sub>3</sub> )                     | Photosynthesis experiment               |
| 3       |                                           | Hydrogen peroxide (H <sub>2</sub> O <sub>2</sub> , 3%)       | Respiration experiment                  |
| 4       |                                           | Alkaline pyrogallol                                          | Photosynthesis / gas absorption studies |
| 5       |                                           | Anthrone reagent                                             | Carbohydrate estimation                 |
| 6       |                                           | Concentrated Sulfuric Acid (H <sub>2</sub> SO <sub>4</sub> ) | Carbohydrate estimation                 |
| 7       |                                           | D-Glucose standard                                           | Glucose estimation                      |
| 8       |                                           | Folin-Ciocalteu reagent                                      | Protein / Phenol estimation             |
| 9       |                                           | Sodium carbonate (Na <sub>2</sub> CO <sub>3</sub> )          | Lowry protein estimation                |
| 10      |                                           | Copper sulfate (CuSO <sub>4</sub> )                          | Lowry protein estimation                |
| 11      |                                           | Sodium potassium tartrate                                    | Lowry protein estimation                |
| 12      |                                           | Sodium hydroxide (NaOH)                                      | Lowry protein estimation                |
| 13      |                                           | Bovine Serum Albumin (BSA) standard                          | Protein estimation                      |
| 14      |                                           | Gallic acid standard                                         | Phenol estimation                       |
| 15      | Plant Ash Analysis                        | Concentrated Hydrochloric Acid (HCl)                         | Plant ash digestion                     |
| 16      |                                           | Concentrated Nitric Acid (HNO <sub>3</sub> )                 | Plant ash digestion                     |
| 17      |                                           | Barium chloride (BaCl <sub>2</sub> ) solution                | Sulphur detection                       |
| 18      |                                           | Ammonium oxalate solution                                    | Calcium detection                       |
| 19      |                                           | Ammonium hydroxide (NH <sub>4</sub> OH)                      | Calcium detection                       |
| 20      |                                           | Ammonium molybdate reagent                                   | Phosphorus detection                    |
| 21      |                                           | Potassium ferricyanide / Potassium thiocyanate (KSCN)        | Iron detection                          |
| 22      |                                           | Titan yellow / Magneson reagent                              | Magnesium detection                     |
| 23      | Fungal Workouts & Staining                | Lactophenol Cotton Blue (LPCB)                               | Fungal staining                         |
| 24      |                                           | Glycerin (50%)                                               | Mounting medium                         |
| 25      |                                           | Ethanol                                                      | Staining / preparation                  |
| 26      |                                           | Distilled water                                              | Preparation / dilution                  |

**B. Laboratory Glassware**

| Sl. No. | Category                   | Name of Glassware / Apparatus          | Specification / Size  |
|---------|----------------------------|----------------------------------------|-----------------------|
| 1       | General Test Apparatus     | Test tubes                             | Standard              |
| 2       |                            | Boiling tubes                          | Standard              |
| 3       |                            | Test tube racks                        | Standard              |
| 4       |                            | Test tube holders                      | Standard              |
| 5       | Containers & Flasks        | Beakers                                | 50 mL, 100 mL, 250 mL |
| 6       |                            | Conical flasks                         | 100 mL, 250 mL        |
| 7       |                            | Volumetric flasks                      | 50 mL, 100 mL         |
| 8       |                            | Reagent bottles                        | Amber & clear         |
| 9       | Volumetric Measuring Tools | Measuring cylinders                    | 10 mL, 50 mL, 100 mL  |
| 10      |                            | Graduated volumetric pipettes          | 1 mL, 5 mL, 10 mL     |
| 11      |                            | Micropipettes with tips                | Suitable range        |
| 12      | Microscopy & Filtration    | Glass microscope slides                | Standard              |
| 13      |                            | Cover slips                            | No. 1                 |
| 14      |                            | Watch glasses                          | Standard              |
| 15      |                            | Glass funnels                          | Standard              |
| 16      |                            | Glass stirrer rods                     | Standard              |
| 17      | Specialized Apparatus      | Wilmott's bubbler / Respirometer tubes | Standard              |
| 18      |                            | Silica / Porcelain crucibles with lids | For ash preparation   |

### ***C. Instruments & Laboratory Equipment***

| <b>Sl. No.</b> | <b>Category</b>                 | <b>Name of Instrument / Equipment</b>  | <b>Specification / Use</b>      |
|----------------|---------------------------------|----------------------------------------|---------------------------------|
| 1              | Photometric & Analytical Tools  | Spectrophotometer / Colorimeter        | Biochemical estimation          |
| 2              |                                 | Quartz and glass cuvettes              | For spectrophotometric analysis |
| 3              |                                 | Digital analytical balance             | 0.001 g precision               |
| 4              | Thermal & Heating Equipment     | Muffle furnace                         | 550°C–600°C                     |
| 5              |                                 | Thermostatically controlled water bath | Laboratory use                  |
| 6              |                                 | Electric hot plate / Heating mantle    | Heating                         |
| 7              | Microscopy & Micrometry         | Compound light microscope              | Standard                        |
| 8              |                                 | Ocular micrometer                      | Eyepiece reticle                |
| 9              |                                 | Stage micrometer                       | Calibration / micrometry        |
| 10             | Preparation Tools & Accessories | Razor blades / Microtome blades        | Section preparation             |
| 11             |                                 | Fine dissecting needles                | Dissection / preparation        |
| 12             |                                 | Forceps                                | Specimen handling               |
| 13             |                                 | Camel hair brushes                     | Slide preparation               |
| 14             |                                 | Droppers                               | Liquid transfer                 |
| 15             |                                 | Whatman No. 1 filter papers            | Filtration                      |
| 16             |                                 | Glass desiccator                       | Drying / storage                |

### ***D. Required Biological & Plant Samples***

| <b>Sl. No.</b> | <b>Category</b>                 | <b>Biological / Plant Sample</b>       | <b>Purpose / Use</b>                    |
|----------------|---------------------------------|----------------------------------------|-----------------------------------------|
| 1              | Plant Physiology / Biochemistry | Rhoeo discolor leaves                  | Plasmolysis experiment                  |
| 2              |                                 | Potato tubers / Beetroot discs         | Osmotic / physiological studies         |
| 3              |                                 | Hydrilla / Elodea twigs                | Photosynthesis experiment               |
| 4              |                                 | Germinating seeds / Fresh leafy tissue | Respiration / biochemical studies       |
| 5              | Fungal Specimens                | Rhizopus / Mucor                       | Bread mould cultures                    |
| 6              |                                 | Ascobolus                              | Fungal study                            |
| 7              |                                 | Puccinia                               | Infected wheat leaf / stem rust samples |
| 8              |                                 | Agaricus                               | Fruiting body specimens                 |

**Quotation for Lab. Equipments, Chemicals, etc (Botany: Phase-II)****A. Chemicals & Reagents**

| Sl. No. | Particulars                         | Purpose/Use                                                         |
|---------|-------------------------------------|---------------------------------------------------------------------|
| 1       | Safranin O                          | Staining lignified tissues such as xylem and sclerenchyma           |
| 2       | Fast Green FCF                      | Counterstaining non-lignified tissues such as phloem and parenchyma |
| 3       | Cotton Blue / Aniline Blue          | Mounting algal, pteridophytic and fungal structures                 |
| 4       | Iodine Solution                     | Detection of pyrenoids/starch                                       |
| 5       | Jeffrey's Macerating Fluid          | Isolation of xylem vessels                                          |
| 6       | Schultze's Mixture                  | Maceration and isolation of xylem elements                          |
| 7       | Formalin-Aceto-Alcohol (FAA)        | Fixation and preservation of plant specimens                        |
| 8       | 70% Ethanol                         | Fixation/preservation of specimens                                  |
| 9       | Glacial Acetic Acid                 | Fixation and preparation of reagents                                |
| 10      | Hydrochloric Acid (HCl)             | Laboratory preparations and tissue treatment                        |
| 11      | Potassium Hydroxide (KOH)           | Clearing and tissue treatment                                       |
| 12      | Chloral Hydrate Solution            | Clearing of plant tissues                                           |
| 13      | Clove Oil                           | Clearing agent                                                      |
| 14      | Ethanol – 30%, 50%, 70%, 90% & 100% | Dehydration of plant material                                       |
| 15      | Absolute Alcohol                    | Dehydration                                                         |
| 16      | DPX Mounting Medium                 | Permanent slide preparation                                         |
| 17      | Xylene                              | Clearing and mounting                                               |
| 18      | Glycerin / Glycerin Jelly           | Temporary mounting of specimens                                     |

**B. Laboratory Glassware**

| Sl. No. | Particulars                         |
|---------|-------------------------------------|
| 1       | High-grade Glass Microscope Slides  |
| 2       | Cover Slips – No. 1, Round/Square   |
| 3       | Cavity Slides                       |
| 4       | Petri Dishes – Small & Medium       |
| 5       | Watch Glasses                       |
| 6       | Coplin Jars / Staining Jars         |
| 7       | Dropper Bottles                     |
| 8       | Beakers – 50 mL, 100 mL & 250 mL    |
| 9       | Conical Flasks – 100 mL & 250 mL    |
| 10      | Measuring Cylinders – 10 mL & 50 mL |
| 11      | Test Tubes                          |
| 12      | Test Tube Racks                     |
| 13      | Glass Stirrer Rods                  |
| 14      | Glass Funnels                       |

**C. Instruments & Laboratory Equipment**

| Sl. No. | Particulars                                                           | Purpose/Use                                |
|---------|-----------------------------------------------------------------------|--------------------------------------------|
| 1       | Compound Light Microscopes with 10× Eyepiece and 10× & 40× Objectives | Microscopic study of specimens             |
| 2       | Stereomicroscopes / Dissecting Microscopes                            | Study and dissection of specimens          |
| 3       | Camera Lucida – Prism/Mirror Type                                     | Drawing and determination of magnification |
| 4       | Stage Micrometer                                                      | Calibration of microscope                  |
| 5       | Ocular Micrometer                                                     | Measurement and calibration                |
| 6       | Water Bath / Thermostatically Controlled Hot Plate                    | Xylem vessel maceration                    |
| 7       | Single-edge Razor Blades / Microtome Blades                           | Sectioning of plant material               |

|    |                                             |                             |
|----|---------------------------------------------|-----------------------------|
| 8  | Fine Dissecting Forceps – Straight & Curved | Dissection                  |
| 9  | Dissecting Needles                          | Dissection and manipulation |
| 10 | Scalpels                                    | Sectioning and dissection   |
| 11 | Fine Camel Hair Brushes – No. 0 & No. 1     | Handling sections/specimens |
| 12 | Plant Press                                 | Herbarium preparation       |
| 13 | Blotting Paper                              | Herbarium preparation       |
| 14 | Standard Herbarium Sheets                   | Herbarium preparation       |

#### ***D. Biological Specimens Required***

| <b>Sl. No.</b> | <b>Category</b>            | <b>Specimens</b>                                                                                            |
|----------------|----------------------------|-------------------------------------------------------------------------------------------------------------|
| 1              | Algal Specimens            | <i>Oedogonium, Vaucheria, Ectocarpus, Polysiphonia</i>                                                      |
| 2              | Pteridophyte Specimens     | Reproductive structures/Sori/Sporocarps of <i>Marsilea, Drynaria, Adiantum, Lygodium</i>                    |
| 3              | Anomalous Secondary Growth | Stem sections of <i>Boerhavia, Bignonia, Chenopodium, Nyctanthes</i>                                        |
| 4              | Angiosperm Specimens       | Fresh flowering plants belonging to Solanaceae, Malvaceae, Rubiaceae, Asteraceae, Lamiaceae and Acanthaceae |

**Quotation for Lab. Equipments, Chemicals, etc (Zoology: Phase-I)**

| Sl no | items                                            | Brand name | Model no/CAS | Quantity(Approx.) |
|-------|--------------------------------------------------|------------|--------------|-------------------|
| 1     | Compound Microscope Pointer Eye Piece (10X Zoom) | NA         | NA           | 10                |

**Quotation for Lab. Equipments, Chemicals, etc (Zoology: Phase-II)**

| Sl no | items                                                                  | Brand name | Model no/CAS | Quantity(Approx.) |
|-------|------------------------------------------------------------------------|------------|--------------|-------------------|
| 1     | Plastic coplin jar                                                     | NA         | NA           | 10                |
| 2     | Ethyl alcohol                                                          | SRL        | 64-17-5      | 1 litre           |
| 3     | Slides specimen(mammalian liver, testis, kidney ,pancreas and thyroid) |            |              |                   |
| 4     | Chromatography paper-1                                                 | WHATMAN    |              | 100sheets         |
| 5     | Micropipette100-1000micro litre                                        | TARSONS    |              | 1                 |
| 6     | Rotary Microtome Machine                                               | LABGO      |              | 1                 |
| 7     | Centrifuge machine                                                     | REMI R-8K  |              | 1                 |
| 8     | Sulphuric acid (conc.)                                                 | SRL        |              | 500ml             |
| 9     | Hot air oven                                                           | REMI       |              | 1                 |
| 10    | Anti Sera ABD blood grouping reagent                                   |            |              | 2                 |
| 11    | CuSO <sub>4</sub>                                                      | SRL        |              | 500gm             |
| 12    | Burfoed reagent                                                        |            |              | 200ml             |
| 13    | Sodium carbonate anhydrous                                             | SRL        |              | 500gm             |
| 14    | Wax( melting point (52- 62°C)                                          |            |              | 1kg               |
| 15    | Distilled Choloroform                                                  |            |              | 500ML             |
| 16    | 0.5 M K <sub>2</sub> SO <sub>4</sub>                                   |            |              | 500ML             |
| 17    | Concentrated H <sub>3</sub> PO <sub>4</sub>                            |            |              | 500ML             |
| 18    | 0.005 Ferrous Ammonium Sulphate                                        |            |              |                   |
| 19    | 0.2 Normal K <sub>2</sub> CR <sub>2</sub> O <sub>7</sub>               |            |              | 500ML             |
| 20    | DPA Indicator                                                          |            |              | 50 Nos            |

**Quotation for Lab. Equipments, Chemicals, etc (Human Physiology: Phase-I)**

| SL No.    | ITEMS                                                      | QUANTITY                                  |  |
|-----------|------------------------------------------------------------|-------------------------------------------|--|
| Glassware |                                                            |                                           |  |
| 1.        | Glass rod(5-8mm diameter,length-100-400mm)                 | Quote for each item for 1 set/Single Item |  |
| 2.        | Capillarytube(diameter .8-1mm,length-100mm)                |                                           |  |
| 3.        | Volumetricpipette(5ml, 10ml,50ml,)                         |                                           |  |
| 4.        | Spatula                                                    |                                           |  |
| 5.        | RedLitmuspaper                                             |                                           |  |
| 6.        | BlueLitmuspaper                                            |                                           |  |
| 7.        | Filterpaper                                                |                                           |  |
| 8.        | Cotton                                                     |                                           |  |
| Machines  |                                                            |                                           |  |
| 9.        | Handgripdynamometer (DIGITAL) MAX 90KG/198lb, D=100g/0.2lb |                                           |  |
| 10.       | Peakflow meter                                             |                                           |  |
| Chemicals |                                                            |                                           |  |
| 11.       | Glucose                                                    |                                           |  |
| 12.       | Bilesalt                                                   |                                           |  |
| 13.       | Albumin                                                    |                                           |  |
| 14.       | Lacticacid                                                 |                                           |  |
| 15.       | Uricacid                                                   |                                           |  |
| 16.       | Gelatin                                                    |                                           |  |
| 17.       | Peptone                                                    |                                           |  |
| 18.       | Dextrin                                                    |                                           |  |
| 19.       | Starch                                                     |                                           |  |
| 20.       | Lactose                                                    |                                           |  |
| 21.       | Maltose                                                    |                                           |  |
| 22.       | Sucrose                                                    |                                           |  |
| 23.       | Acetone                                                    |                                           |  |
| 24.       | Fructose                                                   |                                           |  |
| 25.       | Galactose                                                  |                                           |  |
| 26.       | Urea                                                       |                                           |  |
| 27.       | Glycerol                                                   |                                           |  |
| 28.       | AgNo3                                                      |                                           |  |
| 29.       | Uffelman'sreagent                                          |                                           |  |
| 30.       | Na2CO3                                                     |                                           |  |
| 31.       | Phosphotundsticacid                                        |                                           |  |
| 32.       | Folin'sreagent                                             |                                           |  |
| 33.       | Millon'sreagent                                            |                                           |  |
| 34.       | Benedictreagent                                            |                                           |  |

## Annexure-F2

### Quotation for Lab. Equipments, Chemicals, etc (Human Physiology: Phase-II)

| Sl. no. | Item with specification                                                                                                     | Quantity(Approx.) |
|---------|-----------------------------------------------------------------------------------------------------------------------------|-------------------|
| 1.      | <ul style="list-style-type: none"> <li><b>Glassware:</b></li> <li>Glass rod (5–8 mm diameter, length 100–400 mm)</li> </ul> | 30                |
|         | •Capillary tube (diameter 8–1 mm, length 100 mm)                                                                            | 3 packet          |
|         | •Volumetric pipette (5 mL, 10 mL, 50 mL)                                                                                    | 10 each           |
|         | •Spatula                                                                                                                    | 20                |
|         | •Red litmus paper                                                                                                           | 3 packet          |
|         | •Blue litmus paper                                                                                                          | 3 packets         |
|         | •Filter paper                                                                                                               | 5packet           |
|         | •Cotton                                                                                                                     | 5packet           |
| 2.      | <ul style="list-style-type: none"> <li><b>Machines:</b></li> <li>Handgrip dynamometer digital</li> </ul>                    | 1                 |
|         | •Peak flow meter                                                                                                            | 1                 |
| 3.      | <ul style="list-style-type: none"> <li><b>Chemicals:</b></li> </ul>                                                         |                   |
|         | •Anti – ABD Blood grouping reagent kit                                                                                      | 2                 |
|         | •Glucose                                                                                                                    | 500 gm            |
|         | •Bile salt                                                                                                                  | 100gm             |
|         | •Albumin<br>500gm                                                                                                           |                   |
|         | •Lactic acid                                                                                                                | 500gm             |
|         | •Uric acid                                                                                                                  | 25gm              |
|         | •Gelatine                                                                                                                   | 500gm             |
|         | •Peptone                                                                                                                    | 500gm             |
|         | •Dextrin                                                                                                                    | 500gm             |
|         | •Starch                                                                                                                     | 500gm             |
|         | •Lactose                                                                                                                    | 500gm             |
|         | •Maltose                                                                                                                    | 100gm             |
|         | •Sucrose                                                                                                                    | 500gm             |
|         | •Acetone                                                                                                                    | 500gm             |
|         | •Fructose                                                                                                                   | 100gm             |
|         | •Galactose                                                                                                                  | 25gm              |
|         | • Urea                                                                                                                      | 500gm             |
|         | • Glycerol                                                                                                                  | 500gm             |
|         | • AgNO <sub>3</sub>                                                                                                         | 10gm              |
|         | • Uffelmann's reagent                                                                                                       | 500ml             |
|         | • Na <sub>2</sub> CO <sub>3</sub>                                                                                           | 500gm             |

|    |                                                                                                                                                                                                                                                                                                                                                                                                      |        |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
|    | • Phosphotungstic acid                                                                                                                                                                                                                                                                                                                                                                               | 100gm  |
|    | • Folin's reagent                                                                                                                                                                                                                                                                                                                                                                                    | 500ml  |
|    | • Millon's reagents                                                                                                                                                                                                                                                                                                                                                                                  | 125ml  |
|    | • Benedict reagent(quantitative)                                                                                                                                                                                                                                                                                                                                                                     | 500ml  |
|    | • Barfoed reagent                                                                                                                                                                                                                                                                                                                                                                                    | 250ml  |
|    | • Saliwanof reagent                                                                                                                                                                                                                                                                                                                                                                                  | 125ml  |
|    | • Sodium hypobromide                                                                                                                                                                                                                                                                                                                                                                                 | 100ml  |
|    | • Diazanium sulphate                                                                                                                                                                                                                                                                                                                                                                                 | 100gm  |
|    | • Sulphur powder/dust                                                                                                                                                                                                                                                                                                                                                                                | 500gm  |
|    | • Tannic acid NaOH                                                                                                                                                                                                                                                                                                                                                                                   | 100gm  |
|    | • CuSO <sub>4</sub>                                                                                                                                                                                                                                                                                                                                                                                  | 500gm  |
|    | • Borax                                                                                                                                                                                                                                                                                                                                                                                              | 500gm  |
|    | • Phenolphthalein                                                                                                                                                                                                                                                                                                                                                                                    | 125ml  |
|    | • Potassium bisulphate                                                                                                                                                                                                                                                                                                                                                                               | 500gm  |
| 4. | • <b>Permanent slide(histology)</b>                                                                                                                                                                                                                                                                                                                                                                  |        |
|    | <ul style="list-style-type: none"> <li>• Eosinophagus</li> <li>• Deudenum</li> <li>• Ileum</li> <li>• Stomach</li> <li>• Urethra</li> <li>• Ureter</li> <li>• Urinary bladder</li> <li>• Skin</li> <li>• Kidney</li> <li>• Thyroid</li> <li>• Adrenal gland</li> <li>• Testis</li> <li>• Uterus</li> <li>• Sperm</li> <li>• Cerebellum</li> <li>• Cerebrum</li> <li>• Pancreas</li> <li>•</li> </ul> | 3 each |

## Quotation for Public Address System and water purifier

| Water Purifier        |                       |                                                                                                                                                                                                                             |                                                                      |
|-----------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| Sl no                 | Item                  | Specification & Warranty service                                                                                                                                                                                            | Remarks                                                              |
| 01                    | RO Water purifier     | RO+UF+UV+TDS control; purification rate- at least 20L/hr; Free Service: at least 4 years                                                                                                                                    | Compatible with Blue star/Usha water cooler, without water reservoir |
| Public Address System |                       |                                                                                                                                                                                                                             |                                                                      |
| 01                    | Public Address system | Portable, Audio output- 20W, Wireless range- at least 20 m in free space ideal bar big class room. Max. Modulation- 45dB, Faculty for recharging, etc. Make- Preferably AHUJA                                               | For Class room teaching                                              |
| 02                    | Public Address system | Plastic moulded cabinet with Trolley System, Audio output- 20W, Wireless range- at least 20 m in free space ideal for big class room/Auditorium. Max. Modulation- 45dB Facility for recharging, etc. Make- Preferably AHUJA |                                                                      |

**FORMAT FOR SUBMISSION OF QUOTATIONS**

1. QUOTATIONS TO BE SUBMITTED PREFERABLY IN THE LETTER PAD OF THE MANUFACTURERS/ VENDER/ SUPPLIERS/SERVICE PROVIDER
2. PLEASE MENTION OUR REF/ NOTIFICATION NO. WITH DATE
3. VENDER/ SUPPLIER REF NO./ QUOTATION NO. WITH DATE SHOULD BE MENTIONED
4. PLEASE SUBMIT IN TABULAR FORM CITED BELOW

| SL NO. | ITEM/ARTICLE NAME | MODEL, MAKE & SPECIFICATION | RATE<br>(In INR) | GST/ANY OTHER TAX | CARRYING/INSTOLLATION /DEMONSTRATION CHARGE(S), ETC (IF ANY) | GRAND TOTAL<br>(In Rs.)<br>(4+5+6) |
|--------|-------------------|-----------------------------|------------------|-------------------|--------------------------------------------------------------|------------------------------------|
| (1)    | (2)               | (3)                         | (4)              | (5)               | (6)                                                          | (7)                                |
| 1      |                   |                             |                  |                   |                                                              |                                    |
| 2      |                   |                             |                  |                   |                                                              |                                    |
| 3      |                   |                             |                  |                   |                                                              |                                    |
| ⋮      |                   |                             |                  |                   |                                                              |                                    |

5. TERMS AND CONDITIONS/ VALIDITY, ETC
6. DISCOUNT/REBATE(IF ANY) MAY BE MENTIONED IN A SEPARATE COLOUMN  
**N.B :** COMPARISON WILL BE MADE ON GRAND TOTAL AMOUNT ONLY AND THE PROCESS REGARDING PHASE-II WILL BE INITIATED SUBJECT TO THE AVAILABILITY OF FUND.



# AMBEDKAR COLLEGE

A Govt. Degree College Affiliated to Tripura University  
(UGC 2f & 12B recognized)

Fatikroy, Unakoti, Tripura - 799290

Email: principalacfr@gmail.com Ph: 03824-295295/9366891642

webpage: www.actripura.edu.in



CGPA-2.69 (2nd Cycle)

## NOTIFICATION

### **Corrigendum to Notification**

No.F.3(27)/AC/FR/Accounts/Quotation/2023/

Dated : Fatikroy, the 14<sup>th</sup> September, 2026

Sealed Quotations are invited from the interested "Authorized manufactures/dealers/suppliers" of India for procurement of Laboratory Equipments, Chemicals etc. for different science departments of this Institution. Details of the equipment/articles/chemicals with specification and terms & conditions are available at our College website [www.actripura.edu.in](http://www.actripura.edu.in) and notice board. Last date of receipt of complete quotation is 19<sup>th</sup> September, 2026 (4pm) and the same will be opened on 21<sup>st</sup> September 2026 at 11:00 AM in presence of the bidders / authorized representatives who are willing to remain present at the time of opening due to the reschedule of Bishwakarma Puja on 18.09.2026 (Friday) instead of 17.09.2026 (Thursday) as per Directorate of Higher Education, Government of Tripura vide letter NO.F.2(528)-DHE/UDCA/2007/3392 dated 11/09/2026 and all others remain the same.

**Bidding Fee : Rs.500/- (Non-refundable in favour of the Principal, Ambedkar College, Fatikroy)**

Authorized manufactures/ dealers/ suppliers/service provider are requested to submit quotations in the prescribed format if applicable only enclosed herewith (*Annexure-I*) addressed to the Principal, Ambedkar College, Fatikroy, Unakokoti, Pin-799290 and sealed cover should be super-scribed as "QUOTATION",

*Das* 14/9/26

Dr. Raghunandan Das  
Principal  
Ambedkar College, Fatikroy  
Unakoti, Tripura

Copy to -

1. The Director, Dept. of Information & Cultural Affairs, Govt. of Tripura for information and request for a single insertion in the local dailies.
2. Establishment Section
3. Convener, College website for uploading
4. Notice Board
5. Office file

Dr. Raghunandan Das  
Principal  
Ambedkar College  
Fatikroy, Unakoti Tripura-799290