

वित्तीय वर्ष 2026-27 में नालन्दा मेडिकल कालेज, पटना के विभिन्न विभागों के लिये मशीन-उपकरण का कय हेतु निविदा की विवरणी एवं शर्त :-

(क) तकनिकी निविदा:- इसके तहत निम्नलिखित कागजात संलग्न करना होगा।

1. निविदादाता फर्म / कम्पनी / एजेन्सी का नाम, पुरा पता, मोबाईल नं० एवं आधार कार्ड ।
2. निविदादाता फर्म / कम्पनी / एजेन्सी का दूकान एवं प्रतिष्ठान / नगर निगम / श्रम विभाग या समकक्ष में निबंधन प्रमाण की छाया प्रति।
3. फर्म / कम्पनी / एजेन्सी का जी.एस.टी. प्रमाण पत्र की छाया प्रति।
4. पैन कार्ड की छाया प्रति तथा Assessment Year 2023-24, 2024-25 एवं 2025-26 का आयकर रिटर्न की छाया प्रति।
5. निविदादाता का अन्य संस्थानों में आपूर्ति से संबंधित कय आदेश की छाया प्रति एवं परफारमेंस प्रमाण पत्र की मुल प्रति।
6. निविदादाता फर्म / कम्पनी / एजेन्सी का बैंक शोधन क्षमता की मुल प्रति। बैंक शोधन क्षमता कम से कम पचास लाख रु० मात्र का होना चाहिए।
7. तकनिकी निविदा में मशीन-उपकरणों का स्पेशिफिकेशन अंकित करना होगा।
8. निविदादाता को काली सूची में दर्ज नहीं रहने का शपथ-पत्र (कार्यपालक दण्डाधिकारी द्वारा निर्गत) मुल प्रति।
9. निविदादाता को इस आशय का शपथ पत्र मूल में संलग्न करना होगा कि वित्तीय निविदा में अंकित दर केन्द्र सरकार एवं राज्य सरकार द्वारा निर्धारित मूल्य के अर्न्तगत है।
10. निविदादाता का वित्तीय वर्ष 2025-26 का टर्न ओभर की विवरणी CA द्वारा निर्गत) की प्रति। टर्न ओभर कम से कम एक करोड होना चाहिए।
10. अग्रधन के रूप में 1,00,000.00 (एक लाख) रु० मात्र का बैंक ड्राफ्ट जो प्राचार्य के पदनाम से भुगतये हो संलग्न करना होगा। अग्रधन में लघु उद्योग एवं मध्यम उद्योग वाले फर्म को छुट नहीं दिया जायगा।

(वित्तीय निविदा) :- वित्तीय निविदा में सामानों का दर टैक्स रहित होना चाहिए एवं उस पर निर्धारित सभी प्रकार का देय टैक्स अलग से अंकित करना होगा।

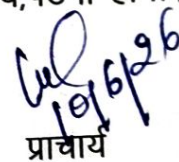
शर्त :-

1. निविदा का दो तकनिकी मूल्यांकन किया जायगा। प्रथम तकनिकी मूल्यांकन कागजातों का होगा एवं द्वितीय तकनिकी मूल्यांकन कागजातों के तकनिकी मूल्यांकन में सफल फर्मों के तकनिकी निविदा में अंकित मशीन-उपकरणों के स्पेशिफिकेशन का होगा।
2. निविदा के तकनिकी मूल्यांकन में सफल फर्मों का ही वित्तीय निविदा खोला जायगा।

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3. मशीन-उपकरण की आपूर्ति के पश्चात संबंधित विभाग में अधिष्ठापन कराना होगा।
4. मशीन-उपकरण की आपूर्ति के बिरुद्ध विपत्र का भुगतान अधिष्ठापन-सह-कार्यरत प्रमाण पत्र प्रस्तुत करने के पश्चात किया जायगा।
5. आवश्यकता एवं आवंटन की उपलब्धता के आधार पर सामानों का कय किया जायगा।
6. आदेशित सामानों की आपूर्ति निर्धारित अबधि में करना होगा। ऐसा नहीं करने पर संबंधित फर्म का अग्रधन राशि जब्त करते हुए काली सूची में दर्ज करने की कार्रवाई की जायगी।
7. मशीन-उपकरण के निविदा में मशीन-उपकरण के मेक एवं मॉडल का उल्लेख करना होगा।
8. मशीन-उपकरणों का अधिष्ठापन की तिथि से एक वर्ष की वारंटी देना होगा।
9. अग्रिम राशि का भुगतान नहीं किया जायगा।
10. अधोहस्ताक्षरी/कय समिति को विना कारण बताये किसी/सभी निविदा को रद्द करने का अधिकार सुरक्षित रहेगा।
11. किसी भी तरह के विवाद का न्यायिक क्षेत्र पटना उच्च न्यायालय, पटना होगा।


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प्राचार्य

नालन्दा मेडिकल कॉलेज, पटना

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List of Machine-Equipment to be Purchased in financial Year 2026-27

S.N	Name of Item	Specification
1	Refrizerator 165 Liter	
2	Embalbing Machine For Cadaver	Electromagnetic Boring Pump Cadaverous
3	RIBS Cutter	
4	Iron cutter & Blade	
5	X-Ray View Box	
6	Window AC 1.5 ton	3 Star
7	Brain Knife	
8	Drill Machine	
9	Diamond Cutter	
10	Hammer	
11	Cutter Machine	
12	Dissection Instruments	
13	Patient Warming Devices	Forced -air Warming Systems Temperature range 32 d to 43 d Microprocessor-controlled systems Overheat protection and alarms HEPA filtration Disposable blanket compatibility Digital Display Portable with trolley Power 220-240 V AC CE/FDA/BIS certified Warranty 1-3 Years
14	Online UPS with Battery 03 KVA	
15	MONO-Quartz Distillation With Distillation Apparatus Power supply	Panel mounted with Quartz boiler & Borosilicate condenser Vertical Model Output 5 liters/hour Water Cooling Consumption 60 lit/hr Pyrogen free pH 6-7 Conductivity S/cm $\leq 3 \times 10^{-6}$

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16	Thin Layer Chromatography kit with chamber, sprayer and other accessories	1. Spreader(applicator) made of electroplated brass 2. Perspex base of 114X23 cm to Support glass plates 3. Plate rack aluminium, anodized for ten 20X20cm or 20X10 cm plates 4. Developing tank with lid 5. Spotting template made of Perspex 6. TLC plates set of five 20X20 cm. And two 20X5 cm or set of ten 20X10 cm and two 20X5 cm 7. Glass sprayer with rubber bellow cap 100 ml 8. Micro-Pipette 9. Subscriber for marking lines Made of stainless steel Glass plates all side ground Glass plates all sides Ground for T.L.C Size 20X20 cm Size 20X10 cm Size 20X5 cm Chromatography tank with cover for plates of different sizes Size 20X5 cm Size 20X10 cm Size 20X20 cm Accessories for T.L.C Apparatus sprayer with rubber Bellow Glass Perspex base of 114X23 cm to Support glass plates Optional Accessories for T.L.C Apparatus Desiccator cabinet : This is used for Storing plates of TLC and for Genral Laboratory work. Made of thick Sheet, with stout glass door sealed With rubber gasket. A tray for silica Gel dessicant and perforated shell Are provided. Inner dimension (height X width X Depth) 30X50X35 T.L.C Master sheet for direct reading of RF values T.L.C plate storage cabinet made of wood with MICA on all slides for transport and storage of coated plates sealed against air humidity Size 38X23X20 cm Suitable for 24 plates of Size 20X20 cm
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17	Digital Colorimeter	Absorbancer 400-700 nm Minimum volume 1 ml std glass Filter : 8 filters Display 21/2 digit LED Absorbance range 0-1.99 Resolution : 0.01 A Accuracy : 0.5% FSI Detector : Selenium photocell Light source : 6.8V, 300 mA Power:230 V $\pm$ 10%
18	Laboratory Centrifuge Machine 16 Tubes	* Automatic rotor identification , Ensures operator safety. * Stainless steel Centrifuge chamber, Easy to clean. - Brushless induction moto with Variable frequency drive * Microprocessor controller with Digital display * Stable speed output even under unstable voltage conditions. * Smooth & Soft start * Low sample temperature rise * Inverter fault detection with auto shutdown * 7 segment LED display of speed * Digital countdown timer & Condition run * Safety lid interlock to prevent lid opening during centrifugation. * Imbalance detection & centrifugation stop with display of error. * Dynamic brake for quick deceleration * Motor overhead protection * Gas hinge to prevent door falling * Emergency lid lock release.
19	Agarose Gel Electrophoresis Unit with Power pack.	* Gel Casting Tray:1 No * Well Comb: 2 Nos (6 well & 8 well) * Anode Electrode: 1 No * Cathode Electrode : 1 No * Connecting Cable : 1 set (Black& Red)
20	Distilled Water Plant	
21	Grossing Knife	
22	Scissor (size-8)	
23	Scalpel Holder	
24	Scalpel Blade	
25	Tissue Capsule (big size)	
26	Tissue Capsule (small size)	

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27	Split AC	2 ton 5 Star
28	Window AC	2 ton 3 star
29	Forceps Large(toothed)10"	
30	Forceps Large (Plain)10"	
31	Tissue Lifter	
32	Barometer	Mercury alternative
33	Pasteur Chamberland filter Set	
34	Backfield Filter	
35	Museum jars	
36	Models/Charts/Specimen	
37	Analytical Balance (200 gm)	
38	Food Weighing Balance (2kg)	
39	Adult Weighing Machine	
40	Baby Weighing Machine	
41	Salter Baby Weighing Machine	
42	Harpender Calipers	
43	Height Measuring Stand	
44	Chloroscopes	
45	MUAC Tapes	
46	Haemoglobinometer	
47	BP Apparatus (Digital)	
48	Kata Thermometer	
49	Globe Thermometer	
5510	Anemometer	
52	Soil Testing Kits	
53	Water Sampling Bottle	
54	Needle shredder	
55	Iodine Testing Kit	

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56	Glucometer	
57	Entomology Slide Set	
58	Mosquito Catching Kit	
59	Clinical Thermometer	
60	Sling Psychrometer	
61	Solar Radiation Thermometer	
62	First Aid Kit	
63	Otoscope	
64	Ophthalmoscope	
65	Infantometer	
66	Anthropometric set including Folding metal rod up to 7ft	
67	Electronic Vernier Caliper	Digital Calliper Stainless Steel Body with Large LCD digital Calliper (150mm)
68	Equipment for reporting height	Steel measuring tope (02ml)
69	Electronic human body Weighing Machine	Balance personal digital electronic body weight machine for human weight machine for human Body 180 Kg.
70	Weighing Machine for organs And fetus.	
71	Rectal Thermometer	Flexible tip digital thermometer with One touch Operation for child and Adult.
72	Magnifying glass (B19)	
73	Glass cutting pencil	
74	Electronic saw with suction	
75	Tooth extractor	
76	Refrigrator with Stablizer	220 Liter frost free door, 4 star
77	Portable X-Ray machine with C Arm	
78	X-Ray View Box	
79	Measuring Tape steel	

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80	Stretcher for Shifting Body	
81	Weighing Scale	
82	ESR Stand	
83	TestTube Stand	
84	Centrifuge Machine	1000-5000 RPM
85	Test Tube Holder	14-20 mm
86	Tuning fork	512 Hz
87	Patellar Hammer	Queen Square and Tylor reflex hammer
88	Sphygmomanometer	
89	Centrifuge (32 tube each)	* Instruments should have high-Speed, high capacity benchtop design - Microprocessor-based control * Instruments should have heavy Duty CRC construction finished with Powder coating. * Instruments should have stainless Centrifugal bowl for extra protection And easy cleaning. * Instruments should have well-balanced brushless motor with electronic drive * Instruments should have programmable speed regulator from 2000 to 20000 97In 100 RPM intervals. * Instruments should have digital Timer 0-99 minutes * Instruments should have 4-line 20 Character LCD display for set time, Run time, set & run RPM,RCF and Rotor identification. * Instruments should have capacity to store 50 programs in memory and Automatic rotor identification on Display. * Instruments should have Additional Lid lock to prevent opening while Running. * Instruments should have dynamic brake (automatic) and imbalance detector. * Instruments should have selection Of 3 acceleration and 4 deceleration Profiles. * Instruments should have last test parameter recall 90and display Au91tomatically on LCD * Instruments should have supply Complete with instruction manual,

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		Cord & plug to work on 220V 50 Hz AC * Instruments should have maximum Speed 20000 RPM * Instruments should have maximum RCF 27800xg. * Instruments should have maximum Tube size 100ml * Instruments should have maximum Capacity 400 ml * Instruments should have dimensions (WDXH) 400X500X455 mm. * Instruments should have rotor Option with capacity and RCF, Angle And awing out both. * Instruments should have minimum One Year on -site warranty from Date of installation. * It must include comprehensive Installation and commissioning. * The OEM should attached ISO 9001& ISO 13485 with IAF Approved certification. * The Instruments should be CE Certified. * The OEM should attached EPR Registration certificate certified with CPCB for electrical parts. * The OEM should have service Station in Gujrat. * Its must have standard warranty of One Year's covering all essential Components for trouble free Operation. * Its must provide calibration Certificates from NABL approved labs And user manuals will be provided along with each unit on request. * it must include 1Q,QQ and PQ Report.
90	Laminar flow Vertical	1.Laminar Air Flow (Vertical airflow) EN 12469 OR equivalent Normal Size (Approximately 4 feet length X2 Feet depth) epoxy powder coated Exterior Door fully closing with hinged Sash. Support stand, solid one-piece Dished work surface with Stainless Steel Internal usable working area of At least 0.69 m2 (7.43 sq ft) with curved corners and of a single sheet 2. One Piece formed stainless steel

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		Work surface with a curved front Edge. 3. Inner both side wall and back wall Of one piece Stainless steel with Vertical Laminar airflow. 4. With a downflow velocity of 40-70 Fpm, ISO Class 3/5 5. HEPA Filter. 6. Should include 210-240V/50-60 Hz 7. With a display of parameter of Airflow velocity , air exhaust value. Pressure sensor 8. With a Ultraviolet light and white light fitted inside the cabinet. 9. For safety UV light should be closed, when the viewing window is And when the white light is on. 10. With at least one electric power supply point of 15 A load capacity inside the cabinet 11. UV protective Glass viewing Window and side panels 12. Working height of front Window 8 inches, Maximum lifting height of Front window approximately 20 Inches 13. Motor must automatically adjust The airflow speed without the use of a damper to ensure continuous safe working conditions 14. Cabinet noise level must be less Than 64 Db, Antimicrobial painting 15. Suitable constant power supply (5KVA online UPS)restart after a power failure with a battery and UPS stand with wheels 16. One 3 ft UV lamp; Two Direct Mounted Electrical outlet (Indian Standard):One service Fixture with 40mm Thread Length for LPG Gas Burner (copper piping must be factory installed) 17. One support Stand with caster Wheels; One Ergonomic Foot Rest: one Ergonomic Lab chair 18. Offer should include 1Q,QQ,PQ test, particle Count test, Velocity test and smoke pattern test, and third party validation.
91	Digital Water bath	1. Water bath Capacity- 05 liters Or more 2. Chamber Construction- Double Walled rectangular chamber 3. Maternal of Outer chamber Construction- Epoxy coated /Power Coated stainless steel SS304/mild Steel.

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4. Number of racks provided with Water bath unit-o
5. Number of 75 mm diameter Holes Provided-08
6. Heating Capacity- 2000 wats or more
7. Control Panel – ON/OFF Switch, Heating & Temperature (Set & Actual) Indicators,
Power mains Indicators, Temperature controller.
8. Adjustable shaking frequency in Rpm- 20-200
9. Type of Temperature controller- Digital controller cum Indicators PID Based control
10. Water Bath Display type- Digital Display
11. Removable bottom plate and Shaking inserts – Yes
12. Temperature range of bath Chamber- 5* C above ambient to 99.9 *C
13. Temperature control Sensitivity- $\pm 0.2^{\circ}\text{C}$ or better
14. Least temperature increment Step available- 1°C
15. Temperature Accuracy $\pm 0.2^{\circ}\text{C}$ Or better
16. Safety Features – Over Temperature Alarm & cutoff
17. Power requirements- 220V.50Hz Single Phase AC
18. Warranty Period- 3 Years or more
19. Timer Provided- Yes
20. Timer setting (Minimum Increment step)- 5 second
21. Drain plug in Chamber Provided- Yes
22. Drain screw for emptying of Water bath- Yes
23. Seamless and waterproof Keypad - Yes

92	Electronic Weighing Balance	1. Electronic weighing balance should Have LCD display and complete with Meal casing and transparent wind shielded cover. 2. Max weighing capacity should be about 200 gms 3. Reading should come out at least 3 points 4. Reproducibility Should not be less Than 0.001 gms 5. Linearity should not be less than +0.002 gms 6. Pan size should not be less than 115mm
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		7. The balance must have features like internal rotary adjustment control And calibration. 8. Should have features of piece Counting, port for computer connectivity % determination, suspended weighing capacity and electrical adapter for mains 230-240 V/50-60 Hz. 9. Should have rechargeable battery pack. 10. Should have protective working Cover for keyboard and housing. 11. Manufacturers' guarantee of 02 years the date of Installation Should be provided at no extra cost.
93	pH meter	1. Instruments – pH meter 2. Model No – To quote 3. Ph meter with Stirrer- Should be Microprocessor based & ports to Connect electrode, temperature Sensor 4. Electrode Systems – Should Provided electrode to measure Ph samples like organic solvents as well as aqueous medium .Electrode should be :Ag/AgCl electrode with double junction design Electrode Body type (shaft materials): Glass Diaphragm suitable for bath organic And aqueous solutions quantity of electrode required :total 4 no Four nos of pH meters. 5. Electrode cable – Should provided electrode cable to plug electrode with Each Ph meter. 6. Measurements Systems – a) pH Range : 0.14 pH Resolution:0.001 or Better accuracy of pH : ± 0.003 or Better b) mV : ± 0.002 mV Resolution :0.1 or better Accuracy of mV : ± 0.2 or better c) Temperature: 0-100°C Resolution : 0.1 °C Accuracy: ± 0.2 °C or better 7. Temperature Sensor- pt 100/pt 1000/NTC 8. Temperature compensation of The solution- d) should do automatic Temperature compensation of the Solution. 9. pH calibration -Multiple Callibration With at least 8-point calibration Buffers recognition should be automatic. 10. Calibration Fluids – Should provided Mixed buffer solutions of pH 4.0.7.0 And 9.0 in single use sachet (Box of 3*

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		10) Quantity of mix buffer solutions Required 16 boxes with 4 nos of pH Meters 4* (one with pH meter+ three As spare =04) 11.Warranty – The Vendor should give warranty for the instrument of Minimum 12 months after installation. 12. Operating and service manuals -User/Operational/service manual along with circuit and wiring diagram, Layouts etc. Should be provided with the instruments in hard copy for free cost.
94	McIntosh fields Jar	1. Dimension : around 8*5 inches 2. Material : Heavy Duty , stout. borosilicate glass 3. Lid and seal : An airtight metal lid Secured /neoprene sealing ring to Prevent gas leakage. 4. Valves – Fitted with an inlet and outlet needle valve(tap) for connecting to a Vacuum pump and gas cylinders. 5. Catalyst : a wire gauze capsule Suspended under the lid containing Catalyst(Alumina pellets coated with palladium). 6. pressure/Vacuum Gauges: Equipped With a built-in manometer or vacuum/ Pressure gauge.
95	Bacterial Incubator Digital	1.Inner Chamber capacity -250-300L 2. Type – Bacteriological Incubator (Heated only, typically no cooling) 3. Temperature Range- 5°C above Ambient to 70°C 4.Accuracy – Less than $\pm 0.5^{\circ}\text{C}$ at 37°C 5. Display/Controller : Microprocessor-Based dual display PID controller with Auto-tuning showing Set Value(SV)and Process Value(PV). 6. Inner chamber Material : Corrosion-Resistant Stainless steel (SS304). 7. Outer Chamber Material-Cold Rolled Closed annealed (CRCA) mild steel with Powder coating. 8. Insulation :High density PUF (Polyurethane foam) insulation to Maintain temperature uniformity. 9. Air Circulation : Motorized blower For forced convection to maintain temperature uniformity. 10. Shelves : Removable, perforated stainless steel shelves (adjustable). 11. Doors : Double door systems-inner glass door for observation and outer insulated door. 12. Safety Features : Digital safety Thermostat, alarm systems and over-Temperature protection.

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		13. Power supply : 220-240V AC, 50 Hz, Single phase. Warranty : minimum 1 year.
96	Candle Jar	1.container should transparent made of heavy-duty borosilicate glass. 2. Air- seal tight must lid include a heavy-duty rubber, silicon , or neoprene O-ring gasket. 3. Capacity – 2.5 to 3.5 L
97	VDRL Shaker/Rotator	1. Purpose- khan racks, bottle or conical Flakes of different sizes cab be shaken By adjusting the compartments provided on the shaking rack. 2. Shaking time control – Automatic Digital on/off timer 3. Speed measurement- Digital OPM/speed meter 4. Proximity switch- Yes 5. Platform width- 20-30 centimeter 6. Platform length- 25-65 centimeter 7. Shaking- Reciprocating type/Rotating 8. Material: mild steel sheet duly power coated and Top surface covered with non-slip mat- Yes 9. Heavy duty electric motor for Countinous rating- Yes 10. Power Requirements- 220V 10, 50Hz AC 11. Speed Range- Variable from 70 to 300 osciliations per minute. 12. Maximum shaking Load(in Kg) Permissible – 20-40 13. Suitable for Operating temperature And RH- 0 to 50 degree C, 0 to 90% Relative Humidity 14. Certification-Availability of Test Reports (To be furnished by Seller to Buyer on Demand)of the product from Central Govt./NABL accredited lab Showing compliance to the specification. – Yes 15. Test Reports details: Number, Date, of issue, Name and address of issuing Laboratory.
98	Serum Inspissators (Heavy Duty)	a. A show polished stainless steel try should be rested inside a tank containing water b. The Whole undersurface of the tray must be in a constant temperature which ensures that the temperature of the McCartney bottles with media is also constant. c. The Surface of the tray should a series of sloping steps (at 9 degree angle above the horizontal) and should Hold 160 universal containers. d. The temperature of the water under the tray must be controlled by a digital immersion thermostat. e. The temperature controller should be microprocessor based

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		with LED/LCD display of actual and set temperature & time with a display resolution of 0.10C f. Should be provided with the timer which is user set-able from 024 hours and should have an audio alarm to indicate when time is up. g. Accuracy and reproducibility of set temperature should be ensured with the digital display of actual and set temperature. h. The control unit should be mounted on a bridge plate over one end of the bath, from which heater, stirrer and temperature sensors project down in to the bath. i. All moving parts should be incorporated in the control unit which is removable for servicing. j. The tray and tank should be made of stainless steel and should be rust free. k. A constant level device should be fitted to maintain the water level despite evaporation losses. l. Standard temperature must be 85°C; Operating temperature range should be: ambient +5 to 90°C ; Temperature stability should be +/- 0.20C m. Heat up time to time standard temperature should not be > 3.5 hours. n. Voltage regulators of appropriate rating should be included for each item to cope with 160-260 V o. Uniformity tray surface +/- 0.7 Oc p. Heater power should be (approx.) 1.4Kw, 230 V q. Tank capacity (nominal) should be (approx.) 45 Lit. r. Working area should be approximately 820/594mm (Length/width) s. Overall dimension should be approximately 1040/600/380 mm (L/w/h) t. Over temperature protection should be provided with fixed cutout. u. Electrical Power 220-240 V 50/60 Hz, 1.5 kW (approx.) v. A spare heater should provided along with the equipment. w. Should conform with electric safety standard – IEC-60601-1, EN 61010-1 and should be CE certified. x. Should include complete onsite installation and demonstration of functionality. y. Should be supplied with minimum 02 2 years on-site warranty and additional 3 years of CMC(inc.spares)
99	Colony Counter (Digital)	1. Material of construction- Fully Stainless steel fabricated Body with duly heat cured epoxy coating. 2. Display and counting- It should be consist of * Digital display up to 4 digits with confirmation by audible Tone * It should consist of Magnifying Lens (greater than 2X magnification) with digital marking pen * Accepts petri dish up to size 140 mm diameter with a Centering adapter for standard 90 mm petri dish * Glare free viewing low energy bright LEDs * A switchable black background viewing translucent and Difficult to see colonies. * Zero reset button.

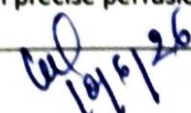
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		3. Operation and training component – The Supplier will have carry out successful Installation at the laboratory premises (where ever the systems has to be installed) and provided on-site comprehensive training for a minimum of two scientific personnel operating the systems till customer satisfaction. 4. Certificates Performance and safety standards(specific To the devices type); Local and/or international- Should Be compliant with the requirements of FDA/CE/BTS * Electrical safety conforms to the standards for electrical Safety IEC 60601-Genral requirements (or equivalent -BIS Standard) * Certified to be compliant with IEC 31010-+01, IEC 61010-40 for safety. 5. Supplier/ Manufacture- Must be ISO certified for quality. 6. Service Support Contact details)Hierachy Wise: Including a toll free/landline number- Contact details of Manufacture, Supplier and Local service agent to be Provided; any Contract (AMC/CMC/Adhoc) to be declared By the Manufacture. 7. Recommendations Or warning – Any warning signs Would be adequately displayed. Warranty – Warranty of two years after satisfactory Installation and working excluding consumable parts and Accessories. 8. Service contract clauses, including prices- List of all Spares and accessories (including minor with part numbers and price, required for maintenance and repairs future after guarantee/warranty period should be attached. 9. Operating Manuals, service manuals other manuals- Should 2sets (hardcopy and soft copy)of * user technical and maintenance manuals to be supplied In English language along with machine diagrams; * List of equipment and procedures required for local Calibration and routine maintenance; * Service and operation manuals (original and copy) to Be provided; * Advanced maintenance tasks documentations. * Certificate of Calibration and inspection. 10. Compliance statement – The quote should be also Include a compliance statement vis-à-vis specification in A “ tubular form” clearly stating the compliance and giving Justification, if any supported by technical literature.This Statement must be signed, with the company seal, for its author and acceptance that any incorrect or ambiguous information fou submitted will result in disqualification.
100	Antibiotic Zone Scale	Measuring Ranger: must allow accurate reading of inhibition zones from 10 mm to 40 mm Graduations : Minimum reading scale of 0.5 mm or 1 mm For high precision. Materials: Usually constructed from clear, durable acrylic, Transparent plastic, or stainless steel for longevity and ease of cleaning . Dimension: Designed to accommodate standard 90 mm to 100 mm Petri dishes or agar plates.

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101	Desktop computers	13th Generation i5 processor Intel Core, 8GB RAM, 550 1TB Windows 11, 512 GB, 21" colored LED Monitor, Keyboard, Mouse, 600 VA UPS, MS (Office original) This PC should be installed with CAL programs and Software for teaching and learning Experimental Pharmacology (Animal Simulator Kit) Computer with Standard configuration and connected To internet preferably Broad along with A-V aids including multimedia Projector and screen LED screen. The Computer must have Computer Assisted teaching -learning (CAL) and assessment material
102	One full set of Manikins for Demonstration of Different routes of Drug administration eg. Intravenous Intramuscular, Sub-Cutaneous, intradermal, Transdermal Oral, Sub-Lingual, Per-rectal, Per-vaginal, Intraarterial, Intraarticular, Epidural, Intra-peritoneal, Intracardiac intraosseous etc.	
103	Rota Rod	Standard Laboratory instruments used to evaluate motor Coordination, balance, fatigue resistance and motor Learning in rodents (mice & rats)
104	Critical flicker fusion Apparatus	It is specialized Psychophysical instruments used to Measure the threshold at which a flickering light appears as a Continuous steady beam. Used to evaluate Visual Temporal resolution, Critical arousal.
105	Choice Reactions Time (CRT)	Apparatus is a Psychology laboratory instrument that Measure cognitive processing speed. It requires a subject To respond with different actions based on different Stimuli eg. Pressing a left key for red light and a right Key for a green light.
106	Hand Grip Dynamometer	A device used to measure maximum Isometric hand and Forearm muscle strength. It is widely utilized by Athletes (rock climbing gymnastics), in physical therapy For rehabilitation and by clinicians as health indicator.
107	Hand Steadiness tester	It is a device used to measure fine motor skills, hand eye Co-ordination, and ability to hold arm and hand still. Used in psychology labs or Science fairs.
108	Mammalian Heart Perfusion Assembly	It is a specialised laboratory system used for in vitro Cardiac Research, enabling studies on isolated heart function (eg. Langendorff technique) through precise perfusion Control.
109	Photo Actometer	


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110	Digital Ph meter	
111	Plethysmograph	
112	Flame Photometer	
113	Electroconvulsimeter	
114	High Performance Liquid Chromatography	
115	Analgesiometer	1. Eddy hot plate type 2. Tail flick type
116	Pulse Oximeter	
117	Cooks pole climbing apparatus for behavioural studies	
118	ECT machine with EEG and ECG	* Should deliver a current of bid-Directional square wave brief pulse * Should have 05 channels 1 channel EEG, 1 channel ECG, 1ch EMG, optical motion sensor to monitor the movement during Seizure for providing assessing seizer efficacy . * Should have different stimulus parameter buttons to vary pulse width, frequency ,duration. * Machine can be used as stand-alone as well as with PC when Required. * Output should display in joules as well as in coulombs on * Should have inbuilt LCD screen. * Should have protection against the paddle short circuit or open circuit condition. * All Parameter should display on inbuilt TFT display. * Should have stimulus current from 500-900mA, frequency 20-120 Hz, Pulse width 0.3-1.5msec, stimulus duration of 0.1-5.9 Sec. *Should have the facility to connect the system to an external PC and should be provided with monitoring software to view physiological monitoring .The data can be stored with all the Treatment parameters on the PC. * Standard should have facility to record up to 24 channels of EEG simultaneously with ECT as well as well independently for Performing EEG tests. * Standard accessories along with Bite blocks should be supplied * ISO and CE certifies. * Compatible Computer, UPS & laser b/w printer should be Supplied.
119	EMG Biofeedback Machine	* Should be able to monitor following parameters: EMG Along with GSR & EEG simultaneously. * Audio Visual feedback should be available * Should have user-friendly software. * Changes in physiological data should be synchronised with The video feedback displayed on the second monitor as well As with the Audio feedback.

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		* A variety of musical variations to set at different levels of Relaxation. * Should have facility of multiple picture animation. * Separate monitor for video animation should be provided. * Modular systems to enable use of parameters of choice at A particular time * User friendly sensors to provide simple plug-in connection * 3D graphic for feedback should be available as standard * Should be supplied with suitable computer hardware along With separate monitor for animation graphics and other Standard accessories required with biofeedback * Computer Hardware i5 processor, 8GB RAM, 512GB SSD, 21" TFT display, Keyboard, Mouse, UPS & Laser printer b/w * ISO and CE certification is must. Accessories : <table><tr><td>Biofeedback Module</td><td>01 set</td></tr><tr><td>EMG Transducer</td><td>01 set</td></tr><tr><td>GSR electrodes</td><td>02 set</td></tr><tr><td>EEG electrodes</td><td>04 Nos.</td></tr><tr><td>Software CD</td><td>01 Nos.</td></tr><tr><td>21" Monitor for video animation</td><td>01 Nos</td></tr><tr><td>Computer set as per specs</td><td></td></tr></table>	Biofeedback Module	01 set	EMG Transducer	01 set	GSR electrodes	02 set	EEG electrodes	04 Nos.	Software CD	01 Nos.	21" Monitor for video animation	01 Nos	Computer set as per specs	
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Software CD	01 Nos.															
21" Monitor for video animation	01 Nos															
Computer set as per specs																
120	Transcranial DC Power MA-TDCS	Electrical specification of tDCS System Min Current 0.01mA Max current 2.00 mA Current control 0mA to 2mA linearly variable using high Precision variable control Output current protection : 4.00 mA DAC : 12 bit Samples Current correction time : 45 ms Precision : ± 0.004 mA Ripple (RMS) :25mV Tip : anode(+) Ring: cathode(-) Electrodes ;Wet type foam in rubber with flexible band. Power source : 1x9V alkaline batteries. Battery life: 12 hrs continuous operation. Length : 55mm Width : 99mm Height: 26mm Weight: 350 gms (batteries included) Connector type : 2.5mm jacks: Operating limits Min Max Temperature : 14oC 28oC Humidity (non-condensing): 70% Atmospheric pressure : 700h Pa 1060hPa														
121	Lithium Analyzer	Can be shared with Biochemistry if present in Biochemistry														
122	Projective Tests	Rorschach Inkblot Tests and Thematic Apperception Tests(TAT)														
123	Intelligence Tests	Stanford-Binet and Wechsler scales (WAIS,WISC), Reven' Progressive														
124	Personality Tests	Minnesota Multiphasic Personality Inventory (MMPI)														

125	Neuropsychological tests	* Montreal Cognitive Assessment (MoCA) and Mini & Mental State Examination (MMSE) for screening Wechsler scales(WAIS/WMS) * Rey - Osterrieth Complex figure Tests, Clock Drawing tests * Trail Making test (parts A & B), Wisconsin Card Sorting tests
126	Steel Almirah	22 Gaze, 04 Shelves

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