गुरू घासीदास विश्वविद्यालय, बिलासपुर (छ0ग0)
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)
(A Central University)
Phone 07752-260209, 260381, Web site www.ggu.ac.in
Website: www.ggu.ac.in Phone: 07752- 260381 FAX: 07752-260154, 260148

E-Tender

Purchase of instruments under SERB-DST project (File No: EMR/2017/003885)

Guru Ghasidas Vishwavidyalaya, invites "E-Tender" from the reputed firms to purchase instruments **under SERB-DST project (File No: EMR/2017/003885 to Dr. Rohit Seth, Department of Zoology.** Details & formats regarding the tender may be downloaded from the websites:- www.ggu.ac.in or www.eprocure.gov.in. The soft copies of the duly filled in tender format, scanned copy of signed tender and relevant documents, DD of tender cost and EMD shall be uploaded on the website www.eprocure.gov.in. However, sealed envelope containing tender cost Rs. 2,000/- (Non refundable) and EMD Rs. 1,00,000/- addressed to should reach to the Assistant Registrar (store), Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur-495009 up to 3.30 pm on or before 24/06/2019. The tender shall be opened on 25/06/2019 at 4.00 pm. The University is not responsible for any delay in receiving the documents in hard/soft copies. GGV reserves all the right to accept/reject any or all tender without assigning any reason in favour of university.

Seal and Signature of Tenderer

Guru Ghasidas Vishwavidyalaya,
(A central University)
Koni, Bilaspur, 495009 (C.G.) India
Website: www.ggu.ac.in Phone: 07752-, 260381, 9433378801 FAX: 07752-260154, 260148

Ref. No. 37/ SERB-Zoology/ Instruments /GGV/2019 Bilaspur, Date: 24-05-2019

E-Tender

For instruments approved under SERB-DST project (File No: EMR/2017/003885 to Dr. Rohit Seth, Department of Zoology, GGV, Bilaspur.

Guru Ghasidas Vishwavidyalaya, Bilaspur (A Central University) invites E-tender/Expression of Interest cum tender from reputed Original Instruments Manufacturing Companies or their authorized partners/agents/distributors to supply following instruments: a) Stereotaxic apparatus; b) Refrigerated Tabletop Centrifuge ; c). Protein Semi Dry Blotter; d). pH meter ; e). Water Purification System ; f). Cryo containers ; g). Wax Oven ; h). Microscope equipped with fluorescence and cooled CCD Camera ; i). Microbalance ; j).Slide staining apparatus ; k). Protein Electrophoresis System ; l). Shaker ; m). Rocker and n).Vortex mixer **under SERB-DST project (File No: EMR/2017/003885 to Dr. Rohit Seth, Department of Zoology, GGV**, for supply, installation & commissioning.

1. Submission and Opening of Tenders:-

Important:

1.1 The tender document can be downloaded from the websites www.ggu.ac.in or www.eprocure.gov.in. "Corrigendum, if any, would appear only on the above web sites and not be published anywhere else".

1.2 Tender must be duly signed by an authorized signatory, of the tendering firm.

1.3 Mode of Submission of Tenders: Online (soft copy)

i. The tender document consisting of Specification of instruments and the set of terms and conditions for the supply of instruments to be complied with and other necessary documents can be seen and downloaded from websites www.ggu.ac.in or www.eprocure.gov.in

ii. Tenderer must be registered on the website www.eprocure.gov.in for uploading the soft copy of the tender.

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iii. The intending tenderer(s) must read the terms and conditions of this tender carefully. Only the tender if eligible and in possession of all the documents required should submit the tender.

iv. The intending tenderer(s) must have valid digital signature to submit the tender. Tenderer should upload documents in the form of PDF format or the format available on the website www.eprocure.gov.in

v. Tenderer must upload on the E-Tendering website **www.eprocure.gov.in** the scanned copy of demand draft for Tender Cost Rs. 2000 (Non-refundable) and demand draft of Earnest Money Deposit (EMD) Rs.1,00,000 in pdf format. All two files should be uploaded in one file named "Tender Cost EMD E-Tender Fee Name of Tenderer.pdf" within the period of tender submission.

vi. Tenderers must upload on the E-Tendering website www.eprocure.gov.in the scanned copy of the tender documents and other desired documents, Technical (in pdf format) and Financial Tenders (as per format available on the website www.eprocure.gov.in) within the period of tender submission.

vii. First pdf file titled "Technical Tender _Name of Tenderer must have all required documents related to Technical Tender.

viii. Second file (as per the format available on the website www.eprocure.gov.in) titled "Financial Tender_Name of Tenderer" must have the Financial Tender.

ix. The Technical tender file must contain the scanned copies of duly signed tender document, certified copies of documents related to Eligibility Criteria, all relevant information and relevant for evaluating the tenderer technically, Corrigendum / Addendum / Other documents, if any, etc. as per the attached annexure (except annexure –III i.e. financial bid/BoQ).

x. Only those technical tenders whose Tender cost and EMD are found valid will be opened.

xi. The tenderers are required to upload and submit page of (Audited) summarized Balance Sheet /summarized Profit & Loss Account for last 03 years (as given under Annexure I)

xii. Tenderer must ensure to quote rate in the Financial Tender as per Annexure-III i.e. finance bid format in prescribed BoQ in e-tender softcopy. The rate shall be quoted up to 2 Decimals.

xiii. In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0".Therefore, if any cell is left blank and no rate is quoted by the tenderer, rate of such item shall be treated as "0" (ZERO).

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xiv. Information and Instructions for tenderers posted on websites shall form part of tender document.

xv. The tenderers are advised to submit complete details with their tenders. The Technical Tender Evaluation will be done on the basis of documents uploaded on e-tendering web site(s) by the tenderers with the tenders. The information should be submitted in the prescribed proforma. Tenders with Incomplete/Ambiguous information may be rejected.

xvi. Online technical tender documents submitted by intending tenderers shall be opened only of those tenderers, whose Earnest Money Deposit (Rs. 1,00,000), Cost of Tender Document (Non-refundable: Rs. 2000) and other documents placed in the envelope are found in order.

xvii. Before the scheduled last date and time of submission of tender as notified, the tenderer can submit revised tender any number of times with clear note on the envelope.

xviii. On opening date, the tenderer can login and see the tender opening process. After opening of tenders they will receive the competitor tender sheets.

xix. The tenderer (s) if required, may submit queries, if any, through E-mail (Email of Assistant Registrar (Store): arstore@ggu.ac.in) to seek clarifications within 15 days from the date of uploading of Tender on website. Reply will be made for only those queries which are essentially required for submission of tenders. Queries received after 15 days from the date of uploading of Tender on website, extension of time for opening of technical tenders, etc. Technical Tenders are to be opened on the scheduled dates. Requests for extension of opening of Technical Tenders will not be entertained.

xx. It is mandatory that the original Demand Draft in favour of "Registrar, Guru Ghasidas Vishwavidyalaya" drawn on any scheduled bank payable at Bilaspur (CG) for the tender cost Rs. 2000 /- and EMD Rs. 1,00,000 /- must reach to the "Assistant Registrar (store), Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur-495009, India" on or before the scheduled last date of receiving the E-tender. The E-tender cell not be opened if the above demand draft are not received before the scheduled opening date of the tender.

xxi. The tenderer is required to quote the rate strictly as per the term and conditions, specifications, standards given in the tender documents and not to stipulate any deviations.

xxii. The quoted rate must be inclusive of all taxes including service tax/GST/etc.

xxiii. Notwithstanding anything stated above, GGV reserves the right to assess the capabilities and capacity of the tenderer to supply instruments in the overall interest of GGV.

xxiv. Financial tender of only technically qualified tenderers fulfilling the criteria laid down in this tender shall be opened subsequently. A tenderer may be called for presentation of the

instruments before opening of the financial tender. Relevant information in this regard can be seen in subsequent part of the tender.

1.4 Last date for receipt of tenders online and original copy of DDs for the tender cost and EMD to Assistant Registrar (store), Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur-495009 is **03:30 PM on 24/06/2019.**

1.5 The University is not responsible for non receipt of tenders within the specified date and time due to any reason including postal holidays or delays.

1.6 Date and Time of opening of the online E-tenders at **04:00 PM on 25/06/2019.** (Venue: Conference Hall in Administrative Block, GGV).

1.7 Any addition/deletion/modification of this tender made before the due date of the tender will be displayed in the university website www.ggu.ac.in or www.eprocure.gov.in only.

1.8 Please visit university website for any information/updates.

2. Evaluation of the Tender:

For evaluation of Technical tenders, assessment towards eligibility criteria and other information as per Technical Tender of the tenderer shall be conducted. Those tenderers who are found technically qualified shall be considered for Financial Tender opening.

3. **Offer validity period:** The offer should hold good for a period of 120 days from the closing date of the tender. Any offer falling short of the validity period is liable for rejection.

4. The tenders will be opened on due date and time indicated in the tender. If the date of opening is declared holiday the tenders will be opened on next working day.

5. For imported goods, the payment will be made through Letter of Credit. No advance payment will be made. Payment will be made after the receipt, inspection and installation/ testing of the goods.

6. Al least two details of reputed organization (preferably Govt.) where the vendor has executed/running similar type of instruments are to be supplied.

7. **Performance Guarantee:** Performance Security for an amount of 5% of the order value may be furnished in the form of an Account payee Demand Draft, Fixed Deposit Receipt from a Commercial bank or Bank Guarantee from a Commercial bank in an acceptable form by the successful tenderer. Performance Guarantee is to be furnished within 21 days after notification of the award and it should remain valid for a period of 60 days beyond the date of completion of all contractual obligations of the vendor, including warranty obligations.

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8. Maximum educational discount for University as could be offered should also be mentioned. The University is **exempted from payment of custom etc.** on Scientific and technical equipment/instruments by DSIR, Govt. of India. Necessary certificate will be issued on demand.
9. University reserves the right to carry out a technical inspection and performance evaluation (benchmarking) of the offers made by shortlisted vendors. The shortlisted vendors may be asked to come and give out presentation / demonstration.
10. Unit price of each product and accessories should be quoted separately as per the financial bid (BoQ) Annexure-III in E-tender format.
11. The specifications and quantity indicated in the scheduled I. University reserve the right to increase or decrease the quantity or delete some or all of items depending on the needs of the university without assigning any reasons.
12. The Cost of the equipment should be inclusive of all taxes and statutory levies. Labour / installation charges, packing, transporting, forwarding, transit insurance, loading, unloading, commissioning, demonstration (at Dept. of Zoology, GGV), freight etc. However, the tenderer may submit the details of the rates included in a separate sheet.
13. For imported goods price to be quoted "FOR Guru Ghasidas University Campus, Bilaspur (CG)". The tenderer has to arrange for clearance of the supplied goods from Indian ports through their own agents.
14. Custom Clearing: After arrival of the goods at Airport/Seaport, Indian agent or Indian subsidiary of the principal firm is solely responsible for getting the material clearance from customs. University will provide all custom documents for custom clearance on the demand of agent. Transportation from airport to Guru Ghasidas University, Bilaspur campus is also the responsibility of authorized agent. All charges/ expenses incurred in this process will be reimbursed to firm after submitting the bill along with documentary proof in original. Please note that the freight forwarder or clearing agent should be approved from IATA. NO DEMURRAGE / WHARFAGE CHARGES WILL BE PAYBALE BY THE UNIVERSITY
15. UNDER ANY CIRCUMSTANCES. NO ADVANCE PAYMENT WILL BE PAYABLE FOR CUSTOM CLERANCE/ FREIGHT / INSURANCE ETC.
16. The vendor should adhere with all seriousness to the time schedule provided by the University. The Liquidated Damage will be applicable at the rate of 0.5% per week. The purchaser has the right to cancel the purchase order when LD accumulates to 10 %.

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17. **No commitment to accept lowest or any tender**: University shall be under no obligation to accept the lowest or any other offer received in response to this tender notice and shall be entitled to reject any or all offers including those received late or incomplete offers without assigning any reason what so ever. University reserves the right to make any changes in the terms and conditions of the tender in favour of the University. University will not be obliged to meet and have discussion with any vendor, and or to listen to any representations.
18. **Shortlisting of Vendors**: University will create a shortlist of technically qualifying vendors and the financial tender of only these vendors will be opened. University reserves the right to decide whether the items being quoted are as per the requirement of the University and are of standard/leading brands in the market. University reserves the right to decide which offer best suits the requirement of the university. Further, after opening financial tenders of the short listed tenders, if there is a discrepancy between word and figure, the amount indicated in words will prevail.
19. University reserves the rights of accepting in full or part/not accepting the tenders without assigning any reason.
20. **Warranty:** The vendor shall provide comprehensive on-site Warranty for the system/equipment supplied against the work order for a min. period of 1 year from the date of installation and commissioning of the system/equipment. This would cover the hardware, hardware components, system software, equipment and accessories supplied by the vendor at the place of installation.
21. **Delivery period**: For imported goods the complete delivery, installation & commissioning of both the equipments/instruments should be made within 12 weeks from the date of issue of order. For indigenous goods it is 8 weeks.
22. **Resolution of disputes (Arbitration and laws)**: In case of any dispute or difference arising out of or in connection with the EOI conditions/order and contract, the GGV and the tenderer will address the dispute/difference for a mutual resolution and failing which, the matter shall be referred for arbitration to a sole arbitrator to be appointed by GGV. The arbitration shall be held in accordance with the provisions of the arbitration and conciliation act 1996 and the venue of arbitration shall be at Bilaspur only. The resolution of the arbitrator shall be final and binding on both the parties.
23. Jurisdiction: the courts at Bilaspur (C.G.) alone will have the jurisdiction to try any matter, dispute or reference between parties arising out of this EOI/contract. It is specifically

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agreed that no Court outside and other than Bilapsur (CG) court shall have jurisdiction in the matter.

24. Please feel free to contact Assistant Registrar (store), Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur (CG) for any clarification or any other information, with regard to this tender. E-Mail: arstore@ggu.ac.in

Schedule I

Technical Specifications of Instruments under SERB-EMR project

Item NO.	INSTRUMENTS	QTY	SPECIFICATIONS
1.	**Stereotaxic apparatus**	01	• Stereotaxic Instrument should have ability to perform surgeries on both Mice and Rats on the same base. • It should have an absolute lock at 90° ventral-dorsal and brass-bushings for electrical grounding. • It should have accuracy of 10-micron resolution • System should have zeroing function at reference point. • It should not have U-frame. • Revolutionary vertically-adjusting ear and nose bar posts • Revolutionary horizontally-adjusting ear and nose bar posts. • System should include dual tip ear bars with traumatic (18°) and non-traumatic (45°) ear bars. • It should also include the mouse innovative ear bars. • It should include mouse and rat nose adaptors. • Warranty: At least one year from the date of installation.
2.	**Microscope**	01	• **Stand:** Upright type with infinity corrected optical system. T - shaped, providing wider work surface, shall ensure smooth & efficient operation with less operator fatigue, even over extended use. Should incorporate a vertical position built-in transformer. Shall permit convenient placement of samples as well as ancillary equipment near the stand. Electrical control including intensity control. 24mm or more focus shift, light management with stored light intensity for each magnification. Ergonomic Snap button for image acquisition. ECO-mode for energy saving while microscope is not in use USB 2.0 to PC built in illumination adapter, achromatic built in luminous-field diaphragm slider built in aperture stop slider Microscope to be used for bright field, dark field, Phase Contrast, Solid state LED Fluorescence and

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			DIC/PlasDIC together with Camera and software **Upgrade:** Quote for DIC attachment separately
			• **Optics** Infinity Colour Corrected System optics
			• **Binocular Photo tube** Binocular photo tube with an Upright image and 20º inclination and suitable for 22mm Field of view eyepieces or above and 100:0/0:100 ratio for observation and documentation. Interpupillary distance adjustment from 55-75mm. It should have '*Siedentopf*' design by which we can have two different viewing heights.
			• **Eyepieces** 10x with field of view of 22 or above. Both the eyepieces should have diopter adjustment of +/-5. It should capable of accepting reticules. Eyepiece with eyecups
			• **Nosepiece** **CODED** 6x or more revolving nosepiece (capable of accommodating upto 6 objectives) mounted on ball bearing with highly precise click stops and should have slots for upgradation for DIC.
			• **Mechanical Stage** Dual layered with hard coat anodized surface with a stage plate of 220x170mm and mechanical stage of 75x50 with right and drive. Specimen holder for one hand operation, spring lever left
			• **Transmitted light Illumination** 10W LED and above Illumination**.** The illumination control knob and ON/OFF switch should be low positioned for convenient operation. A dedicated Control Panel for LED light source with LCD to display the operating state and LED selection and brightness settings. **Reflector Turret:** 6 position or more coded reflector turret.
			• **Condenser** Condenser 0.9/1.25 H with a Modulator disc for Bright field, Dark field, Phase 1, 2, 3 and PlasDIC.
			• **Objectives** 25mm and above diameter objectives. A-Plan Objectives of 5x/0.12, 10x/0.25, 20x/0.45 & Plan Neofluar 40x/0.65, 60/63x/1.25 oil & 100x/1.25 oil. The above objectives should be used for bright field, dark field, phase contrast as well as Fluorescence.

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			• **Fluorescence attachment:** 4-channel fluorescence light source with integrated control unit for continuous brightness adjustment, quickly switchable. should be Equipped with minimum 4 solid state LED lamps. Red (630nm) for excitation of Cy5, Alexa 631, TOTO-3 and similar dyes Green (555nm) for excitation of Cy3, TRITC, DsRed and similar dyes Blue (475nm) for excitation of eGFP, Fluo4, FITC and similar dyes UV (385nm) for excitation of DAPI, Alexa 405, Hoechst 33258 and similar dyes **dedicated Control Panel for LED light source with LCD to display the operating state and LED selection and brightness setting.**
			Filter sets: Filters with following excitation and emission range Filter set for use with the LED illumination system Suitable for fluorescent dyes like DAPI, FITC, TRITC and Cy5 with excitation wavelengths 385, 475, 555 and 630 nm. Contains beam splitter QBS 405 + 493 + 575 + 653 and Emission filter QBP 425/30 + 514/30 + 592/30 + 709/100.
			• **Camera:** Microscopy Color CCD/**CMOS** camera incl. driver software 64bit, USB 3.0 PCIe x1 interface, USB 3.0 cable 3 m and BK7 protection glass (coated) **5 (2,464 H X 2,056 V) Mega pixel** or more (Nett Effective pixel) without pixel shifting. Global Shutter Pixel size: 3.45 µm x 3.45 µm Chip size: equivalent to 2/3" Spectral range: app. 350 nm to 1000 nm. Full Well Capacity: Approx. 10,500 e Quoted camera should be able to work in both color and mono mode. 36 fps at 2,464 x2056 full frame
			• **Software:** Multi channel imaging with the basic software. Software for image acquisition and viewing. The software, camera and the microscope should be from the same manufacturer for a better control of the system.
			• **Hardware:** Best computer and monitor along with a coloured printer of a renowned make and model for analysis of image acquired from the microscope. Computer specifications: Latest Core i5 processor, 4GB RAM, 1TB HDD, Licensed version of Windows 8/10, Graphic card, 21" HD Monitor A country-specific power cable and a desktop power

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			supply should be included in delivery.
3.	**Protein Electrophoresis System (complete system)**	01	Complete Mini gel Protein Electrophoresis System: Must come with vertical gel running unit, gel casting modules, gel transfer assembly as well as power supply. Must have Capacity to run number of gels 1–4.
			Handcast gels: Cast gels using spacer plates
			Gel size (W x L) Precast: 8.6 x 6.8; handcast: 8.3 x 7.3
			Must be supplied with the Vertical Gel Caster for Casting acrylamide gels. Glass plate: Short plate & Spacer plate
			0.8mm Combs 6 wells, 8 wells, 10 wells, 12 wells 1.5 mm Combs 6 wells, 8 wells, 10 wells, 12 wells
			Protein Blotting apparatus; must be supplied with sponges and pads for transfer.
			Power supply (High Current) 300 W power supply
			Typical run times for SDS-PAGE should be 35–45 min (at 200 V constant)
			Gel Format – Mini
			Gel Knife
4.	**Refrigerated Tabletop Centrifuge**	01	Refrigerated centrifuge should be safe, compact and easy to use Should be able to achieve the speed and lower temperatures instantly. Must processes samples faster with unmatched acceleration and deceleration rates. Must contain at least 24-place rotor that can be used for all 1.5 to 2.0 ml tubes, including mini-preps and spin columns. Should have a dual row rotor holds that can hold 18 1.5/2.0 ml tubes and 18 0.5 ml tubes at the same time, eliminating the need for adapters Special high-capacity rotors should be able to support 0.5 ml micro tubes, 0.2 ml PCR tubes and Hematocrit capillary tubes. Should have bio-containment rotor lid with security feature like ”clicks” when a proper seal has been made, providing assurance that the samples are securely contained, as well as shortens retrieval time with one click opening. Must contain clear polycarbonate rotor lid so that the contents of rotor may be viewed for added safety and convenience. Should not be noisy and must performance @ <56 dBA ventilated. Must have Intuitive controls and easy-to-read display that makes operation easy. Highly resistant unit and rotor materials should enable

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<table>
<tr><td></td><td></td><td></td><td>vigorous yet easy cleaning and rotor autoclaving for years of contaminant free operation.</td></tr>
<tr><td>5.</td><td>Protein Semi Dry Blotter</td><td>01</td><td>•Protein Semi Dry Blotter System should be able to complete protein transfer in 7 minutes or less.

•Must have High detection sensitivity and even transfer with increased blotting reliability and reproducibility.

•Must work with flexible gel size formats and membrane types.

•A simple, user-friendly system with options to create new custom programs with built-in tutorial and application notes.

• Dry Blotting System electroblotting system should facilitate the protein transfer from mini-, midi-, and E-PAGE™ gels onto nitrocellulose or PVDF membranes for western detection.</td></tr>
<tr><td>6.</td><td>pH meter</td><td>01</td><td>pH meter should have a large, well-structured display, intuitive button arrangement and simple menu to ensure that measurements can be performed in just a few clicks.

pH meter must also be capable of measuring the temperature accurately. Either temperature probe may be inbuilt in same electrode or provided separately.

pH meter should be able to accurately display pH and temperature.

Arm for the electrode should be flexible so that electrode can be extended to a flask placed on a magnetic stirrer.

Should be compact with the ability to remove the sensor holder and store it on the side of the meter.

pH meters should allow the data to be exported either directly to a printer or a PC for further processing using RS232 or USB ports.

Specifications -

<table>
<tr><td></td><td>pH; mV</td></tr>
<tr><td>Channel</td><td>Single-channel</td></tr>
<tr><td>Version kit</td><td>Ready-to-measure kit</td></tr>
<tr><td>pH measuring range</td><td>0 – 14</td></tr>
<tr><td>pH resolution</td><td>0.01</td></tr>
<tr><td>pH accuracy (±)</td><td>0.01</td></tr>
<tr><td>mV measuring range</td><td>0</td></tr>
<tr><td>mV resolution</td><td>1</td></tr>
</table>
</td></tr>
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			mV accuracy (±) 1 Temperature Range 0 °C – 100 °C Temperature Resolution 0.1 °C Temperature accuracy (±) 0.5 °C
7.	**Water Purification System**	01	**Water Distillation Unit (Vertical Model), with quartz condenser and a safety cutoff device with Output capacity- 2.5 Liters/ Hr. or more.** Must include features: Lower Boiler with inbuilt heater enclosed in a quartz boiler with a cup on top. Demountable upper boiler with built in quartz coil and condensing unit mounted on the boiler with the help of ball and socket joint. Double walled condenser to ensure separate condensation of vapors coming from two boilers using a single cooling circuit. Unit can be mounted on a specially designed metal stand provided by the supplier and must come with an automatic safety control unit.
8.	**Cryocontainers**	02	**Cryogenic Vessel – Two different capacity of cryogenic vessel.** **(a). 2-4 liter capacity of container to be used on working platform.** **(b). 30-50 liters of Liquid Nitrogen** for storing cells, tissues and biologicals. **Features:** Must contain hangers bearing stainless-steel canisters to accommodate vials with durable aluminum construction and vacuum insulation Narrow-mouth design to minimize LN2 evaporation and must have a secure locking clasp. • Capacity : 30-50 L • Empty Weight : 12 – 20 Kg • Neck Diameter : minimum 50mm • Outer Diameter : 461mm • Height : 695mm

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			• Number of Vials : 700ea • Static Holding Time : 296 Days • Canister Outer Diameter : 97mm • Canister Height : 120/276mm • Numbers of Canister : 6(3)ea
9.	**Wax Oven**	01	High Temperature Oven. Triple layer fabrication, interior made up of stainless steel. The space between interior and exterior wall should be filled with a high grade glass wool for heat insulation. Must come with 2-3 replaceable shelves. Door with security features, good locking system and proper gasket should be part of the unit. Temperature range must be upto 300°C and must be displayed using a microprocessor display. Interior cabin must be provided with a fan for air circulation. Control panel must be provided with a selector switch for high and low rate power, temperature selection / control. Equipment must be suitable for working at 220 Volts AC 50Hz single phase.
10.	**Shaker**	01	**3D-3- Digital 3D shaker with Microprocessor & Brushless Motor with following features:** • Three dimensional rocking / tumbling motion for homogenous mixing. • Variable speed setting from 15 to 80 RPM in steps of 5 RPM • Long timer range from 1-999 minutes & • infinite mode • Must include spiked rubber mat & an optional accessory of sticky pad mat • Easy to clean and protects the equipment against penetration of liquids (IP 21 protection) • Non slip rubber feet for stable operation. • Weight Capacity 3 kg • Variable Speed 15-80 RPM • Movement Type Tumbling, Tumbling Angle 70 • Timer Range 1-999 mins & infinite mode • Operation Type Timed & Continuous operation • Pulse Mode Yes (Run-Pause-Run Mode) • Plate Size 307 mm x 26 mm • Power Consumption 24W • Attachments Sticky Pad Mat
11.	**Rocker**	01	Digital 3D shaker with microprocessor control and brushless motor. Variable speed from 15-80 rpm. Longer time range 1-999 minutes and infinite mode. Must come with a rubber mat and optional sticky pad.

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			Easy to clean.
12.	**Vortex mixer**	01	**Vortex Mixer with following features:** • It should have one mixing head for a variety of tube sizes. • It should be a functional unit for a range of applications requiring gentle mixing to high speed vortexing. (Adjustable speed upto 3000 rpm with continuous, intermittent touch control mode **with digital display of speed and time**.) May contain a 3 position slider — (top) intermittent, (middle) off, (bottom) continuous • Robust Construction for stable operation. Inbuilt counter balance for study and safe operation.
13.	**Microbalance**	01	Laboratory microbalance must offer up to 30 grams weighing capacity with readability to 0.01mg. The 5 decimal place semi microbalance should features at least 3.0 inch round weighing platform, 3 door draft shield glass chamber providing minimum of 8.0 inches height from pan to top of glass door. • Balance should come with fully automatic, temperature and time controlled internal calibration. • Main housing of the balance should be die-cast base housing to ensure stable and repeatable weighing. • Balance should come with an integrated application software with a variety of application programs built in, helping to simplify routine tasks like - Toggling between weight units - Density - Percent weighing - Check weighing - Peak hold - Parts counting - Mixing enables you to weigh in various components of a formula quickly with 100% traceability. - Statistics to know the standard deviation and other statistics on an entire group of different samples, but don't have the time to do the number-crunching yourself. - Conversion to convert a weight using a factor, say, to calculate the weight per unit area. •
14.	**Slide Staining Apparatus**	01	Linear working model with Minimum 12 working station Single cup capacity between 300-500 ml

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			must process at least 16 slide at a time Must come is adjustable dipping times. Must be programmable to suit individual needs. Operation should be automatic and microprocessor based control system.

SERB-EMR, Principal Investigator
Dept. Of Zoology, GGV, Bilaspur

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TECHNICAL INFORMATION OF THE TENDERER

Tenderer Profile **Annexure I**

Sr No	Desired Details	Information Furnished
1.	Name of the Firm	
2.	Registered Office address Telephone No Fax No E-mail	
3.	Correspondence/ contact address	
4.	Details of Contact person (Name, designation, address etc.) Telephone No Fax No E-mail	
5.	Is the firm a registered company? If yes, **submit Documentary proof Year and Place of the establishment of the Company**	
6.	**Tenderer Bank Details** Name of Bank IFCS Code Branch	
7.	Is the firm Government/ Public Sector Undertaking/ propriety firm/ partnership firm (if yes, give partnership/ limited company or limited corporation member of a group of companies (if yes, give name and address, and description of other companies) subsidiary of a large corporation (if yes give the name and address of the parent organization) If the company is subsidiary, state what involvement if any, will the parent company have in the project.	
8.	Is the firm registered for service tax with Service Tax department? If yes, **Submit valid service tax registration certificate**	
9.	What type best describes your firm? · Manufacturer · Supplier · System Integrator	

Seal and Signature of Tenderer

	· Consultant · Service Provider (pl. specify details) Others	
10.	Is the firm registered with sales tax department? If yes, submit valid sales tax registration certificate.	
11.	What type best describes your firm? · Manufacturer · Supplier · System Integrator · Consultant · Service Provider (pl. specify details) Others	
12.	Details of reputed Organizations where the vendor has executed similar type of supplies. If Yes, Submit Certificate/Purchase Order of any 3 PSUs / Govt. Institutions. enclosed PO and completion certificate 1)	
	2)	
	3)	
13.	Have you ever been denied tendering facilities by any Government/Department/ Public sector Undertaking? (If yes, Give details)	
14.	PAN Card No	
15	GST Reg. No	
16.	**EMD details** Name of Bank Amount DD No and Date	
17.	**Tender Fee Details** Name of Bank Amount DD No and Date	

Dated: ……

Signature of Tenderer……..
Name……..……..
Designation……..
Firm's seal……

Seal and Signature of Tenderer

Financial Details (last Three years)

Sr. NO	Name of the Tenderer	Turn Over (Rs. in Lakhs) Total of 3 Financial Years						Average Turn Over For Three Years	
		2015-16		2016-17		2017-18			
		Turnover	Profit	Turnover	Profit	Turnover	Profit	Turnover	Profit

Note : Please enclose certificate issued by CA in this regard.

Validity : The tenders should be valid for at least for Three months period from the date of opening of the financial tender.

Dated: ……

Signature of Tenderer……..
Name……..……..
Designation……..
Firm's seal……

Seal and Signature of Tenderer

Declaration certificate must be submitted only on non-judicial stamp paper of Rs. 100/-

Annexure-II

DECLARATION

1. I, ---------- Son /Daughter of Shri ----------

---------- Proprietor/ Partner/ Director/ Authorised Signatory of M/s. ----------
--------- --- ------ ----- ------- ---------- am competent to sign this declaration and execute this tender document.

2. I have carefully read and understood all the terms and conditions of the tender and hereby convey my acceptance of the same.

3. The information/ documents furnished along with the above application are true and authentic to the best of my knowledge and belief.

4. I/ we/ am are well aware of the fact that furnishing of any false information/ fabricated document would lead to rejection of my tender at any stage besides liabilities towards prosecution under appropriate law.

5. Our firm is neither blacklisted by any Government Department nor is any Criminal Case registered against the firm or its owner or partners or directors anywhere in India.

Signature of the Authorised Person

Date : ----------

Full Name : ----------

Place : ----------

Company Seal : ----------
Mobile No.- ----------

Note : The above declaration, duly signed and sealed by the authorised signatory of the firm/company, should be enclosed with the tender document.

Seal and Signature of Tenderer

Annexure-III

Financial Tender

i. Please quote rates for Instruments as per detail specifications given in schedule-1 of this tender, for two instruments/equipments.

ii. Rates are to be quoted only in the prescribed BoQ annexed (Annexure III) on-line.

iii. Quoted rates should be inclusive of all as detailed in the terms and conditions of this tender.

iv. The Cost of the equipment should be inclusive of all taxes and statutory levies. Labour installation charges, packing, transporting, forwarding, transit insurance, loading, unloading commissioning, demonstration, freight etc. However the details of the rates included is to be submitted in a separate sheet for purpose of clarification (if required).

v. For imported goods price to be quoted "FOR Guru Ghasidas University Campus, Bilaspur (C.G.)". The tenderer has to peruse the terms and condition of this tender in this regard.

Seal and Signature of Tenderer

CHECK – LIST

This checklist wil be helpful to the tenderer for submitting their offer

S.No.	Details	Complied/ attached Yes/ No	Page Number
1.	1. Tender Cost Rs 2000/- (Non-refundable		
	2. Earnest Money Deposit (EMD). EMD of amount Rs. 1,00,000/-		
2.	**TECHNICAL TENDER**		
	1) Tenderer Profile **(Annexure I)**		
	2) Declaration **(Annexure II)**		
	3) Detailed technical specifications and literature/manuals of the goods/services to be supplied.		
	4) Technical compliance statement with deviation, if any.		
	5) Authorized partner/dealer/distributor certificate from the original manufacturer (If any).		
	6) Signed copy of E-tender document along with the attested copies of the support of information furnished by the tenderer.		
	7) Check list		
3.	**Financial Tender** (As per BoQ of the E-tender) **Annexure-III**		
4.	PAN with ownership proof attached		

Seal and Signature of Tenderer

5.	Valid TIN No. attached		
6.	CST No. attached		
7.	Valid GST Reg. No. attached		
8.	Details of reputed Organizations where the vendor has executed similar type of supplies (PO and Completion certificate attached).		
9.	Current valid Authorization Letter from OEM. (If tenderer is not an OEM)		

Seal and Signature of Tenderer