



**Rayagada Autonomus College**  
**Rayagada**

**Tender Document**

**For**

**“Supply of Laboratory Equipment of  
(A) Chemistry, (B) Physics, (C) Botany and (D) Zoology  
At  
Rayagada Autonomous College”**

**Tender Document No: 27142903/2021-22/RAC/001**

**Dated: 03<sup>rd</sup> January, 2022**

**Issued By:**

Principal,

Rayagada Autonomous College,

Rayagada-765001

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## **SCHEDULE OF TENDER**

Tender No.	[27142903/ RAC/ 2021-22/001]
Name of the tender issuer	Principal, Rayagada Autonomous College
Scope of Work	Supply of Laboratory equipment of Chemistry (A), Physics (B), Botany (C) and Zoology (D) Details as per Annexure I
Quantity to be supplied	As per Annexure I
Cost /fee of Tender Documents	Rs. 500/- in form of a DD drawn in favour of Principal, Rayagada Autonomous College payable at Rayagada
Earnest Money Deposit (EMD) (Separate for Each Part)	2% of Bid Value
Date of issue of tender document	03 <sup>rd</sup> January, 2022
Date & Time of Pre Bid clarification	08 <sup>th</sup> January, 2022, 10.00 AM
Last Date & Time for Submission of Bids	24 <sup>th</sup> January, 2022, 05.00 PM
Date & Time of Opening of Technical Bids	25 <sup>th</sup> January, 2022, 10.00 AM
Date & Time of Price Bid Opening	27 <sup>th</sup> January, 2022, 10.00 AM
Name of the contact person for Communication	Dr. Pradeep Kumar Samantaroy
Contact Number of the concern person	9444078968
Address for Communication	Principal, Rayagada Autonomous College, Rayagada- 765001

## **ELIGIBILITY CRITERIA**

The bidders who are desirous for above work require fulfilling the following conditions:

- 1) Must be registered under GST Act.
- 2) Must have average annual turnover for the last three years i.e. 2018-19, 19-20 and 20-21 should not be less than Rs 2 Lakhs. The bidder must submit copy of audited balance sheet and profit & loss account certified by the Chartered Accountant along with the acknowledgement of Income tax return as a proof in the Technical bid.
- 3) Should not have been blacklisted by any State Govt. / Central Govt. / PSU in India. A self declaration is required as per **Annexure IV**.
- 4) Must have a valid PAN.

## **BID SUBMISSION**

Steps to be followed for submission of bid:

1. The bid shall be submitted in three parts, the EMD, Technical Bid & the Price Bid.

i) **Earnest money Deposit (EMD):** Bidder has to submit EMD of required amount in the form of Demand draft.

Order drawn in favour of "Principal, Rayagada Autonomous College" payable at Rayagada. The EMD should be sealed in one envelope marked as "EMD".

Earnest Money Deposit will not carry any interest. The EMD of unsuccessful bidders will be refunded on acceptance of the work order by the successful bidder. The EMD of successful bidder will be returned on submission of performance security.

**The bid not accompanying EMD is liable to be rejected.**

ii) **The Technical bid** sealed in another envelope marked as "Technical Bid" and shall contain

- The bidder should supply the items as per technical specification mentioned in **Annexure I**. The list of items available with the tenderer.
- The bidder should Details as per **Annexure II**, duly filled in, signed and complete in all respects. No alteration / modification in the format shall be permitted.
- A self declaration that the tenderer has not been blacklisted by any State Government/ / Central Govt. / PSU in India as per **Annexure IV**.
- Audited balance sheet and profit & loss account along with copy of acknowledgement of Income Tax return of last three financial years i.e. 2018-19, 19-20 & 20-21.

(iii) **The Price bid** shall be sealed in an envelope marked as "Price Bid" and shall contain the price bid as per **Annexure III** duly completed in all respects.

Rate quoted should be inclusive of GST.No extra cost will be borne by the college towards transport of goods.No price increase on account of change in tax structure, duties, levies, charges etc shall be permitted.

The three separate envelope containing EMD, technical bid and price bid should be sealed in one envelope and should be addressed as per tender schedule super-scribed as **“Supply of Laboratory equipment of Chemistry (A), Physics (B), Botany (C) and Zoology (D)”**

## **GENERAL TERMS AND CONDITIONS OF THE BID**

Note: Bidders must read these conditions carefully and comply strictly while submitting their bids.

- 1) Bidder shall prepare the bid and submit it in a sealed envelope addressed to Principal, Rayagada Autonomous College, Rayagada and send it through **Speed Post/Registered Post/Courier only** (no hand delivery will be entertained). Each envelope should bear the name of bidder, along with the tender number. However the authorities shall not be responsible for postal and other delays in receipt of the bids.
- 2) Bidders are requested to check for any notice /amendment/ clarification etc. to the Tender Document through the website [www. rayagadacollege.edu.in](http://www.rayagadacollege.edu.in) / **Notice board of the office of Rayagada Autonomous College**. No separate notification will be issued for such notice / amendment /clarification etc. in the print media or individually.
- 3) The Bidders should note that Prices should not be indicated in the Technical bid and should be quoted only in the Price Bid as per **Annexure III**. In case the prices are indicated in the Technical bid, the bid shall stand rejected.
- 4) **"PRE-BID Meeting"** with the intending bidders shall be held on 08/01/2022 from 10:00 A.M. at Rayagada Autonomous College. Any queries related to this tender shall be sent to the mail id: [rayagadacollege@gmail.com](mailto:rayagadacollege@gmail.com) 1 day in advance. The clarifications if any will be uploaded in the in the department web site. All bidders are invited to attend the pre-bid meeting. No deviation to any of the terms will be permitted after freezing of the same at pre-bid meeting. On the date of pre bid meeting the bidders may make a site verification where installations is to be made.

### **5) OPENING OF TECHNICAL BID**

The Technical proposal will be opened on 25.01.2022 at 10:00 A.M in the presence of the tender Committee and representative of the bidders. No separate intimation will be given to the bidders in this regard.

### **6) EVALUATION PROCESS**

Technical proposals will be evaluated on the basis of compliance to eligibility criteria, technical specification, and other terms & conditions stipulated in the tender document. Financial proposal will be opened only of those bidders who

qualify in the technical evaluation. The Committee reserves the right to reject any or all the tenders without assigning any reason thereof.

- 7) **Award of Contract:** Financial bids with lowest price quotation for the assignment as per Annexure-III will be considered for negotiations and award of contract. However where there is tie between bidders in lowest evaluated package price, the person having highest financial turnover in the preceding 3 financial year will be given preference.
- 8) The bids not submitted in prescribed format or in prescribed manner, shall be rejected by the Tender Committee at the risk and responsibility of the bidder.
- 9) All the information as called for in the tender document should be submitted truly, clearly, legibly, transparently, unambiguously and without using abbreviations.
- 10) In the financial bid the total figures should be written in figures followed by words
- 11) Each page of the tender document should be signed by the bidder with seal, in token of having understood and accepted the terms and conditions of the contract and serially numbered and page marked.
- 12) A bid submitted cannot be withdrawn. The bidder or his authorized representative (one person only) will be allowed to be present at the time of opening of tenders.
- 13) The Tendering Authority reserves the right to accept any bid, and to annul the bid process and reject all bids at any time prior to award of contract, without assigning reasons & without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders of the grounds for the action.
- 14) All the transit risks shall be the responsibility of the supplier.
- 15) All the disputes shall be subjected to the jurisdiction of Civil Courts situated in Rayagada.
- 16) Any matter which has not been covered under these provisions shall be governed as per the provisions of Odisha State Government Rules.



- 17) Any notice given by one party to the other pursuant to this contract shall be sent in writing to Principal, Rayagada Autonomous College, Rayagada - 765001.
- 18) **Payment Terms:** All payments will be made within 30 days of submission of invoice, based on completion of respective terms & conditions. TDS will be deducted as per the rules. The invoice will be raised in favour of Principal, Rayagada Autonomous College, Rayagada.
- 19) **Completion Period:** The work shall be completed in all respect within 30 days from the date of issue of work order.
- 20) A firm can apply for any Part(s) or whole of the tender. The EMD(s) for Part(s) are to be provided separately for each Part(s).

## ANNEXURE – I

### PART A (Chemistry)

Sl. No.	Item Name	Unit	No.
1	Sulphuric acid	500 mL	6
2	nitric acid	500 mL	2
3	hydrochloric acid	500 mL	10
4	ammonium chloride	500 g	4
5	ammonium bromide	500 g	1
6	ammonium hydroxide	500 mL	5
7	ammonium phosphate	500 g	2
8	ammonium hydrogen phosphate	500 g	1
9	ammonium molybdate	100 g	1
10	ammonium thiocyanide	500 g	2
11	acetic anhydride	500 mL	3
12	acetophenone	500 mL	2
13	aniline	500 mL	3
14	aluminum sulphate	500 g	1
15	ammonium carbonate	500 g	3
16	acetic acid glacial	500 mL	10
17	benzoic acid	500 g	2
18	oxalic acid	500 g	3
19	acetyl chloride	500 mL	3
20	acetone	500 mL	1
21	benzene	500 mL	2
22	copper carbonate	500 g	2
23	cupric chloride	500 g	1
24	EDTA disodium salt	100 g	2
25	ethanol	500 mL	15

26	glycerene	500 mL	2
27	iodine	100 g	1
28	lead acetate	500 g	1
29	magnesium nitrate	500 g	1
30	magnesium sulphate	500 g	1
31	borax	500 g	2
32	methyl red	125 mL	2
33	mangenes sulphate	500 g	1
34	nitrobenzene	500 mL	2
35	potasium iodide	500 g	2
36	potassium bisulphate	500 g	1
37	siver nitrate	25 g	1
38	sodium bisulphite	500 g	1
39	urea	500 g	2
40	zinc acetate	500 g	1
41	Ferrous ammonium sulphate	500 g	2
42	tollen's reagent	100 mL	1
43	benadict solution	500 mL	1
44	n-butanol	500 mL	1
45	measuring flask	100 mL	30
46	measuring flask.	250 mL	30
47	funnel		15
48	test tube	1 packet	10
49	burette glass		10
50	burette fibre		20
51	watch glass	dozen	20
52	water bath	6 holes copper	10
53	thermometer	110 deg	10
54	thermometer	250 deg	10

55	thernometer Backmann		2
56	beaker	500 mL	20
57	cork (all size)		20
58	ostwalds viscometer		24
59	nichrome wire	100 g	1
60	graduated pipette	10 mL	10
61	graduated pipette	5 mL	10
62	china dish	100 mL	20
63	Bunsen Burner (with stop cork regulator type)		30
64	bunser burner tube (gas pipe)		30
65	tongue	8 inch	10
66	tongue	12 inch	10
67	spatula		10
68	Universal indicator paper		10
69	pH paper		10
70	Test Tube stand		20
71	Test tube cleaning brush		20

## PART B (PHYSICS)

Sl. No	Name of the equipment	Quantity
1	Fabry -Perot Interferometer	1
2	Digital IC Trainer	2
3	Dual Chanel regulator power supply	1
4	DC Galvanometer (om meters)	10
5	Optical Bench full shaped double rod, 1metlength, stainless steel	1
6	Ohms Law apparatus complete kit (The Lab World company)	4
7	P-N Junction Diode Characteristics apparatus, (INSIF electronics)	1
8	Zener Diode Characteristics apparatus	1
9	Transistor Characteristics apparatus (PNP &NPN)	4
10	Keter's Pendulum with stand , stainless steel	2
11	De Sauty Bridge (Omega electronics)	1
12	Melde's apparatus	2
13	Equilateral Prism, size- 50mm × 50mm	12
14	RC Phase shift oscillator (CEC)	2
15	Slide Caliper, stainless steel (Lab World )	8
16	Battery Eliminator ( 0-12v) MSW Labs	4
17	Measuring Tap (10 meter)	2
18	Ammonium chloride	1 kg

19	Operational Amplifier training kit as differentiator and integrator, Ele tech. lab Instrument.	2
20	Bi-Prism assembly with optical bench	1
21	Bi-Convex lens, focal length-15cm & Dia-60mm	10
22	Concave Mirror, focal length-15cm & Dia-60mm	10
23	Concave Mirror, focal length-15cm & Dia-100mm	6
24	Operational amplifier as Inverting and Non Inverting amplifier experiment apparatus	1

### PART C (BOTANY)

SL NO.	NAME OF THE ITEM	QUANTITY
1	Digital Weight Machine WENSAR MAKE, PGB600, Capacity 600gm, Sensitivity 0.01g m	1
2	Digital Photo Colorimeter Labtronics/ Systronics	1
3	Magnetic stirrer with Hot Plate (REMI Make) 1MLH	1
4	Whatman filter Paper, No. 1, 12.5cm	1
5	Dropping bottles 120ml (Tarson)	1
6	Spirit lamp (steel)	1
7	Paper Chromatography chamber (Portable Type)	1
8	pH meter Labtronics/ Systronics	1
9	Cork borer, S.S., set of six	1
10	Ocular micrometer (ERMA)	1
11	Stage micrometer (ERMA)	1
12	Titration Assembly Burette 50 ml (Borosil) with Stand, Plastic)	1

13	Reagent bottles (Borosil) 500ml	5
14	Conical Flask With Screw Cap 1000 ml	1
15	Conical Flask 500ml	1
16	Graduated Pipettes 10ml	1
17	Pipettes Bulb (Silicon), Large Size	1
18	Sprayer (Wash Bottle), 1 litre (Plastic)	1
19	Glucose (Dextrose) 500gm	1
20	Sucrose 500 gm	1
21	DPX 500 ml	3
22	Xylene 500 ml	3
23	Glycerine 500 ml	3
24	Rectified Spirit (90% Alcohol ) 450 ml	5
25	Dehydrated Alcohol ( Ethanol ) 500ml	5
26	Sodium bicarbonate 500 gm	1
27	Iodine Solution 500 ml	1
28	Glacial Acetic Acid 500 ml	1
29	Sulphuric Acid 500 ml	1
30	Boric Acid 500 gm	1
31	Perchloric Acid (PCA) 500 ml	1
32	Butanol	1
33	Amino acid Kit	1
34	Magnesium Nitrate 500 gm	1

35	Potassium Nitrate 500 gm	1
36	Sodium Nitrate 500gm	1
37	Calcium Nitrate 500gm	1
38	Folinciocalteu – Reagent	1
39	Hanus – Reagent 100 ml	10
40	Potassium hydroxide 500gm	1
41	Magnesium sulphate 500gm	1
42	Sodium Thiosulphate 250gm	1
43	Iso- Propanol	1
44	Potassium Iodide 500gm	1
45	Ninhydrin 10gm	1
46	DNS (3,5-Dinitrosalicylic acid), 25gm	1
47	Orcinol, 100gm	1
48	DNA Powder, 25gm	1
49	Yeast Powder, 500gm	1
50	BSA, 10gm	1
51	Feric Chloride, 500gm	1
52	Sodium Potassium Tartarate 500gm	1
53	Copper sulfate pentahydrate 500gm	1
54	Sodium Hydroxide 500 ml	1
55	Hydrochloric Acid, 500 ml	1
56	RNA, 10 gm	1



### PART-D (ZOOLOGY)

S. No.	Instruments	Qty.
1.	Chromatography Jar [10"x3"]	1
2.	100 Chromatography Paper Strips size- 46x57cm, pkt of 100 sheets	Pkt
3.	Lab Junction Auto pH meter (Table top) Labtronics- LT10	1
4.	Omron Digital Blood Pressure	1
5.	Magnetic stirrer with hot plate 1MLH	1
6.	Magnetic stirrer bar [1.5 inch]	2
7.	Magnetic Stirrer Bar Retriever 35cm	1
8.	Borosilicate Glass Transparent Apparatus for Distillation	1
9.	Pricking Needles (Small) [Pack of 20]	Pkt
10.	pH papers strips	10 book lets
11.	Bunsen burner with stop cock brass blue for lab	2
12.	Glass Spirit Lamp	2
13.	First lab filter Papers [12.5 cm] pack of 100 pieces	2
14.	Amino acids Kit [24 amino acid solution]	1 set
15.	Cotton bundles	5
16.	Insect collecting kit [display box + sweep net + entomology pins + forcep + killing jar+ ethyl acetate]	1
17.	1 set of butterfly specimen photo frame with scientific names	1
18.	Borocil Microscope Glass Slides 75X25x1.4 mm	3 pkt
19.	Bombay Scientific Tube Holder with wooden handle for holding test tubes (22mm - 32mm Diameter)	10 pieces

20.	STARLABS Glass Graduated Pipettes Dropper with Scale Rubber Bulb (10ml)	10
21.	Microscope Slide Cover Slips 22x22mm (Pack of 100)	5 pkts
22.	Borosil Test-tubes [Size: 15x125mm] Pack of 100	2 pkts
23.	Digital analytical electronic weighing balance	1
24.	Glass Manual Tissue Homogenizer Set [20ml]	2
25.	Laboratory Stirrer with regulator 4000rpm 1 MLH	1
26.	Lab Junction Colorimeter (Digital Fully Automatic Photo Colorimeter) Labrotonics-LT116	1
27.	Centrifuge tubes pack of 500	1 pkt
28.	MICROFILL (1000-5000ul) Micropipette	1
29.	Test tube stand plastic	10
30.	Remi RQT-127 A/D Digital - Homogenizer (Stirring Capacity Upto 100 ML Motor- AC/DC 1/8 HP)	1
31.	Microcentrifuge Tube 1.5ml conical	1 pkt
32.	Surgical gloves	1 pkt
33.	Portable Pen pH Meter	1
34.	Soil pH tester	1
35.	Glass coupling jar	10
36.	Blank plastic jar for preserving museum specimens [3"x7" in size]	30 nos.
37.	Extra-long stainless steel tweezers	4
38.	Microscope slide box plastic [25 slides]	2 pkt
39.	Borosilicate Glass beaker [50 ml]	10 pieces
40.	Insect funnel trap [pack of 10]	1 set
41.	Laboratory Borosil watch glass [5cms]	12

42.	Aluminum Dissecting tray with wax	2
	<b>Charts/ Models</b>	
43.	DNA Model ON Stand	1
44.	RNA Model ON Stand	1
45.	Articulated Human skeleton model with stand	1
46.	Archeopteryx model	1
47.	Urea cycle- Chart	1
48.	Electron Transport System- Chart	1
49.	Beta-oxidation of fatty acids- Chart	1
50.	Pentose phosphate pathway- Chart	1
51.	Structure of Antibodies- Chart	1
52.	Gluconeogenesis- Chart	1
53.	Lac and tryptophan Operon- Chart	1
54.	Nitrogen cycle- Chart	1
55.	Ketogenesis- Chart	1
56.	Glycogenesis- Chart	1
57.	Ketogenesis- Chart	1
58.	Human Karyotype- Chart	1
59.	Structure of Amino acids - Chart	1
60.	Lac insect and their rearing pictures- Chart	1
	<b>Reagents/ chemicals</b>	
61.	Copper Sulphate Salt 500mg	2

62.	Lactophenol cotton blue 500 ml	2
63.	Sodium Hydroxide Salts 500 mg	1
64.	Benedict's Reagent 500 ml	4
65.	Absolute Alcohol 500ml	4
66.	Betadine Iodine Solution [100 ml]	2
67.	Glacial acetic acid 500ml	2
68.	Formaldehyde 500ml	2
69.	Safranine [100ml]	2
70.	Gram Stain Iodine solution 125 ml	2
71.	Crystal Violet solution 500 ml	1
72.	Laboratories Distilled Water [5lt]	1 jar

**ANNEXURE – II****DETAILS OF THE TENDERER**

Sl. No	Particular	
1	Name of the Firm/Agency/Company	
2	Registered office Address & Complete postal address	
3	Telephone Number &E-Mail Id	
4	Name of Authorized Signatory (in block letters)	
5	Contact No.of authorized signatory	
6	Type of /Firm (Proprietary/ Partnership/ Pvt .Ltd./Public Ltd)	Tenderer has to provide relevant documents (with the technical bid) as a proof of firm type.
7	Date of Establishment and Experience in business (In number of years)	Work order to be attached for complying point no 4 of eligibility criteria
8	G.S.T. Registration No.	
9	PAN No.	
10	Details of Earnest Money Deposit i.e Draft no, date and bank name.	
11	Yearly turnover of the organization during last 3 years (yearwise) and furnish audited balance sheet and Profit and Loss A/c for the last 3 years.  2018-19 2019-20 2020-21	
12	Furnish the names of 3 responsible persons along with their designation, address, Telephone Number etc. for whose organization, you have completed /work in progress as mentioned in Annexure V and who will be in a position to certify about the performance of your organization.	

**Date:****Place:****Signature & Seal of theBidder**

## ANNEXURE – III

### PRICE SCHEDULE

To,  
Principal,  
Rayagada Autonomous College,  
Rayagada-765001

Ref: Bid no. ----- Dated -----

Sir,

I / We \_\_\_\_\_ hereby offer to supply the following items of Part \_\_\_\_\_ at the prices and within the period indicated below:

<u>Sl No.</u>	<u>Description</u>	<u>Qty. in Nos.</u>	<u>Unit Price</u>	<u>Total Amount</u>
<u>1</u>				
<u>2</u>				
<u>3</u>				
<u>Total</u>				

It is herewith certified that we have understood the general Terms and Conditions of the bid and our offer is to supply items strictly in accordance with the requirements and the terms mentioned in the bid.

#### Note

No change in the Performa is permissible.

Date:

Place:

(Signature and seal of the bidder)

**ANNEXURE – IV**

**SELF DECLARATION FOR NOT BLACK LISTED**

To,  
The Principal,  
Rayagada Autonomous College,  
Rayagada- 765001

Ref: Tender no. ----- Dated: -----


Madam/Sir,

I / We.....here by confirm that our firm has not been  
banned or blacklisted by any Government organization/Financialinstitution/Court  
/Public sector Unit /Central Government.

**Date:**

**Place:**

**Signature & Seal of theBidder**

  
03.01.2022  
PRINCIPAL  
RAYAGADA AUTONOMOUS COLLEGE  
RAYAGADA