



# **BEGUNIA COLLEGE, BEGUNIA, KHORDHA**

## **REQUEST FOR QUOTATION (RFQ)**

1. Procurement of Laboratory Equipments and Chemicals/Glassware (Consumables)
2. Supply & Installation of Cupboard Doors of all Labs & Gas Pipe Line for Chemistry Lab.

## **FUNDED BY**

Higher Education Department, Govt. of Odisha  
for Improvement of Science Laboratories.

## **FOR**

Begunia College, Begunia,  
Dist.: Khordha

Tender Document No.: BDC/ISL/01/2024

Dated \_\_/02/2024

## **ISSUED BY**

Principal, Begunia College,  
Begunia, Khordha – 752062,  
Odisha.

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## **SCHEDULE**

Tender No.	BDC/ISL/01/2024
Name & Address of the Tenderer	Principal, BeguniaCollege,Begunia,Khordha – 752062,Odisha.
Scope of Work	1. Procurement of Laboratory Equipments and Chemicals/Glassware (Consumables) 2. Supply & Installation of Cupboard Doors of all Labs & Gas Pipe Line for Chemistry Lab.
Quantity to be Supplied	As per Annexure- I & II
Location of Supply & Installation	BeguniaCollege,Begunia, Khordha – 752062,Odisha.
Cost/Fee of Tender Document	Nil
Earnest Money Deposit	Rs.10,000/- (Rupees Ten Thousand Only)
Date of publication of Tender Document	6.03.2024
Last Date for Submission of Bids	27.03.2024
Date of Opening of Tender	30.03.2024
Mode of Submission of Bids	Registered Post / Speed Post / Courier
Contact Person for queries on Tender	Mr. Subhendu Pattanaik Mob: 7008069379

## **ELIGIBILITY CRITERIA**

The bidders who fulfill the below mentioned criteria shall be allowed to participate in the bidding process for the Tender.

1. Should not have been blacklisted by Central Govt./ any State Govt./ Govt. Organizations/ Financial Institutions/ Public sector Units/ Any Court in the Country. A self-declaration for the same as per Annexure-IV is required to be submitted.
2. Must be registered under the GST Act.
3. Must have a Valid PAN / TAN as may be applicable.
4. If the bidders claim to be an authorized representative or dealer of the Original Equipment Manufacturer (OEM) then the bidder must submit a letter from the OEM to that effect.
5. Annual GST Return for the completed 2 Financial Years and preceding 2 months/1 Quarter's GST Return as may be available.

## **HOW TO SUBMIT BID**

Steps to be followed for submission of the bids;

1. Bidders are required to submit **Separate Bids** for;
  - a. Procurement of Laboratory Equipments and Chemicals/ Glassware (Consumables)
  - b. Supply & Installation of Cupboard Doors of all Labs & Gas Pipe Line for Chemistry Lab.
2. **Consolidated Bid** i.e., Technical Specifications as well as Price against each item to be submitted preferably printed in Blue or Black Ink.
3. Wherever **Technical specifications** are provided against the items, Bidders should adhere to that specification unless they have a better specification at the same price. If the specifications are going to be different than that was prescribed then the specifications should preferably be printed in the RED ink so that it will be easily identifiable. Where there exists no specification against an item then the Bidders are at liberty to include their specifications they are going to supply preferably be printed in the *ITALICS*.
4. **Earnest Money Deposit** (EMD): Bidder(s) has/have to submit EMD of Rs.10,000/- (Rupees Ten Thousand only) in the form a Demand Draft in favour of "The Principal, Begunia College, Begunia" payable at Begunia which would accompany the consolidated bid in a separate envelop sealed and marked as 'EMD'. Without EMD the bid is liable to be rejected.

5. EMD will be returned to the unsuccessful bidder(s) on acceptance of the Purchase Order/ Work Order by the Successful Bidder(s) within a period of 5 working days from the date of such acceptance. The EMD of the successful bidder shall be released on successful completion of the supply or service as the case may be or forfeited in case of delay or deficiency in supply or service.
6. **Separate Consolidated Bids for items mentioned in Annexure-I & II** shall be submitted in a single sealed envelope marked as "CONSOLIDATED BID". Price quoted against each item in Annexure-I should be inclusive of all applicable taxes & levies and on delivery at site basis. If any item in Annexure-1 requires installation or DEMO then the price should include that too. Price quoted against each item in Annexure-II should be inclusive of all applicable taxes & levies and on installation of the same at site basis.
7. The following documents as specified below shall be put in one sealed envelop super scribed at the top as "**CONSOLIDATED BID FOR TENDER NO. BDC/ISL/01/2024**" and addressed to 'The Principal, Begunia College, AT/P.O.- Begunia, Dist.- Khordha, Pin. - 752062, Odisha'.
  - a. EMD of Rs.10,000/- (Rupees Ten Thousand Only) as per point no. 4 above.
  - b. GST Registration Certificate Copy.
  - c. PAN & TAN Card Copy.
  - d. Letter from OEM if applicable.
  - e. Annual GST Return for the completed 2 Financial Years and preceding 2 months/1 Quarter's GST Return as may be available.

- f. Self-Declaration as per Annexure-IV.
- g. Bid Envelope as per point no. 6 above.

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

1. Bidders shall prepare the bid and submit it as per point no.7 in the Bid submission at page-6 through Speed Post/Registered Post/Courier only. No in-person submission is allowed. The bidders should take care to send their bids well advance in time so as to reach the Tenderer in time as per Schedule. Authority shall not be responsible for any delays in receipt of the bids.
2. Bidders shall check for any notice/ Corrigendum/ amendment / Clarification to the Tender Document in the College Website viz., [www.beguniacollege.org](http://www.beguniacollege.org). No separate notification/communication shall be issued for suchnotice/ Corrigendum/ amendment / Clarification etc. in the print media.
3. The submitted **bids shall be opened** on 30/03/2024 at 2 PM in the presence of Tender/Purchase Committee. One representative from each bidder shall be allowed to remain present at the time of opening of the Bids. No separate intimation shall be given to the bidders in this regard.
4. **Evaluation of the Bids & Award** of the Purchase Order or Work Order as the case may be, shall be as per Evaluation & Award of contract(s) given in page 10 of this Tender Document.

5. The **Warranty** of the Items Supplied and Services rendered shall be 1 Year from the date of supply or installation unless the OEM's policy specifies a longer period.
6. The Bids not submitted in Prescribed Format or in Prescribed Manner shall be rejected by the Tender/Purchase Committee at the risk & responsibility of the Bidder.
7. All submissions in the Quotation should be true, unambiguous, without using abbreviations & neatly, clearly & legibly typewritten/printed.
8. Each page of the tender document should be signed with seal by the Bidder in token of having understood and accepted the terms and conditions of the same.
9. Bid once submitted can not be permitted to be withdrawn or modified. The authority reserves the right to accept any bid, Increase/Decrease or Delete all together in the quantity of the Items, annul the bid process or reject all bids at any time prior to award of the contract without assigning any reason & without thereby incurring any liability to the affected bidder or bidders.
10. As the Items are to be on delivery at site basis, any transit risk shall be on the successful bidder(s).
11. If the successful bidder does not accept the contract or dishonours the contract the EMD shall be forfeited and the Contract may be awarded to the next Successful Bidder. Decision of the Tender/Purchase Committee is final in this regard.



12. After successful delivery/installation of the items the same shall be verified as to quantity, quality, and damage in transit or at the time of installation by the concerned Department Head and put his/her signature on the delivery challan or on the installation report. The Invoice shall be raised thereafter in the name of Principal, Begunia College, Begunia and submitted in duplicate at the office for payment. Payment shall be released within a period of 10 working days to the account of the Firm/Company (successful Bidder). There shall be no advance payment provision in the supply or service contract to be awarded to the successful bidder.
13. The Supply of the Items and Installation wherever required shall be completed as per mutually agreed dates to be mentioned in the Purchase Contract or Work Contract.
14. Any matter which is not specifically covered under the above mentioned terms & conditions shall be governed as per generally accepted terms and conditions regulating a Contract under the applicable Law.
15. All disputes under this Tender shall be subject to Jurisdiction of Khordha Courts.

## **EVALUATION AND AWARD OF CONTRACT(S)**

- A. The Tender/Purchase Committee of the College will examine & determine each bid as to its completeness in all respects and decide whether the bid is substantially responsive or otherwise.
  - a. A substantially responsive bid is one that confirms to all the terms, conditions and specifications contained in the bidding document without any material deviations, objections, conditions or reservations. Bid(s) which is/are not substantially responsive will be rejected.
  - b. In case a Bid contains any conditions or deviations or reservations about the contents of the Tender document, the Tender/Purchase Committee may ask for withdrawal of such conditions or deviations or reservations. If the Bidder does not withdraw as asked the Bid shall be treated as non-responsive.

- c. The Tender/Purchase Committee's decision on Responsiveness or Non-Responsiveness of a Bid shall be final & binding.
- B. The Successful Bidder shall be decided on a Lower Price Quote (L-1) Basis considering all other specifications being met. The Tender/Purchase Committee may evaluate Lower Price Quote against each item submitted by the Bidders and if it is found that though one of the Bidder has a Lower Price Quote (L-1) for all items put together and another Bidder has Lower Price Quote for some items which is significantly lower than that of the L-1 Bidder then the Tender/Purchase Committee may divide the contract and award part of the contract to the Bidder for those items for which the Bidder has quoted significantly lower price.
- C. Principal, Begunia College, Begunia will issue LoA (Letter of Award) in duplicate to the Successful Bidder(s) by Registered Letter/ Speed Post within a period of 5 working days from receipt of the decision of the Tender/Purchase Committee. The Successful Bidder must return the duplicate copy duly stamped & signed as a token of acknowledgement thereof within 5 working days of the receipt of the same by any mode including in person delivery.
- D. Formal Purchase Order and/or Work Order will be issued by the Authority only after receipt of the Acknowledgement of LoA from the Successful Bidder(s). If the Successful Bidder so wishes the Purchase Order and/or Work Order can be collected from the College physically by the

Person/Firm/Company himself/itself or through a representative to expedite the Supply or Service.

- E. However, to expedite the process the scanned copy of the signed LoA may be sent through email and in that event the Successful Bidder(s) shall be required to collect the LoA physically from the college after signing with seal the duplicate copy of LoA as a token of acknowledgement within a period of 5 working days from the date of receipt of email. To further expedite the process the Formal Purchase Order and/or Work Order can also be collected same day from the College.

#### **ANNEXURE-I**

### **PROCUREMENT OF LABORATORY EQUIPMENTS AND CHEMICALS/GLASSWARE (CONSUMABLES)**

#### **Department of Physics**

Sl. No.	Particular of Items with Specs	Quantity
1	Potentiometer (To determine unknown low resistance)	1
2	To study the characteristics of a series RC circuit	1
3	To verify the Thevenion and Norton's theorem	2
4	To determine self-Inductance of a coil by Andreson's bridge	1
5	To determine the frequency of an Electric tuning fork by Meldes experiment and verify 2T law	1
6	Spectrometer	1
7	Monochromatic source of light	2
8	Amplifying glass	5
9	Reading lamp	1
10	To determine mechanical equivalent of heat by Callender and Barns constant flow method	2
11	To determine the temperature coefficient of resistance by platinum resistance thermometer(PRT)	2
12	To determine the specific heat of solid by applying radiation correction	1
13	To study the frequency response of voltage gain of R-C coupled transistor amplifier	2

14	Study of v-I and power errors of solar cell and find Maximum power point and efficiency	2
15	To setup the Millikan oil drop apparatus and determine the charge of electron	1
16	To determine Planck's constant using LEDs of at least 4 different colours	
17	Measurement of voltage, time period of a periodic wave form using CRO and to test a diode and transistor using a millimeter	1
18	To design a switch (NOT gate) using a transistor	3
19	Measurement of susceptibility of paramagnetic solution (Quickest tube method)	1
20	To measure the magnetic susceptibility of solids	1
21	To measure the dielectric constant of a dielectric material variation with frequency	1
22	To determine the hall coefficients of a semiconductor sample	1
23	To verify the law of Malus for plane polarized light	1
24	To determine the specific rotation of sugar solution using polarimeter	1
25	To analyse elliptically polarized light by using a Babinet compensator	1
26	To determine the refractive Index of glass and liquid by total internal reflection using a Gaussian eye piece	1
27	Resistance Wires	1
28	Connecting Wires	1
29	Rheostat	4 No.
30	<b>Battery Eliminator</b>	4 No.
31	Voltmeter	2
32	Ammeter	2
33	Galvanometer	2
34	Meterbridge	4 No.

### **Department of Chemistry**

Sl. No.	Particular of Items with Specs	Quantity
1.	Burette stand	40 pieces
2.	UV spectroscopy (195nm-1020 nm)	1 piece
3.	Glass stirring rod	100 pieces
4.	Spectacles glasses for lab	100 pieces
5.	Lab Gloves	500 pieces
6.	Lab Thermometer	50 pieces
7.	Lab Hot Plate	3 pieces
8.	Lab Spatula	2 sets
9.	Electronic weight balance machine	2 pieces
10.	Pensky-Marten's Flash Print Apparatus	5 pieces
11.	Digital Spectrophotometer	2 pieces
12.	Seybolt Viscometer	2 peices
13.	Funnel Stand	10 peices
14.	Pippets 5ml	10 peices
15.	Pippets 0.5ml	10 peices
16.	Thin layer Chromotography	3 peices
17.	Mercury Vap. Lamp.	5 peices

18.	Stop Watch Plastic body	10 peices
19.	Digital Chemicals Balance sensitvity 0.1gm, Cap. 100gm	2 peices
20.	Polarimeter Complete set	2 peices
21.	Magnetic Stirrer With Thermostat	2 peices
22.	Vaccum Pump	2 peices
23.	Heating Mantle with Regulator 1000ml	2 pieces

### **Department of Zoology**

Sl. No.	Particular of Items with Specs	Quantity
1	Electric Binocular Microscope (Digital) Camera fitted	
2	Microtome (Senior rotary) with accessories	
3	Embryological Incubator	
4	Thermistor (Digital)	
5	Thermometer (Celsius)	
6	Plankton net	
7	Soil Thermmeter	
8	Insect trap	
9	Tulgren funnel	
10	PH meter digital	
11	PH Papers	
12	Haemocytometer (2)	
13	Haemoglobino meter (2)	
14	Freezor electric (Refrigerator) 180 ltrs	
15	Oven electric 20ltrs	
16	Centrifuge Digital	
17	Laboratory fixed projector system	
	<b>SECTION SLIDES</b>	
18	L.S. of Scypha	2
19	L.S. of Hydra	2
20	T.S. of Ascaris	2
21	T.S. of Nereis	2
22	T.S. of Pheretima (Pharyngeal)	2
23	T.S. of Pheretima (Gizzard)	2
24	T.S. of Pheretima (Typhlosole)	2
25	T.S. of Hirudinaria (Crop)	2
26	T.S. of Asterias (Arm)	2
27	T.S. of Lamellar region	2
	<b>CYTOLOGICAL SLIDES</b>	
28	Mitochondrion	2
29	Golgi Apparatus	2
30	Stages of Mitosis	2
31	Stages of Meiosis	2
32	Gastrula of Frog, Asterias, Branchiostoma	2
	<b>EMBRYOLOGICAL SLIDES</b>	
	<b>FROG</b>	
33	Whole mount and sections of cleavage, Blastula, Gastrula, Neurula, Tail-bud Stage, Tadpole(External and Internal gill stages.	2PIECES EACH

	<b>CHICK</b>	
34	wHole mount and sections of Primitive streak(13 & 18 hrs),21,24,28,33,36,48,72 & 96hrs of incubation and Hamburger stages).	2PIECES EACH
35	Photomicrographic slides of different sections of placenta.	2PIECES EACH
	<b>STOCK CULTURE</b>	
36	Developmental stages of Drosophillia	2
	<b>MODELS</b>	
37	Different fossil types	1 Piece Each

<b>NONCHORDATA: PROTOZOA</b>		<b>QUANTITY</b>
1	Amoeba Proteus	1
2	Entamoeba histolytica	1
3	Elphidiumcrispa	1
4	Euglena viridis	1
5	Noctiluca scintillans	1
6	Trypanosoma evansi	1
7	Giardia lamblia	1
8	Opalina triangularis	1
9	Myxoboluscalbasui	1
10	Nyctotherus ovalis	1
11	Paramoesium aurelia	1
12	Monocystis rostrata	1
13	Plasmodium vivax	1
14	Eimeria bovis	1
	<b>PORIFERA</b>	
15	Scypha(sycon)gelatinosum	1
16	Euplectella aspergillum	1
17	Poterionneptuni	1
18	Spongilalacustris	1
19	Euspongia officinalis	1
	<b>CNIDARIA</b>	
20	Hydra viridis	1
21	Hydra with bud	1
22	Hydra with gonad	1
23	Obelia geniculata	1
24	Medusa bud	1
25	Porpita porpita	1
26	Vellelavellela	1
27	Physalia physalis	1
28	Aurelia aurita	1
29	Ephyra larva	1
30	Pennatulaphosphorea	1
31	Corallium rubrum	1

32	<i>Tubipora purpurea</i>	1
33	<i>Metridiumschillerianum</i>	1
34	<i>Adamsia palliata</i>	1
35	<i>Anemonia sulcata</i>	1
36	<i>Astrea calycularis</i>	1
37	<i>Madreporaoculata</i>	1
38	<i>Fungiafungites</i>	1
	<b>CTENOPHORA</b>	
39	<i>Hormiphora plumosa</i>	1
40	<i>Beroe forskalii</i>	1
	<b>PLATYHELMINTHES</b>	
41	<i>Dugesia(planaria)tigrina</i>	1
42	<i>Bipaliumkewense</i>	1
43	<i>Fasciola hepatica</i>	1
44	<i>Miracidium larva</i>	1
45	<i>Schistosoma haematobium</i>	1
46	<i>Taenia solium</i>	1
	<b>ASCHELMINTHES</b>	
47	<i>Ascaris lumbricoides</i>	1
48	<i>Procamellanusmehrii</i>	1
49	<i>Wuchereriabancrofti</i>	1
50	<i>Microfilaria bancrofti</i>	1
51	<i>Anncylostoma duodenale</i>	1
	<b>ANNELIDA</b>	
52	<i>Neanthes (Neries) chilkaensis</i>	1
53	<i>Heteronereis</i>	1
54	<i>Aphrodite australis</i>	1
55	<i>Chaetopterusvariopedatum</i>	1
56	<i>Sabella melanostigma</i>	1
57	<i>Arenicola marnia</i>	1
58	<i>Terebellaehrenbergi</i>	1
59	<i>Trochophore larva</i>	1
60	<i>Pheretimaposthuma</i>	1
61	<i>Hirudinariajavanica</i>	1
62	<i>Poyigordiusneapolitanus</i>	1
	<b>ECHIURIDA</b>	
63	<i>Echiurusechiurus</i>	1
	<b>ARTHROPODA</b>	
64	<i>Triops(Apus) conacriformis</i>	1
65	<i>Daphnia cucullata</i>	1
66	<i>Branchipusstagnalis</i>	1
67	<i>Cyclops viridis</i>	1
68	<i>Argulus foliaceus</i>	1
69	<i>Lepas anatifera</i>	1
70	<i>Balanus amphitrite</i>	1
71	<i>Sacculinasp</i>	1



72	<i>Mysis relicta</i>	1
73	<i>Oniscus asellus</i>	1
74	<i>Squilla nepa</i>	1
75	<i>Macrobrachium rosenbergii</i>	1
76	<i>Penaeus monodon</i>	1
77	<i>Epagurus perideauxi</i>	1
78	<i>Hippidea (Hippra) anomala</i>	1
79	<i>Carcinus maenas</i>	1
80	<i>Nauplius narva</i>	1
81	Zoea larva	1
82	Megalopa larva	1
83	<i>Lepisma cineta</i>	1
84	<i>Periplaneta americana</i>	1
85	<i>Grylotalpa vulgaris</i>	1
86	<i>Gryllus campestris</i>	1
87	<i>Schistocerca gregarina</i>	1
88	<i>Melanopuss pefus</i>	1
89	<i>Carausius morosus</i>	1
90	<i>Phyllium scythe</i>	1
91	<i>Termes</i> sp. (Termite queen)	1
92	<i>Aeshna cyanea</i>	1
93	<i>Cicada sankana</i>	1
94	<i>Aphis pomi</i>	1
95	<i>Leptocoris aoratorius</i>	1
96	<i>Cimex lectularius</i>	1
97	<i>Pediculus humanus capitis</i>	1
98	<i>Culex pipiens fatigans</i>	1
99	<i>Anopheles stephensi</i>	1
100	<i>Aedes aegypti</i>	1
101	<i>Musca domestica</i>	1
102	<i>Phlebotomus sergenti</i>	1
103	<i>Tryporyza incertulus</i>	1
104	<i>Anomissabulifera</i>	1
105	<i>Scirpophaganivella</i>	1
106	<i>Pieris</i> sp	1
107	<i>Rhaphicerastrius</i>	1
108	<i>Leucinodes orbonalis</i>	1
109	<i>Earias insulana</i>	1
110	<i>Protoparce convolvuli</i>	1
111	<i>Apis dorsata</i>	1
112	<i>Xenopsyllacheopsis</i>	1
113	<i>Sitophilus oryzae</i>	1
114	<i>Coccinella (Adalia) variabilis</i>	1
115	<i>Apion corchori</i>	1
116	<i>Tribolium castaneum</i>	1
117	<i>Callisobruchus maculatus</i>	1

118	Rhizoperthadominica	1
119	Scolopendrasubspinipes	1
120	Cylindroiulus (julus) londinensis	1
121	Limulus polyphemus	1
122	Palamnaeus bengalensis	1
123	Araneus diadematus	1
124	Argas reflexus	1
125	Tetranychustelarius	1
126	Peripatus capensis	1
	<b>MOLLUSCA</b>	
127	Chiton barnesi	1
128	Dentalium variable	1
129	Lamellidensmarginalis	1
130	Solen radiata	1
131	Teredo calva	1
132	Mytilus edulis	1
133	Pinctada margaritifera	1
134	Glochidium larva	1
135	Patella rustica	1
136	Haliotistuberculata	1
137	Pila globosa	1
138	Cypraeatigris	1
139	Bellamyia bengalensis	1
140	Charonia (Triton) tritonis	1
141	Murex tribulus	1
142	Aplysia depilans	1
143	Doridium (Doris) depictum	1
144	Achatina Lissachatina) fulica	1
145	Laevicaulisalte	1
146	Lymnaealuteola	1
147	Indoplanorbissexustus	1
148	Veliger larva	1
149	Sepia aculeata	1
150	Loligoduvaceli	1
151	Octopusmacropus	1
152	Nautilus pompilius	1
	<b>ECHINODERMATA</b>	
153	Antedon rosacea	1
154	asterias rubens	1
155	Ophiuraciliaris	1
156	Ophiocoma nigra	1
157	Echinus esculentus	1
158	Cucumariafrondosa	1
159	Holothuria nigra	1
160	Bipinnaria larva	1
161	Pluteus larva	1

<b>HEMICHORDATA</b>		
162	Balanoglossus gigas	1
163	Tornaria larva	1
<b>UROCHORDATA</b>		
164	Salpa fusiformis	1
165	Doliolumdenticulatum	1
166	Pyrosoma spinosum	1
167	Ascidia andamanensis	1
168	Tadpole larva of ascidia	1
169	Molgulasolenota	1
170	Oikopleura albicans	1
<b>CEPHALO CHORDATA</b>		
171	Branchiostoma (Amphioxus) lanceolatum	1
<b>AGNATHA</b>		
172	Petromyzon marinus	1
173	Ammocoete larva	1
174	Myxine glutinosa	1
<b>ELASMOBRANCHII</b>		
175	Scoliodonlaticaudus	1
176	Sphyrna zygaena	1
177	Pristispectinata	1
178	Himantura (Trygon) bleekeri	1
179	Torpedo (Naracine) torpedo	1
<b>TELEOSTOMI</b>		
180	Amia calva	1
181	Labeorohita	1
182	Labeo bata	1
183	Labeocalbasu	1
184	Cirrihnumrigala	1
185	CatlaCatla	1
186	Spawn, Fry and fingerlings of labeorohita and catlacatla	1
187	Hypophthalmichthyes molitrix	1
188	Cyprinus carpio	1
189	Ctenopharyngodonidellus	1
190	Puntius (Barbus) sarana	1
191	Clarias Batrachus	1
192	Wallago attu	1
193	Heteropneustesfossilis	1
194	Mystusvittatus	1
195	Colisa (Trichogaster) fasciatus and sota	1
196	Lates calcarifer	1
197	Daysciaena albida	1
198	Anabas testudineus	1
199	Glossogobiusgiurisgiuris	1
200	Mugil parsia	1

201	Rhinomugilcorsula	1
202	Poly-nemusparadiseus	1
203	Pampus argenteus	1
204	Mastacembelusarmatusarmatus	1
205	Harpadonnehereus	1
206	Exocoetus volitans	1
207	Syngnathusspicifer	1
208	Hippocampus brachyrhynchus	1
209	Notopterusnotopterus	1
210	Chitala	1
211	Gonialosamanmina	1
212	Hilsailisha	1
213	Channa punctatus	1
214	Channa striatus	1
215	Monopterus (Amphipnous) cuchia	1
216	Echeneisnaucrates	1
217	Cynoglossuscynoglossus	1
	<b>DIPNOI</b>	
218	Lepidosirenparadoxa	1
219	Protopterusuethiopicus	1
220	Neoceratodusforsteri	1
	<b>AMPHIBIA</b>	
221	Ichthyophissikki-mensis	1
222	Uraeotyphlusoxyurus	1
223	Cryptobranchusalleganiensis	1
224	Ambystoma tigrinum	1
225	Axolotl larva	1
226	Salamandra salamandra	1
227	Tylototritonverrucosus	1
228	Necturusmaculosus	1
229	Siren lacertina	1
230	Bufo melanostictus	1
231	Hyla annectens	1
232	Xenopus laevis	1
233	Alytes obstetricans	1
	Rhacophorus malabaricus	1
	<b>REPTILIA</b>	
234	Chelone mydas	1
235	Trionyx gangeticus	1
236	Kachugakachuga	1
237	Gekko gecko	1
238	Hemidactylus flaviviridis	1
239	Varanus bengalensis	1
240	Calotes versicolor	1
241	Mabuyamacularis	1
242	Chamaeleozeylanicus	1

243	<i>Draco dussumieri</i>	1
244	<i>Phrynosoma cornutum</i>	1
245	<i>Ophisaurus gracilis</i>	1
246	<i>Moloch horridus</i>	1
247	<i>Heloderma suspectum</i>	1
248	<i>Typhlopsdiardi</i>	1
249	<i>Viperarusselli</i>	1
250	<i>Bungarus fasciatus</i>	1
251	<i>Amphiesmastolata</i>	1
252	<i>Xeno-chrophis piscator</i>	1
253	<i>Naja naja</i>	1
254	<i>Zamenismucosus</i>	1
255	<i>Hydrophisornatus</i>	1
256	<i>Gavialis gangeticus</i>	1
257	<i>Crocodylusporosus</i>	1
258	<i>Alligatirmississippiensis</i>	1
	<b>AVES</b>	
259	<i>Columba livia</i>	1
260	<i>Psittaculaeupatria</i>	1
261	<i>Corvus splendens</i>	1
262	<i>Passer domesticus</i>	1
263	<i>Pycnonotuscafer bengalensis</i>	1
264	<i>Alcedo atthis bengalensis</i>	1
	<b>MAMMALIA</b>	
265	<i>Tachyglossus (Echidna) aculeatus</i>	1
266	<i>Petaurus volans</i>	1
267	<i>Talpa micrura</i>	1
268	<i>Erinaceus europaeus</i>	1
269	<i>Hemiechinusauritus</i>	1
270	<i>Suncus murinus</i>	1
271	<i>Hystrix indica</i>	1
272	<i>Cavia porcellus</i>	1
273	<i>Rattus rattus</i>	1
274	<i>Petauristapetaurista</i>	1
275	<i>Funmbulus palmarum</i>	1
276	<i>Bandicota bengalensis</i>	1
277	<i>Rattus norvegicus</i>	1
278	<i>Pteropus giganteus</i>	1
279	<i>Rhinolophus luctus</i>	1
280	<i>Manis crassicaudata</i>	1
281	<i>Lemur catta</i>	1
	<b>EMBRYOLOGY</b>	
282	Gastrula stage. <i>Asterias</i> sp.	1
283	<i>Branchiostoma</i> sp.	1
284	<i>Rana</i> sp.	1
	<b>HISTOLOGY</b>	

285	Mammalian skin. Vertical section	1
286	Smooth (Involuntary) muscle	1
287	Skeletal (Voluntary) muscle	1
288	Cardiac muscle	1
289	Mammalian oesophagus. T. S.	1
290	Mammalian stomach. T. S., L. S.	1
291	Mammalian small intestine. T. S., L. S.	1
292	Mammalian liver	1
293	Mammalian pancreas	1
294	Artery T. S.	1
295	Vein T. S.	1
296	Lung T. S.	1
297	Mammalian spleen T. S.	1
298	Mammalian kidney. Sagittal section	1
299	Mammalian thyroid gland. T. S.	1
300	Mammalian adrenal gland T. S.	1
301	Mammalian testis T. S.	1
302	Mammalian ovary T. S.	1
303	Long bone. T. S.	1

### INSTRUMENTS

#### NAME OF ITEMS

1	Cilika TF200 Biological Binocular Microscope with Digital Camera	1
2	Medivizon Rotary Microtome	1
3	24 Egg Incubator Automatic Turning Temperature Control Egg	1
4	Thermistor (Digital)	1
5	Thermometer (Celsius)	1
6	Plankton net	1
7	Soil Thermometer	1
8	Insect trap	1
9	Tulger funnel	1
10	PH meter digital	1
11	PH Papers	1
12	Haemocytometer (2)	1
13	Haemoglobinometer (2)	1
14	Centrifuge Digital	1
15	Play 4K 2024-P3 1280x1080P 2K LCD LED 180 Rotation Portable Projector with Android 11, WiFi 6 & Bluetooth, 2 4G+5G Ultra Fast Wireless Connection, 4500 Lumens, 2.69" LCD Panel with Projector	1

#### Department of Botany

Sl. No.	Particular of Items with Specs	Quantity
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1	<p><b>BINOCULAR MICROSCOPE</b></p> <p>Microscope Inclined at 45°, Inter pupillary Distance 55-75mm,360° Rotate blend Dioptic adjustment. Anti fungus Treated Stand:Sturdy stand with anti-rust materials an Ergonomic carrying grip enables easy transportation.</p> <p>Eyepiece:Wide Field eyepiece WF 10x/16 mm (paired), Nosepiece:Quadruple Nosepiece (Ball bearing Type with click stops and rubber ring)</p> <p>Objective:Achromatic objectives 4x/ NA 0.10, 10x/ NA 0.25, 40x/ NA 0.65 (SL), 100x/ NA 1.25 (SL, Oil), Mechanical Stage:Graduated mechanical stage 140 mm x 120 mm, moving area 80 mm (x), x 50 mm (y) with co-axial controls, Focusing:Ergonomic designed Co-axial Coarse and Fine focusing system on ball drive for smooth operation with tension control ring</p> <p>Condenser:Abbe Condenser N.A=1.25 with Iris Diaphragm and swing out Filter Holder, Moving Up and Down, Illumination System:Built-in bright white LED, brightness adjustable with intensity control regulator</p> <p>Electronics, Power input 220V AC, 50H</p>	1 No.
2	<p><b>STEREODISSECTING MICROSCOPE</b></p>	1 No.
3	<p><b>SIMPLE MICROSCOPE (MONOCULAR)</b></p> <p>Monocular compound light microscope with lamp facility (4x, 10x,40x,100x)</p>	2 Nos.
4	<p><b>BOD INCUBATOR</b></p> <p>Capacity: 6.1 cu. Ft. (171 ltrs.)</p> <p>Size (W X D X H): 505 x 415 x 830 mm</p> <p>Temp. Range: 5°C to 50°C; Temp. Accuracy: ±0.5°C; Uniformity: ±1°</p> <p>Power Supply: Refrigeration 210-240V/50 Hz.</p> <p>Shelves: 3 nos. of removable perforated shelves; Inner air circulation system is to achieve uniform temperature</p> <p>Double walled construction: Inner wall must be stainless steel, Double wall door-magnetic gasket, lock and key arrangement. Inner door transparent, sheet for in section of material in the chamber without disturbing the temp. Heating arrangement within the chamber for higher temperature working. A control panel with various indicators, on-off switch, supplied with cord and plug etc. Temperature control-microprocessor based digital temperature.CFC free Copeland compressor, Door alarm: High low temp. Alarm</p>	1 No.
5	<p><b>MICROPROCESSOR BASED PH METER</b></p> <p>PC based Microprocessor Based, Display: 16 x 2 Alphanumeric, Range: 0 to 14 pH, 0 to 1000mV, Resolution: 0.01 pH, 0.1 mV, Accuracy: ± 4%, Temperature Compensation: Manual, Calibration: 3 Point, Dimension: 275 x 187 x 94 mm (Approx), Power: 220 V ± 10 v AC, Accessories: pH Electrode, Electrode Stand, 3 Buffers and Operating Manual</p>	1 No.
6	<p><b>WATER&amp;SOIL ANALAYSIS KIT</b></p> <p>3½ Digital LCD Display Covering (7 Parameters): PhConductivity, TDS, Salinity, Turbidity DO &amp; Temp WithRechargeable Battery Cum Mains Operated, Complete WithAccessories, Fitted In Briefcase.</p>	1 No.

7	Centrifuge Machine >6000rpm [(remi) without brush]	1 No.
8	Gel Electrophoresis Power unit	1 No.
9	Digital weighing balance (wenser (0.0001mg))	1 No.
10	Micropipette (up to 200microlitre) with tips of micropipette (100pkts)	1 No.
	<b>CHARTS</b>	
11	<b>Life cycle</b> Riccia, Marchantia, Anthoceros, Selaginella, Pteris, Cycas, Pinus, Gnetum, Oedogonium, Chara, Vaucheria, Ectocarpus, Fucus, Polysiphonia, Diatom, Rhizopus, Aspergillus, Penicillium, Puccinia, Agaricus.	1 Piece From Each
12	<b>Anatomy</b> Dicot and Monocot stem, root and leaves,	1 Piece from Each
13	<b>Family</b> Apocynaceae, Rosaceae, Rubiaceae, Liliaceae, Poaceae, Orchidaceae	1 Piece from Each
14	<b>PLANTS SPECIMEN</b> 1. Selaginella Stem, Selaginella Strobillus 2. Equisetum stem, Equisetum cone 3. Riccia Thallus, Marchantia Thallus, Anthoceros Thallus 4. Gnetum Stem, Gnetum Female Cone 5. Albugo, Saccharomyces 6. Chlamydomonas, Diatom, Oedogonium, Vaucheria, Fucus, Cleochaete	1 Bottle from Each
15	<b>PERMANENT SLIDES</b> (1 slide each from below) 1. Psilotum synangium, Equisetum strobilus V.S, Pteris Prothallus with sex organ W.M, Fern Sorus with induecium V.S. 2. Marchantia Anthrediphore L.S, Marchantia Archegoniophore L.S, Marchantia Thallus V.S, Anthoceros Sporophyte V.S, Riccia thallus v.s, Riccia sporophyte L.S. 3. Gnetum ovule v.s, Gnetum male cone, Gnetum stem T.S. 4. Oedogonium dwarfmale L.S, Vaucheria Vegetative, Vaucheria Zoosporangium, Ectocarpus Unilocular, Ectocarpus Plurilocular, Fucus Receptacle, Fucus Thallus T.S, Polysiphonia cystocarp, Polysiphonia Trichoblast, Diatom 5. Albugo, Penicillium, Saccharomyces 6. Embryo sac, Development of dicot embryo, Anatroplus ovule, Orthoropus ovule, Amphitropus ovule, Campylotropus ovule, Circinotropus ovule	1 Piece from Each
16	<b>FOSSIL SLIDES</b> 1. Rhynia sporophyte 2. Williammsonia Habit 3. Cycadeoidea Flower	1 Piece from Each
	<b>GLASS &amp; PLASTIC WARE</b>	
17	Herbarium Press (Wooden Make)	1 No.
18	Cork borer (Steel)	1 Set
19	Split cork	4 Nos.
20	Pipette (10ml, 5ml, 20ml)	1 No. Each
21	Staining disc	6 Nos.
22	Dropping bottle (30ml)	12 Nos.



23	Wash bottle (250ml)	12 Nos.
24	Funnel (75ml)	6 Nos.
25	Filter paper	2 Packet
26	Test tube stand (plastic)	12 Nos.
27	Volumetric flask (Borosil Make)	12 Nos.
28	Flat bottomed flask(250ml) (Borosil Make)	12 Nos.
29	Chromatography column	4 Nos.
30	Dropper (glass)	2 Nos.

## **ANNEXURE-II**

### **SUPPLY & INSTALLATION OF CUPBOARD DOORS OF ALL LABS & GAS**

#### **PIPE LINE FOR CHEMISTRY LAB.**

**Department of Physics, Chemistry, Botany & Zoology**

Sl. No.	Particulars of Items with Specs	Quantity
<b>SUPPLY &amp; INSTALLATION</b>		

1	<p><b>CUP BOARD DOORS</b>  <b>1MM or 1.4MM Powder Coated Aluminium Hinged Doors with 4MM clear St. Gobain Glass fitted with standard quality Hinges, Magnets &amp; Locks.</b>  <b>(32 Nos. of Doors of Average Size 75"X45" each, Lower 40" shall be fitted with 2MM Aluminium Sheet &amp; rest portion shall be fitted with 4MM Glass)</b></p> <p><b>Aluminium Frame &amp; Sheets preferably be of Jindal Make</b></p>	<b>750 Sq.Ft</b>
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**Department of Chemistry**

**SUPPLY & INSTALLATION**

1	<p><b>GAS PIPE LINE ASSEMBLY</b>  <b>L. P. Gas line with cylinder for 24 burner points, work with demonstration special work (Simless pipe ½'), Welding point, good quality instrument.</b>  <u>Specification</u>  <b>LP Gas line Made of ½" TATA ISI 1239 pipe with welding and fittings of required LPG spares and outlet points point with 2 Cylinder Bank with non-return valve, Heavy type gas Burner with needle valve &amp; flexible rubber tube.</b>  <b>Total point: 24</b>  <b>Total length: 21 foot (Two side)</b></p>	1 Complete Assembly
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**ANNEXURE-III**

**INFORMATION ABOUT THE BIDDER**

Sl. No.	Particulars	Input from the Bidder
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1	Name of the Person/Firm/Company (If a Company the CIN (Corporate Identification Number) need to be mentioned).	
2	Registered Office Address & Complete Postal Address for communication.	
3	Telephone and/or Mobile Number with email.id	
4	Name of the Authorized Signatory	
5	Contact Number of Authorized Signatory	
6	Experience in Business (In Years) with date of establishment of Business.	
7	GST Registration Number	
8	TAN (Tax Deduction & Collection Account Number) if any.	
8	Details of EMD being Submitted. (DD No., and Bank Details)	

Date:

Place:

Signature & Seal of the Bidder

**ANNEXURE-IV**

**SELF-DECLARATION FORM**

The Principal,  
 Begunia College, Begunia,  
 Khordha – 752062, Odisha.

Ref: Tender No.BDC/ISL/01/2024

Madam,

I/We \_\_\_\_\_ (in case of Firm/Company) represented through Managing Partner/ Managing \_\_\_\_\_ Director, Mr./Ms. \_\_\_\_\_ do hereby confirm that I/my/our/ Firm/Company have not been banned or blacklisted by Central Govt./ any State Govt./ Govt. Organizations/ Financial Institutions/ Public sector Units/ Any Court in the Country for Supply of any Goods or Rendering of any Service. In the event it is found that we have misrepresented before you to get successful in the bidding and awarded with the Contract(s), our/my bid may be rejected and we/I may be subjected to legal consequences as per Law of the Land.

Signature with Seal of the Bidder

Date:

Name:

Place:

Designation: