

OFFICE OF THE PRINCIPAL, ROURKELA COLLEGE, ROURKELA

No. 266 / Dt. 10.02.2024

QUOTATION CALL NOTICE

Sealed quotations are invited from eligible intending Registered Firms / Suppliers / Authorized dealers having valid GST registration, PAN and Tin number for supply of Laboratory equipment. The Equipment items for four Laboratories of the college are attached herewith in separate sheet. The detailed terms and conditions are mentioned below.

Terms & Conditions

1. The sealed quotations should reach the office of the undersigned i.e. Principal, Rourkela College, Rourkela, At / Po – Sector – 4, Rourkela – 769002 on or before 3:00 P.M. of 19.02.2024 through Registered / Speed Post only.
2. The bidder should quote the rate of each item separately per unit. The quoted rate should be inclusive of all taxes and transportation charge.
3. The bidder should submit photocopy of GST Registration Certificate PAN Card and TIN No. along with the quotation.
4. The bidder should have the capacity to supply all the items within 7 day of the receipt of the purchase order failing which the order will be treated as cancelled automatically.
5. Each bidder should submit one quotation only.
6. Quotation papers received beyond the stipulated date / time shall be liable for rejection.
7. The quotation appears shall be opened by the College Finance & Purchase Committee on 23.12.2023 at 4:00 P.M. in presence of the bidders or their authorized agents in the office of Principal.
8. The authority reserve all right to reject any or all quotations without assigning any reason thereof.
9. The bidder have to submit the acknowledgment in support of the supply to the college.
10. The authority will not bear any responsibility for any damage to any equipment before delivery.

Certificate regarding Non debarment in the following manner may be submitted by the bidder on the body of the Quotation or separately with seal and signature.

Icertify that,

- a) Under the Prevention of Corruption Act, 1988 or
- b) the Indian Penal Code or any other law for the time being in force for causing any loss of life or property or causing threat to public health as part of execution of a public procurement contract.
- c) I have not been debarred by any Central/State Government organization/Bodies for the last 3 years.

Signature with Company Seal

S. Pradhani
Principal
10.2.2024

Memo No. 266 (1) / Date. 10.2.2024
Copy forwarded to college Notice Board for Publication.

S. Pradhani
Principal
10.2.2024

Memo No. 266 (2) / Date. 10.0.2.2024
Copy forwarded to Sri R. Tudu for circulation in college website.

S. Pradhani
Principal
10.2.2024

LIST OF EQUIPMENTS

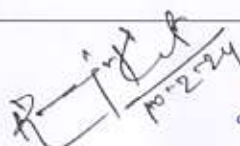
Department – Physics

For Class - XI

Physical Balance		
1	Physical Balance	5 Nos.
2	Weight Box	5 Nos.
Parallelogram law of vectors		
1	Vertical drawing barel with two pulley & attached to it.	5 Nos.
2	Slotted weight	5 Nos.
3	Strong thread (1m long)	5 Nos.
4	Drawing pins	1 Box
5	Plane mirror strip	5 Nos.
Pendulum		
1	A clamp stand with boss head	5 Nos.
2	Metallic spherical bob with a hook at its top	5 Nos.
3	Fine extensible thread	10 Mtr.
4	Stop Watch	7 Nos.
5	Cork	7 Nos.
6	Meter Scale	6 Nos.
Young's Modulus		
1	Searle's apparatus	5 Nos.
2	Steel wires	20 Mtr.
3	Hanger	10 Nos.
4	Half Kg. slotted weights	5 Sets
Surface Tension of water by Capillary rise method.		
1	Capillary tubes (3 numbers having different diameters)	5 Sets
2	Index rod (Needle)	5 Nos.
3	Glass Plate	10 Nos.
4	Travelling microscope	5 Nos.
5	Magnifying glass	5 Nos.
6	Lab Thermometer	10 Nos.
7	Stand	5 Nos.

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8	Dish for Water (1Ltr. Capacity)	5 Nos.
Newton's law of cooling		
1	Newton's law of cooling apparatus	
2	Glass beaker	10 Nos.
3	Clamp and stand	5 Nos.
4	Induction cooker	1 No.
Sonometer		
1	Sonometer	3 Nos.
2	Tuning fork box	3 Nos.
3	Rubber pad	4 Nos.
4	Air resonance tube	
5	Resonance Column	5 Nos.

For Class – XII

Ohm's Law		
1	Ohm's law apparatus	5 Nos.
2	Battery eliminator	5 Nos.
3	Rheostat	4 Nos.
4	One way key	6 Nos.
5	Connecting wires	2 bundles
6	Sand Paper	1 bundle
Meter bridge		
1	Meter bridge	5 Nos.
2	Resistance box	8 Nos.
3	Resistance wire	3 Nos.
4	Galvanometer	5 Nos.
5	Small resistance boxes	5 Sets.
Potentiometer		
1	Laclanche Cell	5 Nos.
2	Daniel Cell	5 Nos.
3	Ammeter	5 Sets.
4	Voltmeter	5 Sets.
5	Potentiometer	5 Sets.
6	Fractional Resistance box	5 Sets.
Resistance of Galvanometer by half deflection method		

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1	Weston type Galvanometer	5 Nos.
2	10 K Ω Resistance boxes	5 Nos.
3	200 Ω Resistance	5 Nos.
A.C Mains with a Sonometer		
1	Sonometer	5 Nos.
2	Clamp Stand	5 Nos.
3	Paper rider	7 Nos.
4	Step down Transformer	5 Nos.
5	Horse shoe magnet	4 Nos.
Optics		
1	Mirror Holder	7 Nos.
2	Object pin with stand	10 Nos.
3	Image pin with stand	10 Nos.
4	Concave Mirror	7 Nos.
5	Covex Mirror	7 Nos.
6	Optical needles	2 Boxes.
7	Convex Lens	7 Nos.
8	Concave Lens	7 Nos.
9	Prism	6 nos.
10	Hair Pins	2 Boxes.
11	Plane glass & lab	10 Nos.
12	Half meter Scale	10 Nos.
13	Iron Stand with base and clamp	5 Nos.
14	Plane Mirror	6 Nos.
P – N Junction Diode		
1	P – N Junction diode apparatus (Omega)	5 Nos.
2	High resistance Rheostat	4 Nos.
Zener Diode		
1	Zener diode apparatus (Omega)	5 Nos.
nPn and Pnp Transistor		
1	Transistor characteristic apparatus (Omega)	5 Nos.
2	Eliminator batteries (0 – 2 v)	3 Nos.
3	Eliminator batteries (0 – 12 v)	3 Nos.

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 J.R. 10/2/24
 R. T. 10/2/24
 A. 10/2/24

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S. Arindhan
 10.2.2024
 PRINCIPAL
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LIST OF EQUIPMENTS

Department – Chemistry

Sl. No.	Name of the Equipments	Quantity
1	Copper Carbonate	500 gm.
2	Sulphuric Acid	1 ltr.
3	Ferrus Sulphate	500 gm.
4	Ammonium Sulphate	500 gm.
5	Pottassium Sulphate	500 gm.
6	Alluminium Sulphate	500 gm.
7	Sodium Carbonate	500 gm.
8	Calcium Hydroxide	500 gm.
9	Calcium Carbonate	500 gm.
10	Sodium Sulphide	500 gm.
11	Sodium Nitrite	500 gm.
12	Sodium Chloride	500 gm.
13	Ammonium Hydroxide	500 gm.
14	Potassium Iodide	500 gm.
15	Silver Chloride	200 gm.
16	Sodium Bromide	500 gm.
17	Sodium Iodide	500 gm.
18	Sodium Sulphate	500 gm.
19	Lead Nitrate Pb (NO ₃) ₂	500 gm.
20	Ammonium Cholride	500 gm.
21	Arsenic Cholride	500 gm.
22	Mercury Chloride	250 gm.
23	Magnesium Sulphate	500 gm.
24	Zinc Sulphate	500 gm.
25	Copper Nitrate	500 gm.
26	Pottassium Nitrate	500 gm.
27	Ammonium Nitrate	500 gm.
28	Zinc Carbonate	500 gm.
29	Cadmium Carbonate	500 gm.
30	Calcium Oxide	500 gm.
31	Cobalt Nitrate	500 gm.
32	Potassium Carbonate	500 gm.

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33	Lead Chloride PbCl ₂	500 gm.
34	Silver Nitrate AgNO ₃	500 gm.
35	Copper Sulphate	500 gm.
36	Borax	500 gm.
37	Nicket Oxide NiO	500 gm.
38	Feric Oxide Fe ₂ O ₃	500 gm.
39	Barrium Carbonate BaCO ₃	500 gm.
40	Strontium Carbonate SrCo ₃	500 gm.
41	Calcium Carbonate CaCO ₃	1000 gm.
42	Potassium Dichloride K ₂ Cr ₂ O ₇	500 gm.
43	Stannous Chloride SnCl ₂	500 gm.
44	Magnesium Sulphate MnSO ₄	500 gm.
45	K ₄ [Fe(CN) ₆]	500 gm.
46	Dimethylgloxime	500 gm.
47	Tollen's Reagent	1 lit.
48	Fehling's A + Fehling B	1 lit. + 1 lit.
49	Sodium bismuthate	500 gm.
50	Acitic Acid CH ₃ COOH	1 lit.
51	Magneson Reagent	2 Pcs.
52	Ammonium Oxalate	500 gm.
53	Disodium hydrogen Phosphate	500 gm.
54	Potassium Pyroantimonate	500 gm.
55	Nessler's Reagent	500 ml.
56	Magneous Oxide MnO ₂	500 gm.
57	HNO ₃ acid	1 lit.
58	Copoper Turnings	500 gm.
59	Barium Chloride BaCl ₂	500 gm.
60	Charcoal	20 Pkt.
61	Ammonium Carbonate	500 gm.
62	Pottasium Chromate	500 gm.
63	Ammonium Throcynate	500 gm.
64	Distil Water	50 ltr.
65	Phenolphthalein Indicator	1 ltr.
66	Pottassium Pyroantimonate	500 gm.

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Chemical Lab Requirement

1	Test Tube	200 Pcs.
2	Boiling Tube	50 Pcs.
3	Funnel	20 Pcs.
4	Funnel Stand	30 Pcs.
5	Measuring Cylinder (Different ml's)	10 Pcs. each
6	Pair of Tongs	50 Pcs.
7	Tripod Stand	50 Pcs.
8	Test tube holder	50 Pcs.
9	Test tube stand	50 Pcs.
10	Round bottomed flask	50 Pcs.
11	Flat bottomed flask	50 Pcs.
12	Conical Flask (Different size)	10 Pcs. each
13	Cork Corev	50 Pcs.
14	Gas jar	2 Pcs.
15	Glass rod	20 Pcs.
16	Klater condenser	1 Pc.
17	Passing tube	50 Pcs.
18	Eudiometer tube	50 Pcs.
19	Iron Stand	50 Pcs.
20	Reagent bottle	50 Pcs.
21	Beaker	50 Pcs.
22	Pestle & Mortar	50 Pcs.
23	Water Bath	50 Pcs.
24	Sand Bath	50 Pcs.
25	China Dish	50 Pcs.
26	Watch Glass	50 Pcs.
27	Test tube brush	20 Pcs.
28	Spatula	50 Pcs.
29	Kipp's Apparatus	2 Pcs.
30	Pipette 10 ml. / 20 ml.	50 Pcs. each
31	Desiccator	2 Pcs.
32	Burette	50 Pcs.
33	Wash Bottle	50 Pcs.

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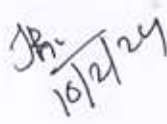
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34	Polythere wash bottle	50 Pcs.
35	Bursen burner	50 Pcs.
36	Fish tail burner	50 Pcs.
37	Weight box	1 No.
38	Burette Stand	50 Pcs.
39	Wire gauze	100 Pcs.
40	Blow pipe	50 Pcs.
41	Blue Glass	100 Pcs.
42	10 lit gallon – 2 PC (Dilute Solution Storage)	2 Pcs.

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LIST OF EQUIPMENTS

Department – Botany

Sl. No.	Name of the Equipments	Quantity
1	Ganong's Potometer	5 Nos.
2	Farmer's Potometer	5 Nos.
3	Wilmot's bubbler	5 Nos.
4	Compound Microscope	5 Nos.
5	Simple Microscope	3 Nos.
6	T/A Apparatus	5 Nos.
7	Chromatography Chamber	1 No.
8	Bio tool box containing forecep, Neddle, Brush etc.	5 nos.
9	Chromatography paper strip	2 Pkt.
10	Slide & cover slip	5 Pkt. Each
11	Watchglass (Larger)	10 Nos.
12	Petridish (Large)	10 Nos.
13	Crucible	6 Nos.
14	Cellophane Paper (Red, Blue, Green, Yellow)	10 Nos. Each
15	Funnel	10 Nos.
16	Beaker (Small) 100 ml.	10 Nos.
	Beaker (Large) 250 ml.	10 Nos.
17	Glycerin, Stain (Saffranin, Cotton Blue)	
18	Quadrate	5 Nos.
19	Pea seed / Colour Bead Model	1 No.
20	Phototropic Chamber	2 Nos.
21	Botany specimen model set	2 Nos.
22	Plant tissue slides, Slides of Algae, Fungi, Bresophyte, Pteridophyte, Gymnosperm	
23	Angiospermic Plant & flower model	
24	Acetone	2 Nos.
25	Formaldehyde	2 Nos.
26	Ethanol	2 Nos.
27	Stirring rod	5 Nos.
28	Conical Flask	5 Nos.
29	Tripod, Knife	5 Nos. Each

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30	Tongs, Spatula	5 Nos. Each
31	Burner / Sprit lamp	5 Nos. Each
32	Analytical Balance	1 No.
33	Rubber gloves	1 Pkt.
34	Stop Watch	2 Nos.
35	Thermometer	2 Nos.
36	Construction work (Water Supply)	
37	Wash Basin	2 nos.
38	Electricity Supply	
39	Proper Light supply, Air supply	
40	Artificial aquatic ecosystem	

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LIST OF EQUIPMENTS

Department – Zoology

Sl. No.	Name of the Equipments	Quantity
1	Light Microscope	4 Nos.
2	Micro Pipette	3 Nos.
3	Test Tube	2 Pkt.
4	Test tube holder	4 Nos.
5	Test tube stand	4 Nos.
6	Beaker (100 ml.)	5 Nos.
	Beaker (250 ml.)	5 Nos.
7	Sprit Lamp	4 Nos.
8	Stirring rod	5 Nos.
9	Thermometer	1 No.
10	Slide, cover slip	2 Pkt.
11	Conical Flask (100 ml.)	5 Nos.
	Conical Flask (250 ml.)	2 Nos.
12	Ph Paper	
13	Pipette	2 Nos.
14	Ethanol	2 Nos.
15	Distilled Water	2 Nos.
16	NaOH, KoH Solution	
17	Fehling's Solution (Fehling A & B)	
18	Iodine Solution	
19	Digital Weight balance	1 No.
20	Benedict's Reagent	
21	Glycerin	
22	Animal tissue slide set	2 Nos.
23	Cell Biology Slide Set / Cell division slide set	2 Nos.
24	Water Supply, Washbasin	2 Nos.
25	Electricity Supply	

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S. Brahm
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