

TENDER NOTICE No.113/HE-NCNE-PLAN-0003-2024//PSCK /2025
Dt.04-02-2025

TENDER DOCUMENT FOR THE PURCHASE OF SCIENCE LAB EQUIPMENTS,
GLASS WARE AND LAB DEVELOPMENT ITEMS

PATHANI SAMANTA COLLEGE,KHANDAPARA,NAYAGARH
PIN-752077

TENDER FORM FEE Rs.500/-


Principal
P.S.College,Khandapara

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OFFICE OF THE PRINCIPAL PATHANI SAMANTA COLLEGE,KHANDAPARA

Website: www.pscollege.co.in

**TENDER NOTICE FOR THE PURCHASE OF SCIENCE LAB EQUIPMENTS
AND LAB DEVELOPMENT ITEMS**

**TENDER NOTICE No.113 /HE-NCNE-PLAN-0003-2024//PSCK /2025
/ Dt.04/02/2025**

PATHANI SAMANTA COLLEGE,KHANDAPARA invites sealed tender from reputed registered manufacturer/authorized dealers/suppliers for purchase and supply of the following items.

Item Name	Earnest money	Last date/time of submission of tender form	Date/Time of opening of Technical Bids	Date/Time of opening of Financial Bids
1. LAB EQUIPMENTS 2. GLASS WARE & CHEMICALS 3.LAB DEVELOPMENT ITEMS	40,000/-	25.02.2025 By 5:00 P.M	27.02.2025 1:00 P.M	03.03.2025

Interested firm may submit their sealed tender in two bid form as per term and condition of tender documents. The filled-in tender form for each item with **tender fee of Rs. 500/-and earnest money Rs. 40,000/-** both by demand draft in favor of **Principal, PATHANI SAMANTA COLLEGE,KHANDAPARA** should reach to the office by above date. The tender documents may be downloaded from our website www.pscollege.co.in

**Principal
Pathani Samanta College, Khandapara**

1. Director, I&PR Department with request to please publish this notice on 01 national level English Daily and 01 Odia Daily News papers..
2. Convenor, College Website Committee with instruction to upload the notice on college website.
3. Notice Board

**Principal
Pathani Samanta College, Khandapara**


Principal
P.S.College,Khandapara

Terms and conditions

1. Sealed tender should reach **OFFICE OF THE PRINCIPAL, PATHANI SAMANTA COLLEGE, KHANDAPARA** on or before **25-02-2025 by 5:00 PM**.
2. Suppliers should send their tender through **Registered Post/Speed** post only. No other mode will be accepted.
3. The Tender document may be downloaded from College Website: www.pscollege.co.in Bidders using downloaded tender forms from College website must submit cost of tender document by demand draft drawn in favour of **PRINCIPAL, PATHANI SAMANTA COLLEGE, KHANDAPARA**, Payable at STATE BANK OF INDIA KHANDAPARA along with technical bid. The bid form downloaded through College website submitted without tender fees will not be accepted.
4. The bidders enrolled under MSME are exempted from EMD submission and relevant documents shall be submitted as proof of the same.
5. **The tender without EMD, Less EMD and document fee will summarily be rejected.**
6. The amount of EMD will be refunded in case of unsuccessful tenderer on submission of application with money receipt in original soon after the final decision. In case of successful tender, it will be refunded after submission of performance security. The successful bidder will have to deposit 3% of the L1 estimated value as the performance security. It is to be submitted after issuing of LOI to the successful bidder .


Principal
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7. Company/firm should be **registered manufacturer/supplier** of the item.
8. The tenderer must enclose adequate documents to prove **their authorization claim**. If not enclosed this college reserve the rights to accept or reject tenders of these agencies. The decision of the college in this regard will be final and shall be binding on tenderer.
9. The College at its discretion may extend the last date of submission of tender and opening of tenders.
10. Late and **delayed tenders will not be considered** and shall be returned unopened to the Bidder.
11. If tenderer give wrong information, college reserves the right to reject such bid at any stage and forfeit the Earnest Money Deposit.
12. Bids submitted without supporting documents bare liable to be rejected.
13. In financial bid, the rate of item should be inclusive **of all taxes ,packing, forwarding, transit etc.**
14. The rate both in words and figures without any corrections or over writing should be quoted for each individual item separately. **The rates must be valid up to March 31,2025.**
15. **Quoting merely the lowest price does not confer any right to any bidder for award of supply order.** The Purchase Committee, reserves the right to select the equipment any bid under the grounds of specification compliance, technologically advanced quality, proven performance track record, brand reputation, service backup support & training, offer of additional / special features, compatibility with the existing System, etc.
16. On the acceptance of the rates as per the approved tender, the supply order will be placed by the Head of the office of college.
17. The college will reserve the full right to open/consider the second envelope if and only if the college is satisfied with information contents in envelope No.1.


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18. **The college has the right to accept or reject any tender partly or fully without arising any reason thereof.**
19. The items have to be supplied in standard packing at the premises of P.S.College, Khandapara, Dist-Nayagarh, Pin-752077, Odisha.
20. In event of any loss, damage, breakage or leakage or any shortage the bidder shall be liable to make good condition. Such loss and shortage found at the checking/inspection of the supplied Instrument/Equipment, "No extra cost" on such account shall be admissible.
21. Delivery has to be made **within 15 days** from the date of receipt of supply order.
22. **Each item should be strictly as per the specification.** In case of any deviation the college has the right to reject the item.
23. Installation, successful demonstration of equipment in the respective department is obligatory.
24. The training should be provided by the supplying companies for a minimum period of two days from the date of installation with an expert team.
25. If any item covered under warranty fails, the same shall be replaced free of cost including all the applicable charges including shipping cost both ways.
26. Final payment of Instrument/Equipment will be made only after installation and successful demonstration at the respective department of the college.
27. If the tenderer fails to comply with supply order within the specified period his order will be cancelled and EMD will be forfeited.
28. All the Tenders should be addressed to:

**Principal
P.S.College, Khandapara,
Dist-Nayagarh
Pin-752077**


Principal
P.S.College, Khandapara

Instructions to be followed by the Supplier/Tenderer

(A) Submission of tender bid(sealing and marking of bids)

Bid should be submitted in two envelopes as mentioned below:-

1. Envelope-1 Technical Bid (duly sealed)should contain

- (a) Application form (as per Annexure-I)*
- (b) Tender fee in the form of demand draft of Rs.500*
- (c) EMD of Rs.40000/-in the form of demand draft separately.*
- (d) Technical bid form (as per Annexure-II) duly filled.*
- (e) Copies of all certificate/documents in support of technical Bid.*

NOTE:-Above(a)to(e)not enclosed, the envelope 2will not be opened.

2. Envelope–2 Financial Bid(Duly Sealed)Should contain

- (a) 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 and forwarding, insurance etc.*
- (c) The rate in both words and figure without any correction or over writing should be quoted in financial bid.*

3. Envelope–3 (Duly Sealed):Should contain

- (a) Both Envelope1 &2*
- (b) This envelope must bear the following Identifications:*
 - (i) TENDER NOTICE FOR THE PURCHASE OF LAB EQUIPMENTS/LAB DEVELOPMENT ITEMS*
 - (ii) Tender Reference No.*
 - (iii) DT.*
 - (iv) Name & Address of the Tenderer with Phone & e-mail ID*


Principal
P.S.College,Khandapra

**TENDER APPLICATION
FORM**

To,

**Principal
P.S.College,Khandaara**

Sir,

With reference to your Notice Reference **No.113/HE-NCNE-PLAN-0003-2024/PSCK /2025, Dt.04/02/2025** I am here by submitting my tender for the supply, installation and maintenance of *TENDER NOTICE FOR THE PURCHASE LAB EQUIPMENTS AND LAB DEVELOPMENT ITEMS* accepting the terms & conditions mentioned in the tender document.

1	Name of the Bidder/Company name	
2	Full Postal Address	
3	Telephone Nos./Mobile Nos./Fax Nos. name of the Person Post Held	
4	Email ID	
5	PAN No.	
6	GST No.	
7	Tender submitted for the Brand(Please specify)	
8	EMD Demand Draft No. &date	
	Issuing Bank Details	
	Amount(in INR)	

Undertaking

I, the undersigned certify that I have gone through the terms & conditions mentioned in the bidding document and undertake to comply them.

The rates quoted by me are valid and binding upon me for the entire validity period and it is certified that the rates quoted are minimum and rational as per existing market rate.


Principal
P.S.College,Khandaara

I give the rights to the competent authority of the Office of The Principal, P.S.College,Khandapara to forfeit the Earnest Money Deposit (EMD)/security Deposit by me/us if any delay occurs on my/agents part or fail to abide by the provision of the bidding document.

I hereby undertake to execute the work/supply order as per direction given in the tender document within stipulated period.

Date:

(Signature of the Bidder)

Place:

Name—

Designation—

Registration No. of supplier/tenderer

(Official seal of the Bidder)


Principal
P.S.College,Khandapara

TECHNICAL BID**Instrument/Equipment/ItemName.....**

		Enclosed Yes/No
1	Name of the Tenderer/Company name	
2	Contact address, Telephone No. ,Mobile No. with e-mail ID	
3	Company/firm Registration No.(Copy to be enclosed)	
4	GST registration certificate(Copy to be enclosed)	
5	Experience Certificate in this field(Attach Separate sheet)	
6	Annual Turn over(Copies to been closed)	
7	Certificate of Sole Manufacturer/authorized Dealers of manufacturers/authorized supplier	
8	Tender Fee	
9	EMD Demand Draft No. and date	
	Issuing Bank details	
	Amount(in INR)	
	EMD Exemption certificate(if applicable)	

We agree with all the terms and conditions of the tender.

Name & Signature with Seal of the supplier

Principal
P.S.College,Khandipra

Annexure-III

Financial Bid for Instruments

Name of the tenderer.....

Financial bid submitted for (Item Name.....Item No.....)

Make/Model.....

Sr.No	Price details		Price per Unit
1.	Cost of instrument/equipment with essential accessories		
2.	GST payable	CGST	
		SGST	
		IGST	
3.	Packing and forwarding charge up to station of dispatch		
4.	Transportation and insurance charges up to destination		
5.	Installation, commissioning and training charges if any		
6.	Any other charges, if any		
	Total Price inclusive all charges and tax(Sum of 1 to 6)		

Total Bid price in

figures..... In

words.....

....

(Seal & Signature of the
bidder)


Principal
P.S.College, Khandapra

Date _____

Subject: Acceptance of Terms & conditions of Tender.

I/We hereby certify that I/we have read entire terms & conditions of the tender documents from Page (including all documents like annexure, schedules etc.) which form part of the tender document and I/we shall abide by the terms & conditions/clauses contained therein.

The corrigendum(s) issued from time to time by Principal,P.S.College,Khandapara, to have also been taken into consideration, while submitting this acceptance letter.

I/We hereby unconditionally accept the tender conditions of above-mentioned tender document(s)/corrigendum(s) in totality/entirely.

In case any provisions of this tender are found violated, Principal,P.S.College,Khandapara, Dist-Nayagarh,Odisha shall be at liberty to reject this tender/bid including the forfeiture of the full said earnest money deposit absolutely and we shall not have any claim/right against Principal,P.S.College,Khandapara, Dist-Nayagarh,Odisha in satisfaction of this condition.

I/We confirm that we or our Proprietor/Director/Partner have not been blacklisted or debarred or declared ineligible for corrupt/fraudulent practices either indefinitely or for a particular period of time by any Government or other agency. I/we further declare that no criminal case is registered on pending against the firm/company or its owner/partners/directors anywhere in India. Also, there are no contractual restrictions or legal disqualifications or other obligations which prohibit the applicant from entering into tender process.

(Seal & Signature of the bidder)

Principal
P.S.College, Khandapra

PATHANI SAMANTA COLLEGE, KHANDAPARA
DEPARTMENT OF PHYSICS
LAB. EQUIPMENT

Sl.No	Name	Quantity
1	Mat Lab software(16-user)	1
2	Determine the Hall coefficient of a semiconductor sample	1
3	Milikan's oil drop experiment(set up)	2
4	Prism	16
5	Sodium Light	1
6	Mercury Light	1
7	Quink's tube experiment (set up)	1
8	Thevenin Theorem	1
9	Norton Theorem	1
10	Verify the law of Malus for plane polarized light	1
11	Glass slab	24

DEPARTMENT OF MATHEMATICS

Sl.No	Name	Quantity
1	Laptop	1
2	Matlab software	2

DEPARTMENT OF BOTANY

Sl.No	Name	Quantity
1	Camera Lucida	1
2	Autoclave	1
3	Colony counter	1
4	Haemocytometer	1
5	Hot Air Oven	1
6	Magnetic Stirrer	1
7	Hot Plate	1
8	PH Meter	1
9	Water bath(temp control)	1
10	Spectrophotometer	1
11	Binocular microscope	1
12	Digital Balance	1

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DEPARTMENT OF CHEMISTRY

Sl.No	Name	Quantity
1	Toungd	20 No
2	Blow pipe	30 No
3	Triangular File	4 No
4	Rubber Cork	1 Pkt.
5	China Dish	20 No
6	Wire gauze	2 Pkt.
7	Tripod stand	20 No
8	Burette stand	20 No
9	Filter paper	5 Pkt.
10	Starch Iodide paper	5 Pkt.
11	Rubber pipe	1 Meter
12	Holder	30 No
13	Charcoal block	2 pkt.

DEPARTMENT OF ZOOLOGY

Sl.No	Name	Quantity
1	Reflex hammer(Rubber mat let)	1
2	Spirit lamp	5
3	PH meter systronics	1
4	Digital Balance	1
5	Microtone knife price	1
6	Haemocytometer	1
7	PPE KIT	1
8	Auto clave	1
9	UV light	1
10	Agar Plates	1
11	Laminar Air flow	1
12	Cork Borer	6

PATHANI SAMANTA COLLEGE,KHANDAPARA
LAB. DEVELOPMENT

Sl.No	Name	Quantity
1	Xerox machine with colour printer	05
2	Book self (glass fitted)	10
3	Chair	20
4	Almirah (glass fitted)	10
5	Computer table	10
6	Canon DSLR Camera with Zoom lens	02
7	Notice Board	05
8	Bulletin Board	05
9	Projector LCD	05
10	Desktop	9


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PATHANI SAMANTA COLLEGE, KHANDAPARA
LIST OF CHEMICALS
DEPT. OF BOTANY

Sl.No	Name	Quantity	REMARK
1	Calcium Chloride	500 gm X 2	Merck
2	Borium Chloride	500 gm X 2	Merck
3	Phenlphthaline Indicator	50 ml X 2	Merck
4	Sodium thiosulphate	500 gm	Merck
5	Potassium Hydroxide	500 gm	Merck
6	Potassium Sulphate	500 gm	Merck
7	Sodium EDTA	500 gm	Merck
8	Alpha naphthalamine Hydrochloride	250 gm X 2	Merck
9	Potassium Iodide	50 gm X 2	Merck
10	Methyl orange indicator	50gm	Merck
11	Sodium Carbonate	500 gm	Merck
12	Sulphuric Acid	2LT	Merck
13	Potassium Dichromate	250 gm	Merck
14	Ortho Phosphoric Acid	500 ml	Merck
15	Potassium Dihydrogen phosphate	50 gm X 2	Merck
16	Potassium Hydrogen phosphate	50 gm X 2	Merck
17	Zinc Sulphate	500 gm	Merck
18	Cobalt Chloride	500 gm	Merck
19	Sucrose	500 gm	Merck
20	Ninhydrin	100 gm	Merck
21	Grams Iodine	100 ml X 2	Merck
22	Grams crystal violet	100 ml X 2	Merck
23	Grams Safranin	100 ml X 2	Merck
24	Acetocarmine	100 ml X 2	Merck
25	Ammonium Phosphate	25 gm	Merck
26	Kinetin for Tissue Culture	smallest pack	Merck
27	2, 4,D for Tissue Culture	smallest pack	Merck
28	IAA for Tissue Culture	smallest pack	Merck
29	Gibberlic Acid for Tissue Culture	smallest pack	Merck

DEPT. OF CHEMISTRY

Sl.No	Name	Quantity	REMARK
1	Sulphuric Acid	5LT	Merck
2	Potassium Dichromate	500 gm	Merck
3	Nitric Acid	2 lit	Merck
4	Hydrochloric Acid	5 lit	Merck
5	Strontium chloride	500 gm	Merck
6	Calcium Oxide	500 gm	Merck
7	Sodium Hydroxide	500 gm	Merck
8	Copper Turning	500 gm	Merck
9	Potassium Iodide	50 gm	Merck
10	Potassium Sulphate	500 gm	Merck
11	Potassium Permanganate	500 gm	Merck
12	Sodium Sulphite	500 gm	Merck
13	Sodium Nitrate	500 gm	Merck
14	Lead acetate	500 gm	Merck
15	Sodium chloride	1 kg	Merck
16	Ferrous Sulphate	500 gm	Merck
17	Ammonium Carbonate	500 gm	Merck
18	Ammonium Nitrate	500 gm	Merck
19	Acetic Acid	1 lit	Merck
20	Calcium Sulphate	500 gm	Merck

DEPT. OF ZOOLOGY

1	Seliwanoff reagent	2	Merck
2	Barfoed's Reagent	500ml	Merck
3	Ninhydrin solution	500ml	Merck
4	Bovine serum albumin	100gm	Merck
5	Disodium phenyl phosphate	1	Merck
6	WBC diluting fluid	1	Merck
7	Haematoxylin stain	1	Merck
8	Eosin soluble in alcohol	1	Merck
9	DPX	1	Merck
10	Basic fuchsin	1	Merck
11	lancet	1	Merck
12	Antiserum prices for ABO blood group	1	Merck
13	NACL	1	Merck
14	Agar	1	Merck
15	peptone	1	Merck
16	Yeast	1	Merck
17	Distilled water	1	Merck


 Principal
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PATHANI SAMANTA COLLEGE, KHANDAPARA
GLASS WARE
DEPT. OF BOTANY

Sl.No	Name	Quantity	REMARK
1	Glass beaker (100 ml)	6	Borosilicate
2	Glass beaker (250 ml)	6	Borosilicate
3	Glass beaker (500 ml)	6	Borosilicate
4	Glass beaker (1000 ml)	6	Borosilicate
5	Conical Flask 250ml	6	Borosilicate
6	Conical Flask 500ml	6	Borosilicate
7	Funnel 2.5 c.m in diameter	6	Borosilicate
8	Funnel 5 c.m in diameter	6	Borosilicate
9	Funnel 7.5 c.m in diameter	6	Borosilicate
10	Measuring cylinder 5ml	6	Borosilicate
11	Measuring cylinder 10ml	6	Borosilicate
12	Measuring cylinder 50ml	6	Borosilicate
13	Measuring cylinder 100ml	6	Borosilicate
14	Measuring cylinder 250ml	6	Borosilicate
15	Volumetric Flask 100 ml	6	Borosilicate
16	Volumetric Flask 250 ml	6	Borosilicate
17	Volumetric Flask 500 ml	12	Borosilicate
18	Petridish 7.5 c.m	12	Borosilicate
19	Petridish 8.75 c.m	12	Borosilicate
20	Burette & Pippette 10ml	12	Borosilicate
21	Burette & Pippette 5ml	12	Borosilicate
22	Reagent Bottle 250 ml	20	Borosilicate
23	Dropping Bottle 250 ml	12	Borosilicate
24	Specimen Jar	12	Borosilicate
25	Watch Glass 75 mm. Dia.	2 pkd	Borosilicate
26	Test tube 12 X100 mm.	3pkd	Borosilicate
27	Hard Glass Test tube	1pkd	Borosilicate
28	Slide	3pkd	Borosilicate
29	Cover Slip 12 X 12	5pkd	Borosilicate

Principal
P.S.College, Khandapara

DEPT. OF CHEMISTRY

Sl.No	Name	Quantity	REMARK
1	Glass beaker (500 ml)	25 No	Borosilicate
2	Glass beaker (250 ml)	25 No	Borosilicate
3	Reagent bottle(500ml)	25 No	Borosilicate
4	Reagent bottle(1 lit)	20 No	Borosilicate
5	Reagent bottle(250ml)	20 No	Borosilicate
6	Glassrod	50 No	Borosilicate
7	Glass Pipe	50 No	Borosilicate
8	Double blue glass	30 No	Borosilicate
9	Burtte	25 No	Borosilicate
10	Hard glass test tube	30 No	Borosilicate
11	Funnel	20 No	Borosilicate
12	Water bottle	20 No	Borosilicate
13	Test Tube	12pkd.	Borosilicate
14	5 lit. Reagent bottle	10 No	Borosilicate

DEPT. OF ZOOLOGY

Sl.No	Name	Quantity	REMARK
1	Glass measuring Jug	2	Borosilicate
2	Glass beaker	15	Borosilicate
3	Conical Flask	5	Borosilicate
4	Petridish	10	Borosilicate
5	Glass reagent bottle 25 ml	10	Borosilicate
6	Measuring Graduated cylinder	5	Borosilicate
7	Glass corvette spectrometer cell cuvelte lab glass ware 10 mm	2	Borosilicate
8	Box for glass specimen tube	1	Borosilicate
9	Centrifuge Tube	set	Borosilicate
10	Specimen Jar	10	Borosilicate
11	Micro slide		Borosilicate
12	Ignition tube	100	Borosilicate
13	Glass rod	1	Borosilicate


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P.S.College,Khandapra

Item Sl.No	Specification
1	HP Laser jet Pro MFP M126a Printer Multi function, Monochrome Laser Printer.
2	HP DESKTOP (S01-PF21231 N , Slim Tower 12gen.intel core i5-12400, 8 GB RAM /512GB SSD, Black wired key board and mouse, Intel UHD Graphics 730/windows11/ MS Office, Dark Black 19.5” Monitor, 3 Yr. warranty
3	Black Chair Stainless Steel(Chrome) 50.8 D X 50.8w X 88.9H cm. wt.8 KG
4	Iron Almirah. Mild Steel Gray 6.5 feet height 2 doors W X H X D-75X 32X 18”
5	Book Self 4 self, 5ft X 3 ft, Paint coated, Mild steel, Rectangular.
6	Computer Table Rectangular, 20D X 5W X 12 item, Wood Colour, Metal painted laminated, Self-01, Cabinate -01, Table thickness -29.5” Max.Height-60 c.m Top colour-Black


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7	LCD Projector Bend MX560 DPL,4000 Limens ,High Brightness, 20000:1 High Contrast ratio, Duel HDML,USB-A, UPTO 15000 Hrs ,Extra –long lamp life 10w speaker,3D-capable,White Display resolution-1024 X 768 Max-1024 X 768 Pixel Wattage-50w Dimmension-7L X 19.9 W X 15.1 H Cm VGA CABLE ,Power cord Remote Warranty Card
8	NOTICE BOARD (GREEN) Dimenssion-1800*1200 MM Aluminum frame Pin up board With wall fitting kit
9	Bulletin board Land scape with single Door Aluminum frame 6 ft*4 ft Lockable, pin up.

LAB EQUIPMENT

1. HALL Co-efficient of a Semiconductor Sample

Power supply –0-20V,5A
Gauss Meter with Hall Probe
P.type Ge Crystal T-0.5 mm
Width-4 mm
Length-5 mm
Mulimeter
500 turns coils

2. Malus LAW Experiment

A diode Laser
A Polarizer –Analyzer pair
Photo detector
Detector out put(Micro ammeter)
Dial fitted to the polarized optical bench

3. Norton's and Thevenin's Theorem

DC regulated power supply -one fixed (+12 v)
Analog moving coil meter – Two (3v,15 v)
Load resistance -3 number 25 ohm , 50 ohm, 100 ohm
Cabin ate Size -280 X 205 X 85 mm
Power supply-220v Ac,50 Hz

4. Prism glass

Quantity -10 pcs
Size-38 X 38 mm
Equilateral ,Superior size

5. Millikan oil drop experiment set up

Model LIC –EM – 3(Black)

6. Quinck's Method

LMP – 304
Digital display
Electromagnet
Regulated Power Supply
Digital Gauss meter
Quinck' tube with stand
Travelling microscope

7. Glass slab

Rectangular Size- 100x60x20mm

8. Sodium Lamp

Power 35w
Base type
Lighting type – yellow
Model No sl5

9. Mercury lamp

Power 25w
E40HPmv

10. Camera Lucida

Power source battery
Weight 10kg
Size 48x33x28cm
Height 28cm
Width 33cm
Lemon optical glass prism

11. Ocular micrometer -1mm**12. Stage micrometer**

Generic metal
M.M.S.M with horizontal slide
1mm to 100division per measurement

13. Colony counter

Digital 4 digits
LED display with pen and magnifier lens
Range 0-9999

14. Reflex hammer

Aluminum Alloy steel handed
Weight 514gm
Dimension – 34lx13.5x31cm

15. warp round Laminar flow

12mx2.0m Nexus optical table
HEPA for filter circuit , air quality momiter
Interior Dimension 1230 X 2100 X 1132.5 mm
Frame Dimension 2.2 mm X 1.33 X 2.36mm
Crate Dimension 2.29 X 0.25 X 0.29 mm
230v,4' X6' -Table
115v fan Unit, US Plug
UV Lamp unit

16. Split lamp

Stainless steel
Fuel –Alcohol

17. Ignition Tube

Quartz glass ware -10ml
Outer dimension – 300x22mm
Inner dimension - 17mm

18. Micro slide

Packet of 100

19. Cork borer

Set of 6 Chrome plated/ brass

20. Spectrophotometer

Dimension 44x31x24cm ;10 kg
Memory stick 1
Height- 14cm Width- 21cm
Uv visible spectrum (340-960mm) , High sensitivity

21. Calorimeter

8 digital filter
Range 405 -700 nm
1ml volume measurement

22. Binocular microscope(Umi lab)

Shock proof Styrofoam Packing
Power cord
Vinyl Cover
Clearing cloth
a roll of lens clearing paper
5 bottles of immersion oil
100 ml cleaning
Silica gel set
Di-casting-plastic-brass
Multi colour
Voltage -220v
Light source type - LED
Real angle of view-45 ° C
Objective lens
Power source-chord
Eye piece-Ach-Ewe 10 x,5 X Hug strain free
Binocular head inclined at 45° rotatable to 360 °
Anti reflection and fungus protected prismatic set
Objective-Achromatic 4x,10x, 40 X (SL) AND 100 X (SL) Immersion

23. 4 LAB 6 Holes stainless 304

Rectangular double wall
Water bath with themostic control
Frequency-50Hz
Hole diamagnetic -75mm
Heating-immersion
Sensitivity –Temp 1.5 degree centigrade
Steel grade-55304, 5 to 100 degree centigrade
Material-outer chamber - mild steel , inner and lid-stainless steel
User manual

24. Hard glass tube (25 X 100mm)

25. Glass rod(250 X 6) mm

CHEMISTRY

1. Double blue glass 30 pcs.(Borosilicate)
2. Reagent bottle 500ml, 25 +20+110 (1lit.5lit) .(Borosilicate)
3. Glass Pipe-2 mus.(Borosilicate)
4. Charcoal black-100 X 25 X 25 CM-1 KG
5. Tong – 6 in ,8 in,10 in 12in
6. Blowpipe-10in-20 nos
7. Triangular File-8 in -6 no's
8. Rubber Cork-size1-11
9. China Dish-20mm-12 no's
10. Wire guaze - 6 in-29 nos
11. Tripod stand- 6 X 4 in
12. Burette Stand -5 ml to 50 ml
13. Filter paper -7cm-5 pol
- 14.Starch iodide paper-100 leaves/box
- 15.Rubber Pipe -1/1 inch
16. Holder -21 cm

Constant temperature water bath

- Double Walled In Construction.
- Inner Chamber And Lid Made Of Stainless Steel. Outer Chamber Made Of Mild Steel With Powder Coating.
- Glass Window is fixed on the Front for Both Sides Clear Observations While Immersion Test.
- The Gap Between The Chambers Filled With High Grade Glass Wool To Minimize The Heat Loss.
- .Temp. Ranged From above 5°: Ambient To 38°C and Temp. Controlled by Digital Temp Indicator Cum Controller With An Accuracy Of $\pm 0.5^\circ\text{C}$.
- A High Speed Stirrer With A Motor Of 1/20 Hp Is Fitted To The Unit For Continuous Stirring And This Can Maintain A Uniform Heating Throughout. The Chamber.
- *The Heating Mechanism Comprises Of Set Of Heaters Pertaining To Fast Heating To Operate 230 Volts Ac Only.
- .Designed For Immersion Requirements and for External Circulation to Maintain Constant Temp.
- .To Operate 230 Volts Ac Only.
- Size 12"x10"x8" (20Lit)

Electronic balance top pan

Capacity: 220g
Least Count: 0.001g
Repeatability: ± 0.001
Linearity: ± 0.0015
Response time: less than 3 Sec.
Display Type: LCD with Back-Light
Calibration Type: External
Pan Diameter: 110mm

Spectrophotometer

Single beam, range 340-960nm with facility for auto concentration, % Transmission, absorbance and K Factor measurements. It has 16x2 line alphanumeric LCD for data & wavelength display. Its sample holder accommodates glass cuvette of 10mm path length. Facility has been provided for 100 sample data storage and interface for any dot matrix printer. A set of two glass Cuvette is provided.

pH Meter

With 128x64 dots graphic LCD display showing pH, mV, Temperature, having auto temperature compensation, auto buffer recognition along with accessories. Data storage facility upto 1000 samples & external serial printer attachment facility available.

Laboratory Oven

Construction: Double walled construction outer body made of Mild Steel powder coated, & Inner Body

Made of Stainless Steel grade S.S 304.

Insulation: Glass wool insulation between two walled.

- Temperature: 50°C to 250°C.

- Accuracy: $\pm 1^\circ\text{C}$.

Temp. Controlled by: controlled by PID Microprocessor controller with dual display

- With S.S. selves

Supplied with air circulation motor with blower for uniform temperature throughout chamber.

Heater special Nicrome heater designed for long life saving of power consumption. Size 18"x18"x24"

Hotplate

Construction of body made of M.S. powder Coated & top made of heavy cast iron plate for long lasting life.

Special spring type of beaded coil fitted in plate for uniform temperature on plate.

Maximum Surface temperature upto 300°C.

Size 12"x18"

Digital temperature controller

Electronic Stirrer

Ultra-flat compact magnetic stirrer, guaranteed with modern magnet coil technology. Wear-free with no moving parts. To ensure better mixing, the lab disc can reverse direction of rotation automatically every 30 seconds.

No moving parts-truly maintenance free

Low aspect ratio (just 12mm thick) Software driven gradual acceleration

Adjustable speed (15 to 1500 RPM) with digital display

Microprocessor controlled with last run memory feature

Stirring cap. 800ml - setup place of 100 mm

Pulse mode-reverses the direction every 30 secs for proper mixing

Universal power supply-small wall mount adaptor

IP65 compliant design (Water spill resistant)

Corrosion resistant SS top surface to fight harsh chemicals

Recommended Stir bar length 25mm

Supplied with 1 (one) high strength stir bar

Colorimeter

Microprocessor Photo Colorimeter with 8 glass filters covering range of 400-700nm with facility for auto concentration, % Transmission, Absorbance and K factor measurement. It has 16x2 line LCD data display. Its sample holder accommodates glass test tubes of 10mm path length. Facility has been provided for 100 sample data storage and interface for any centroid printer

Autoclave

Double walled complete body made of S.S.304.

Double safety valve working valve set on 15 PSI & extra safety valve set on 20 PSI to control pressure in autoclave.

Analogue pressure gauge to check pressure.

Supplied with S.S. Basket.

Inner size 12" Dia x 20" Ht.

Optional Accessories

Digital Temperature indicator cum controller with timer Water

Level cut off

Pressure cut off switch

Laminar flow

Horizontal made of Mild Steel duly epoxy powder coated, and Work bench covered with 304 grade S.S. Sheet. Microprocessor control digital display for Blower, U.V. Light (with timer) and LED Light. Digital

Manometer with filter failure alarm.

Working chamber size 90x60x60cm

Binocular Microscope

Frame

Paint

Nose piece

Observation head

Focusing systems

Mechanical stage

Eyepieces & Objectives

Illumination

Phase contrast Microscope

All aluminum pressure dies casted body.

Powder coated, available in various desired shades. Quadruple ball bearing nose piece.

360° rotate able and 45° inclined head with all Anti-fungus coated prisms.

Separate knobs for coars and fine motion having least count of 0.002mm.

CXL mechanical stage works on dovetail.

Slides (other stages also available).


Principal
P.S. College, Khandapra

Set of 4x, 10 xs, 40 xs and 100 xs and a paired set of 10x wide field eyepieces.
6V/20W halogen lamp needs 220V and 50Hz supply.

Mortar pastel

Made of a gate Size 4-5''

Waterbath

Double Walled filled with high grade glass wool insulation between the two chambers. Outer Chamber made of M.S with powder coating and Inner chamber made of Stainless Steel. Temp. Controlled by thermostatic. Temp. Range 5°C above ambient to 99°C. Supplied with 7.5 cm concentric Ring.

Inner working size of Water bath Size in inches	Rating watts	No. of Holes
35x25 x10 cm	1000	6Hole

Optional Accessories for Water bath:

a) Microprocessor PID controller (for accuracy ± 1 deg)

Hot Air Oven

FZN

14 X 14 X 14, 28 L

Inside Aluminum and outside mild steel sheet powder coated

Temp- $+5^{\circ}$ ambient to 200 C

Double walled

Heating elements are placed in ribs at the bottom and sides are built in 1 shape thermometer

Adjustable -2-shelves

Two indicators

Thermos let

Low and High, medium rotary switch

220/230 v .Ac

Canon DSLR CAMERA (Eos 3000D)

18 MP-Digital SLR (Black)

18-55 MM is II lens

Carry Lose

Micro frame Knife

140mm knife micro frame blade with back handle

Digital Balance

Auto off, LCD

Two way of power supply

Capacity X Accuracy -50 gm X 0.001gm

Adjustable fit and bubble level

2 X 20 gm calibration wt.

Powder Pan, Scoop, stain less steel tweezers

20 gm calibration wt.

USB Cable

Mat lab software

Mat lab software-R2024 B (32 Users)

Haemocitometer

Wt.300 gm

Package Dimention-15 X 10 X 10 CM. 300 CM

Type - 3 parts

No of Chambers-2

Depth -0.100 mm to 0.0025 mm