

**Office of the Principal, Model Degree College, Rayagada**

AT- Amlabhata, Po- Penta, Dist- Rayagada (Odisha) Pin- 765017

Contact No: 7008779251, E-mail – [mdcrayagada@gmail.com](mailto:mdcrayagada@gmail.com)

Website: [www.mdcrayagada.org.in](http://www.mdcrayagada.org.in)



No 149 /MDC.

Date 12.02.2024

To

The Officer In-charge,  
NIC, Centre,  
Rayagada District Portal.

Sub: Request for advertisement in Dist. Portal.

Sir,

Please publish the quotation call notice for the purchase of items for Model Degree College, Rayagada in your Dist. Portal.

Encl: as stated

Yours faithfully

Principal  
Model Degree College  
Rayagada

**TENDER CALL NOTICE**

Sealed tenders are invited from reputed Manufacturers/ Authorized Dealers having valid up-to-date GST/IT clearance for supply of equipments, chemicals, permanent slides, histological slides, specimen developmental stage slides, paper chromatography, PH tablet and buffer capsules of reputed make for the Departments of Physics, Chemistry, Botany, Zoology and Anthropology of this institution. The last date of submission of tender for equipments and others is ***Dt:22.02.2024*** by registered post and speed post only. The date of opening of the tender will be ***Dt:22.02.2024 at 4.30 P.M*** . Tender incomplete in any respect as per the terms & conditions mentioned in the tender Call notice shall be summarily rejected. The authority reserves the right to reject any or all quotations without assigning any reason thereof. For details visit the college website.

Principal  
Model Degree College,  
Rayagada

**(1) Schedule: -**

Last date & time for submission of Bids	-Dt. 22.04.2024
Date & time of opening of Tender (Technical Bid)	- Dt. 22.04.2024 at 4.30 P.M
Date & time of opening of Tender (Financial Bid)	- Dt. 22.04.2024 at 4.30 P.M
Address for correspondence	-

The Principal  
Model Degree College  
At- Amlabhata, Po-Penta  
Dist- Rayagada  
Pin- 765107, Odisha

**(2) Bidding Procedure (Two Bid System): -**

- Technical bid consisting of all technical details along with Commercial terms & conditions.
- Financial bid indicating item wise price for the items mentioned in the technical bid.
- Technical bid & financial bid should be sealed in separate covers duly super- scribed as technical bid for supply & installation of Lab equipments.

Technical bid shall be opened at the first instance and evaluated by technical committee. At the second stage financial bids of only technically qualified bidders shall be opened for financial evaluation and ranking before awarding the contract.

**(3) Procedure for submission of two bids system: -**

Bid should be submitted item wise in two envelopes as mentioned below:

**Envelope-1 Technical bid duly signed should contain:**

- Application form (As per Annexure-1)
- Technical bid form (As per Annexure-II) duly filled
- Copies o of all self certificates/documents in support of technical bid.

**Envelope-2 Financial Bid duly sealed should contain:**

- financial bid form (As per Annexure-III) duly filled.
- (b)The supplier should quote the rate inclusive of all expenses, charges, taxes, duties, transportation, packing & forwarding, insurance etc.
- (c) The rate in both words and figures without any correction or overwriting should be quoted in financial bid.

**Envelope-3 (duly sealed) should contain:**

- (a) Both Envelop 1 & 2.
- (b) Tender Notice for purchase of laboratory equipments.
- (c) Name & Address, of the Bidder.
- (d) Self attested copy of GST registration.
- (e) Self attested of PAN Card.
- (f) Self declaration for not black listed. (As per Annexure-IV)
- (g) Self attested copy of Bank details.

**(4) General Terms & Conditions.**

1. Firms/ Suppliers/ Manufactures/ Distributors/ Authorized dealers must have valid GST/ Service Tax registration/ PAN with proven track record for supply of Laboratory equipment.
2. Suppliers should send their tender through Registered Post/ Speed Post only. No other mode will be accepted.
3. The College is not responsible for non receipt of tender within specified date and time due to any reason including postal delay on holidays.
4. Bids submitted without supporting documents, bare or incomplete in any aspect is liable for rejection.
5. The bidders should sign on each page of the tender and submit self attested copies of the required documents.
6. Any delay in the supply and installation of the items within the specified period, the concerned firms/suppliers shall be held responsible and the authority reserves the right to cancel the order.
7. The quantity mentioned in the list of the items may be increased or decreased upon the availability of funds.
8. Quoting merely the lowest price doesn't confer the right to any bidder for the award of supply order. The Purchase Committee reserves the right to select the item of any bid on the grounds of specification compliance, technologically advanced quality, proven performance track record, brand reputation, service backup support and training, offer of additional Features, and any other relevant features and the authority.
9. Each item should be strictly as per the specification. The College reserves the right to reject the item in case any deviation from the desired norm.

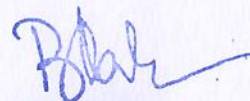
10. Installation and successful demonstration of the item in the respective room is obligatory and it should be free of cost at college.
11. If any item covered under warranty fails, the same shall be replaced free of cost including all the applicable charges including transport cost both ways.
12. The complete delivery of goods, installation and commissioning of the items should be met within 15 days from the date of issue of purchase order.
13. All the quoted items should be latest technology along with ISO-9000 and ISO-14001 certified company with due credits to energy conservation and green earth compliance (copy of the certificate should be provided).
14. The total amount of the item should be inclusive of all taxes and statutory levies, labour, installation charges, packing, insurance, freight etc.
15. The item included in the list is tentative and may not be procured while ordering which is the sole discretion of Principal, Model Degree College, Rayagada.
16. The successful bidder with quoted price as approved by the College shall be considered for issue of purchase order only when the bidder fulfils all the terms and conditions laid down in tender documents.
17. All the tenders will be evaluated and compared on the basis of the following order.

- a. Compliance with instructions / General conditions of the tender.
- b. Conformity with specifications.
- c. Proof of Identity.
- d. Delivery Period.
- e. Guarantee/Warranty/Expiry Period.
- f. Quality.
- g. Price.
- h. Past experience.
- i. Authorization letter from manufacturer.

18. Following documents should accompany with tender.

- a. Tender application along with Annexure- I to IV duly completed & signed.
- b. Specifications and rate as per our format
- c. Self Attested Copy of GST/registration.
- d. Self Attested Copy of PAN Card.
- e. Self declaration for not black listed.
- f. Authorization letter from manufacturer.
- g. Self Attested Copy of Bank details / Cancelled Cheque.

19. The vender shall adhere to the time line provided by the College.
20. In the event of only loss, damage, breakage or leakage or any shortage, the bidder shall be liable to make good such loss and shortage found at the checking / inspection of the supplied instrument. No extra cost on such account shall be admissible.
21. Any dispute arising out of the transaction shall be subjected to the jurisdiction of Rayagada Court only.
22. Any corrections / corrigendum will be given in our Official website i.e. [www.mdcrayagada.org.in](http://www.mdcrayagada.org.in). Please visit College website regularly for any information/ update.
23. The authority reserves the right to accept or reject the tenders in whole or part without assigning any reasons thereof.



PRINCIPAL  
MODEL DEGREE COLLEGE  
RAYAGADA

Model Degree College, Rayagada

## BOTANY LABORATORY REQUIREMENTS

### EQUIPMENTS

01. Bio-rad LAMINAR AIR FLOW- 01
02. EPPENDROP U.V. SPECTROMETER - 01
03. LG REFRIGIRATOR - 01
04. TARSON MICROPIPETE (10 MICROLITERS) - 01
05. TARSON MICROPIPETE (20 MICROLITERS) - 01
06. TARSON MICROPIPETE (100 MICROLITERS) - 01
07. TARSON MICROPIPETE (1000 MICROLITERS) - 01
08. Bio-rad AGAROSE GEL-ELECTROPHORESIS - 01
09. Bio-rad S.D.S. GEL-ELECTROPHORESIS - 01
10. Bio-rad UV IUNINATOR- 01
11. Bio-rad HAEMOCYTOMETER - 05
12. PAPER CHROMATOGRAPHY CHAMBER - 05
13. Himedia T. L. C. PLATE - 05
14. HI3817 WATER ANALYSIS KIT - 01
15. LS instruments HOT AIR OVEN - 01
16. Blank Glass Slide - 50 Pockets (Borosil Standard Slide)
17. Cover Slip - 50 Pockets (Borosil Cover Slip)
18. PETRIPLATE - 20 (Borosil)
19. Mortar and Pestle - 10 Pecs (8 x 4 x 4 Centimetres) (Borosil)
20. Tarson TEST TUBE HOLDER (25 CM) - 20 SETS
21. Whitman FILTER PAPER - 10 POCKETS
22. TISSUE PAPER - 20 POCKETS
23. NON- ABSORBANCE BROWN COLOUR PAPER - 20 POCKETS

## CHEMICALS

01. METHANOL (Himedia)
02. ETHANOL (Himedia)
03. ACETONE (Himedia)
04. PETROLEUM ETHER(Himedia)
05. CHLOROFORM(Himedia)
06. SAFRANIN (Himedia)
07. HYDROCLORIC ACID (Himedia)
08. SOLFURIC ACID (Himedia)
09. DAPI STAIN (Himedia)
10. IODINE (Himedia)
11. SODIUM CLORIDE (Himedia)
12. AGAR AGAR (Himedia)
13. CALCIUM CHLORIDE (Himedia)
14. ALUMINIUM CHLORIDE(Himedia)
15. SODIUM DIDROSIDE (Himedia)
16. FERRUS SOLPHATE (Himedia)
17. MAGNESIUM CHLORIDE(Himedia)
18. POTASSIUM DICROMATE (Himedia)
19. BORIC ACID (Himedia)
20. MANGANAGE CHLORIDE (Himedia)
21. ZINC SOLPHATE (Himedia)
22. SODIUM MOLYBDENUM (Himedia)
23. COBALT NITRATE (Himedia)
24. DIPOTASIUM PHOSPHATE (Himedia)
25. POTASIUM DIHYDROGEN PHOSPHATE (Himedia)

26. DISODIUM PHOSPHATE (Himedia)
27. SODIUM DIHYDROGEN PHOSPHATE (Himedia)
28. SODIUM CARBONATE (Himedia)
29. CITRIC ACID (Himedia)
30. FERIC AMONIA CITRATE (Himedia)
31. SODIUM NITRATE (Himedia)
32. BACTERIOLOGICAL AGAR (Himedia)
33. CYNOPHYSICAL AGAR (Himedia)
34. GLOCOGE (Himedia)
35. FRUCTOSE (Himedia)
36. SUCROGE (Himedia)
37. GALACTOSE (Himedia)
38. SODIUM MOLEDEDRATE DIHYDRATE (Himedia)
39. FeEdTA (Himedia)
40. EdTA (Himedia)

### PERMANENT SLIDES

01. **Virus** : T-Phage, TMV, Lytic Cycle and Lysogenic Cycle
02. **Bacteria** : Bacterial Root Nodules, Types (Rod, Spiral, Comma Shape) of bacteria and Bacteria Conjugation
03. **Xylem Tissue** : Tracheid, Vessel, xylem Parenchyma and Xylem fibres
04. **Phloem** : Sieve Tube Cell, Companion Cell, Phloem Parenchyma and Phloem Fibres
05. **Embryology** : Anatropous Ovule, Orthotropous Ovule, Circinitropous Ovule, Hemitropous Ovule, Campilotropous Ovule, Amphitropous Ovule, Tenuinucellate and Cassinucellate



## LABORATORY REQUIREMENTS in Chemistry

- \* 1. Volumetric flask (100ml=10pc,250ml=10pc,500ml=10pc)
- \* 2. Measuring cylinder(10ml,25ml,50ml,100ml,500ml)
- \* 3. Funnel(20pcs)
- \* 4. Glass rod
- \* 5. Filter paper
- \* 6. Litmus paper
- \* 7. Copper foil
- \* 8. Nichrome wire
- \* 9. PH Tablet
- \* 10. Wash bottle(10pcs)
- \* 11. China dish(20pcs)
- \* 12. Water bath(10pcs)
- \* 13. Stalagmo meter(20pcs)
- \* 14. Potassium Iodide
- \* 15. Methanol
- \* 16. Ferrous sulphate
- \* 17. Copper turning
- \* 18. Sodium acetate
- \* 19. Lead nitrate
- \* 20. Lead acetate
- \* 21. Potassium chromate
- \* 22. Acetyl chloride
- \* 23. Acetic anhydride
- \* 24. Benzoyl chloride
- \* 25. Ferric ammonium nitrate
- \* 26. Alpha Naphthol
- \* 27. Beta Naphthol
- \* 28. 2,4-Dinitro phenyl hydrazine
- \* 29. Hexamethylene Diamine
- \* 30. Zn dust
- \* 31. EDTA
- \* 32. Ethyl acetate
- \* 33. Benedict reagent
- \* 34. Methylene blue
- \* 35. Saliwanof's reagent
- \* 36. burette(20pcs)
- \* 37. burette stand(20pcs)
- \* 38. pipette(10ml=20pcs,25ml=20pcs)
- \* 39. pipette with pump(25ml=10pcs,50ml=10pcs)
- \* 40. capillary tube
- \* 41. test tube brush
- \* 42. wash bottle
- \* 43. rubber cork
- \* 44. buchner funnel(10pcs)

- \* 45.sodium oxalate
- \* 46.pottasium iodide(500gm)
- \* 47.ferrous sulphate
- \* 48.Ethanol
- \* 49.Ammonium Chloride
- \* 50.Ammonium Hydroxide
- \* 51.2,4-Dinitro phenyl hydrazine
- \* 52.calcium nitrate
- \* 53.Acetanilide
- \* 54.Starch
- \* 55.Benzoic Acid
- \* 56.Methyl acetate
- \* 57.Adipoyl Chloride
- \* 58.methylene Blue
- \* 59.Zn Dust
- \* 60.Adipic Acid
- \* 61.Distillation unit
- \* 62.Desiccator
- \* 63.Thermometer(up to 300degree celcius)
- \* 64.Reagent bottle(250ml,500ml,1ltr,5ltr)
- \* 65.Test tubes
- \* 66.wire gauge
- \* 67.Methanol
- \* 68.Spatula
- \* 69.Test tube holder
- \* 70.Tong
- \* 71.Sepparating Funnel

### PHYSICS LAB. EQUIPMENTS

1. Galvanometer
2. Connecting wires (5pair, Black and Red)
3. Power supply 1v-10voltage
4. Decimal resistance box or Fractional resistance box
5. Wheatstone Galvanometer
6. Thick copper strip
7. Rheostate
8. Two way plough key
9. Head phone/Audio frequency Oscillation
10. Bread board
11. Connecting leads
12. Ammeter
13. Mercury vapour lamp (5pcs)
14. Reading lamp
15. Magnifying glass
16. Plane convex lens
17. Plane glass plate
18. Drawing board and drawing pins, drawing white papers(2dozen)
19. Function generator(100-200mv)
20. Fractional resistance box(0.1 ohm-0.10ohm)
21. Eliminator (1v-10v)
22. Some transistors
23. ESR (i) Oscilloscope
  - a. (ii) Operating unit
  - b. (iii) Helmholtz coil
  - c. (iv) Resonate circuit operating unit
  - d. (v) Sample
  - e. (vi) Resonant coil
24. Quarter wave plate
25. 100 watt lamp(3pcs)
26. P-N Junction diode kit
27. Wollastons air film assembly
28. Glycerine
29. Sodium vapour lamp 35 watt(5pcs)
30. Sodium vapour lamp transformer 35watt (5pcs)
31. 300<sup>0</sup> C(10pc) Thermometer
32. Different masses (5gm,10gm,20gm,50gm,100gm)
33. Meter scale (4mt, 2pc)
34. Vernier callipers (5pc)
35. Slide callipers (5pc)
36. Spherometer (2pc)
37. Stop watch (4pc)

# ZOOLOGY LAB REQUIREMENTS

## **1. SPECIMEN :**

Scoliodon, Labeo rohita, Petromyzon, Myxine, Rabbit bones, Tubipora, Corallium, Meandrina,, Balanus, Bombyx, Peripatus, Cucumaria.

## **2. PERMANENT SLIDES:**

(W.M.) Euglena, Amoeba, Paramecium, Binary fission & conjugation in paramecium, T.S. of pharynx, gizzard, typhlosolar intestine of earthworm, Meiosis & Mitosis stages.

## **3. HISTOLOGICAL SLIDES:**

Testis, ovary, squamous epithelium, striated muscle fibres , nerve cell, pancreas, adrenal gland, T.S. of thyroid and parathyroid.

## **4. DEVELOPMENTAL STAGE SLIDES:**

- (W.M.) of frog developmental stages= Blastula, gastrula, neurula, tail-bud stage, tadpole.
- (W.M.) of chick developmental stages= Primitive streak(13 & 18 hrs.), 21, 24, 28, 33, 36, 48, 72, 96 hrs. of incubation.
- Different sections of placenta.

## **5. PAPER CHROMATOGRAPHY REQUIREMENTS:**

Whatman filter paper, Amino acid mixture, Capillary tube

## **6. pH Tablets- Acidic(4 pH), basic(9.2 or 9pH), Neutral(7 pH).**

## **7. Buffer capsule**

## **8. CHEMICALS REQUIREMENTS:**

Starch powder, NaCl, Methylene blue, Acetic acid(dilute), Acetocarmine, Dilute glycerine, Leishman's stain, Giemsa stain, Eosin and haematoxylene stain(solution).

**ANTHROPOLOGY LABORATORY EQUIPMENT**

SL.NO	EQUIPMENT	Quantity	DESCRIPTION
1	Refrigerator	1	
2	Skull	16	Extremely detailed & premium skull model, land marks must be numbered with extreme precision. Details like fissures, sutures must be highlighted (preferably Myaskro company)
3	Mustard seed bags for skull	16	
4	Martin Anthropometer rod	10	(Length 0-2100mm) craft with carrying bag
5	a) Sliding calliper b) Sliding Calliper	a) 16 b) 16	a) Martin type (0-200mm) pointed b) Martin type (0-600mm) pointed
6	a) Spreading Calliper b) Spreading Calliper	a) 16 b) 16	a) Pointed and rounded (0-300mm) b) Pointed and rounded (0-600mm)
7	Steel tape	15	
8	Porelon Finger printing pads	16	
9	Laminated Finger print cards	100 units	Preferably generic brand size 8" * 8 inches
10	Laminated Finger print identification cards	5 units	
11	Finger print lifting tape	2 packets	Preferably crime scene brand, 360 inches long and 1.5 inches wide
12	Black Powder	1	
13	White Powder	2	
14	Jar Orange Powder	1	
15	Jar Magnetic Powder	1	
16	White Powder brushes	16	
17	Blue Light/ UV light	5	
18	Magnetic Powder application	2	
19	Visible finger print roller and ink	1 whole kit	
20	Indian Archaeological site map (Lower middle, upper palaeolithic, Mesolithic, Neolithic, Bronze and Iron age)	1	
21	Demographic Tribal Map of Odisha	1	
22	DNA distribution Map	1	
23	Five views of Skull (Normal views) map	1	
24	Karyotyping chart (Male, Female)	1	
25	Karyotyping chart (chromosomal Abnormalities)	1	
26	Box latex or nitrile gloves	2 pkt small size 2 pkt medium size 2 pkt large size	
27	Glucometer	2	Dr Morepen Preferably
28	Glucometer stripes	300	Dr Morepen Preferably
29	Syringe	300	Dr Morepen Preferably
30	Cotton rolls	200 gm * 5 pkt (1kg total)	
31	Antisera kit	1	

32	Digital Blood Pressure Machine	1	Preferably Dr. Morepen brand
33	LED mercury free blood pressure machine with stethoscope	1	Preferably Diamond brand
34	Mercury blood pressure machine	1	Preferably Diamond brand
35	Aneroid blood pressure machine	1	
36	Human Skeleton	1	Articulated 5.6 feet Tall, Anatomically correct casted from real human bones preferably myaskro brand
37	Skeleton case with wood and glass	1	
38	PTC Kit	1	
39	G6PD Kit	1	
40	Weight Machine digital	2	
41	Weight Machine Mechanical	2	
42	Sahlis Haemoglobin meter	5	
43	Electrical Kettle	1	
44	Fishing net	1	
45	Arrow	1	
46	Bow	1	
47	Wooden Fishing tools	5 variety 1 each	
48	Bamboo Kula	1	
49	Bamboo Basket	1	
50	Bamboo Tray	1	
51	Brass Craft Elephant	1	
52	Metal Craft		
53	Skinfold Caliper	2	Harpendant type
54	Measuring tape	10	

  
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