

**DEPARTMENT OF ZOOLOGY,**

**GURU GHASIDAS VISHWAVIDYALA, KONI, BILASPUR (C.G.) 495009**

(A CENTRAL University established under the central universities act, 2009, No. 25 of 2009)

Ph.+91-9406296914

Web: [www.ggu.ac.in](http://www.ggu.ac.in)

E-mail: santoshbhu@gmail.com

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**LIMITED TENDER ENQUIRY (Under GFR 151 of 2005)**

**Subject:- Limited tender enquiry for the supply of Equipments /Instruments/ Chemicals/glass & plastic wares for Research Project in the Department of Zoology.**

Sealed quotations are invited from the registered manufacturers/ suppliers in the University. The competitive rates for the supply and installation of instruments/ equipments/ Chemicals/glass & plastic wares with the desired specifications as mentioned ahead Bidder must carefully peruse the general terms and conditions for the supply of them.

The sealed quotations with specifications and offer price should reach to Dr. Santosh Singh, P.I. of the Project, Department of Zoology, Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur-495009 within 10 days from the publication of LTE on University's website through speed /registered post/courier only.

S.No	Article name	Description/Specification of the article	Quantity
1.	<b>Data acquisition System</b>	<b>Processor:</b> Intel Core i7-6500U; Intel® HD Graphics 520 (2.5 GHz, up to 3.1 GHz, 4 MB cache, 2 cores) <b>Memory:</b> 16 GB DDR3L-1600 SDRAM (2 x 8 GB); <b>Hard drive:</b> 2 TB 5400 rpm SATA, <b>Operating System;</b> <b>OS:</b> Windows: 10 home 64, <b>Display:</b> 15.6" diagonal FHD anti-glare WLED backlit (1920 x 1080), <b>Graphics:</b> NVIDIA GeForce 940M (4 GB DDR3L dedicated), <b>integrated 10/100 BASE-T Ethernet LAN, 802.11b/g/n (1x1) and Bluetooth® 4.0 combo (Miracast compatible), Battery:</b> 4-cell, 41 Wh Li-ion.	01

2	<b>Refrigerator</b>	<ul style="list-style-type: none"> <li>• Door Type: Double Door</li> <li>• Star Rating: 4 Star</li> <li>• Freezer Type: Top Freezer</li> <li>• Actual Capacity: 321ltr or above</li> </ul>	01
3.	<b>Chemicals</b>	See Annexure I	
4.	<b>Plastic wares</b>	See Annexure II	
5.	<b>Glass wares</b>	See Annexure III	
6.	<b>Micropipettes</b>	See Annexure IV	

**Annexure - I**  
**Chemicals**

<b><u>S.No</u></b>	<b><u>Chemical Name</u></b>	<b><u>Company</u></b>	<b><u>Quantity</u></b>
1	Acrylamide	SRL/Merck/Thermo Fisher/Sigma	500gm
2	Ammonium Acetate	SRL/Merck/Thermo Fisher/Sigma	500gm
3	Agarose	SRL/Merck/Thermo Fisher/Sigma	100gm
4	Benzamidine Hydrochloride Hydrate	SRL/Merck/Thermo Fisher/Sigma	25gm
5	Bromophenol Blue	SRL/Merck/Thermo Fisher/Sigma	25gm
6	BSA	SRL/Merck/Thermo Fisher/Sigma	5gm
7	2-Mercaptoethanol	SRL/Merck/Thermo Fisher/Sigma	100ml
8	1- Butanol AR	SRL/Merck/Thermo Fisher/Sigma	500ml
9	Comassive brilliant blue	SRL/Merck/Thermo Fisher/Sigma	5gm
10	Dextrose Extra Pure	SRL/Merck/Thermo Fisher/Sigma	500g
11	DTNB	SRL/Merck/Thermo Fisher/Sigma	1gm
12	DTT	SRL/Merck/Thermo Fisher/Sigma	5gm
13	EDTA (free acid.)	SRL/Merck/Thermo Fisher/Sigma	500gm
14	Eosin yellow	SRL/Merck/Thermo Fisher/Sigma	500g
15	Ferric chloride(anhy.)	SRL/Merck/Thermo Fisher/Sigma	500gm
16	Folin and Ciocalteus phenol reagent	SRL/Merck/Thermo Fisher/Sigma	250ml
17	Glycerol (molecular biology)	SRL/Merck/Thermo Fisher/Sigma	500ml
18	Glycine	SRL/Merck/Thermo Fisher/Sigma	500mg
19	GSSG	SRL/Merck/Thermo Fisher/Sigma	1g

20	GSH	SRL/Merck/Thermo Fisher/Sigma	25G
21	Hematoxylin	SRL/Merck/Thermo Fisher/Sigma	125ml
22	$\alpha$ -Ketoglutaric Acid	SRL/Merck/Thermo Fisher/Sigma	100g
23	L-Arginine	SRL/Merck/Thermo Fisher/Sigma	100gm
24	L-glutamate dehydrogenase	SRL/Merck/Thermo Fisher/Sigma	100mg
25	L-LDH	SRL/Merck/Thermo Fisher/Sigma	5000 units
26	Methanol	SRL/Merck/Thermo Fisher/Sigma	500ml
27	NBT	SRL/Merck/Thermo Fisher/Sigma	250mg
28	N,N-methylene bis acrylamide	SRL/Merck/Thermo Fisher/Sigma	250gm
29	Na <sub>2</sub> CO <sub>3</sub>	SRL/Merck/Thermo Fisher/Sigma	500gm
30	NADH disodium salt	SRL/Merck/Thermo Fisher/Sigma	100mg
31	N-Naphyletylnediamine	SRL/Merck/Thermo Fisher/Sigma	5gm
32	NaCl	SRL/Merck/Thermo Fisher/Sigma	500gm
33	NADPH(tetra s s)	SRL/Merck/Thermo Fisher/Sigma	100mg
34	NAD	SRL/Merck/Thermo Fisher/Sigma	1g
35	Na-K-tartrate (tetra hydrate)	SRL/Merck/Thermo Fisher/Sigma	500gm
36	Beta-NADPH Monosodium	SRL/Merck/Thermo Fisher/Sigma	100mg
37	NaOH pellets	SRL/Merck/Thermo Fisher/Sigma	500gm
38	Nitroblue tetrazolium chloride (NBT)	SRL/Merck/Thermo Fisher/Sigma	250mg
39	Phosphoric acid	SRL/Merck/Thermo Fisher/Sigma	500ml
40	10X Phosphate Buffered Saline	SRL/Merck/Thermo Fisher/Sigma	500ml
41	PMSF)	SRL/Merck/Thermo Fisher/Sigma	5gm
42	Potassium phosphate monobasic	SRL/Merck/Thermo Fisher/Sigma	500gm
43	Potassium Ferricyanide	SRL/Merck/Thermo Fisher/Sigma	500g
44	KCl	SRL/Merck/Thermo Fisher/Sigma	500gm
45	Phenazonium Methosulphate	SRL/Merck/Thermo Fisher/Sigma	5gm
46	Riboflavin	SRL/Merck/Thermo Fisher/Sigma	25 gm
47	SDS	SRL/Merck/Thermo Fisher/Sigma	100g
48	Sulphanilamide	SRL/Merck/Thermo Fisher/Sigma	100mg
49	Sucrose	SRL/Merck/Thermo Fisher/Sigma	500gm
50	TEMED	SRL/Merck/Thermo Fisher/Sigma	500ml
51	Tris HCl	SRL/Merck/Thermo Fisher/Sigma	500g
52	Triton X-100	SRL/Merck/Thermo Fisher/Sigma	500ml
53	TAA	SRL/Merck/Thermo Fisher/Sigma	100gm
54	Dipotassium Hydrogen Orthophosphate	SRL/Merck/Thermo Fisher/Sigma	500gm
55	Potassium Dihydrogen Orthophospate	SRL/Merck/Thermo Fisher/Sigma	500gm
56	DiSodium Hydrogen Orthophosphate	SRL/Merck/Thermo Fisher/Sigma	500gm
57	Sodium Dihydrogen Orthophospate	SRL/Merck/Thermo Fisher/Sigma	250gm
58	N,N'-Methylene Bisacrylamide	SRL/Merck/Thermo Fisher/Sigma	100gm

59	ZnSO4	SRL/Merck/Thermo Fisher/Sigma	500gm
60	ADP disodium salt	SRL/Merck/Thermo Fisher/Sigma	1gm
61	CuSO4 (anhy.)	SRL/Merck/Thermo Fisher/Sigma	500gm
62	DNPH	SRL/Merck/Thermo Fisher/Sigma	25gm
63	FAD disodium salt	SRL/Merck/Thermo Fisher/Sigma	250mg
64	G6p disodium salt	SRL/Merck/Thermo Fisher/Sigma	1gm
65	HCl 30%	SRL/Merck/Thermo Fisher/Sigma	500ml
66	Eosin 2% (w/v)	SRL/Merck/Thermo Fisher/Sigma	125ml
67	KHCO3	SRL/Merck/Thermo Fisher/Sigma	500gm
68	KNO3	SRL/Merck/Thermo Fisher/Sigma	500gm
69	MgCl2 (anhy)	SRL/Merck/Thermo Fisher/Sigma	100gm
70	NADP (dss)	SRL/Merck/Thermo Fisher/Sigma	100mg
71	NaNO2	SRL/Merck/Thermo Fisher/Sigma	500gm
72	Parformaldehyde	SRL/Merck/Thermo Fisher/Sigma	500gm
73	Sodium azide	SRL/Merck/Thermo Fisher/Sigma	100gm
74	Heprain Sodium Salt	SRL/Merck/Thermo Fisher/Sigma	1vl
75	Wash Bottle	SRL/Merck/Thermo Fisher/Sigma	10No
76	Glass Slide	SRL/Merck/Thermo Fisher/Sigma	10x50No
77	Cover Glass	SRL/Merck/Thermo Fisher/Sigma	10x100Nos
78	Wash Bottle	SRL/Merck/Thermo Fisher/Sigma	10 Nos
79	Hydrochloric Acid	SRL/Merck/Thermo Fisher/Sigma	500ml
80	Sodium Pyrophosphate	SRL/Merck/Thermo Fisher/Sigma	500gm
81	Antibody-Monoclonal Anti-beta actin	NA	500ul
82	anti-nNOS	NA	500ul
83	anti-iNOS	NA	500ul
84	ant-eNOS	NA	500ul

**Annexure - II**  
**Plastic wares**

<b><u>S.No</u></b>	<b><u>Items Name</u></b>	<b><u>Company</u></b>	<b><u>Quantity</u></b>
1	Narrow Mouth Bottle 250ml	Abdos/Himedia/Thermo Fisher	1 Case
2	Measuring Cylinder 250ml	Abdos/Himedia/Thermo Fisher	1 Case
3	Beaker 500ml	Abdos/Himedia/Thermo Fisher	1 Case
4	Test Tube Stand	Abdos/Himedia/Thermo Fisher	1 Case
5	Microtip Box	Abdos/Himedia/Thermo Fisher	1 Case
6	Microtip 2-200ul	Abdos/Himedia/Thermo Fisher	3 Case
7	Microtip 200-1000ul	Abdos/Himedia/Thermo Fisher	3 Case

8	Meicrocentrifuge Tube 1.5ml	Abdos/Himedia/Thermo Fisher	4 Case
9	Centrifuge Tube 50ml	Abdos/Himedia/Thermo Fisher	2 Case
10	Rake for Microcentrifuge Tube	Abdos/Himedia/Thermo Fisher	1 Case
11	Slide Box	Abdos/Himedia/Thermo Fisher	1 Case
12	Nitrile Glove	Abdos/Himedia/Thermo Fisher	2 Case
13	Carboy with stopcock	Abdos/Himedia/Thermo Fisher	1 Nos
14	Coplin Jar	Abdos/Himedia/Thermo Fisher	1 Case
15	Polyproplene Cage for Rats	NA	10 Nos
16	Dropping Bottle PP for Rats	NA	10 Nos

**Annexure - III**  
**Glasswares**

<b>Sno.</b>	<b>Products Name</b>	<b>Capacity</b>	<b>Make</b>	<b>Qty</b>
1	Pipettes	10ml	Asgi/Borosil/Thermo Fisher	10
2	Measuring Cylinders	50ml	Asgi/Borosil/Thermo Fisher	10
3	Measuring Cylinders	100ml	Asgi/Borosil/Thermo Fisher	10
4	Measuring Cylinders	250ml	Asgi/Borosil/Thermo Fisher	10
5	Measuring Cylinders	500ml	Asgi/Borosil/Thermo Fisher	10
6	Measuring Cylinders	1000ml	Asgi/Borosil/Thermo Fisher	5
7	Volumetric Flask	50ml	Asgi/Borosil/Thermo Fisher	10
8	Volumetric Flask	100ml	Asgi/Borosil/Thermo Fisher	10
9	Volumetric Flask	250ml	Asgi/Borosil/Thermo Fisher	10
10	Volumetric Flask	500ml	Asgi/Borosil/Thermo Fisher	5
11	Test Tube	10ml	Asgi/Borosil/Thermo Fisher	100
12	Test Tube	15ml	Asgi/Borosil/Thermo Fisher	100
13	Reagent Bottle	100ml	Asgi/Borosil/Thermo Fisher	10
14	Reagent Bottle	250ml	Asgi/Borosil/Thermo	10

			Fisher	
15	Reagent Bottle	500ml	Asgi/Borosil/Thermo Fisher	10
16	Reagent Bottle	1000ml	Asgi/Borosil/Thermo Fisher	10
17	Conical Flasks	25ml	Asgi/Borosil/Thermo Fisher	10
18	Conical Flasks	50ml	Asgi/Borosil/Thermo Fisher	10
19	Conical Flasks	100ml	Asgi/Borosil/Thermo Fisher	10
20	Conical Flasks	250ml	Asgi/Borosil/Thermo Fisher	10
21	Conical Flasks	500ml	Asgi/Borosil/Thermo Fisher	10
22	Conical Flasks	1000ml	Asgi/Borosil/Thermo Fisher	10
23	Beaker	50ml	Asgi/Borosil/Thermo Fisher	10
24	Beaker	100ml	Asgi/Borosil/Thermo Fisher	10
25	Beaker	250ml	Asgi/Borosil/Thermo Fisher	10
26	Beaker	500ml	Asgi/Borosil/Thermo Fisher	10
27	Beaker	1000ml	Asgi/Borosil/Thermo Fisher	10
28	Petri Dishes	60x17mm	Asgi/Borosil/Thermo Fisher	10
29	Aspirator Bottles	2Ltr	Asgi/Borosil/Thermo Fisher	1

**Annexure - IV**  
**Micropipettes**

<b><u>S.No</u></b>	<b><u>Items Name</u></b>	<b><u>Company</u></b>	<b><u>Quantity</u></b>
1	Micropipete F2 Variable Volume 1-10 $\mu$ l	Thermo Fisher/Eppendorf	1 Nos
2	Micropipete F2 Variable Volume 5-50 $\mu$ l	Thermo Fisher/Eppendorf	1 Nos
3	Micropipete F2 Variable Volume 20-200 $\mu$ l	Thermo Fisher/Eppendorf	1 Nos
4	Micropipete F2 Variable Volume 100-1000 $\mu$ l	Thermo Fisher/Eppendorf	1 Nos

**LIMITED TENDER ENQUIRY**  
**GENERAL TERMS AND CONDITIONS OF THE SUPPLY**

- 1.** The sealed quotation be superscripted with "**Quotation for supply of Equipments/ Chemicals/glass & plastic wares under Research Project**".
- 2. Quantity:** The quantities mentioned are indicative and may be altered at the time of placing the purchase order.
- 3. Product Leaflet/ Handbook:** Duly certified copy of the Technical brochure/leaflet etc. of the quoted equipment/ instrument must be submitted along with the quotation, by the bidder.
- 4. Authorization Certificate:** It is desired that the bidder submits, self attested authorization certificate from the principal manufacturer, for which the rate has been quoted.
- 5. Discount, if any:** special concession/discount (if any) applicable for educational institutions, if any, must be clearly mentioned in the price bid.
- 6. Excise duty exemption:** the University is exempted from Custom/Excise Duty by DSIR, Govt. of India vide letter no. TU/V/RG-CDE (710)/2010 dated 19-1-11. The exemption certificate of the same shall be issued by the University on demand, at the time of supply. Bidder must clearly mention if any basic custom duty/ excise duty etc. is chargeable, in spite of the GGV is exempted by DSIR certificate.
- 7.** If the item is under DGS&D rate contract, the quoted price should not be more than the DGS&D rate
- 8. FOR GGV:** The rate should be quoted on F.O.R University campus, Koni, Bilaspur basis. No packing/ forwarding, unloading, transit insurance charges will be paid extra to the bidder by GGV. All extra charges have to be borne by the supplier/bidder only.
- 9. No Installation charges:** The Equipment/ Instrument must be delivered, installed and demonstrated without any extra charges from the GGV.
- 10. Validity of the offered Rate:** The quoted rate should be valid for a minimum period of 90 days from the last date of receipt of the tender, as notified.
- 11. Delivery period:** The Equipment/ Instrument, ordered will have to be delivered and installed in the Department at GGV, within 60 days from the issue of the Purchase Order.
- 12. Liquidated Damages (LD):** Any delay in supplying the ordered equipment/instrument from the stipulated date of delivery will attract LD, which will be applicable at the rate of 0.5% per week and limited to 10% maximum. The authority reserves the right to cancel the purchase order when LD accumulates to 10%.
- 13. Warranty:** At least one year comprehensive on-site warranty shall be applicable to the supplied equipment/instrument for all manufacturing defects from the date of satisfactory installation, commissioning, demonstration by the supplier and acceptance by GGV.
- 14. Performance security:** The successful bidder must submit performance security of 5 % of the ordered value, on the goods/services supplied irrespective of the origin, within fifteen days of issue of purchase order in form of Demand Draft/TDR/Bank guarantee from any nationalized bank. Otherwise, the same amount will be deducted from the billed amount. On satisfactory

completion of the warranty period of 01 year (12 months) or more period as offered by the bidder, Performance Security will be released without any interest on demand.

**15. Payment:** Bidder should not ask for advance or part payment prior to supply and successful installation. Payment to the firm shall be made, only after the supply in good condition, installation and demonstration of the equipment/instrument at GGV.

**16. CST/VAT etc:** CST/VAT/OCTROI/ basic custom duty etc. must be clearly mentioned along with the quoted offer, weather to be paid extra or not. GGV shall pay the same as per prevailing government rules, if mentioned in the price bid. No taxes shall be paid if not mentioned in the bid and any correspondence in this regard shall be not entertained after the price bids are opened.

**17. Unsealed quotations:** Quotation must be sealed properly. Unsealed envelopes/ offers are liable to be rejected by GGV.

**18. Offer after due date:** GGV shall not be responsible for late postal delivery and any offer received after the due date shall be summarily rejected by GGV. You Sealed offer must reach on or before the scheduled due date only by the speed/registered post.

**19.** GGV has all the rights reserved to accept / reject any /all the quotation(s) and not to procure any/all the equipments/instruments, without assigning any reason(s) thereof.

**20.** The bidder should check the university website [www.ggu.ac.in](http://www.ggu.ac.in) on a regular basis for any updates.

**PI of the project**  
**(Dr. Santosh Singh)**  
Department of Zoology,  
School of Life Sciences  
GGV, Bilaspur