



**OFFICE OF THE PRINCIPAL
K.S.U.B (DEGREE) COLLEGE, BHANJANAGAR**

Accredited Grade 'B' by NAAC

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**Tender Document
For
Supplying Laboratory Equipment
To
K.S.U.B. Degree College, Bhanjanagar**

Tender Document No: 1082/2025/KSUB/RUSA

Dated: 07.07.2025

Issued by: Principal
K.S.U.B. Degree College,
At/Po: Bhanjanagar, Ganjam
PIN: 761126


07/07/2025
Principal
K.S.U.B. College,
Bhanjanagar - 761126(Gm.)

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SCHEDULE OF TENDER

Sl. No.	Particulars	Details
1	Tender No.	
2	Name of the Tender Issuer	Principal KSUB Degree College, Bhanjanagar-761126, Ganjam, Odisha E-Mail: principal.ksub@gmail.com
4	Scope of Work	Supply of Laboratory Equipment at the premises of KSUB Degree College, Bhanjanagar-761126, Ganjam, Odisha
5	Quantity to be supplied	As per Annexure I (Refer page. 13-17)
6	Cost/Fee of Tender Document	Free of cost Tender documents can be downloaded from the college website i.e. ksubcollege.edu.in
7	Earnest Money Deposit (EMD) (Two different EMDs to be submitted if one bidder is applying for both parts of the tender)	Rs. 8000/- in shape of Demand Draft in favor of Principal KSUB College, Bhanjanagar
8	Performance Bank Guarantee (PBG)	NA
9	Date of Issue of Tender document	07.07.2025
10	Last Date & Time for Submission of Bids	15.07.2025 12.00 PM
11	Date & Time of Opening of Technical Bids	16.07.2025 11.00 AM
12	Date & Time of Price Bid Opening	16.07.2025 4.00 PM
13	Name of the contact person for communication	Sri Sanatan Behera, Lect. in English
14	Contact Number of the concern person	8018763254
15	Address for Communication	Principal, KSUB College, Bhanjanagar, Ganjam, 761126
16	Address for Submission/Opening of such proposals	KSUB College, Bhanjanagar, Ganjam 761126

ELIGIBILITY CRITERIA

The bidders who are desirous for above work are required to fulfill the following conditions:

- 1) Must be registered under GST Act.
- 2) Must have average annual turnover for the last three years i.e. 2022-23, 23-24, & 24-25 should not be less than Rs. 2 Lakhs. The bidder must submit copy of the 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.

Earnest Money Deposit (EMD): Bidder has to submit EMD of required amount (Rs.8000/-) in the form of Demand draft drawn in favour of "**Principal KSUB College, Bhanjanagar**", Payable at Bhanjanagar. The EMD should be sealed in one envelope marked as "**EMD**".

- i) As per the Govt. rule, the tender fee & the EMD may be exempted for MSME with valid manufacturing certificates.

Earnest Money Deposit will not carry any interest. The EMD of unsuccessful bidders will be refunded on acceptance of the work/supply 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:

List of the items as per technical specification mentioned in **Annexure I** available with the Bidder for supplying to the College.

- Mentioning the Details as per **Annexure II**, duly filled in, signed and complete in all respects by the Bidder. No alteration/modification in the format shall be permitted.
- A self-declaration that the Bidder 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. 2022-23, 23-24, & 24-25.

- (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 & transportation. No price increase on account of change in tax structure, duties, levies, charges etc. shall be permitted.

The three separate envelopes containing EMD, technical bid and price bid should be sealed in one envelope and should be addressed as per tender schedule superscripted as "**Supply of Laboratory Equipment**"

GENERAL TERMS AND CONDITIONS OF THE BID

Bidders must follow 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 KSUB College, Bhanjanagar, Ganjam, Odisha - 761126** and send it through **Speed Post/Registered Post/Courier only** (No in-person 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 **ksubcollege.edu.in** **Notice board of the office of the Principal, K.S.U.B College, Bhanjanagar**. 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) **OPENING OF TECHNICAL BID**

The Technical proposals will be opened on **Dt. 16.07.2025 at 11:00 AM** in the presence of the tender committee and representative of the Bidders. No separate intimation will be given to the bidders in this regard.

5) **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/Bid will be opened only of those bidders to qualify in the technical evaluation. **The Committee reserves the right to reject any or all the tenders without assigning any reason thereof. It also reserves the right to modify/cancel any item as specified in the tender document under requisition.**

- 6) **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.
- 7) **PERFORMANCE BANK GUARANTEE:** NA
- 8) **WARRANTY:** The items which are to be installed/supplied in the college should be NEW as on date of installation/supply and should be having all components required. The entire supplied/installed articles will remain under **comprehensive maintenance and warranty, if and when applicable**, from the date of successful commissioning and testing. The service support during warranty period shall be for all components of the article.

- 9) 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.
- 10) All the information as called for in the tender document should be submitted truly, clearly, legibly, transparently, unambiguously and without using abbreviations.
- 11) In the Financial Bid the total figures should be written in figures followed by words.
- 12) 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.
- 13) 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.
- 14) 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.
- 15) All the transit risks shall be the responsibility of the supplier.
- 16) All the disputes shall be subjected to the jurisdiction of Civil courts situated in Bhanjanagar.
- 17) Any matter which has not been covered under these provisions shall be governed as per the provisions of Odisha State Government Rules.
- 18) If the works/supplied articles are found un-satisfactory or, if the firm dishonors the contract, the Performance Security Deposit may be forfeited and the job may be entrusted to another firm. In this regard the decision of the Committee is final and binding on the Bidder.
- 19) Any notice given by one party to the other pursuant to this contract shall be sent in writing to KSUB Degree college, Bhanjanagar, Ganjam, Odisha - 761126.
- 20) **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, KSUB Degree College, Bhanjanagar Ganjam, Odisha- 761126.
- 21) **Completion Period:** The works/installations shall be completed in all respect within 30 days from the date of issue of work order.

ANNEXURE-I

Items to be Supplied and Installed

Sl.No	Items	Specification	Quantity
1	Laboratory Equipment for Botany, Chemistry, Electronics, Physics and Zoology	Refer page 13-16	As specified

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)	Bidder has to provide relevant documents (with the Technical Bid) as a proof of firm type
7	Date of establishment and experience in business	Supply relevant documents with the technical bid
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 (year-wise) and furnish audited balance sheet and Profit and Loss A/c for the last 3 years. (2022-23, 2023-24, 2024-25)	Submit Annexure V
12	Furnish the names of 3 responsible organization to which you have supplied and installed items as specified in this tender who will be in a position to certify about the performance of your item/organization.	

Date:**Place:****Signature & Seal of the Bidder**

PRICE SCHEDULE

To
The Principal,
K.S.U.B College, Bhanjanagar.

Ref: Bid no.

Dated.

Sir,

I/Wehereby offer to supply the following items at the prices and within the period indicated below:

SI No.	Description of Items	Qty	Unit Price	GST	Total Amount
1					
2					
3					
Total					

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.

No change in the Performa is permissible.

Date:

Place:

(Signature and seal of the bidder)

SELF-DECLARATION FOR NOT BLACK LISTED

To

The Principal,
K.S.U.B College, Bhanjanagar.

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

Madam/Sir,

I / Wehere by confirm that our firm has not been banned or blacklisted by any Government organization/Financial stitution/Court /Public sector Unit /Central Government.

Date:

Place:

Signature & Seal of the Bidder

FINANCIAL TURNOVER DETAILS

Financial Turnover of the Organization during Last Three Financial Years.

Sl. No	Financial Year	Turnover in Rs.
1	2022- 2023	
2	2023- 2024	
3	2024-2025	

Average Annual Turnover for the last three years (INR):

Name of the C A Firm:

Firm Registration No.:

Name of the Chartered Accountant Membership No.:

Yours faithfully,

Authorized Signatory of the firm with Date
and Seal

BOTANY

Sl. Number	Name of the apparatus/ equipment/ glassware	Requirement in Unit/Pcs
1	PCR	01 Unit
2	Thin Layer Chromatography	15 Unit
3	UV Visible Spectrophotometer	01 Unit
4	Centrifuge 8 x 15 ml	02 Unit
5	Centrifuge 4 x 50 ml	02 Unit
6	Ganong's Respirometer	04 Unit
7	Magnetic stirrer	02 Unit
8	Water Bath	01 Unit
9	Laminar Air Flow	01 Unit
10	Auto Clave	1 pc
11	Homoginiser	1 pc
12	Incubator	1 pc
13	Cork Borer	10 Pcs
14	Micro Pipette	5 Pcs

Chemistry

Sl. No.	Name of apparatus/ equipment/ glassware/	Requirement in Unit	
1	3	4	
1	ostwald's viscometer	500 ml	X 06
2	Tensiometer (Surface tension measurements)		X 02
3	Digital PH- meter with accessories		X 01
4	Digital Conductivity meter with accessories		X 02
5	Potentiometer with accessories		X 02
6	Colorimeter		X 01
7	Calorimeter with accessories (precision thermometer)		X 01
8	Visible spectrophotometer (single beam)		X 01
9	Magnetic stirrer (with/ without hot plate)		X 01
10	Heating mantle		X 02
11	Mealing point apparatus		X 01
12	Vaccum pump for filtration		X 02
13	Kipp's apparatus (PP)		X 01

Electronics

Sl. No.	Name of apparatus/equipment	Requirement in Unit
1	2	3
1	Study of the I-V Characteristics of (a) P-n junction diode, and (b) Zener diode.	4+4=8Nos.
2	Study of Half wave rectifier without and with shunt capacitor filter- ripple factor for different values of filter capacitors	4Nos.

3	Study of Transistor characteristics in CE configuration – determination of h-parameters.	4Nos.
4	Study of two-stage RC-coupled CE amplifier (AV1, AV2, AV) at mid-band frequency	4Nos.
5	Verification of truth tables of OR, AND, NOT, NAND, NOR, XOR and XNOR gates using	4Nos.
6	Study of JFET/MOSFET characteristics – determination of parameters	4Nos.
7	Study of BCD to decimal decoder using IC7447	4Nos.
8	Design and study of Wien bridge and RC phase shift oscillator using op-amp	4Nos.
9	Design and study of first order high-pass and low-pass filters using op-amp	4Nos.
10	To determine the Characteristics of LVDT.	4Nos.
11	Test and verify the features of 8051 Trainer Kit	4Nos.
12	Develop a program to interface LED with 8051	4Nos.
13	Study of the I-V Characteristics of the SCR.	4Nos.
14	Study of the I-V Characteristics of MOSFET.	4Nos.
15	1. Study of Amplitude Modulation	4Nos.
16	3. Study of Frequency Modulation	4Nos.
17	6. AM Transmitter/Receiver	4Nos.
18	7. FM Transmitter/Receiver	4Nos.
19	To determine wavelength of sodium light using Michelson's Interferometer.	4Nos.
20	To determine characteristics of LEDs and Photo- detect	4Nos.

PHYSICS

Sl. No.	Name of apparatus/ equipment/glassware	Requirement in Unit
1	2	3
1	capillary tube and capillary tube stand for surface tension by capillary rise method	2 sets
2	Wheatstone bridge	2 sets
3	DeSauty's bridge	2 sets
4	Thevenin and Norton's theorem(kit)	2 sets
5	Anderson's bridge and inductance coil	2 sets
6	series LCR circuit(KIT)	2 sets
7	parallel LCR circuit(kit)	2 sets
8	milli ammeter	5 sets
9	micrometer	5 sets
10	volt meter	5 sets
11	prism	20 sets
12	collimator and Barnes apparatus	2 sets
13	thermometer(small and big)	5 sets
14	Lee-Charlton's apparatus	2 sets
15	R.C coupled transistor amplifier	2 sets

16	Wien-Bridge oscillator	2 sets
17	colpitt's oscilaltor	2 sets
18	step-down transformer	3 sets
19	CRO	4 sets
20	plank's constant using LED's of 4 different colours aparatus	
21	e/m ratio determine apparatus	2 sets
22	AND, OR, NOT, XOR gate kit	2 sets
23	half adder kit	2 sets
24	full adder kit	2 sets
25	half- subtractor kit	2 sets
26	full-subtractor kit	2 sets
27	Monostable multivibrator using IC-555 timer kit	2 sets
28	babinet compensator apparatus	2 sets
29	Quarter wave plate	4 sets
30	half wave plate	4 sets
31	Nicol prism	8 sets
Zoology		
Sl. No.	Name of apparatus/ equipment/glassware	Requirement in Unit
1	2	3
1	Digital turbidity meter-	1
2	Digital pH meter and electrode	1
3	Laboratory hot air oven	1
4	Nikon aculon binocular 10×42	1
5	Refrigerator 5 star	1
6	Electrophoresis gel cassette ,electode and power pack	1
7	Spectrophotometer uv /visible	1
8	Elisa kit for growth hormone	1
9	Haemocytometer- Neubauer chamber	1
10	Sahalis haemoglobinometer	1
11	Centrifuge machine	1
12	Autoclave	1
13	Vaccum pump	1
14	Micropippette adjustable and tips	1
15	Waterbath with shaker	1
16	Weight balance	1
17	Bunsen burner	1
18	Gas cylinder For burner	1
19	Binocular light microscope	1
20	Homogenizer	1
21	Stereomicroscope	1
22	Conductivity metre	1
Sides		
23	WM of euglena	1

24	Wm of paramecium	1
25	Wm of binary fission paramecium	1
26	Conjugation in paramecium	1
27	Sycon ts /ls	1
28	Spicules	1
29	Spongin fiber	1
30	Egg of fasciola	1
31	Larval form miracidium	1
32	Sporocyst	1
33	Radia	1
34	Cercaria	1
35	Meta cercaria	1
36	Nature proglotid of taenia	1
37	Cysticercus	1
38	Rhabditi form larva	1
39	Gizzard and typhlosolar region of earth worm	1
40	Section of balanoglossus through proboscis	1
41	Section of amphioxus through pharygeal	1
42	Doliolum	1
43	Salpa	1
44	Herdmania spicules	1
45	Study of whole mounts and sections of developmental stages of frog through permanent slides: Cleavage stages, blastula, gastrula, neurula, tail-bud stage, tadpole (external and internal gillstages).	1
46	Study of whole mounts of developmental stages of chick through permanent slides:	1
47	Primitive streak (13 and 18 hours), 21, 24, 28, 33, 36, 48, 72, and 96 hours of incubation (Hamilton and Hamburger stages).	1
48	Permanent stage mitosis and meiosis	1
49	Polytene chromosome	1
50	Lambrush chromosome	1
51	Slides of oesophagus, stomach, deodenum, ilium, rectum, liver, trachea, lungs, kidney	1
52	Models	1
53	Eye	1
54	Ear	1
55	Haert	1
56	Kidney	1
57	Brain	1
58	Lungs	1
59	Dna	1
60	T rna	1
Glassware		
61	Conical flask 50ml, 100,mls, 250mls-	
62	Quartz micro Cuvette-	50
63	Test tube stand-	8

64	Test tubes -	10
65	Measuring cylinders-	100
66	BOD bottle-	10
67	Breakers- 100 ml, 200ml, 100ml-50 each	10
68	Glass rod-	
69	Test tube holder-	20
70	Erlenmeyer flask	20
71	Micropipette-	10
72	Whatman paper 1	5
73	Filter pape-	
74	Paparfin block for microtome-	
75	Petriplate -	5kgs
76	Covered petridishes-	100
77	Glass slide-	100
78	Cover slip-	50 pkts