

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 का नाम, पुरा पता, मोबाईल नं० एवं आधार कार्ड ।
2. निविदादाता फर्म/निर्माता/आपूर्तिकर्ता/प्राधिकृत बिक्रेता के निबंधन प्रमाण पत्र की छाया प्रति।
3. निविदादाता फर्म/निर्माता/आपूर्तिकर्ता/प्राधिकृत बिक्रेता 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 फर्म/निर्माता/आपूर्तिकर्ता/प्राधिकृत बिक्रेता अन्य संस्थानों में आपूर्ति से संबंधित कय आदेश एवं परफॉरमेंस प्रमाण पत्र की अभिप्रमाणित छाया प्रति।
6. निविदादाता फर्म/निर्माता/आपूर्तिकर्ता/प्राधिकृत बिक्रेता का बैंक शोधन क्षमता की मुल प्रति। बैंक शोधन क्षमता कम से कम पचास लाख रू० मात्र का होना चाहिए।
7. तकनिकी निविदा में मशीन-उपकरणों का स्पेशिफिकेशन अंकित करना होगा। तकनिकी निविदा में मशीन-उपकरणों का मेक एवं मॉडल भी अंकित करना होगा।
8. निविदादाता फर्म/निर्माता/आपूर्तिकर्ता/प्राधिकृत बिक्रेता को काली सूची में दर्ज नहीं रहने का शपथ-पत्र (कार्यपालक दण्डाधिकारी द्वारा निर्गत) मुल प्रति ।
9. निविदादाता फर्म/निर्माता/आपूर्तिकर्ता/प्राधिकृत बिक्रेता 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 2024-25 का टर्न ओभर की विवरणी (CA द्वारा निर्गत) की प्रति। टर्न ओभर कम से कम पचास लाख होना चाहिए।
10. अग्रधन के रूप में 1,00,000.00 (एक लाख) रू० मात्र का बैंक ड्राफ्ट जो प्राचार्य के पदनाम से भुगतये हो संलग्न करना होगा।

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

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3. मशीन-उपकरणों की आपूर्ति के उपरान्त संबंधित विभाग में अधिष्ठापन कराना होगा।
4. मशीन-उपकरण की आपूर्ति के बिरुद्ध विपत्र का भुगतान मशीन-उपकरण का अधिष्ठापन-सह-कार्यरत प्रमाण पत्र प्राप्त होने के पश्चात किया जायगा। विपत्र तीन प्रतियों में प्रस्तुत करना होगा।
5. आवश्यकता एवं आवंटन की उपलब्धता के आधार पर मशीन-उपकरण का कय किया जायगा।
6. आदेशित मशीन-उपकरण की आपूर्ति 21 दिनों के अन्दर करना होगा।
7. निर्धारित अबधि में मशीन-उपकरण की आपूर्ति एवं अधिष्ठापन नहीं करने पर संबंधित फर्म का अग्रधन राशि जब्त करते हुए काली सूची में दर्ज करने की कार्रवाई की जायगी।
8. मशीन-उपकरणों का अधिष्ठापन की तिथि से एक वर्ष का 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।


प्राचार्य

नालन्दा मेडिकल कालेज, 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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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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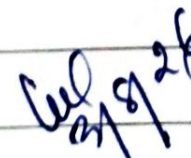
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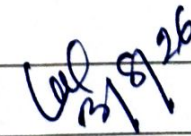
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17	Digital Colorimeter	Absorbancer 400-700 nm Minimum volume 1 ml std glass Filter : 8 filters Display 2 1/2 digit LED Absorbance range 0-1.99 Resolution : 0.01 A Accuracy : 0.5% FSI Detector : Selenium photocell Light source : 6.8V, 300 mA Power: 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 motor 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	
50	Anemometer	
51	Soil Testing Kits	
52	Water Sampling Bottle	
53	Needle shredder	
54	Iodine Testing Kit	


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


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79	Stretcher for Shifting Body	
80	Weighing Scale	
81	ESR Stand	
82	TestTube Stand	
83	Cenrtifuse Machine	1000-5000 RPM
84	Test Tube Holder	14-20 mm
85	Tuning fork	512 Hz
86	Patellar Hammer	Queen Square and Tylor reflex hammer
87	Sphygmomanometer	
88	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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		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.
90	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
91	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.
92	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 Calibration 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 Vandom 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.
93	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.
94	Bacterial Incubator Digital	1.Inner Chamber capacity -250-300L 2. Type – Vacteriological 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.
95	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
96	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.
97	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)
98	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.
99	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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100	Rota Rod	Standard Laboratory instruments used to evaluate motor Coordination, balance, fatigue resistance and motor Learning in rodents(mic & rats)
101	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.
102	Choice Reactions Time (CRT)	Apparatus is a Psychology laboratory instrument that Measure cognitive processing speed .It require 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.
103	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.
104	Hand Steadiness tester	It is a device wed to measure fine motor skills, hand eye Co-ordination, and ability to hold arm and hand still. Used in psychology labs or Science fairs.
105	Mammalian Heart Perfusion Assembly	It specialised laboratory system used for in vitro Cardiac Research, enabling studies on isolated heart function (eg. Langendorff technique) through precise perfusion Control.
106	Photo Actometer	
107	Digital Ph meter	
108	Plethysmograph	
109	Flame Photometer	
110	Electroconvulsimeter	
111	High Performance Liquid Chromatography	
112	Analgesiometer	1. Eddy hot plate type 2. Tail flick type
113	Pulse Oximeter	
114	Cooks pole climbing apparatus for behavioural studies	
115	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

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		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.														
116	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. * A verity 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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117	Transcranial DC Power MA-TDCS	Electrical specification of tDCS System <table><tr><td>Min Current</td><td>0.01mA</td></tr><tr><td>Max current</td><td>2.00 mA</td></tr></table>	Min Current	0.01mA	Max current	2.00 mA										
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
118	Lithium Analyzer	Can be shared with Biochemistry if present in Biochemistry
119	Projective Tests	Rorschach Inkblot Tests and Thematic Apperception Tests(TAT)
120	Intelligence Tests	Stanford-Binet and Wechsler scales (WAIS,WISC), Reven' Progressive
121	Personality Tests	Minnesota Multiphasic Personality Inventory (MMPI)
122	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
123	Steel Almirah	22 Gaze, 04 Shelves
124	E- Podium with Gooseneck Microphone	• Metallic Body with Top Sliding Mechanism • Visualiser Tray • Rack for Equipments • 21.5 inches Touch screen monitor • Laptop Interface with inbuilt swither • 6 ports Power Strip • Phantom Powered Gooseneck Mic •

Handwritten signature
Principal

Nalanda Medical College, Patna.

Handwritten date
3.8.26

Handwritten date
02/08/26