



OFFICE OF THE PRINCIPAL
KARANJIA AUTONOMOUS COLLEGE,
Karanjia, Mayurbhanj, Odisha

TENDER FORM

Tender No& Date	No. 01/KACK dt.: 13.06.2024
Name of the Office inviting Tender	Principal, Karanjia Autonomous College, Karanjia, Mayurbhanj
List of Items	See in Annexure-II
Date of publication of tender notification on official website and newspapers	Date: 13.06.2024
Commencement of Sale of Tender papers	Date: 13.06.2024
Cost of Tender paper	Rs. 500/- (Five hundred)
Last date & Time for sale of tender papers	Date: 28.06.2024 Time: 11:00AM
Last date & Time for submission of duly filled in Tender form	Date: 28.06.2024 Time: 01:00PM
Date & Time for opening of Tender	Date: 28.06.2024 Time: 03:00PM
Date and Time of the opening of Technical Bids & Financial Bid	Date: 28.06.2024 Time: 03:30PM
Place of opening of Tender	Office of the Principal Karanjia Autonomous College, Karanjia, Mayurbhanj
Date of issue of supply order	Date: 29.06.2024


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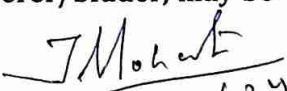
CHECKLIST

The Bidders are hereby instructed to submit the following documents as per the checklist along with duly filled in and signed Tender paper (each page must be signed by the bidder)

Sl. No	Name of Document	Yes/No	Page No
1	Bidder Details(Annexure-I)		
2	Technical specification with Compliance Statement (As per Annexure-II)		
3	Copy of Valid GSTIN Registration Certificate		
4	Copy of PAN		
5	The authorization certificate of OEM/ authorized Manufacturer/ Distributor/ Dealership Certificate		
6	Copy of Income Tax Return for last 03 Assessment years (21-22, 22-23 & 23-24)		
7	Must have BIFMA certificate for manufacture (Only furniture)		
8	Must have SEFA certificate for manufacture (Only furniture)		
9	Financial Bid (Annexure-III)		
9	Self-declaration for not having been black listed(Annexure-IV)		
10	Guarantee/Warranty(Annexure-V)		
11	Letter of Willingness(Annexure-VI)		
12	The Bidder should have minimum 2/3 nos. of similar supply orders during last five years in any of the Government/Non-Government organization (Annexure-VII)		
13	Photo copies of the supply orders or Installation report of similar items(Only)		
14	Original Product catalogue		
15	Original Tender form Duly Signed & Stamp on each Page		

Signature and with seal of Bidder

Note - If tender is not submitted in above manner by the tenderer/bidder, may be treated as non-responsive & liable to be rejected.


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NOTICE INVITING TENDER

The **Principal, Karanjia Autonomous College, Karanjia, Mayurbhanj** invites sealed tenders under **"TWO BID SYSTEM"** from reputed suppliers of good standards for selection of a supplier for the purpose of supplying different items to **Principal, Karanjia Autonomous College, Karanjia, Mayurbhanj**.

TWO BIDS SYSTEM

Tenderer should take due care to submit the tender in accordance with requirement in sealed covers. Bids received shall be evaluated as per the Criteria pre scribed in the tender document.

The College will not entertain any modifications subsequent to opening of bids and bids not conforming to tender conditions shall be liable to be rejected. Therefore, bidders are advised to submit their bids complete in all respects as per requirement of tender document specifying their acceptance to all the clauses of Bid Evaluation Criteria, General terms and conditions and compliance to the Scope of Work requirement etc.

i) **Technical Bid** shall consist of all technical details along with commercial terms and conditions.

AND

ii) **Financial Bid** shall indicate item-wise price for the items mentioned in the technical bid.

The technical bid and the financial bid should be sealed by the bidder in separate covers duly super scribed as **"Technical Bid"** and **"Financial Bid"** respectively. **Both these sealed covers should then be kept in a bigger cover** which should also be sealed & duly super scribed as **"Tender for Supplying (Name of the dept.) to Principal Karanjia Autonomous College, Karanjia, Mayurbhanj. The Letter of Willingness & Check List.**

The tender document can also be available from the official website/Office. The tender document is not transferable to any other person.


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ELIGIBILITY CRITERIA

The bidders who are desirous for supply of the listed items require fulfilling the following conditions:

- A. Must be registered under GST Act
- B. Should not have been blacklisted by any State Govt. / Central Govt. / PSU India.
A self-declaration is required as per **Annexure IV**.
- C. The Tenderer/Bidder must be a Reputed Original Equipment manufacturer (OEM) / or the authorized Dealer of an OEM should provide all documents relating to their manufacturing/ sales capabilities. Must have Odisha Office for after sales & Service (If OEM/ Dealer outside of the State). **Tenderer/Bidder who has their own sales and service station in Odisha with GST Registration Number should only quote.**
- D. Proof of Establishment of Firms / Manufacturing unit/ Dealership certificate from the OEM to be attached with **Technical Bid**.
- E. The tenderer/bidder should have minimum 03 nos. of similar work orders during last three years in any of the Government organization. Photocopies of the work order and Installation report of similar items to be attached with Technical Bid.
- F. The bidder should supply the items as per technical specification mentioned in **Annexure II**. The list of items available with the tenderer. Original Technical Catalog as Proof of Technical Specification should be enclosed by Bidder, merely Copy & Paste of Technical Specification will be out right Rejected.
- G. The bidder should comply as per **Annexure III**, duly filled in, signed and complete in all respects. No alteration/modification in the formats shall be permitted.
- H. A self-declaration that the tenderer has not been blacklisted by any State Government/ /Central Govt./PSU in India as per **Annexure IV**.
- I. Performance Statement-**Annexure-V**
- J. If any Technical conflict arises while evaluating the Technical Bid, **Principal, Karanjia Autonomous College, Karanjia, Mayurbhanj** may ask for **Live Demonstration** of same product in front of the authorized official.


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1. LIST OF ITEMS:

Supply of Laboratory equipment to **Principal, Karanjia Autonomous College, Karanjia, Mayurbhanj**. The items have been described in Annexure-I A bidder can submit financial bid for any number of items however care should be taken to submit for accounting units mentioned against each item.

2. TENDERER/BIDDER:

The term Tenderer/Bidder shall mean Company, Firm, Agency or the Individual to whom the Contract is awarded and shall include its/ his/ her/ its heirs and legal representative. Successful Bidder is referred to as "Party" in this tender document.

3. MODE OF PAYMENT

- (i) Payment shall be made through NEFT/RTGS/Cheque transfer only after satisfactory supply of the said items.
- (ii) The principal shall be at liberty to withhold any of the payments in full or in part.
- (iii) No advance payment will be made in any case
- (iv) The 100% payment shall be given within 10-15 days after satisfactory installation of the equipment/ material supplied & necessary training of operating personnel.

5. MODE OF SUBMISSION OF TENDER

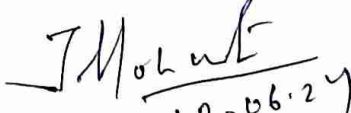
- A. Tender should be submitted by tenderer in prescribed form.
- B. Tenderer should submit their offer in two parts as under:
 - (a) Technical Bid, consisting of technical details, drawing/catalogues/ brochures, data sheets or models etc. **(Annexure-II)**
 - (b) Financial Bid on prescribed format attached with the tender document **(Annexure-IV)**
- Proposals complete in all respect should be submitted to the **Principal, Karanjia Autonomous College, Karanjia, Mayurbhanj** through **Speed Post/ Registered Post/ Courier Service/By Hand** only. Delivery in person shall not be accepted.
- C. All details asked for in the Annexure (s) should be properly filled in and each page of tender should be Stamped & Signed by the tenderer. Failure to attach the required Annexure shall be considered invalid of the tender.
- D. Any tender which is not found in the proper form or is received late due to postal delay or otherwise shall in no case be accepted.
- E. The bidder is expected to examine all instructions, forms, terms and specifications in the bid document. Failure to furnish all information required as per the tender document or submission of bids not substantially responsive to the bidding document in every respect will be at the bidder's risk and may result in rejection of the bid.
- F. Offers should be typed and Price be quoted in words as well as in figures. In case of any discrepancy or variation in between figures and words is found, the offer in words shall be finally acceptable. Disagreement with this provision shall entail the bid as non-responsive and subsequent rejection.
- G. Tender documents are not transferable.
- H. Incomplete tenders or tender received after due date and not accompanied by the required documents as mentioned in the check list.

- I. In no case the bidding manufacturer or the bidder, otherwise can authorize any other agency what so ever to supply the items to purchaser and receive payment in respect thereof.
- J. No amendment or supplementary attachment in the bidding document shall be allowed or entertained after the bid having been submitted to the purchaser. No representation there to at any stage shall be entertained.
- K. **Principal, Karanjia Autonomous College, Karanjia, Mayurbhanj** reserves the right to reject any or all offers or increase/decrease in quantities, call for acceptance the offer in full or in part, without assigning any reasons thereof.
- L. ISO certified Company should have established service team & network across the state.
- M. The principal is not bound to accept the tender quoting the least in the financial bid. The principal reserves the right to place order for a part of the quantity offered. The rates quoted by the bidder shall be valid for any such part.
- N. They should be registered for GST/CST/ST & Income Tax and should enclose copies of relevant certificates.
- O. Tenderer will have to produce all these original documents at any time as shall be asked by the Institution.

6. TERMS & CONDITIONS

The tenderers are requested to follow the below mentioned instructions:

- A. Failure to comply with the conditions will result in forfeiting of the tender. Please cross out any mistakes and rewrite the same and countersign.
- B. Cost involved in submitting the bids, attending the tender opening meeting, arrangements for the demonstration/presentation etc. shall be borne by the bidder.
- C. No tenderer shall be allowed to withdraw the tender rates after opening of the tender. If any tenderer withdraws the rates, Rates should be offered unconditionally and if rates are submitted with any condition the tender shall be rejected.
- D. Tenderer shall have to quote item wise rates; consolidated rates shall not be considered and tender shall be liable to be rejected out rightly.
- E. Tenderer/Manufacturer should have extensive **experience of at least 05 years** of designing, manufacturing, Supplying, installation and commissioning of the required item.
- F. It is a compulsory requirement that the items offered make and model, as quoted by the bidder must be supplied, installed and must be in good working condition.
- G. Tenderer should quote for the whole set of items required and should be willing to undertake responsibility of commissioning, warranties and after sales service. Part offer/offers not as per given specification will not be considered.
- H. Tenders should comply all the terms and conditions given in the tender document and be quoted for the specification given in the tender documents.
- I. Not with standing anything stated herein above, the principal reserves the right to assess the tenderer capability and capacity to perform the contract, should the circumstances warrant such assessment.
- J. In case any part of the equipment supplied being found to be non-functional the entire unit of equipment shall be taken as non-functional


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- K. The principal reserves the right to change the quantity/ upgrade the criteria/ drop any item or part thereof/extension of delivery date at any time before placing the purchase/ work/ supply order.
- L. Right to Acceptance: The college authority is not bound itself to accept the lowest tender. It is the sole discretion of the principal to place order for better quality.
- Signing of Tender: The individual signing the tender (or the documents in connection with it) must specify whether he/she is sign in gas:
 - (i) A sole proprietor of the firm, or constituted attorney of such proprietor.
 - (ii) A partner of the firm, if it be a partnership, in which case he/she must have the authority to refer to arbitration, disputes if any, concerning the business of the partnership, either by virtue of the partnership agreement or power of attorney.
 - (iii) Authorized signatory of the firm, if it is a company, a letter of the authority in this respect must be closed along with the bid.
 - (iv) A person signing the tender form or any part thereof, on behalf of another, shall be deemed to warrant that he/she has the authority to bind the other and if on inquiry it appears that the person so signing has no authority do to so, Principal may without prejudice to other Civil and Criminal remedies, cancel the contract and hold the signatory liable for all costs and damages.

7. PRICES

Firm will submit the prices (all inclusive) for each item to be quoted on prescribed format attached with the tender document including charges for installation and commissioning with at least One year(12 months) Warranty from the date of satisfactory installation and commissioning of the equipment. The installation will include the mechanical, civil, electrical, furnishing work (if any) required at site.

The tenderer should take care that the rates and amounts are written in such a way its misinterpretations not possible.

The price ranking will be carried out as under:

1. The prices of optional items if not required as per technical specifications will be excluded for ranking purpose.
2. The ranking will be determined as under. Total Price (Cost) = Price quoted with all accessories as per technical specifications along with all the taxes and charges (if any). All these calculations must be clearly written by the bidder in price bid.
3. Offer with any price variation clause will not be accepted. The rates quoted in ambiguous terms such as "Freight on actual basis", "taxes as applicable extra" or "packing & forwarding extra" will render the tender liable for rejection.
4. G.S.T. or Central sales tax (C.S.T.) or as applicable must be reflected in the financial bid and the tax amount is to be clearly indicated separately but included in the lump sum price.
5. Bids shall be accepted with price quoted in variably in Indian Currency.
6. No increase in price shall be allowed even if claimed on the grounds of any statutory increase or fresh in position of any other tax later.
7. Discount, if any, offered by the bidder shall not be considered unless specifically indicated in the price schedule and shall be taken into account for consideration only if it is quoted clearly with net price taking all such factors like discount, free supply etc. to arrive at net price.
8. Prices: The tenderer are required to quote as per "Annexure" (Financial Bid) in a Separate Envelope. The rates quoted shall include the cost of Material, labour, Transport & Packaging etc. , as required for the completion of work.

9. VALIDITY OF BID:

The bid will remain valid for 1 months from the date of opening of financial bid.

10. TEST AND INSPECTIONS

Upon completion of the installation work, the tenderer /supplier shall facilitate inspection of the equipment by the principal or his authorized representative, to inspect & test the equipment and to confirm that they are installed in conformity to the required specifications and are serving the desired purpose. Any defect or failure to serve the desired purpose, discovered during the inspection will be promptly rectified and made good to the satisfaction of the principal or his authorized representatives.

11. GUARANTEE/ WARRANTY (Annexure-V)

The tenderer shall furnish along with their quotations the under noted Guarantee/Warranty:

- A. The Guarantee/ Warranty shall be for a period of at least 12 months from the date of satisfactory installation and handing over the equipment and of works conducted there with covered under the contract in working order. During the guarantee period the replacement of any part(s) of the equipment or rectification of defect of works will be free of cost. If the downtime exceeds seven consecutive days at any one time, the guarantee period will be extended beyond aforesaid 12 months by duration equal to the total down time during the period of warranty.
- B. The tenderer should produce written guarantee stating that the equipment being offered is latest model and that spares for the equipment will be available for a period of at least five years after its supply to the purchaser.
- C. The tenderer whose tender is accepted shall furnish the warranty (Where Ever Applicable) in **Annexure-V** Along with Bill.
- D. The manufacturer and the tenderer should guarantee the entire unit against defects of manufacture, work man ship and poor quality of components.
- E. The tenderer shall be are all cost of such replacement, including freight, if any, of such replace or repaired equipment and/or other articles but without being entailed to any extra payment on that or any other account. All documents required for replacement in part/parts will be made available by the indenter.


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Bidder Details


1. Name & Postal address of Bidder:
2. E-mail:
3. Name & address of Owners/ Partners/Directors:
4. Nature of Firm/Agency/Company (Sole/Partnership/otherwise):
5. Copy of GST Registration Certificate:
6. Copy of PAN Card:
7. Income Tax Return for last 03 Assessment years (21-22, 22-23 & 23-24):
8. Must have BIFMA certificate for manufacture (Only furniture):
9. Must have SEFA certificate for manufacture (Only furniture):
10. Undertaking certifying that the Firm is not blacklisted in Annexure IV:
11. Dealership Certificate (Latest):

Place:

Signature of the Proprietor/Authorized Signatory

Date:

(Name & Signature of the tenderer with seal)


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DEPARTMENT OF BOTANY
KARANJIA (Auto.) COLLEGE
LIST OF APPARATUS FOR
List of Instruments

Sl No.	
1	Laminar Air Flow Technical Specification: Air flow direction: Vertical, Working Size: 3'x2'x2', Air cleanliness: Class 100, Outer Construction: Powder coated MS sheet, Inner Construction: Steelness Steel, Air flow direction: Vertical, Sash (front door): Manual sliding type (Acrylic transparent), Side panels: Acrylic, Air velocity: 0.45 m/s to 0.65 m/s, Illumination: Fluorescent or LED light (2x20watts with UV light), Noise level: 65 ±5 db, Power supply: 220 volts / 50 Hz, Air filtration: Pre Filter: 10 microns, HEPA filter: (0.3 Microns), HEPA filter Size: 3R x 2R x 6inch, Standard fittings: Air / gas cock, Mains on/off switch, Light on/off switch and UV Light on/off switch Blower on/off switch (Make: BIOLINKK, PRIME, SPANCO TEK)
2	Cooling Centrifuge with rotor Technical Specification: Max Speed: 16000 rpm, Max RCF: 23000xg, Motor: Universal motor (with carbon brushes), 2 lines, 20 characters LCD display for set time, run time, set and run rpm, rel., Digital timer 0-59 minutes, Digital speed indicator and R.C.F. indicator, Programmable speed regulator from 2000 to 16000 rpm in variation of 100 rpm, safety lid lock, P.T.D. electronic digital temperature controller cum indicator is fitted to control the centrifuge temp., from room temp upto 20 deg. C means shuts off the cooling compressor within accuracy of ± 1 deg. C in standby mode, Temp. Accuracy when motor is also running is ± 2 deg. C, Temp. Range: from room temp. to minus 8 deg. C, Weight: 60kg, (Approx., Angle Rotor: 12x1.5/2.2ml (BL-T 60) (Make: BIOLINKK, PRIME, SPANCO TEK)
3	Gel Electrophoresis Horizontal Technical Specification: Dimension: 18.5cm (L) x 9.5cm (B) x 7cm (H), No. of Samples: Upto 8, Buffer Volume: 300ml, Number of casting Tray: 7x5cm, 10x7cm (1 No. Each) 5-wells 1.5mm thickness comb (well width), Number of Combs: (5mm interspace: 3mm) (2nos) 4wells 1.5mm thickness comb (Well Width 6mm, Interspace: 4mm) (1 No.), Comb Capacity (5mm Deep Well): 37ul, 137ul, Connecting Cord: Red and Black (Each One), No. of Platinum electrodes: positive and negative (each one), Buffer Chamber with Safety Lid: 1 No (HMS-0008) (Biolinkk/Spectronics/Spancotek)
4	Gel Electrophoresis Power Supply (Horizontal) Technical Specification: 10-300 V, fully adjustable in 1 V steps, 1-200 mA, fully adjustable in 1 mA steps, Type of output: Constant voltage or constant current, Output terminals: 4 pair recessed banana jacks in parallel, Timer: 1 min-999 min, fully adjustable, Start /Stop Function: Yes, Display: LCD/LED, Operating conditions: 0-40°C, 0-90% humidity in the absence of condensation, Safety features: No-load detection, sudden load change detection, overload/short-circuit detection, Input protection: Fuse on both hot and neutral, Input power (actual): 220VAC/50Hz (DPS 2003) (Biolinkk/Spectronics/Spancotek)
5	Microwave
6	Accupipette stand
7	Micro centrifuge tube 2ml
8	L shaped spreader
9	Gel Electrophoresis UV-Transilluminator Technical Specification: UV Source: 365nm Wave Length, Viewing Area: 24x14cm, UV Tube: 4x8 watts, UV Tube Housing: Anti Corrosion treated with Powder coated Mild steel, UV Safety Shield: Clear Transparent lid for excellent clarity, Input: 220V AC, 50-60Hz, Fuse: 1 Amp Anti slip rubber foot provided for base (BL UVG3654) (Biolinkk/ Spectronics/ Spancotek)
10	PCR Thermal Cycler Technical Specification: Performance Parameters: Purpose: PCR is a laboratory technique used to amplify segments of DNA via the Polymerase Chain Reaction, Display Interface: 7 inch LCD capacitive Touch Screen, Block Format: Fixed, Capacity of Blocks: 0.2ml x 1 x 96well, Maximum Heating Ramp rate in degree cycle per second: 5.5° C/S, Maximum Cooling Ramp rate in degree cycle per second: 3.3° C/S, Adjustable heating/cooling Ramp Rate: Yes, Temperature setting accuracy in °C: ±0.3 °C, Well to well temperature uniformity in °C: ±0.3 °C, Gradient Spread in °C: 1-24.9°C, Hot Lid Temperature: Fixed, 105°C, 120°C, off, Max No of Programmable Steps: 40, Max No of Programmable Cycles: 99, Availability of USB ports: 1, Memory to store programs: 500 set, Pause/Start function: Yes, Built-in Tin Calculator: Yes, Warranty - 1 Year after date of installation (Biolinkk-Blue Ray)
11	Dell Laptop
12	Wash Bottle 250ml
13	Dropping Bottle 60ml
14	Draining Tray
15	Graduated strand
16	Pipate rack (Horizontal)
17	Pipettor stand
18	Handypette pipette Aid 10ml, 25ml
19	Micropipette Technical Specification: Range: 0.5 to 2µl, 2-20µl, 20-200µl & 1000-5000µl, Variable, Fully Autoclavable, Calibrated in

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	accordance with ISO 8655 and each pipette supplied with individual test certificate (for Biochem/Biohaz/Biolab)
20	Micro tip box (2-200µl, 200-1000µl)
21	Micro tips (0.2-10µl, 2-200µl & 200-1000µl)
22	Incubator - 14x14x14 Outer MS & Inner SS Technical Specification: Size 14"x14"x14", Temperature upto 250, Accuracy ± 1 , C double walled inner chamber of anodized Aluminium/ Stainless Steel, Elements on three sides (Make: PRIME, SPANCO TEK, PRAGATI)
23	Rock for Micro centrifuge 5ml
24	Cryo box for microtube 5ml
25	Centrifuge tube 15ml
26	Float rate 1.5ml
27	Test tube stand (13 & 25mm Diameter)
28	Drying rack
29	Tryo box 1 or 1.8ml
30	Ice bucket 2.5 lt.
31	Parafilm 4" x 38m
32	Gloves (Large)
33	Kimwipes 11.17 x 21.3
34	Hand Protector grips
35	PCR tube 0.2 flat

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Priyajeet Saha
H.O.D. 28/1/23
Department of Botany

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DEPARTMENT OF CHEMISTRY

KARANJIA (Auto.) COLLEGE

LIST OF APPARATUS FOR

List of Instruments

ANNEX - II

Sl No.	
1	Digital pH Meter- Microprocessor based Technical Specification - pH range: 0-14 pH, pH resolution: 0.01pH, pH Accuracy: ± 0.02 pH, Temperature compensation: Automatic or Manual, Temp. Range: 0-100 deg C, mV range: ± 1999 mV, mV resolution: 1mV, mV Accuracy: ± 1 mV, Electrode: pH combination electrode with built in temperature sensor - Plastic-EPH02, Temp. Electrode: Built in, pH, mV and temp. Measurement, 3 point pH calibration, automatic buffer recognition, Buffers selectable from 1.68pH, 4.00pH, 4.01pH, 6.86pH, 7.00pH, 9.18pH, 9.20pH, 10.01pH and 12.45pH, Bi directional RS 232 Interface, Baud rate selectable from 1200, 2400, 4800 and 9600, Real time clock, Memory storage of 100pH measurements (CpH-102) (Biolinkk-Contech/Spancotek/Spectronics)
2	Digital Conductivity Meter - Microprocessor Based Technical Specification - Measurement Range: conductivity: 0-200mS/m spread into 5 ranges 0.00-20.00micro S/cm, 20.0-200.0 micro S/cm, 200-2000 micro S/cm, 2.00-20.00 MS/cm, 20.0-200.0MS/cm., Resistivity: 0-100 M ohm cm, TDS: 0-100ppt (g/L), Salinity: 0-100ppt, Temp.: 10-110 deg C, Precision: Conductivity: $\pm 1\%$ FS, Temp.: ± 0.4 deg C, ATC: 0-50 deg C, Display: Back Lite LCD, Power: 9V/500 Ma External adaptor or Battery backup unit (Option), Operating Temperature: 15-45 deg. C, Meter Dimensions (mm): 165 (L) x 19 (D) x 60 (H), Weight: 700gm, Electrode: Conductivity Electrode ECN G01, Temp Sensor Electrode ETS01 (CC-01) (Biolinkk-Contech/Spancotek/Spectronics)
3	Digital Potentiometer (with 2 Electrodes) Technical Specification: Range: 0 to ± 199.9 mV, 0 to ± 1999 mV, Resolution: 0.1mV, Repeatability: ± 1 mV, Accuracy: ± 1 mV ± 1 digit, Input Impedance: $> 10^{12}$ ohms, Operating temperature: 10o C to 45oC, Display: 3 1/2 Digit seven segment LED display with auto polarity indication, Power: 230V $\pm 10\%$ AC, 50 Hz, Dimensions: 275 X 175 X 76mm, Weight: 2.5 Kg (Approx.), Accessories: Platinum Electrode, Reference Electrode, Glass Electrode and Silver Electrode-1 No each, Buffer Tablets 4 pH & 7 pH, Operation Manual, Electrode Stand, and Dust Cover (SI-147) (Spectronics/Spancotek/Prime)
4	Microprocessor Melting Point Apparatus Technical Specification: Cylindrical silicon oil bath, Built-in Magnetic stirrer with electronic speed controller, Electronic controller for adjusting the heating rate, Digital display of temperature with PT-100 sensor, Glare-free back ground light with adjustable light intensity, Provision for holding the melting point display, Temp. Range: 2deg above RT-275deg C (SI-252) (Spectronics/Spancotek/Biolinkk)
5	Digital Hot Air Oven Technical Specification: Chamber Size: 350 x 350 x 350mm (14"x14"x14"), Capacity: 45 lit, Chamber: Stainless Steel, No of Shelves: 2, Inner chamber: Stainless steel, Exterior: Mild steel powder coated, Temperature range: Ambient 50°C to 250°C), Temperature accuracy: $\pm 1^\circ\text{C}$, Temperature sensor: PT100., Temperature Controller: Microprocessor PID Digital controller with timer, Air Circulating Fan, Power: 220/230 volts A.C (HCS-101B) (Spectronics/Spancotek/Biolinkk)
6	Spectrophotometer (UV-Visible) -Single beam (with accessories) Technical Specification - Optical System: Single beam, grating 1200 lines/mm, Wavelength Range: 190-1000nm, Bandwidth: 2nm, Wavelength Accuracy: ± 1 nm, Wavelength Repeatability: 0.5nm, Wavelength Setting: Auto, Photometric Accuracy: $\pm 0.5\%$ T, Photometric Repeatability: 0.3%T, Photometric Range: -0.3-3A, 0-200%T, Stray Light: $\leq 0.3\%$ T, Stability: $\pm 0.002\text{A/h@500nm}$, Display: 128*64 Dots LCD, Detector: Silicon Photodiode, Standard cell holder: 4-position 10mm cell changer, Light Source: Tungsten & Deuterium Lamp, Output: USB port & Parallel Port (printer), Power: AC 85-250V, Dimension: 420x280x180mm, Weight: 12kg, USB Cable, 4 Glass Cell (1cm), 2 Quartz Cell (1cm), Operating Manual, Dust Cover, Software CD, Software Key, Software Manual, Power Cable with Computer (BL-295) (Biolinkk/Spancotek/Spectronics)
7	MICRO CENTRIFUGE HIGH SPEED 10000 R.P.M (Microprocessor based) Technical Specification: Max. Speed: 10000 r.p.m., Motor- Universal Motor (with carbon), Power- AC 220V 50Hz, Dimensions: 510x510x390mm, Weight of Machine: 21kg approx., Rotor Type- Angle Head, Rotor Capacity- 8x15ml, Max. speed on Rotor- 10000 r.p.m., LCD Display, Digital Timer- 0-59 minutes, Programmable speed controller from 2000 to 10000 in variation of 100 rpm (BL-T-10M) (Biolinkk/Spancotek/Prime)
8	TLC UV Cabinet Technical Specification: UV Exposed area: 300 x 300 mm, UV Tubes: Short wave 254nm, Long Wave 365nm, White Light, UV Window: UV Protective shield, UV Area: Rubber mat with strips, Input Voltage: 230v $\pm 10\%$ AC 50Hz (BI-TLC-001) (Biochem/Biolinkk/Spancotek)
9	Double Distilled water Set Technical Specification: Capacity Distilled Water Output: 1.5 LPH, Minimum cooling water requirement (Ltr/min): 1, Heater: Quartz, Boiler: Boro 3.3, Condenser: Boro 3.3, Biological Activity: Pyrogen Free, Conductivity S/cm*: $< 3 \times 10^{-6}$, Power consumption (kw): 3 kW, Voltage (V): 230V, Dimensions (L x B x H) in mm: 640 x 630 x 520 (Borosil/Rivera)
10	Computer with CPU Technical Specification: Intel Core i3, 12th Gen., 8GB RAM, 512 SSD, Display: 19.5", Windows-11, MS Office, Keyboard & Mouse (HP)

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11	HP Laserjet Printer
12	Chemical Storage (Fibre)
13	Hot air gun
14	Tube stalagometer
15	Stalagometer
16	Specific gravity bottle
17	Rubber tube
18	Weighing bottle
19	Thermostat
20	Ostwalds Viscometer
21	Pyknometer (S.G. bottle)
22	Digital Stop watch
23	Long rubber tubing
24	Erlenmayer flask
25	COD Reactor (Dry Bath Heating) Technical Specification: Temperature range: RT +5 deg. C - 160 deg. C, Temp. Accuracy: ± 5 deg. C (@40 deg. C), Temp. Accuracy: ± 1 deg. C (@120 deg. C), Time range: 1-99h59min, Block Quantity: Two (BIDH100-2) (Br Biochem/Biolinkk/Spancotek)

J. M. C. W. E.
01.8.23
Principal
Karanjia Autonomous College
Karanjia, Mayurbhanj

S. S. S.
28/7/23
H.O.D.
Department of Chemistry

S. S. S.
Leet. in Chemistry
Karanjia (auto) College.

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13-06-24
Principal
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DEPARTMENT OF ZOOLOGY

KARANJIA (Auto.) COLLEGE

LIST OF APPARATUS FOR

Sl No.	List of Instruments
1	Gel Electrophoresis Vertical Technical Specification- Mini P-4 electrophoresis cell (2 gels), Casting stands, 2 casting frames, 5 sets of glass plates, 10-well combs x5, Sample loading guide, Total buffer volume for 2 gels-700ml, Precast gels, precast gels, Hand cast gels: Cast using spacer plates, Glass plate size (W x L) Short plate: 10.1 x 7.3 cm, Glass plate size (W x L) Spacer plate: 10.1 x 8.2 cm, Gel size (W x L) Hand cast: 8.3 x 7.3 cm, Gel size (W x L) Precast: 8.6 x 6.8 cm, Typical run times for SDS-PAGE: 35-45 min (at 200 V constant), Recommended power supply: Power II or Power IIc (MP-8003E) (Biolinkk/Spectronics/Spancotek)
2	Gel Electrophoresis System (Power Supply) Technical Specification- Output Voltage / Inc: 5 - 300V / 1V, Output Current / Inc: 1 - 700mA / 1mA, Power: 150W, Rated Voltage: 100-240V~, 47-60Hz, Type Of Output: 1. Voltage or Current with automatic crossover, 2. When target constant mode is set, system automatically adjusts the two other parameter to maximum to allow constant run (later could be changed by user), Program Storage: 30 programmed files, Program Multi-Step: Up to 6 steps, Editable Program Function: 1. Typical running conditions program, 2. Manual editable program, Display: 2.4" TFT, Control: Microprocessor controller, Safety Device: No Load detect, Leakage detect, Over temperature protection, Over load detection, Sudden load change detection (could be enabled by proper setting), Shrouded plugs and sockets, Timer: Constant: 9999 (min) with alarm / continuous, Program: 999 (min) with alarm / continuous, Crossover: YES, Stackable: YES, Automatic Recovery After Power Failure: YES, Operating Temperature: 40C- 400C, Construction Material: PC housing and flame retardant ABS faceplate, Dimension (WxLxH): Approx. 8.5"x13.2"x4.1" (215x335x104mm), Weight: Approx. 4.6lb (2.1kg) (MP-310) (Biolinkk/Spectronics/Spancotek)
3	Gel Electrophoresis Horizontal Technical Specification- Dimension: 18.5cm (L) x9.5cm (B) x7cm(H), No of Samples: Upto 8, Buffer Volume: 300ml, Number of casting Tray: 7x5cm, 10x7cm (1 No. Each) 5-wells 1.5mm thickness comb (well width), Number of Combs: (5mm interspace -3mm) (2nos) 4wells 1.5mm thickness comb (Well Width-6mm, Interspace-4mm) (1 No.), Comb Capacity (5mm Deep Well): 37ul, 137ul, Connecting Cord: Red and Black (Each One), No. of Platinum electrodes: positive and negative (each one), Buffer Chamber with Safety Lid: 1 No (HMS-0008) (Biolinkk/Spectronics/Spancotek)
4	Gel Electrophoresis Power Supply (Horizontal) Technical Specification- 10-300 V, fully adjustable in 1 V steps, 1-200 mA, fully adjustable in 1 mA steps, Type of output: Constant voltage or constant current, Output terminals: 4 pair recessed banana jacks in parallel, Timer: 1 min-999 min, fully adjustable, Start /Stop Function: Yes, Display: LCD/LED, Operating conditions: 0-40°C, 0-90% humidity in the absence of condensation, Safety features: No-load detection, sudden load change detection, overload/short-circuit detection, Input protection: Fuse on both hot and neutral, Input power (actual): 220VAC/50hz (DPS-2003) (Biolinkk/Spectronics/ Spancotek)
5	Vortex Mixer Technical Specification- Type of Movement: Orbital, Orbital diameter: 6mm, Speed range: 0-2500rpm, Speed range: Scale, Permissible ambient temp.: 5-40 deg C, Permissible relative humidity: 80%, Protection class according to DIN EN 60529: IP 21, Voltage: 200-240/115/100 V compatible, Frequency: 50/60 Hz, Power: 36W, Motor rating input: 30W, Motor rating output: 15W, Dimensions: 107x146x166mm, Weight: 3kg (MX-S) (Biolinkk/ Spectronics/ Spancotek)
6	Gel Electrophoresis UV-Transilluminator Technical Specification- UV Source: 365nm Wave Length, Viewing Area: 24x14cm, UV Tube: 4x8 watts, UV Tube Housing: Anti Corrosion treated with Powder coated Mild steel, UV Safty Shield: Clear Transparent lid for excellent clarity, Input: 220V AC, 50-60Hz, Fuse: 1 Amp Anti slip rubber foot provided for base (BL-UVG3654) (Biolinkk/ Spectronics/ Spancotek)
7	Digital Hot Plate with Magnetic Stirrer (Ceramic Plate) Technical Specification: Stirring Positions: 1, Set-Up plate dimensions: 135mm, Set-up plate material: Stainless steel with Ceramic plate, Motor type: DC motor, Max. Stirring quantity (H2O) (L): 5, Motor rating input (W): 3, Motor rating output (W): 2.5, Speed range (rpm): 100-1500, Safety temperature: 50-320 deg. C, External temperature sensor: PT1000, Control accuracy with external temperature sensor PT 1000 deg.C: ± 1 , Hot surface warning: 50 deg.C, Protection class according to DIN EN 60529: IP 42, Voltage (VAC): 200-240/100-12, Frequency (Hz): 50/60, Load: 10Kg, Power (W): 650, Display: LED Digital Display (BIMS-005) (Biolinkk/Br Blochem/Spancotek)
8	Centrifuge Machine Technical Specification- High speed Micro Centrifuge Max. R.P.M. 16000 and r.c.f 16800, Heavy duty plastic injection moulded body, Stainless Steel protection bowl, Fitted with well balance universal motor having long life with high grade carbons, 2 lines of 16 character LCD display of r.p.m., R.c.f, set time and run time, Digital timer which can be set from 0-99 minutes in interval of 1 minute, Programmable Speed Regulator from 2000 to 16000 in variation of 100 rpm, Last test parameter recall and displays automatically on LCD (BL-T-16) (Biolinkk/ Spectronics/ Spancotek)
9	Binocular Microscope Technical Specification: Head: Binocular, 360° rotating, 30° Inclined, Eyepieces: Wide Field 10x/18mm, Objectives: Achromatic 4x, 10x, 40x, 100x, Stage: Mechanical stage, 125x116mm with specimen holder, Focusing: Coaxial coarse and fine focusing mechanism with limit stop, Condenser: N.A. 1.2 with diaphragm adjustable height, Illuminator: 1W LED with external power supply (ES-20/B159) (Novel/Optika/Spancotek)
10	Rotary Microtome Machine Technical Specification - Section thickness setting: 0.5-60 microns setting values: From 0.5-2 micron in 0.5, micron increments, From 2-20 micron in 1 micron increments, From 20-60 micron in 5 micron increments, trimming, thickness: 10-60 microns, Vertical stroke: 60mm, specimen orientation: Horizontal, 8 degree, vertical 8 degree (BIMA-1120A)

11	(Br Biochem/Spencotek/Biolinkk)
	Spectrophotometer (UV-Visible) -Single beam (with accessories) Technical Specification: Optical System: Single beam, grating 1200 lines/mm, Wavelength Range: 190-1000nm, Bandwidth 2nm, Wavelength Accuracy: $\pm 1\text{nm}$, Wavelength Repeatability: 0.5nm, Wavelength Setting: Auto, Photometric Accuracy: $\pm 0.5\%$ T, Photometric Repeatability: 0.1%T, Photometric Range: 0.1 A, 0.200%T, Stray Light: $<0.1\%$ T, Stability: $\pm 0.002\text{A}/\text{h}$ @500nm, Display: 128*64 Dots LCD, Detector: Silicon Photodiode, Standard cell holder: 4-position, 10mm cell changer, Light Source: Tungsten & Deuterium Lamp, Output: USB port & Parallel Port (printer), Power: AC 85-250V, Dimension: 420x280x180mm, Weight: 12kg, USB Cable, 4 Glass Cell (1cm), 2 Quartz Cell (1cm), Operating Manual, Dust Cover, Software CD, Software Key, Software Manual, Power Cable with Computer (BI-295) (Biolinkk/Spectronics/Spencotek)
12	Micro Centrifuge (Microprocessor) Technical Specification: Speed: 3000rpm - 10000rpm (step 1000rpm), Centrifugal Force: 1000g - 7500 g, Sample Capacity: 8 x 2.0ml / 1.5ml / 0.5ml / 0.2ml tube, (additional 0.5ml and 0.2ml tube carriers) 2 x 8 x 0.2ml PCR tube, strip (tube strip only used when speeds 6000rpm), Time Range: 1s - 999min, Noise: $\leq 55\text{ Db}$, Dimension: 176 x 156 x 121 (mm), Net Weight: $\leq 1.5\text{kg}$, Power: 220V/110V 50-60HZ (BI-Mini 10K Plus) (Biolinkk/Spectronics/Spencotek)
13	Micropipette with Tips Technical Specification: Range: 10 μl & 200 μl , Variable, Fully Autoclavable, Calibrated in accordance with ISO 8655 and each pipette supplied with individual test certificate (Br Biochem/Biolinkk/Dlab)
14	Eppendorf tube 2ml
15	Dot ELISA Teaching kit (Br Biochem/Biolinkk/GoldBio)
16	Hiper SGOT (AST) Estimation Teaching kit (Br Biochem/Biolinkk/ Gold Bio)
17	Spray Bottle
18	Block Mould
19	Printer
List of Chemicals (Make: Br Bio chem/Bio linkk/Gold Bio)	
1	Agarose LE
2	50X TAE Buffer
3	Ethidium Bromide
4	6X Gel Loading Buffer
5	Plasmid DNA
6	Restriction Enzyme: Eco RI, Hind III
7	10X Assay Buffer
8	1 kb DNA Ladder
9	Molecular Biology grade Water (DEPC- treated)
10	RNAase
11	Proteinase K
12	Lysis Buffer
13	P-Nitro Phenyl Phosphate
14	EDTA

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W. S. S.
28.7.23
H.O.D.
Department of Zoology

J. Mohan
13.06.24
Principal
Karanjia Autonomous College
Karanjia, Mayurbhanj

DEPARTMENT OF MATHEMATICS

The following equipment are required for department of Mathematics.

- | | |
|--|--------|
| 1. Computer system with latest specification - | 10 pc |
| 2. Matlab software | |
| 3. Desktop Table and chair - | 10 set |
| 4. Projector - | 1pc |
| 5. Printer - | 2pc |
| 6. Scientific calculator - | 32 pc |
| 7. Inverter - | 1pc |

J Mohanta
6/8/23

Principal

Karanjia Autonomous College
Karanjia, Mayurbhanj

Sandeep Samal
lect. in Mathematics

Sandeep Samal
20/7/23

J Mohanta
13-06-24

Principal

Karanjia Autonomous College
Karanjia, Mayurbhanj

EQUIPMENT LIST FOR DEPT. OF PHYSICS
Karanjia Autonomous College, Karanjia, Mayurbhanj

The following equipment are required for dept. of Physics.

- 1) Computer system with latest specification- 7set
- 2) Matlab software
- 3) Computer table and chair-8 set
- 4) Canon laser wifi printer(scanner ,printer, xerox)-all in one
- 5) de sauty bridge experiment complete set up

J.M. Loh
01.08.23
Principal
Karanjia Autonomous College
Karanjia, Mayurbhanj

Harckrushna Sethi
lect. in physics
HoD, Physics

J.M. Loh
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Principal
Karanjia Autonomous College
Karanjia, Mayurbhanj

Annexure-III**FINANCIAL BID**


SL No	Name of the Items	Make & Model	Qty	Taxable price Per unit	GST@%	Total Price Including GST
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

Price: - Total price should be inclusive of all taxes. Items quoted must be as per the specifications given in enclosed Annexure-II

Signature & Seal of the Supplier

Place:

Date:


13-06-24
Principal
Karanjia Autonomous College
Karanjia, Mayurbhanj

SELF DECLARATION-CUM-UNDERTAKING

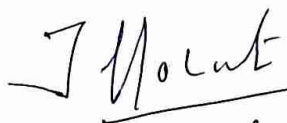
It is certified that my Firm/ Agency/ Company has never been **black listed** by any of the Departments/ Autonomous Institutions/ Universities/ Public Sector Undertakings of the Government of India or Government of Odisha or any other State Government or reputed educational institutions and no criminal case is pending against the said Firm/Agency/Company as on date _____.
I/we agreed to abide by all the terms & conditions of this tender as mentioned in the paper.

Signature of the Bidder:

Name of the Authorized Signatory:

Name of the Firm:

Seal:


13-06-24
Principal
Karanjia Autonomous College
Karanjia, Mayurbhanj

GUARANTEE/WARRANTY

I/We hereby declare that the equipment and other articles supplied to the purchaser under this contract shall be of the best quality and workmanship and are strictly in accordance with the specification and particulars contained/mentioned in the clause hereof and I/we hereby guarantee that the said equipment and other articles confirm to the description and quality aforesaid.

The purchaser will be entitled to reject the said equipment and other articles as maybe discovered not to confirm to the said description and quality. On such rejection the equipment and other articles will be returned in own risk and all the provision herein contained relating to rejection thereof shall apply. I/we shall, if called upon to do so, replace within a period of 14 days or such further period that be extended from time to time by the purchase at his discretion, and an application made thereof by us, the equipment and other articles as are rejected by the purchaser and in such an event the above mentioned Warranty shall apply to the equipment and/or other articles replaced from the date of replacement thereof, otherwise the tenderer shall pay to the purchaser such damages as may arise by reason of therein contained without prejudice to any other right of the purchaser in that behalf.


The equipment being offered is latest model and that spares for the equipment's will be available for a period of at least five years after its supply to the purchaser.

The Guarantee/ Warranty shall be for a period of at least 12 months from the date of satisfactory installation and handing over the equipment and of works conducted there with covered under the contract in working order. During the guarantee period the replacement of any part(s) of the equipment or rectification of defect due to manufacturing of works will be free of cost. If the downtime exceeds seven consecutive days at any one time, the guarantee period will be extended beyond aforesaid 12 months by duration equal to the total down time during the period of warranty.

Signature with seal of the tenderer

Date:

Place:


13.06.24
Principal
Karanjia Autonomous College
Karanjia, Mayurbhanj

LETTER OF WILLINGNESS

To

The Principal,
Principal, Karanjia Autonomous College,
Karanjia, Mayurbhanj.

Sub: Submission of willingness certificate to supply/ install (Science Lab. Equipment) at your college premise.

Sir,

I am to inform you that my firm _____
is ready to **supply & install** (Science Lab. Equipment) within the specified period of receipt of work order from the college, if my firm is selected as eligible bidder during the selection of tender. If my firm fails to supply and install the required items in the quoted price, I am willing to accept all the clauses of Bid evaluation criteria, general terms and compliance to the scope of work requirement as mentioned in the Tender paper.

Yours faithfully,

Authorized Signatory of the firm with Seal

Date:

Place:


Principal²⁴
Karanjia Autonomous College
Karanjia, Mayurbhanj

PAST WORK/SUPPLY EXPERIENCE
Work of Similar nature over the last 3years

Sl. No	Name & Address of College	PO No & Date	Total Value of items supplied	Date of Supply	Contact no for College
01					
02					
03					

Authorized Signatory of the firm with Seal

Date:

Place:


13.06.24

Principal
Karanjia Autonomous College
Karanjia, Mayurbhanj