

**OFFICE OF THE PRINCIPAL  
DHENKANAL AUTONOMOUS COLLEGE, DHENKANAL**

No.DACD-EST-2025, 05 / DACD, Dated: 02/01/2025

To

The Director,  
I & PR Department,  
Bhubaneswar.

*Sub:* - Request for publication of Advertisement.

Sir,

You are requested to take necessary steps to publish the enclosed advertisement in widely circulated in one Local (Odia) & one National daily (English) Newspaper Odisha edition on or before 05.01.2025 for circulation among the public. The cost shall be paid on submission of bills in duplicate after the publication.

Enclosure: Advertisement copy

Yours faithfully,

*Chinm*  
Principal  
Dhenkanal Auto College,  
Dhenkanal  
02.01.25

Memo No. 06 /DACD, Dated: 02/01/2025

Copy to I & PR Department, Dhenkanal / OIC, Website with a request to host the advertisement and other relevant documents in the College website / Accounts Section/ Establishment Section for information.

*Chinm*  
Principal  
Dhenkanal Auto College,  
Dhenkanal  
02.01.25

*o/c*  
02/01/25



**OFFICE OF THE PRINCIPAL,  
DHENKANAL AUTONOMOUS COLLEGE, DHENKANAL**

email ID – [samsdklcollege@gmail.com](mailto:samsdklcollege@gmail.com) / website :- [dhenkanalcollege.ac.in](http://dhenkanalcollege.ac.in)

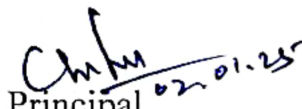
Letter No. 04

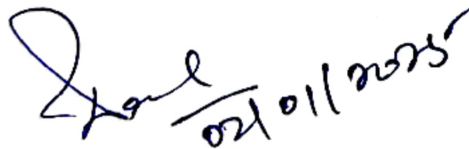
Date: - 02/01/2025

**TENDER CALL NOTICE**

Sealed tenders are invited in 2 bid system (Department wise to be super scribed) from interested reputed registered firms / authorised suppliers having valid up-to-date GST/IT clearance for supply of Laboratory Equipments / Chemicals and Consumables of reputed make so as to reach the undersigned on or before 21.01.2025 by 5.00 PM by registered/speed post only. The authority reserves the right to cancel the tender in whole or part without assigning any reason thereof.

For details, visit the College website: <https://dhenkanalcollege.ac.in/>

  
Principal 02.01.25  
**PRINCIPAL**  
Dhenkanal Autonomous College  
Dhenkanal Auto College,  
Dhenkanal  
Dhenkanal

  
02/01/2025

## DETAILS OF TENDER CALL NOTICE

### 1. Schedule of Tender

Tender No	No. 04 / Dt. 02.01.2025
Name of the Tender Issue	Principal, Dhenkanal Autonomous College, Dhenkanal
Scope of work	Supply of Laboratory Equipments / Chemicals and Consumables. <b>Department wise:-</b> 1. Physics                      6. Bio-Technology 2. Chemistry                    7. Psychology 3. Mathematics                8. Education 4. Botany                        9. Commerce 5. Zoology                      10. Comp. Science Technical Bid and Financial Bid as per Annexure-I & Annexure-II
Last date and time for submission of bids	21.01.2025 by 5.00 PM
Date and time for opening of bids	22.01.2025 at 11.30 AM
Name of the contact person for communication	Dr. Debaraj Parida, Accounts Bursar Dr. Sambit Kumar Sahu, Asso.Accounts Bursar
Contact number of the Concerned person	9437035992 9437865420
Address for communication	Principal, Dhenkanal Autonomous College, Kunjakanta, Dhenkanal, Odisha Pin-759001
Cover containing tender should be Superscribed	Tender for supply of Laboratory Equipments / Chemicals and Consumables <b>Department wise:-</b> 1. Physics                      6. Bio-Technology 2. Chemistry                    7. Psychology 3. Mathematics                8. Education 4. Botany                        9. Commerce 5. Zoology                      10. Comp. Science
Address for delivery of Laboratory Equipments / Chemicals and Consumables	At the respective Departments, Dhenkanal Autonomous College, Kunjakanta, Dhenkanal, Odisha Pin-759001
Mandatory Submission <ul style="list-style-type: none"><li>• Technical Bid</li><li>• Financial Bid</li><li>• Self declaration for not black listed</li></ul>	<ul style="list-style-type: none"><li>• Annexure – I</li><li>• Annexure – II</li><li>• Annexure – III</li></ul>

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## **2. Bidders Eligibility/ Criteria**

- a) Bidder must be a reputed Registered Firm/ Authorised Supplier/ Dealer of supplying Laboratory Equipments / Chemicals and Consumables. Necessary certificate to this effect must be enclosed.
- b) The bidder must have a valid GSTIN for Laboratory Equipments / Chemicals and Consumables.
- c) The bidder must have PAN allotted by the Income tax Department.
- d) The bidder must have the willingness for providing all the Laboratory Equipments / Chemicals and Consumables.
- e) Annual turnover must be Rs. 10 Lakhs in last two years (2022-23 & 2023-24). As a letter of support, a bidder must submit the audited P & L A/c Balance Sheet of last two financial years.
- f) The bidder must have cleared GST & Income Tax Payment up to 31.03.2024 & attested copies of GST clearance certificate from the concerned Dept. & attested copies of Income Tax reform certificate from the competent authority up to 31.03.2024 must be enclosed along with documents.

## **3. Bidding Procedure (Two Bid System):-**

- (a) Technical bid consisting for each Department such as Physics, Chemistry, Botany, Zoology, Mathematics, Bio-Technology, Comp. Science, Psychology, Education & Commerce of all technical details along with all requisite documents.
- (b) Financial bid indicating item wise for each department such as Physics, Chemistry, Botany, Zoology, Mathematics, Bio-Technology, Comp. Science, Psychology, Education & Commerce price for the items mentioned in the technical bid.
- (c) Technical bid (Annexure-I) & Financial bid (Annexure-II) should be sealed in separate covers duly super-scribed as "Technical bid" for supply of Laboratory equipments / chemicals & consumables, Dhenkanal Autonomous College, Dhenkanal and super-scribed as "Financial bid" for supply of Laboratory equipments / chemicals & consumables, Dhenkanal Autonomous College, Dhenkanal.

Technical bid shall be opened at the first instance and evaluated by technical committee. At the second stage financial bids of only technically

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qualified bidders shall be opened for financial evaluation and ranking before awarding the contract.

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

Bid should be submitted item wise (for each Department) in two envelopes as mentioned below :

**Envelope – 1** Technical bid duly signed & super-scribed as “Technical bid” for supply of Laboratory equipments / chemicals & consumables, Dhenkanal Autonomous College, Dhenkanal .

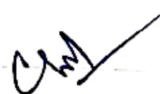
- (a) Technical bid form (As per Annexure – I) duly filled department wise
- (b) Copies of all self certificates / documents in support of Technical bid.

**DOCUMENTS TO BE PROVIDED WITH THE TECHNICAL BID**

1. Copy of PAN Card.
2. Copy of the IT return filed for the last two financial year i.e. 2022-23 and 2023-24.
3. Copy of GST registration Certificate
4. Copy of single contract on similar work if available.
5. GST clearance certificate up to 31.03.2024
6. Authorization letter from manufacturer/wholeseller.
7. Name of the Bank
  - a) Account number:
  - b) IFSC Code:
  - c) MICR Number:
8. Copy of the Audited statement of accounts (Balance sheet, profit& loss accounts etc.) showing minimum turnover 10 laks in each F.Y. 2023-24 & 2024-25.

**Envelope – 2** Financial Bid duly signed and super-scribed as “Financial bid” for supply of Laboratory equipments / chemicals & consumables, Dhenkanal Autonomous College, Dhenkanal.(Annexure- II)

- (a) Financial bid form (Annexure –II) duly filled Department wise.
- (b) 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) Tender Envelop 1 & 2 (Annexure-I & II).
- (b) Self declaration for not black listed. (As per Annexure – III)

**(5) 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 equipments / chemicals & consumables.
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 said 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 said 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 & Technical 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 back up support and training, offer of additional features, and any other relevant features.
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 department 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 made within 20 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. and quoted price.
15. The item included in the list is tentative and may not be procured while ordering which is the sole discretion of Principal, Dhenkanal Autonomous College, Dhenkanal.
16. The successful bidder with quoted price as approved by the College shall be considered for issue of purchase order only when the bidder fulfills all the terms and conditions laid down in tender documents.
17. The vender shall adhere to the timeline provided by the College.
18. 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.
19. A copy of recent catalogue of supplied items is to be submitted along with triplicate copies of bills/ invoices. Internet price proof is not accepted under any circumstances.
20. Supplied items, of any found damaged lost subject replacement at the cost of supplier before receiving final payment.
21. Process of the supplied items charged in the bills / invoices are subject to recovery of any excess found later on.

*Handwritten signature*

22. Copies of the way bills have to be used & submitted while supplying the goods.
23. Any loss caused to the institute due to any wrong calculations / claims will be recovered from the supplier at any time.
24. The Offered rates will be valid initially for a period of one year. The institute can place order on the same terms & conditions within in this period.
25. Acceptance of tender will be intimated to the successful bidder through a letter of intent.
26. The supplier will provide warranty/Guarantee as per the product & under warranty period all the damaged items shall be repaired / replaced by the supplier at their cost and risk.
27. Warranty/ guaranty period and after sales service conditions etc. are also to be clearly indicated.
28. AMC charges if any will be mentioned in the tender.
29. Conditional tender will not be accepted.
30. Any corrections/ corrigendum will be given in our Official website i.e. <http://dhenkanalcollege.nic.in/>. Please visit College website regularly for any information/ update. No separate advertisement, information will be provided in this regard in the news paper.
31. Any dispute arising out of the transaction is subject to the jurisdiction of Dhenkanal Court only.
32. The authority reserves the right to accept or reject the tenders in whole or part without assigning any reasons thereof.

**Payment:-**

Payment will be made on submission of bills after complete satisfactory supply, installation, operation, functioning and duly verification of articles by our technical and purchase committee members as per OGFR rules. No advance payment will be made for the said purpose.

  
Principal 02.01.25  
Dhenkanal Autonomous College  
Dhenkanal Auto College.  
Dhenkanal



**TECHNICAL BID**

(To be enclosed in separate sealed cover & super-scribed on the envelope as "Technical bid" for supply of Laboratory Equipments, Chemicals & Consumables,  
Dhenkanal Autonomous College, Dhenkanal

Sl. No.	Description	To be filled in by the supplier which is compulsory
1	Name of the bidder  A. Full postal address  B. Mobile No.	
2	GST Registration No (Attached copy)	
3	PAN No (Attached Copy)	
4	Copy of the IT return filed for last 2 FY 2022-23, 2023-24 (Attached copy)	
5	GST clearance certificate upto 31.03.2024 (Attached copy)	
6	Authorisation letter from manufacturer (Attached copy)	
7	Copy of similar contract on similar work (copy attached)	
8	Bank details (Attached copy) A. Name of the Bank B. Account No. C. IFSC Code D. MICR No.	
9	Copy of the audited statement of Accounts (Balance sheet profit & loss account for the last two F.Y. 2022-23 & 2023-24 (Copy attached)	

Department:- \_\_\_\_\_

Sl. No	Name of the Item with Specification	Make	Quantity Required	Mention the brand name to be filled Dept. Wise which will be supplied by the bidders choosing from Col-3 which is compulsory
1	2	3	4	5
1				

**N. B.:** 1. Detailed item lists, Department wise, are given in last page in the College Website.

2. Bidder has to fillup all the information given in the respective column for each Department (from Column-2 to Column-5) which is mandatory.

## Declaration

1. I, Shri \_\_\_\_\_ mentioned above, am competent to sign this declaration and execute this tender document;
2. I have carefully read and understood all the terms and conditions of the tender and undertake to abide by them.
3. The information / documents furnished along with the above application are true and authentic to the best of my knowledge and belief. I /We, am / are well aware of the fact that furnishing of any false information / fabricated document would lead to rejection of my tender at any stage besides liabilities towards prosecution under appropriate law.

Date:

Place:

Signature of Bidder

Name:

Seal:

**FINANCIAL BID****DEPARTMENT \_\_\_\_\_**

(To be enclosed in separate sealed cover & super-scribed on the envelope as "Financial bid" for supply of Laboratory Equipments, Chemicals & Consumables, Dhenkanal Autonomous College, Dhenkanal)

Sl. No	Name of the Item with Specification	Make	Quantity Required	Unit Cost	GST	Any other charges	Total Cost inclusive GST & Other charges	Mention the price (to be filled Dept. Wise which will be supplied by the bidders choosing from col- 5 to 8 which is compulsory)
1	2	3	4	5	6	7	8	9
1								

**Date:****Place:****Signature of Bidder****Name:****Seal:**

**SELF DECLARATION FOR NOT BLACK LISTED**

To  
The Principal,  
Dhenkanal Autonomous College,  
Dhenkanal.

Ref : Tender No. \_\_\_\_\_ / Dt. \_\_\_\_\_

Madam / Sir,

I / we \_\_\_\_\_ hereby confirm  
that our firm has not been banned or black listed by any Government Organisation /  
Financial Institution / Court / Public Sector / Private Sector / State Govt. / Central Govt.

**Date:**

**Place:**

**Signature of Bidder**

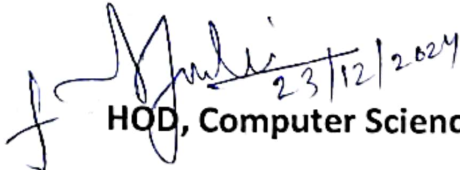
**Name:**

**Seal:**



**DEPARTMENT OF COMPUTER SCIENCE**

Sl. No.	Name of the Item with Specification	Make / Brand	Quantity Required
1	<p><b>Smart Interactive Panel for Class room</b>                      Display: Screen Size: 65", Panel Technology: IPS, Resolution: 3840x2160 (UHD) or more, Multi-touch, Infrared touch technology,                      OS: Android 13 or more, RAM: 4GB, Storage: 32GB, Built-in Speaker, <b>OPS (Not required)</b>,                      Ports: HDMI, VGA, USB, USB Type-C, RJ45, touch and other necessary I/O ports,                      Connectivity: Gigabit LAN, Wireless (WiFi 5 or more), Bluetooth 5.0, Built-in software tools with support for teaching and learning activities, casting and more.                      NOTE: Installation, electrification and configuration have to be done by the vendor</p>	LG/Samsung, or equivalent brand	1
2	<p><b>Horizontal Sliding Whiteboard</b>                      Horizontal Sliding Whiteboard with locking system (and also act as cabinet to cover the Smart Interactive Panel of size: 65").                      Size: 300x130 cm (minimum). Structure: 2 sliding forums in the front, background board (optional). Material of surface: Lacquered / Ceramic steel sheet. Aluminum alloy frame.                      [NOTE: Installation should be done by the vendor]</p>	From a reputed brand	1
3	<p>UPS                      UPS for Power backup.                      1100 VA, Five 6A, 2/3 Pin Indian Power Socket (4 Battery Backed-up &amp; Surge Protected plus 1 Surge Only Protected Outlet),                      Automatic Voltage Regulator (AVR), Warranty as per company standards</p>	APC/Microtek / Intex or equivalent brand	1
4	<p>Stabliser                      5 KVA stabilizer for Computer Laboratory to withstand electric fluctuation.</p>	Exide / V-Guard or equivalent brand	1

  
 23/12/2024  
**HOD, Computer Science**

## DEPARTMENT OF MATHEMATICS

Sl. No.	Name of the Item with Specification	Make / Brand	Quantity Required
<b>EQUIPMENTS / DEVELOPMENT</b>			
1	<b>Digital smart board</b> Smart Interactive Flat Panel for Office, Classroom & Conference   White Board Software, Multi-Touch, and Multi-Source with 20W Internal Speakers I (86 inch)	Reputed Brand	1
2	<b>Router</b> Wi-Fi 6 compatible, minimum speed of 1 Gbps, dual-band capability	Reputed Brand	1
3	<b>UPS</b> 1000VA capacity, 230V, with at least 15 minutes backup, and surge protection	Reputed Brand	5
4	<b>Stand for Projector Screen</b> Adjustable height, stable base, suitable for holding a projector screen	Reputed Brand	1
5	<b>Extension</b> Minimum of 6 sockets, surge protection, 250V, and a 5-meter cord	Reputed Brand	2
6	<b>Geometry Set</b> Suitable for blackboard use, including large protractor, compass, and ruler	Reputed Brand	1
7	<b>Mouse Pad</b> Non-slip rubber base, comfortable for extended use	Reputed Brand	6
8	<b>Keyboard Cover</b> Transparent, waterproof, compatible with standard desktop keyboards	Reputed Brand	6
9	<b>Desktop Cover</b> Dustproof, water-resistant, and of adjustable size to fit desktops	Reputed Brand	6
10	<b>Desktop Computers</b> All in one PC, 8GB DDR5, 512GB SSD	Reputed Brand	1

*Shab*  
24/12/24

**HOD, Mathematics**

**H.O.D., Mathematics**  
**Dhenkanal (Auto) Collège, Dhenkanal**



## DEPARTMENT OF ZOOLOGY

Sl. No.	Name of the Item with Specification	Make / Brand	Quantity Required
<b>CHEMICALS</b>			
✓1	ABO Blood Grouping KIT		1 kit
✓2	Acetone, 99.5%		500 ml
✓3	Ferric Chloride Anhydrous pure, 98%		500gX2
✓4	Ribonucleic Acid Sodium Salt (RNA Sodium, Sodium Nucleinate) ex. Yeast for molecular biology, 85%		25g
✓5	Orcinol		25g
✓5	Potassium Dichromate extrapure AR, 99.9%		500g
✓6	Silver Sulphate extrapure AR, ACS, 99%		10g
✓7	Ammonium Ferrous Sulphate Hexahydrate ACS, 99%		500g
<b>MUSEUM SPECIMENS</b>			
✓1	Bombyx mori adult stages (male and female)		1
2	Echinus		1
✓3	Hemidactylus		1
✓4	Uromastix		1
✓5	Bubo bubo (Great Horned Owl)		1
✓6	Dendrocopus Mahrattensis (Woodpecker)		1
✓7	Sorex		1
<b>PERMANENT SLIDES</b>			
✓1	WM Amoeba		1
✓2	WM Spicules of Porifera		1
✓3	WM Spongin Fibers of Porifera		1
✓4	WM Miracidium larva		1
✓5	WM Sporocyst larva		1
✓6	WM Metacercaria larva		1
7	WM Hexacanth larva		1
8	WM Cysticercus larva		1
✓9	W.M. Doliolum		1
✓10	W.M. of Salpa		1
11	W.M. Of ganoid scale		1
12	T.s of Squamous Epithelium of mammal		1
✓13	T.S of Transitional epithelium of mammal		1
✓14	T.S of Stratified Columnar Epithelium		1
✓15	T.S of Stratified Cuboidal Epithelium		1
✓16	TS Striated Muscle fibre of mammal		1
✓17	T.s of Cardiac Muscle of mammal		1
✓18	T.S of Smooth Muscle of mammal		1
✓19	T.S of Cartilage of mammal		1
✓20	T.S. of bone marrow of mammal		1
✓21	T.S of Adrenal Gland of mammal		1
✓22	T.S of Thyroid gland of mammal		1
✓23	T.S of Parathyroid Gland of mammal		1
✓24	T.S of Kidney of mammal		1
✓25	T.S. of Spleen of mammal		1



GLASSWARES			
✓1	Micropipette Set (0.2ul-02ul, 2-10ul, 20-200ul, 100-1000ul )		1 Pkt
✓2	Test tube (15*150 mm)		200 N
✓3	Funnel (100 mm)		2N
✓4	Beaker 50 ml		20 no.
✓5	Beaker 100 ml		20 N
✓6	Beaker 500ml		20 N
✓7	Beaker 1000ml		10 N
✓8	Conical flask 100ml		10 N
✓9	Conical flask 250ml		10 N
✓10	Conical flask 500ml		10 N
✓11	Reagent Bottles 250 ml		1 pkt (10 N)
✓12	Reagent Bottles 500ml		1 pkt (10 N)
✓13	Reagent Bottles 1000ml		1 pkt (10 N)
✓14	Pasteur Pippette (PP)		1 pkt
✓15	Microtips 0.2ul-10 ul		3 pkt
✓16	Microtips 2-200ul		3pkt
✓17	Microtips 100-1000ul		5pkt
✓18	Powder free safe skin Nitrile gloves (Small)		3 pkt
✓19	Powder free Nitrile gloves (Medium)		3 Pkt
✓20	Aluminium Foil (72 m)		10pkt
✓21	Spatulla set (All size)		2 set
✓22	Tissue Paper roll		50 roll
✓23	Round Magnetic Stirrer Bar with Pivot Ring, PTFE / ALNICO V MAGNET-Assorted		1 Set
✓24	Burette (500ml)		2 pkt (10 N)
✓25	Glass Rod		10 N
✓26	Measuring cylinder, 10ml		2N
✓27	Measuring cylinder, 100ml		2N
✓28	Petriplate (90 * 17)		20 Unit
✓29	Centrifuge Tube (10 ml)		1 pkt (500 N)
✓30	Double Frosted, Ground Edges Microslide - 76 x 26 x 1		20 pkt (1000 N)
✓31	Coverslip - Square 18 x 18		10 pkt (500N)
EQUIPMENTS			
1	<b>Orbital Shaker Incubator</b> Large 20x4 LCD display(Delta Touch optional 4.3 or 7 inch) ✓ ● Temperature Range – 5 degree Celsius to 60 Degree Celsius ✓ ● Integrated PID temperature control ✓ ● Programmable RPM selection 1 to 220 in interval of 1 rpm ✓ ● Temperature Resolution – 1 degree Celsius ✓	Reputed Brand	



- 3 Acceleration Profile
- 4 deceleration profile
- Digital timer 0-99 Hours
- Timer based/continuous operation.
- Shaker switches off automatically if disturbed
- Unit stops automatically when door opened
- Outer Body heavy duty CRC construction finished with powder coating, inner chamber SS304 grade.
- Supply completed with, instruction manual, cord & plug to work on 220-240 volts 50Hz A.C.
- Maximum Power consumption 1400W
- Delta (Taiwan) SMPS
- Fitted with brushless motor with electronic drive.
- User friendly control panel.
- Last test parameter recalls and displays automatically on LCD

#### Technical Specification

- Type of movement: orbital
- Shaking stroke [mm] : 20
- Permissible shaking weight (incl. attachment) [kg] :30
- Motor rating input [W] : 100
- Motor rating output [W] : 100
- Permissible ON time [%] : 100
- Speed min (adjustable) [rpm] : 1
- Speed range [rpm] : 1 - 220
- Speed display: 20x4 Alphanumeric(Delta Touch optional 4.3 or 7 inch)
- Speed deviation [%] :1]
- Speed control : 1 RPM steps
- Timer : yes
- Timer display: 20x4 Alphanumeric(Delta Touch optional 4.3 or 7 inch)
- Time setting min.: 1
- Time setting range [min]: 1 - 59940
- Operating mode :timer and continuous operation
- Heating temperature range [°C] : room temp. +5° - 80
- Heat output [W] :1000
- Set temperature resolution [±K]: 1
- Temperature display: yes
- Raw material housing : Sheet metal powder coat
- Weight [kg] : 150
- Permissible ambient temperature [°C] :15 - 32
- Permissible relative humidity [%] : 80
- Voltage [V] : 230
- Frequency [Hz]:50/60
- Power input [W]: 1200

*Alwady*

HOD, Zoology

## DEPARTMENT OF BIO-TECHNOLOGY

Sl. No.	Name of the Item with Specification	Make / Brand	Quantity Required
<b>EQUIPMENTS</b>			
1	<b>Autoclave (High Capacity)</b> <b>Fully Automatic Auto Clave</b> Double wall construction with inner made of stainless steel -16SWG Sheet 304 grade and exterior shell of stainless steel sheet-304 grade with mirror polish.The boiler and outer shell is provided with air insulation. Fully sterilization cycle including air purging, sterilizing hold time, cycle and with release/ exhaust of pressure & alarm is automatic.Easily replaceable heater and Silicon gasket. Temperature Range : 121° C to 130°C Temperature controlled by dual display microprocessor based PID Temperature Controller & PT-100 Sensor with digital timer-1to999min.Operate on 230 Volts AC Single phase 50Hz. Working (dx h)cm : 14 x 22cmCapacity : 52Ltrs Rating : 3000 watts Working pressure -15PSI to 22PSI	Reputed Brand	1
2	<b>Monocular Compound microscope</b> Rugged Heavy body, aluminum die cast, ergonomic design sturdy stand of anti rust material.Achromatic optical system, Color corrected, Anti-fungal, Anti-bacterial Coated (multi-layered hard coated)Observation Head Binocular Inclined at 45° and Rota table to 360°.Extra wide field 10X pair & Huygenian 5x or 15x (Any one paired) High Quality, good contrast, pre centered eye pieces. DIN Achromatic, Para focal & Precentered, ,4x, 10x, 40x SL and 100x SL Oil immersion objectives in unbreakable container for storage Separate Coarse & highly sensitive fine movement mechanical graduated to 0.02mm with locking device. Bright field condenser Abbe N.A. 1.25 & iris diaphragm with built in swing out filter holder and up-down movement through rack & pinion. Right/left hand control, hard coated surface, low drive	Reputed Brand	1
3	<b>Micropipette 0.2-2</b>	TARSON or equivalent	1
4	<b>Micropipette 20 micro ML</b>		1
5	<b>Micropipette 200 micro ML</b>		1
6	<b>Micropipette 1000 micro ML</b>		1
<b>LABORATORY DEVELOPMENT</b>			
1	<b>Desktop</b> Intel Core i5 13th Gen 1334U - (16 GB/512 GB SSD/Windows 11 Home) 15-fd0221TU Thin and Light Laptop (15.6 inch, Natural Silver, 1.59 kg)	HP / DELL or equivalent brand	1
2	<b>Printer</b> A4 Black and White Laserjet Printer, Print, copy, scan.Print speed up to 21 ppm,USB; Wireless direct printing.	HP / Epson / Canon	1
3	<b>Laboratory Table</b> Length 1 metre, granite top with double rack, drawer system below	Reputed Brand	2
4	<b>Laboratory gloves</b>	Reputed Brand	2
5	<b>Lab stool</b> Steel tool with cushion	Reputed Brand	08
6	<b>Scalpal</b>	Reputed Brand	10
7	<b>cotton</b>	Reputed Brand	02 bundle
8	<b>Tissue paper</b>	Reputed Brand	10

9	Bunsen Burner	Reputed Brand	1
10	Muslin cloth	Reputed Brand	10mtr
<b>CHEMICALS</b>			
1	Albumin Egg	Himedia /SLR/ Labogen of Analytic grade	25gm
2	Ammonium		500ml
3	Barium Dihydrate		500gm
4	Calcium Carbonate		500gm
5	Ceder wood Oil		25ml
6	Copper Sulphate		500ml
7	Creatinine		25gm
8	Cupric Acetate		250gm
9	Disodium Hydrogen Phosphate		500gm
10	Dipottasium Hydrogen Phosphate		500gm
11	Dimethylaminoazobenzaldehyd		100gm
12	EDTA		600gm
13	Ethanol		1L
14	Feric Ammonium Sulphate		500gm
15	Feric Chloride		500gm
16	Fructose		500gm
17	Galactose		250gm
18	Glucose		500mg
19	Iodine		500ml
20	Lactose		500gm
21	Lead Acetate		500gm
22	Leishman Stain		25gm
23	Maltose		250gm
24	Methanol		500ml
25	Methyl Red		125ml
26	Methyl Violet		125ml
27	Glycerol		500ml
28	Disodium Phosphate		500gm
29	Oxalic Acid		500gm
30	Phosphomolybdic Acid		500ml
31	Ninhydrin		250ml
32	Nitric Acid		1.5 L
33	Orthophosphoric Acid		500ml
34	Disodium Oxalate		500gm



35	Peptone	250gm
36	Phenolphthalein	25gm
37	Phenylhydrazine HCL	25gm
38	Pottasium Hydroxide	500ml
39	Resorcinol	100gm
40	Silver Nitrate	25gm
41	Sodium Acetate	500gm
42	Sodium Carbonate	500gm
43	Sodium Chloride	500gm
44	Sodium Citrate	500ml
45	Sodium Hydroxide	500ml
46	Sodium Molybdate	50gm
47	Sodium Nitroprusside	100gm
48	Sodium Pottasium Trtrate	250gm
49	Sodium Sulphate	500gm
50	Sodium Tungstate	125ml
51	Starch	500gm
52	Sulphur	500gm
53	Sulphuric Acid	1.5L
54	Zinc Oxide	500gm
55	Gelatin	250gm
56	Picric Acid	250gm
57	Sulphanilic Acid	100gm
58	Ammonium Oxalate Monohydrate	500gm
59	Acetocramine	200ml
60	HCL	1.5L
61	Distilled Water	10L
62	Extraction Buffer	1pc
63	50MM TRIS	100gm
64	1% CTAB	100mg
65	EDTA	200gm
66	O-Phenanthroline	100gm
67	Sodium Chloride	500gm
68	B- Mercaptoethanol	500ml
69	Chloroform	500ml
70	Isopropyl Alcohol	1L
71	Ammonium Acetate	500gm
72	TE Buffer	100ml
73	Sucrose	500gm
74	Mannitol	250gm
75	BSA	25gm



76	HEPES	500gm
77	Homogenization Buffer	500gm
78	Mercuric Chloride	125ml
79	Sodium Sulphate	500gm
80	Methylene Blue Stain	500ml
81	Acetone	500ml
82	Nutrient Agar	1kg
83	Nutrient Broth	500gm
84	Ethanol	1L
85	Nigrosin	125ml
86	Crystal Violet	125ml
87	Grams Iodine	100ml
88	Safranin	250ml
89	Malachite Green	250ML
90	Acetic acid	500ml
91	glacial acid	500ml
92	sodium acetate	500gm
93	citric acid	500gm
94	sodium citrate	500ml
95	sodium dihydrogen phosphate	500gm
96	KMNO4	500gm
97	Paracetamol powder	1 PC
98	Proponol 1	500ml
99	L -alanine	25gm
100	L-lucine	25gm
101	L-lysine	100gm
102	L-Aspartic acid	25gm
103	Methoinine	25gm
104	Butanol	500ml
105	Hplc grade Water	500ml
106	Reagent grade acetic acid	500ml
107	Hplc grade methanol	1L
108	Coomasie blue solution	25gm
109	Culture media	1pc
110	KCL	500gm
111	CACL2	500gm
112	MGSO4 7H2O	500gm
113	MGCL2 6H2O	500gm
114	KH2PO4	500gm
115	NAHCO3	500gm
116	Acryllamide	1kg
117	Ammonium Acetate	500gm

118	Ammonium Chloride	500gm
119	Ammonium sulphate	500gm
120	Boric Acid	500gm
121	Ethidium bromide	0.625ml
122	Phenol	250gm
123	TE Buffer	100ml
124	SDS	10gm
125	Proteinase	100mg
126	Chloroform	500ml
127	Isopropanol	500ml
128	Sodium Acetate	500gm
129	Luria Broth	500gm
130	trypton	250gm
131	yeast extract	100gm
132	ampicillin	1PC
133	RNAse	25gm
134	Pottasium Acetate	500gm
135	glacial acetic acid	500gm
136	agarose	5gm
137	Bromophenol Blue	125ml
138	Restriction Enzyme	1pc
139	blood testing kiit	1pc
140	Isoamyl alcohol	500ml

  
 HOD, Bio-technology

**DEPARTMENT OF BOTANY**

Sl. No.	Name of the Item with Specification	Make / Brand	Quantity Required
<b>CHEMICALS</b>			
1	TLC silica gel 60 F <sub>254</sub> (25 Aluminium sheets 20x20 cm )	Himedia/ SLR/ Labogen of Analytic grade	1
2	Bradford Reagent		500ml
3	Ortho Phosphoric ac.		500ml
4	LB Agar		1
5	Ice Box ( Mini cooler )		1
6	Cellulase		50ml
7	Pectinase		25gm
8	Polyethylene Glycol		500gm
9	Ammonium Hydroxide		100ml
10	Glycerol		2x 500ml
11	Chu Media		5 litre
12	Fast green		50gm
13	Bovine Serum Albumin		25gm
14	Stannous Chloride		100gm
15	Citric acid		100gm
16	n-Propanol		500ml
17	L-Leucine		200gm
18	Ninhydrin Powder		25gm
19	Methyl Cellosolve		500ml
20	Parafilm		100mmx3 8 m
21	Tetra zolium salt		10gm
22	Ethanol		5 litre
23	Mc Conky Agar		200gm
24	Chromatography paper		50
<b>SLIDES</b>			
<b>(A.Algae)</b>			
1	Nostoc w.m		
2	Chlamydomonas w.m		
3	Volvox w.m		
4	Volvox daughter colony		
5	Oedogonium filament w.m		
6	Oedogonium macrandous species		
7	Oedogonium nannandrous		
8	Oedogonium oogonium		
9	Vaucheria thallus		
10	Vaucheria sex organs		
11	Coleochaete thallus		
12	Ectocarpus thallus		
13	Ectocarpus unilocular sporangia		
14	Ectocarpus plurilocular sporangia		
15	Fucus conceptacle		
16	Fucus thallus		
17	Polysiphonia thallus		
18	Polysiphonia tetraspore		
19	Polysiphonia carpospore		
20	Chara thallus		
21	Chara sex organs (globule and nucule)		
22	Prochloron		
<b>B.Embryology</b>			
1	T.S of young anther		
2	T.S of mature anther		
3	Anatropous ovule		
4	Orthotropous ovule		



5	Amphitropous ovule		
6	Campylotropous ovule		
7	Hemianatropous ovule		
8	Monocot embryo		
9	Dicot embryo		

### C.Fungi

1	Rhizopus wm		
2	Rhizopus sexual stage		
3	Rhizopus asexual stage		
4	Aspergillus asexual stage		
5	Aspergillus sexual stage		
6	Penicillium asexual stage		
7	Penicillium sexual stage		
8	Yeast wm		
9	Yeast budding		
10	Yeast sexual stage		
11	Puccinia teleutospore		
12	Puccinia uredospores		
13	Albugo asexual stage		
14	Albugo sexual structure		
15	Agaricus button stage		
16	Agaricus gill structure/section		

### D.Bryophytes

1	Riccia thallus section		
2	Riccia wm		
3	Riccia sporophyte		
4	Marchantia thallus wm		
5	Marchantia thallus section		
6	Marchantia antheridiophore		
7	Marchantia archegoniophore		
8	Marchantia sporophyte		
9	Anthoceros thallus section		
10	Anthoceros sporophyte		
11	Funaria thallus section		
12	Funaria sporophyte		

### E.Pteridophytes

1	Psilotum synangium TS		
2	Selaginella wm		
3	Selaginella leaf wm		
4	Selaginella ligule wm		
5	Selaginella strobilus LS		
6	Selaginella microsporophyll wm		
7	Selaginella megasporophyll wm		
8	Selaginella stem TS		
9	Equisetum TS of internode		
10	Equisetum LS of strobilus		
11	Equisetum TS of rhizome		
12	Equisetum sporangiophore wm		
13	Marsilea sporocarp LS		
14	Marsilea sporocarp TS		
15	Pteris rachis TS		
16	Pteris sporangium wm		
17	Pteris prothallus with sex organs wm		
18	Rhynia sporangia		

### F.Gymnosperms

1	Cycas rachis TS		
2	Cycas root TS		
3	Cycas coralloid root TS		
4	Pinus dwarf shoot wm		



5	Pinus needle TS		
6	Pinus male cone LS		
7	Pinus female cone LS		
8	Gnetum Stem TS		
9	Gnetum ovule VS		

### G.Cytology

1	Prophase		
2	Metaphase		
3	Anaphase		
4	Telophase		
5	Leptotene		
6	Zygotene		
7	pachytene		
8	Diplotene		
9	Diakinesis		
10	Metaphase-I		
11	Anaphase-I		
12	Telophase-I		
13	Prophase-II		
14	Metaphase-II		
15	Anaphase-II		
16	Telophase-II		

### EQUIPMENTS

1	Remi Small Centrifuge		1
2	Tip box (2x20 microlitre, 2x 200 microlitre, 2x1000 microlitre )		10piece
3	Tips (20 microlitre, 200 microlitre, 1000 micro litre )		2 pkt each
4	Drier		1
5	TLC UV Cabinet		1
6	Haemocytometer		1
7	T/A apparatus		5
8	Farmer Potometer		5
9	Ganong's Potometer		5
10	Wilmott's Bubbler		5
11	Water Bath		1
12	Magnetic stirrer		1

### LABORATORY DEVELOPMENT

1	Laboratory table Granite table top, double rack with sink. size 1 meter		02
2	Stool Lab table with cushion		08
3	Refrigerator 240l., Double Door(LG/ Samsung or equivalent)		01

*David*  
20/12/2024  
HOD, BOTANY

## DEPARTMENT OF PSYCHOLOGY

Sl no	Equipments	Specification	Quantity	Price
1	Desktop	Ci5 12th 8gb 512 gb SSD 19.5" M W11 OFFI 3YR  With UPS & antivirus	01	60000/-
2	SPSS package		1	80,000 per year

*Sumande Saen*

*14/12/2024*

**H. O. D.**

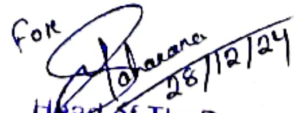
Dept. of Psychology



**DEPARTMENT OF CHEMISTRY**

Sl. No.	Name of the Item with Specification	Make / Brand	Quantity Required
<b>LABORATORY DEVELOPMENT</b>			
1	Cabinet for Acid & chemical Storage Polypropylene make Size 5*3*1.5feet	Reputed Brand	2nos
2	LPG gas line wiring of new P.G laboratory 16 seated working table of size 15*12feet	Reputed Brand	16 no burner point
<b>EQUIPMENTS</b>			
1	Conductivity meter. Micro controller based Digital Auto. Range(0.1microS-100microS),Temp.compensation Conductivity,TDS,Temp. With cell & temp probe	Reputed Brand	
2	pH Electrode Syst. M-361	Reputed Brand	
3	Beckmann Thermometer 5°C, unit - 1/100°C	Reputed Brand	
4	Potentiometer(digital) 3Å DIGIT 0.5 SEVEN SEGMENT LED DISPLAY resolution- 1mv,range-0 to 1999mv	Reputed Brand	
5	P <sup>H</sup> meter (digital) Digital,7 segment 7digit PH,micro controller based,3 point cal.with temp compensation,1mv resolution.with electrode temp. probe	Reputed Brand	
6	Stalagmometer Borosil	Reputed Brand	
7	UV Cabinet Short wavelength ,long wavelength,visible wavelength	Reputed Brand	
8	Micro Pipette 1000Mlicrol with variable volume	Reputed Brand	
9	Micro Burette Borosil	Reputed Brand	
10	Chromatography column with resourver Borosil	Reputed Brand	
11	Digital weighing machine Top loading ,Max. weight-500gm ,LC-0.1gm, Response time – 3sec,Chemical Resistant,Pan Size-100mm	Reputed Brand	
<b>CHEMICALS &amp; GLASSWARES</b>			
1	Blow pipes -100nos Brass	Reputed Brand	
	D.O Bottle(Borosil)-250ml Borosil/Omson	Reputed Brand	
2	Test tube(ordinary) 20ml	Reputed Brand	
3	Pocelain tile 15*12cm	Reputed Brand	
4	Burette clamp Poly fibre	Reputed Brand	
5	Whatman filter paper No 41	Reputed Brand	
6	Silicone rubber tube 10mm,15mm,20mm	Reputed Brand	

7	Test tube brush nylon	Reputed Brand	
8	Pneumatic trough Borosil/polyfibre 10*6,8*6 inch	Reputed Brand	
9	Zinc dust CDH/Sigma/SRL	Reputed Brand	
10	Soda lime-500gm CDH/Sigma/SRL	Reputed Brand	
11	Strontium chloride-500gm CDH/Sigma/SRL	Reputed Brand	
12	Litmus paper(blue&red)- CDH/Sigma/SRL	Reputed Brand	
13	Sodium nitrite CDH/Sigma/SRL	Reputed Brand	
14	Sulphanilic acid CDH/Sigma/SRL	Reputed Brand	
15	N,N-Dimethyl aniline CDH/Sigma/SRL	Reputed Brand	
16	Hexamethylene diamine CDH/Sigma/SRL	Reputed Brand	
17	Adipyl chloride CDH/Sigma/SRL	Reputed Brand	
18	Benzaldehyde CDH/Sigma/SRL	Reputed Brand	
20	Sodium sulphide-500gm CDH/Sigma/SRL	Reputed Brand	
21	Acetic anhydride CDH/Sigma/SRL	Reputed Brand	
22	Cork Velvet	Reputed Brand	
23	2-amino-6-chlorobenzothiazole CDH/SRL/Sigma	Reputed Brand	
24	2-amino-6-nitrobenzothiazole CDH/SRL/Sigma	Reputed Brand	
25	2-amino-6-ethoxybenzothiazole CDH/SRL/Sigma	Reputed Brand	
26	2-hydroxy-5-methoxybenzaldehyde CDH/SRL/Sigma	Reputed Brand	
27	Copper acetate CDH/SRL/Sigma	Reputed Brand	
28	Potassium chromate CDH/SRL/Sigma	Reputed Brand	
29	Sod. Oxalate CDH/SRL/Sigma	Reputed Brand	
30	Lead nitrate CDH/SRL/Sigma	Reputed Brand	

For  
  
 Head of The Department  
 HOD Chemistry  
 Dhenkanal (Auto) College  
 Dhenkanal  
 28.12.24





**DEPARTMENT OF COMMERCE**

Sl. No.	Name of the Item with Specification	Make / Brand	Quantity Required
<b>LABORATORY DEVELOPMENT</b>			
1	<b>Computer desk:</b> PC Table Computer Desk, W x H x D: 45 cm x 76 cm x 106 cm (1 ft 5 in x 2 ft 5 in x 3 ft 5 in) or more, With CPU & UPS Compartment, Built-in Keyboard Tray.	Godrej/ Methode x or equival ent brand,	02
2	<b>Computer Chairs:</b> Stainless Steel Visitor Chair, With Armrest, Seat Material- Fabric. Back Type- Mid Back,	Godrej / Nilkamal / equival ent brand	03
<b>EQUIPMENTS</b>			
1	<b>Desktop Computer</b> Windows 11 Home (Genuine) with MS Office 2021(Home and Student Edition), Intel Core-i5 12th Gen or higher, 8 GB RAM (Expandable upto 16 GB/32 GB or more is preferred), 512GB SSD, 22" (or more) HD/FHD Monitor (Same Make as PC), Intel Integrated Graphics, Integrated 10/100/1000 GbE LAN, 802.11 wifi and Bluetooth, Minitower/Tower/SFF, USB Wired 104 keys Keyboard (Same Make as PC), Wired optical Mouse (same Make as PC), 3 Years Warranty , Antivirus 3 years	HP/Dell or equival ent brand	02
2	<b>Multi-function Printer:</b> A4 Black and White LaserJet Multifunction Printer (Print-Copy-Scan). Support for USB, Wi-Fi, Ethernet. Compatible with Windows 10/11. Warranty: minimum 2 Years	HP/Cano n or equival ent brand	01
3	<b>UPS for Desktop Computer:</b> 600 VA, Min. 3 Pin Power Sockets, Back up: Minimum 30 Minutes ,2 years warranty.	APC/Mic rotek/Int ex or equival ent brand]	02

HOD, Commerce

*[Signature]*  
24.12.2024

**DEPARTMENT OF EDUCATION**

Sl. No.	Name of the Item with Specification	Make / Brand	Quantity Required
<b>EQUIPMENTS</b>			
1	Intelligence test Tool	Reputed Brand	5
2	Personality test tool	Reputed Brand	5
3	Emotional test Inventory Tool	Reputed Brand	5
4	TLM	Reputed Brand	12
<b>LABORATORY DEVELOPMENT</b>			
5	Computer Table	Reputed Brand	6
6	Book-Shelf	Reputed Brand	4
7	Almirah	Reputed Brand	3
8	Executive Chair	Reputed Brand	1
9	Chairs	Reputed Brand	10
10	Succession board, wall magazine, dept. board etc.	Reputed Brand	4

*Sinakarani Behera*  
24/11/24  
HOD, Education

**H.O.D.  
Education  
Dhenkanal Auto. College  
Dhenkanal**

DEPARTMENT OF PHYSICS

Sl. No.	Name of the Item with Specification	Make / Brand	Quantity Required
<b>LABORATORY DEVELOPMENT</b>			
01	Windows Screen Cotton, Blackout, 4 feet	Reputed Brand	12
02	Door screen Cotton, Blackout, 7 feet	Reputed Brand	2
03	Wiring of computer Lab Electrical and internet, Router	Reputed Brand	1
04	Inverter wiring and installation of inverter and Stabilizer in Optics lab Electrical	Reputed Brand	1
05	White Board 10 feet x 4feet	Reputed Brand	1
06	Renovation of store room to PG Lab Electrical wiring, Flooring	<del>Reputed Brand</del>	1
07	Stabilizer for computer Lab 10 KVA V-guard, output voltage 110 to 300v, Current capacity = 30 A	Reputed Brand	1
<b>LABORATORY EQUIPMENTS</b>			
01	Op Amp Power Supply HTC DC-3010 0-30 V, 0-10 A DC Regulated Power Supply	Reputed Brand	5
02	Multimeter Fluke 115 True Rms Digital Multimeter	Reputed Brand	2
03	UPS APC Back-UPS BX1100C-IN 1100VA / 660W, 230V	Reputed Brand	5

*ZB...*  
23/12/24  
HOD, Physics

*KG...*  
23.12.24