

LARAMBHA COLLEGE, LARAMBHA
DIST-BARGARH, (ODISHA), 768102

No.

Date:26-02-2018

TENDER/QUOTATION CALL NOTICE

Sealed Tenders / Quotations are invited from registered and reputed manufacturers/ EPM Rate Contractors and firms having DGS&D R.C / suppliers having valid TIN/SRIN with latest GST Clearance Certificate for supply of scientific equipment and laboratory infrastructure.

The sealed tenders must reach the undersigned on or before 08.03.2018 by 5.00 P.M.

For details visit the college website (www.larambhacollege.org)

The authority reserve the right to reject / cancel any or all quotations without assigning any reason thereof.

For related query

Contact: **Dhaneswar Meher, Reader in Physics**

Mob: 9556001632

Sd/-Principal
Larambha College

LARAMBHA COLLEGE, LARAMBHA
REQUIREMENT OF INSTRUMENT & APPARATUS FOR DIFFERENT DEPARTMENT

(A) Department of Chemistry

- 1 Calorie Meter (Omega)
- 2 Pen P^H meter
- 3 Stalagmometer for surface tension
- 4 Specific gravity bottle
- 5 Weighting bottle
- 6 Ostwald's Viscometer

(B) Department of Zoology

1. COD Digester
2. Electrophoresis Apparatus
3. Chromatography Tough for Cabinet
4. BOD incubator
5. Magnetic Stirrer
6. Hot Plate (2 Nos)
7. Students Microscope (6 nos)

(C) Department of Physics

1. Experimental setup for work function of material of filament heated vacuum tube.
2. Experimental setup for tunneling effect in tunnel diode.
3. Colpit oscillator using op-Amp.
4. Phase-shift oscillator using BJT.
5. Op-Amp as integrator.
6. Inverting Amplifier using Op-Amp (741, 351) for DC voltage.
7. Owen's Bridge oscillator using op-Amp.
8. Stefen's Constant experiment.
9. Experimental set up for V~I characteristic using P-N junction and LED.
10. Digital Multimeter.

(D) Department of Botany

1. Soil Thermometer (Luster Leaf 1625)
2. Maximum Minimum Thermometer (Zeal)
3. Digital Hygrometer (Metravi HTC 3004/C)
4. Rain Gauge
5. Small Shovel
6. Digital Lux Meter (Stanlay SDT 0018)
7. Haemocytometer
8. 300 ml BOT Bottle
9. Anemometer (Cup Model) J-Lab
10. Electric Burner
11. Dissection Box

LARAMBHA COLLEGE, LARAMBHA
INFRASTRUCTURE REQUIREMENT OF DIFFERENT DEPARTMENTS

- **Department of Chemistry**
 1. Experiment Table (Chemistry)
 2. Godrej (Storage Purpose)
 3. Godrej (Rack / Glass Sliding)

- **Department of Zoology**
 1. Experiment Table (Zoology)
 2. Godrej (Storage Purpose)
 3. Godrej (Rack / Glass Sliding)

- **Department of Botany**
 1. Experiment Table (Botany)
 2. Godrej (Storage Purpose)
 3. Godrej (Rack / Glass Sliding)

- **Department of Physics**
 1. Experiment Table (Physics)
 2. Godrej (Storage Purpose)
 3. Godrej (Rack / Glass Sliding)

LARAMBHA COLLEGE, LARAMBHA
Requirement of Chemicals, Glassware & Models for Laboratory

(A) DEPARTMENT OF CHEMISTRY

- 1 Amino Acid
- 2 Methyl Acetate
- 3 Potassium Iodide
- 4 Ammonium Carbonate
- 5 Nitric Acid
- 6 Sulphuric Acid
- 7 Acetic Acid
- 8 Ammonia Solution
- 9 Barium Chloride
- 10 Zinc Carbonate
- 11 Sodium Nitrite
- 12 Lead Nitrate
- 13 Sodium Nitrate
- 14 Chromatography Paper
- 15 Chromic Acid
- 16 Acetone
- 17 Mohr's Salt
- 18 N-Phenyl anthranilic acid
Alanine, Glutamic Acid, Glycine, Leucine, Valine,
- 19 Lysine, Butanol-Propanol 201, Ninhydrin, Tyrosine,
Aspartic Acid
- 20 Test Tube (Ordinary)
- 21 Filter Paper (Ordinary)
- 22 Plastic Water Container (10 L)
- 23 Measuring Cylinder (Glass) 1 L
- 24 Water Trough (Glass)
- 25 Metallic Spatula

(B) DEPARTMENT OF ZOOLOGY

1. Tissue Paper
2. Aluminum Foil
3. Capillary Tube
4. Chromatography paper
5. Measuring Cylinder (1 dozen – 25 ml)
6. Measuring Cylinder (1 dozen – 50 ml)
7. Measuring Cylinder (1 dozen – 100 ml)
8. Chromatogram (Chromatography Chamber)
9. P^H Paper (10 dozen)
10. Buffer of P^H 4.0
11. Buffer of P^H 7.0
12. Buffer of P^H 9.2
13. Phenol
14. Butanol
15. Ninhydrin
16. Spray Agent
17. Staples and Stapler
18. Spraying Apparatus (atomizer)
19. Whatman's No. 1 Paper
20. Pistol – Motem
21. Glass rod
22. Ammonia
23. Propanol 2-01
24. Glycine
25. Tyrosine
26. Leusine
27. Aspartic Acid 1-5%
28. HCL
29. Manganese Sulphate
30. Alkali-Iodide-azide
31. Gas cylinder and all fittings of Bunsen Burner (2 set)
32. Round bottle flask – 12 nos
33. Cavity glass – 12 nos
34. Specimen Jar : 2 dozen
35. Dropping bottle : 4 dozen
36. Wash bottle: 2 dozen
37. Burette stand: 1 dozen
38. Test tube: 4 dozen
39. Tough: 6 nos
40. Test tube stand (6 piece)
41. Dissecting box: 4 nos
- **CHART**
 1. Mitosis in animal chart
 2. RNA Chart

3. Life cycle of *Fasciola hepatica*
 4. Life cycle of *Tanea Solium*
 5. *Ascaris lumbricoids*
 6. Scale of fishes
 7. Feather of birds
 8. DNA replication
 9. Transcription
 10. Split gene
- } **MODELS**

• **MUSEUM SPECIMEN**

1. *Obelia*
2. *Physelia*
3. *Millepora*
4. *Corallium*
5. *Fungia*
6. *Meandrina*
7. *Cestum*
8. *Coeloplana*
9. *Amoeba*
10. *Hydra*
11. *Sycon*
12. *Sabella*
13. *Serpula*
14. *Chaetopterus*
15. *Termites*
16. *Ostrea*
17. *Nustilus*
18. *Antedon*
19. *Gorgonian*
20. *Pentaceros*
21. *Branchiostoma*
22. *Myxine*
23. Carapace of Turtle
24. Plastron of Turtle
25. Mammalian skull (herbivorous and carnivorous)

• **SLIDE**

1. Squamous cpithelium
2. Muscle fibre
3. Mammalian blood film
4. Artery and vein of mamal (T.S)
5. Ring worm
6. Strited muscle fibre
7. Nerve cells
8. Mammalian skin
9. Cartilage bones
10. Spinal cord
11. Pituitary

12. Pancreas
13. Adrenal gland
14. Thyroid gland
15. Parathyroid gland
16. Section of mammalian
17. Oesophagus
18. Duodenum
19. Rectum
20. Ileum
21. Liver
22. Trachea
23. Lung
24. Polytene chromosome
25. Section of cleavage stages of frog Neurula
26. Tail-bud-stage
27. External and internal gills stage of tadpole
28. Different section of placenta
29. Spleen
30. Thymus 30 lymph node
31. Neuron of mammals
32. *Sitophilus oryzae*
33. *Trogoderma granarium*
34. *Callosobruchus chinensis*
35. *Tribolium castaneum*

• **MOUNTING SPECIMEN**

1. Cyclops (6 tube each)
2. Daphnia (6 tube each)
3. Zoea (6 tube each)
4. Mysis (6 tube each)

(C) DEPARTMENT OF BOTANY

1. Acetone, 500 ml
2. Ethanol, 500 ml
3. Formaldehyde, 500 ml
4. Glass Slide, 10 box
5. Slide Cover, 10 box
6. Canada Balsam, 500
7. HCl, 500 ml
8. NaOH, 500 ml
9. BaCl₂, 500 ml
10. Ammonium Thiocyanate, 500 ml
11. Hydrogen Peroxide, 500 ml
12. Potassium dichromate, 500 ml
13. Ferrous ammonium sulphate, 500 ml
14. Sulphuric Acid, 500 ml
15. Phosphoric Acid, 500 ml
16. Sodium fluoride, 500 ml
17. Diphenylamine, 500 ml
18. Cylinder infiltrometer
19. Manganese Sulphate, 500 ml
20. Alkali Sodium Solution, 500 ml
21. Starch Indicator, 500 ml
22. Round bottom flask
23. Test tube
24. Conical flask
25. Burette
26. Stand
27. Petriplates