



## कार्यालय, प्राचार्य, फुलो ज्ञानो मेडिकल कॉलेज, दुमका।

### निविदा सूचना संख्या – 04 / 2023–24

फुलो ज्ञानो मेडिकल कॉलेज, दुमका के कार्यालय एवं विभिन्न विभागों में आवश्यकता के अनुसार रसायन एवं मशीन उपकरण इत्यादि की क्रय एवं आपूर्ति हेतु न्यूनतम दर निर्धारण के लिए मानक स्तर के निर्माताओं या उनके प्राधिकृत वितरक/आपूर्तिकर्ता से मुहरबन्द निविदा दिनांक- 28.07.2023 के अपराहन 05:00 बजे तक आमंत्रित किया जाता है।

निविदाओं को खोलना की तिथि :- दिनांक- 01.08.2023 के अपराहन 12:00 बजे तक फुलो ज्ञानो मेडिकल कॉलेज, दुमका के कार्यालय प्रकोष्ठ में (निविदा खोलने के समय निविदादाता अथवा उनके प्रतिनिधि उपस्थित रह सकते हैं) निविदा की शर्तें निम्न प्रकार है।

#### (A) तकनीकी बीड

1. कम्पनी/फर्म/प्राधिकृत विक्रेता का GST निबंधन प्रमाण पत्र एवं GST Return (जून 2023 तक) की प्रति संलग्न रहना चाहिए।
2. निविदादाता को विगत तीन वित्तीय वर्ष 2019–20, 2020–21 एवं 2021–22 का आयकर रिटर्न एवं पेन कार्ड संलग्न करना होगा।
3. निविदा दाता का पिछले तीन वित्तीय वर्ष में प्रत्येक वर्ष का वार्षिक टर्न पचास लाख रुपये से कम नहीं होना चाहिए। इससे संबंधित पिछले तीन वित्तीय वर्ष 2020–21, 2021–22 एवं 2022–23 का चार्टर्ड एकाउन्टेन्ट द्वारा निर्गत Balance Sheet एवं Trading, Profit cum Loss account संलग्न रहना चाहिए।
4. निविदादाता का ड्रग लाईसेंस (रसायन के लिए अनिवार्य होगा)।
5. निविदादाता को मशीन उपकरण के लिए निर्माता कंपनी का Authorization Letter अनिवार्य होगा साथ ही आपूर्ति किये जाने वाले मशीन उपकरण के लिए ISO/CE Certificate अनिवार्य होगा।
6. निविदादाता को प्रत्येक उल्लेखित मशीनों का स्पेशिफिकेशन एवं कंपनी द्वारा प्रकाशित कैंटलॉग संलग्न करना होगा एवं मशीनो का गारण्टी उल्लेखित करना होगा। यदि मशीनो का कैंटलॉग नहीं पाया गया तो उक्त मशीनो का वित्तीय दर मान्य नहीं होगा।
7. निविदा दाता को मजिस्ट्रेट अथवा नोटरी पब्लिक से शपथ पत्र की मूल प्रति देना होगा कि उनका प्रतिष्ठान/कंपनी काली सूची में दर्ज नहीं है एवं रुग्ण अवस्था में नहीं है तथा सभी प्रकार के आरोपों एवं सभी प्रकार के सरकारी जाँच से मुक्त है।
8. निविदा के साथ EMD के रूप में 50,000=00 (पचास हजार) रुपये मात्र का बैंक ड्राफ्ट Principal, Phulo Jhano Medical College, Dumka के नाम से देय एवं दुमका में भुगतये हो, संलग्न रहना चाहिए (Refundable)। EMD राशि पर छूट के लिए EMD Exemption से संबंधित MSME/NSIC से निर्गत कागजात संलग्न होना चाहिए।
9. निविदा शुल्क के रूप में 2000.00 (दो हजार) रुपये मात्र का बैंक ड्राफ्ट Principal, Phulo Jhano Medical College, Dumka के नाम से देय एवं दुमका में भुगतये हो, संलग्न रहना चाहिए (Non-Refundable)। इस पर किसी प्रकार का छूट देय नहीं होगा।
10. तकनीकी बीड में सफल पाये जाने पर ही संबंधित निविदादाता का वित्तीय बीड खोला जाएगा।

#### (B) वित्तीय बीड

1. इसमें रसायन सामग्री एवं मशीन उपकरण इत्यादि का कंपनी का नाम, स्पेशिफिकेशन एवं दर कम्प्यूटर द्वारा मुद्रित कराकर देना होगा। किसी प्रकार का कटिंग या ओवरराइटिंग मान्य नहीं होगा।
2. स्टेशनरी एवं रसायन सामग्री इत्यादि का दर सभी करों एवं अन्य सभी व्यय सहित सम्मिलित रहना चाहिए। अलग से कोई राशि (यथा-परिवहन व्यय, अधिष्ठापन व्यय, पैकिंग, इन्वयोरन्स चार्ज या अन्य कोई चार्ज) देय नहीं होगा।
3. मशीन उपकरण की गारण्टी/वारण्टी अलग से अंकित करना होगा।

#### (C) अन्य शर्तें

1. तकनीकी बीड एवं वित्तीय बीड को अलग-अलग लिफाफे में बंद करना होगा एवं उसमें निविदा दाता का पूरा नाम, पता अंकित करना होगा। तत्पश्चात दोनों लिफाफे को एक बड़े लिफाफा में भरकर बंद करना होगा एवं उसमें निविदा दाता का पूरा नाम, पता अंकित करना होगा तथा उस पर निविदा संख्या लिखकर जमा करना होगा।
2. आपूर्ति किये जाने वाले रसायनों का तिथिवाद उनकी पूरी सेल्फलाईफ का कम से कम 80 प्रतिशत होना चाहिए।
3. आपूर्ति आदेश निर्गत होने की तिथि से पन्द्रह दिनों के अन्दर रसायन एवं मशीन उपकरण की आपूर्ति क्रयादेश में दिए गए स्थान के भंडार में करना होगा। निर्धारित तिथि तक आपूर्ति नहीं करने पर नियमानुसार विधिसम्मत कार्रवाई की जा सकती है।
4. रसायन सामग्री/ मशीन उपकरण की गुणवत्ता में किसी प्रकार की कमी रहने पर उसे वापस कर दिया जाएगा।
5. Installation किये जाने वाले मशीन उपकरण को कार्यादेश में उल्लेखित स्थानों पर Installation तथा प्रशिक्षण देना अनिवार्य होगा।
6. इसके लिए निविदादाता को हुई आर्थिक क्षति के लिए अधोहस्ताक्षरी जिम्मेवार नहीं होगा। नकली सामान की आपूर्ति पाये जाने पर संबंधित फर्म के सामान के जब्त करते हुए प्राथमिकी दर्ज करने की कार्रवाई की जाएगी।
7. सशर्त निविदा मान्य नहीं होगा।
8. कार्यादेश निर्गत कि तिथि से सभी सामग्री को निर्धारित तिथि के अन्दर आपूर्ति करना होगा अन्यथा संबंधित फर्म को भविष्य के किसी भी निविदा में भाग लेने से वंचित रखा जायेगा।
9. निविदा द्वारा निर्धारित दर अगली निविदा द्वारा दर अनुमोदित होने तक के लिए मान्य होगा।
10. अधोहस्ताक्षरी को यह अधिकार सुरक्षित रहेगा कि बिना कारण बताये निविदा को संशोधित/रद्द कर सकते हैं।
11. विभागीय आवंटन उपलब्ध रहने पर ही क्रयादेश निर्गत किया जायेगा।
12. किसी भी प्रकार का विवाद होने पर न्यायिक क्षेत्र दुमका होगा।

31.7.23  
प्राचार्य,

फुलो ज्ञानो मेडिकल कॉलेज, दुमका।

11/07/23

## List A ( Machine &amp; Equipments)

SN	Items	Unit	Specification
1	3D Anatomy & Virtual Dissection platform	1 unit	Virtual Dissection Table offering scalable interactive 3D anatomy solutions created from physical human CT/MRI Scans for all academic levels – Pre, Para & Clinical Phase. The Virtual Dissection System is a 2-model variant (Virtual Dissection Table-Anatomy and Virtual Dissection Table-Surgery). Each one of the tables is an amalgamation of interactive Hardware and Software provisions. Simplified solutions integrated with virtual dissection, peel away layers for an easy understanding of real anatomy in 3D.
2	5 part fully automated cell counter	1 unit	(Product Specification, Automation Fully Automatic, Differential Type 5-Part, Number Of Chambers 2, Operation Mode Fully Automatic, Storage Capacity Up to 20,000 results including numeric and graphical information, Sample Mode Whole Blood, Capillary, Pre-Diluted, Display Type TFT Touch Screen, Method Electrical Impedance, Throughput 40 samples per hour
3	ABG machine	1 unit	Dimensions Depth(400 mm) x width(320 mm) x height(410 mm), Humidity 20 to 85%, Temperature 10 to 30 degree Celsius, Voltage 100V-240V , Interface USB,LAN,Support uni-directional LIS Portable Chamber Double, Frequency 50Hz/60Hz)
4	Adult wiegging Machine	1 unit	inverter 1.5 ton AC with Stabilizer & Installation
5	Air Conditioner	1 unit	inverter 2 ton AC with Stabilizer & Installation
6	Air Conditioner	1 unit	This is a glass tube with markings.
7	Albuminometer, ESBACHS & AUFRECHS type	1 unit	Two markings are seen U&R. U-Urine, R – Reagent. From the base up to the marking "U", The tube is graduated from 0-12 in gm.
8	Dummy of Fetus		Stages Of Fetal Development Model Set
9	Fetal Skull		Fetal Skull Handmade
10	Articulated Human Bone pelvis		Pelvis bone
11	Articulated Human Bone	1 unit	Durable Stand on Wheels Included Assembled Human Articulated bone including skull, axial & appendicular bones. Joints should be wired by stainless steel/ good quality spring. Articulated bone set should be leveled/ marked for muscle attachment. ( Used for Medical Students & Medical Professionals )
12	Baby wiegging Machine	1 unit	
13	Battery Exide/ Luminous 220AH	1 unit	
14	BP Appratus (Mercury/ Digital)	1 unit	
15	Chloroscope	1 unit	All items required in full Kit
16	Chromatography chamber TLC	1 unit	Pcs
17	Clinical Thermometer	1 unit	

SN.	Items	Unit	Specification
18	Coagulometer (Fully Automated)	1 unit	8 channel, mechanical, Analysis mode -chromogenic, immunologic, PT, APTT, fibrinogen, TT, Sample type blood, plasma, whole blood Configuration-benchtop Other characteristics- random access, computer-assisted
19	Craft water testing kit		
20	IPC Console		Technical sepecification attached in page no .....13.....
21	MR8 Otology Drill		Technical sepecification attached in page no .....14.....
22	M5 STRAIGHTSHOT MICRODEBRIDER handpiece		Technical sepecification attached in page no .....15.....
23	Densitometer with computer- Electrophoresis	1 unit	
24	Dis- Articulated Human Bone	1 unit	desembeled Human dis articulated bone including individual bone of skull, individual bone of axial & individual bone of appendicular bones. ( Used for Medical Students & Medical Professionals )
25	Electric Incubator	1 unit	
26	Electrophoresis Apparatus Power pack	1 unit	<p>Product Specification</p> <p>Model Name/Number Erba LisaScan EM</p> <p>Usage/Application Hospital</p> <p>Brand Erba</p> <p>Display Type LCD 320 x 240 Pixels (High resolution Graphics)</p> <p>Operation Mode Absorbance, Quantitative, Qualitative, Semi-Quantitative, Kinetic Mode</p> <p>Dimension 502 mm x 369 mm x 216 mm</p> <p>Weight 7 Kg</p> <p>System Type Open System</p> <p>Plate Types 96 Well Plates</p> <p>Wells Type U, V and Flat Bottom Wells</p> <p>Measurement Modes Continuous / Step</p> <p>Keyboard Sturdy Membrane Panel</p> <p>Operating Temperature 20 to 40 Degree C</p> <p>Storage Temperature 10 to 50 Degree C</p> <p>Humidity Max. 80% RH, Non-Condensing</p> <p>Manufactured By TransasiaErba</p>
28	Fixed volume pipettes	1 unit	Erba; 1 ml, 0.5 ml, 0.2ml, 0.1 ml, 0.02 ml
29	Fixed volume auto pipettes	1 unit	Erba or accurex or tulip or Biosensor brand; 1 ml, 0.5 ml, 0.2ml, 0.1 ml, 0.02 ml, 5ml, 10ml



SN	Items	Unit	Specification
30	Fully automated Embedding System (heated embedding module & cold plate)	1 unit	Tissue Embedding Station with cold plate Unilab Model No. 127TES: Five independent heating zones for better performance. The automatic system starts and stops (7-day memory). Electrically heated forceps holder on both sides. Set temperature memorization. Panel temp. Display for all heated/cooled areas. Paraffin flow control via keypad and foot pedal. Bright illumination of the work area. Two tissue preservation boxes. Setting temp. Range: 55-70oC. The volume of the paraffin: 2.5 ltr to 3 ltrs. The volume of the preservation box: 228X148X50mmx2. Size of the embedding table: 170X90mm. Size of the cooling platform: 320X300mm. The unit has a storage tank, preservation boxes, forceps holder, paraffin nozzle whose heating can be controlled through the microprocessor. Programmable for weekdays and each heating zones temperature can be individually set which makes it easy for the user. Illuminated work platform. Easily readable control panel with LCD touch display.
31	Fully automated flexible coverslipping workstation	1 unit	
32	Fully Automated high Throughput multi stainer Workstation	1 unit	Tenders Are Invited For Supply, Installation, Testing, Commissioning And Handing Over Of Fully Automated High Throughput Multi Stainer Workstation For Department Of Pathology ( 1. High Throughput System Should Be With Multiple Protocols, 2. System Should Be Capable For Running H&E, Pap And Other Special Staining Protocols, 3. Should Be Capable To Load Multiple Slides Racks/basket, 4. The Intuitive Software To Perform Separate Protocols Simultaneously With Multiple Baskets In Process Should Be Available ) At Phulo Jhano Medical College Dumka
33	Fully Automated immuno- histo chemistry setup with continuous supply of important antibodies	1 unit	
34	Fume cupboard	1 unit	Ductless(filtered)- Bench top model
35	Glucometer with strips	1 unit	POCT- Accusure company
36	Graduated cylinder 1000cc	1 unit	1000cc
37	Graduated cylinder 100cc	1 unit	100cc
38	Graduated cylinder 200cc	1 unit	200cc
39	Graduated cylinder 500cc	1 unit	500cc
40	Grossing Station -	1 unit	Stainless Steel with control Panel, air filtration system track mounted adjustable computer arm with articulation, LED light that are color and intensity, dedicated USB ports for camera control & Data transfer adjustable, integrated pathology camera system, instrument sets (high quality ) height adjustable stainless steels chairs with split AC

SN	Items	Unit	Specification
41	Harpenden Calliper	1 unit	Dial Graduation: 0.20 mm Measuring Range: 0 mm to 80 mm Measuring Pressure: 10 gms/mm <sup>2</sup> (constant over range) Accuracy: 99.00% Repeatability: 0.20 mm
42	Horrocks Apparatus	1 unit	Horrock's water testing kit is designed to find out the concentration of bleaching powder required for disinfection of water. Box contains cups, 1 black cup with a circular mark inside, spoons, glass stirring rods, pipette, droppers, a starch-iodine solution and other testing solutions.
43	Mannequin System wise	1 unit	For Medical Students (An anatomical model is a three-dimensional representation of human or animal anatomy, used for medical and biological education.)
44	Microscope Binocular	1 unit	Product Specification (please see full specification below in attached page no. 16...)
45	Microscope Monocular	1 unit	Viewing Head : Monocular tube, 45° inclined, 360° rotatable, Eyepiece : Wide Field eyepiece W/F 10X, FOV 18mm, Nosepiece : Quadruple nosepiece, Condenser : Moveable ABBE Condenser, centerable, NA 1.25 with aspheric lens, Iris diaphragm, Swingin and swingout filter holder, Light Source : Illumination system LED 3.5w 3v or halogen 6v 20w (either One), with intensity controller
46	Mosquito Catching Kit	1 unit	
47	MUAC Tape	1 unit	
49	Museum Jar	1 unit	Rectangular with cover
50	Needle Shredder	1 unit	Two-Second Operation Rust-Free Cutter Shockproof High-grade steel cutter: long life. Extra safety: burning needles eliminates the need for recapping and prevents needle injuries.
51	Ophthalmoscope	1 unit	LED with continuous brightness control Aluminum frame system 27 single lenses (ranging from -35D to +40D) No pinhole macula aperture Recessed windows prevent stray light escaping to minimize distractions One-handed control for ease of use Able to examine small and undilated pupils. Eliminates corneal reflex Ideal for small pupils Dustproof
52	Otoscope	1 unit	Otoscope Kit, Professional Diagnostic Ear Care Tool with 2.5V Halogen Light, 3X Magnification, 4 Speculum Tips Size - for Children, Adults

SN	Items	Unit	Specification
53	Paper Electrophoresis Apparatus with power pack	1 unit	Type of Electrophoresis Paper or Cellulose acetate membrane electrophoresis Buffer volume about 1,000 ml Voltage required 5V/cm of paper Overall Dimensions (LxWxH) 370x270x110 mm Weight 2 kg
54	PCR Machine	1 unit	Roche or Thermo fisher or Bio Rad company
55	Pentahed microscope	1 unit	with high end optics with HDMI multi output photography camera (> 5mp) including software
56	Polyacrylamide gel Electrophoresis Apparatus with power pack with accessories	1 unit	Specifications for Electrophoresis Apparatus with Accessories Horizontal gel apparatus: 18 – 20 cm (Length) x 25 – 30 (Breadth) x 5- 7.5 cm (Height), 40-60 samples, multichannel pipette compatible combs and gel caster. Vertical gel apparatus: 10 – 12 cm (Length) x 8 – 10 (Breadth) x 8 - 12 cm (Height), 5-10 samples, glass plate (10 x10 cm), comb capacity of 35µl -50µl and gel caster. Gel imaging system with UV transilluminator (white light and UV light), built in with SMP – 10MP camera; 1D Gel analysis Soft-ware. Power pack (output 10 – 300 V) with output terminals, timer, 3 digit LED display and start/stop function.
57	Public Address System	1 unit	Brand AHUJA Item Dimensions LxWxH 33 x 12.2 x 7.1 Centimeters Connectivity Technology Wireless, Bluetooth, AUX, 3.5 mm jack Power Source Battery Powered Item Weight 3 Kilograms
58	Refridgrator 265 lit ( Domestic)	1 unit	Capacity 265 litres Configuration Full-Sized Freezer-on-Top Energy Star 3 Star above Stabilizer free operation
59	Refridgrator 285 lit ( Labrotary use)	1 unit	Single Door Glass (Interior LED light) Stabilizer free operation Temperature must be 2-8 degree, Energy Star 3 Star above Stabilizer free operation
60	RO Water Purifier (50 lt /hour) without Chiller	1 unit	Pcs
61	5 KVA Stabilizer for Mortuary chamber	1 unit	5 KVA stabilizer Automatic
62	Salter Baby weighing Machine	1 unit	Product Specification
63	Semi auto analyzer	1 unit	(please see full specification below in attached page no ..... 13 to 19)

SN	Items	Unit	Specification
64	Sound Level Meter	1 unit	<p>Features: Main functions are designed to meet IEC 61672 class 2. A &amp; C weighting networks comply with standards. 0.5" standard microphone head. Time weighting (Fast &amp; Slow) dynamic characteristic modes. Build External calibration VR. Auto range &amp; Manual range selection. Available for external calibration adjustment. Condenser microphone for high accuracy &amp; long-term stability. Memory function to store the Max. &amp; Min. value.</p> <p>Hold and Peak Hold functions. Real time SD memory card Datalogger, it Built-in Clock and Calendar, real time data recorder, sampling time set from 1 second to 3600 seconds.</p> <p>Manual datalogger is available ( set the sampling time to 0 second ), during execute the manual datalogger function, it can set the different position ( location ) No. 1-99</p> <p>Innovation and easy operation, computer is not need to setup extra software, after execute data logger, just take away the SD card from the meter and plug in the SD card into the computer, it can download the all the measured value with the time information(year/month/date/hour/minute/second ) to the Excel directly, then user can make the further data or graphic analysis by themselves. SD card capacity: 1 GB to 16 GB.</p> <p>LCD with green light back light, easy reading. Can default auto power off or manual power off. Data hold, record max. and min. reading. Microcomputer circuit, high accuracy.</p> <p>Power by UTM3/AA ( 1.5 V ) x 6 batteries or DC 9V adapter.</p>
65	Stabilizer 3 KV for mortuary Chamber	1 unit	<p>Pcs</p> <p>Measuring range -20 - 205 cm</p> <p>Graduation -1 mm</p> <p>Gross Weight -2.65 kg</p> <p>Length -14.25 inch</p> <p>Width -4.75 inch</p>
66	Stadiometer	1 unit	<p>Quick specimen cooling.</p> <p>Capacity to holds up to 100 cassettes on its larger working surface.</p> <p>Better cooling with Teflon coating.</p> <p>Environment friendly refrigerant.</p> <p>Temperature: -10/-20°C</p> <p>Cassettes capacity: 100</p> <p>Voltage: AC 110V/ 220V @ 60Hz/ 50Hz</p> <p>Dimensions: 790X480X470mm</p>
67	Standalone cold plate	1 unit	<p>Quick specimen cooling.</p> <p>Capacity to holds up to 100 cassettes on its larger working surface.</p> <p>Better cooling with Teflon coating.</p> <p>Environment friendly refrigerant.</p> <p>Temperature: -10/-20°C</p> <p>Cassettes capacity: 100</p> <p>Voltage: AC 110V/ 220V @ 60Hz/ 50Hz</p> <p>Dimensions: 790X480X470mm</p>



SN	Items	Unit	Specification
68	Standalone paraffin dispensing module cold plate holding more than 100 cassettes	1 unit	Tenders Are Invited For Supply Storage, Installation, Testing, Commissioning And Handling Over Of Standalone Paraffin Dispensing Module Cold Plate ( Qty 1 Each ) At Phulo Jhano Medical College Dumka
69	Sthetoscope	1 unit	complete set required in pathology department
70	Surgical Instrument	1 unit	Operation Mode - Fully Automatic Differential Type 3-Part Chamber Type- Single Sample Mode -Whole Blood Method Light Scattering Application Hospital, Path Lab Power Source Electric Display Type Digital
71	Three part fully automated cell counter	1 unit	(Mercury based)
72	Urinometers calibrated (Mercury based)	1 unit	Any Branded
73	Vaccine carrier	1 unit	SS top
74	Water sampling Bottle from any depth	1 unit	
75	Revolving Stool for student	1 unit	
76	Mc Farland Dentistometer	1 Unit	Measurement range: 0.3 to 5.0 McFarland units (DEN-1), 0.00 to 6.00 McFarland units (DEN-1B) Measurement time: 1 second Precision: $\pm 3\%$ Standard deviation at 3.00 McF units: $\pm 0.1$ McF. User calibration option
77	Valley Ligasure	1 Unit	Macro / Bioplar 473 kHz sinusoid, 100% duty cycle, Seal 473kHz Pulsed
78	Ultrasonic Harmonic Scalpel	1 Unit	Dimensions 5.3" x 14.5" x 15.2", Volt- 100-240VAC Frequency 50/60 Hz Rated Current- 3 Amp
79	Laprosopic HD Camera	1 Unit	Resolution 1920x1200 Pixels, Cable length : 300 cm
80		1 Unit	Veress needle : It should be with spring action blunt style 12cm: 1no, 10cm: 1 no 8cm: 1no
81		1 Unit	Trocar and cannula : 10mm: 2nos, 7mm: 1 no, 5mm: 6nos. It should consist of trocar, cannula with insufflation and must be have pyramidal tip.
82		1 Unit	Reducer/reduction sleeve 5 mm: 1 No
83		1 Unit	Telescopes: 10 mm - 0 <sub>o</sub> - 1 no, -30 <sub>o</sub> - 1 No, 5mm - 30 <sub>o</sub> - 1 no, Rigid rod lens system provides good resolution and the better dept perception. It should have uniform image brightness and autoclavable, The 30 <sub>o</sub> forward oblique angle and permits for greater latitude for viewing underlying areas under difficult anatomical conditions
84		1 Unit	Suction Cannula : 10 mm - 1no, 5 mm - 1 no
85		1 Unit	Laparoscopic scissors : Curved ( Monopolar Metzenbaum dissector 5 mm diameter) : 1 No
86		1 Unit	Straight (Bioplar) : 1 no
87		1 Unit	Peritoneal scissor : 1 no
88		1 Unit	Unipolar forceps (Hook & spatula) : 2 nos
89		1 Unit	Biopolar Forceps : 2nos

Hand Instruments Laproscopy



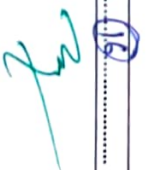
SN	Items	Unit	Specification
90	Hand Instruments Laproscopy	1 Unit	Atraumatic forceps : Maryland Dissector forceps: 2 nos, Fenestrated forceps : 2 Nos
91		1 Unit	Needle Holder (Flat jaw) with handle : 2 Nos
92		1 Unit	Monopolar cable (reusable) : 1 Nos
93		1 Unit	Bipolar cable (reusable) : 1 Nos
94		1 Unit	Allis (double row of teeth ) gasper : 1 Nos
95		1 Unit	Aspitation needle : 1 Nos
96		1 Unit	Grasping Forceps (toothed & ratchet 5mm): 1 Nos
97		1 Unit	Laparoscopic knot pusher : 1 No
98		1 Unit	Clip Applicator (reusable) : 5mm- : 1 Nos: 10mm : 1 Nos
99		1 Unit	Uterine Manipulator : 1 Nos
100	1 Unit	Clips (medium & Large )	
101	1 Unit	Drilling needle : 1 Nos	
102	1 Unit	Infiltration needle : 1 Nos	
103	1 Unit	Biopsy Forceps ( toothed punch biopsy) : 1 Nos	
104	1 Unit	Mynoma Fixation screw : 2 nos	
105	1 Unit	Tissue morcellator with base unit & accessroies: 1 Nos	
106	Mouth Mirror	1 Unit	(GDC ) Mouth Mirror Tops Plain Pack Of 12 Pcs - 5 (Mmtps5)
107	Dental Explorer	1 Unit	EXPLORER D/E EXDS (GDC ) This dental probe is used with its sharp point to enhance tactile sensation and to determine the presence of tooth decay on tooth enamel.This probe is double ended having one end tip like sickle and other end curved with a little hook.
108	Stainless steel maxillary arch bar	1 Unit	Orthotek / Pal surgicals
109	26 Gauze wire	1 Unit	Orthotek / Pal surgicals
110	Orthodontic cutter for IMF	1 Unit	GDC
111	Airrotor with LED Light	1 Unit	NSK
112	Endomotor with apex locator	1 Unit	NSK (Endomotors Brushless Endomotor with Superior performance. Speed Range 100- 40,000 rpm ( upto 2,00,000 rpm while using 1:5 handpiece) Endodontic Torque range 0.3 – 6.0 Ncm ( Max Torque 4.2 Ncm in general mode) 3 modes Regular , Endo & Reciprocating with 6 programs setting. Regular mode In this mode, handpieces with both 1:1 gear ratio & 1:5 gear ratio can be used. • When a 1:5 gear ratio handpiece is used, the speed can be increased up to 2,00,000 rpm. • When a 1:1 gear ratio handpiece is used, the speed range changes to 100 – 40,000 rpm. Endo mode In this mode, a handpiece with a 1:1 gear ratio can be used and the speed range is 100- 6,000rpm. Reciprocating mode In endo mode, torque can be adjusted, also Auto-reverse mode gets activated. Reciprocating mode: For this operation, a separate handpiece NIZ E with gear ratio 6:1 has to be connected. •The new NIZ Endo motor has a reciprocating function which allows working in the reciprocating mode (150-30))
113	Dental Burs (round, straight, taper, fissure)	1 Unit	Shofu

SN	Items	Unit	Specification
114	Autoanalyzer	1 Unit	Automation Grade Semi-Automatic Application In-Vitro Diagnostic Use Assays Clinical Chemistry Type Bench-top Programmable Test Memory >3000 Tests Programme Open Channel 45 nos Self Defined Open Channel 155 nos Aspiration Volume 300 ul Test Storage Capacity 1000 Screen Touch Screen
115	Hysteroscope	1 Unit	Mini-Hysteroscopes 3 mm (1.9 mm telescope) Rigid Hysteroscope For Gynecology pupose This rigid mini-hysteroscope with a 3 mm diameter and a single-flow sheath is ideal for office-based procedures. Where this rigid mini-hysteroscope is used cervical dilation and local anesthesia are usually not necessary. (Olympus)
116	Hysteroscope	1 Unit	Rigid Hysteroscopes 6.5 mm (4 mm telescope) Mini-Hysteroscope For Gynecology pupose This rigid hysteroscope with a 5 Fr working channel allows the performance of therapeutic hysteroscopy procedures. The 4 mm telescope and continuous-flow sheath ensure exceptional image quality, all in a hysteroscope with a diameter of just 6.5 mm (Olympus)
117	Turning Fork with base Heavy Quality	1 Unit	
118	Seige Seculam with 5 speculae, black finish with tubing , bellow and adaptor	1 Unit	
119	Gruber Aural Speculam set of 3 Chrome plated	1 Unit	
120	Gruber Aural Speculam set of 4 black finish	1 Unit	
121	Otoscope Heine German	1 Unit	
122	Otoscope Welsh Allyn	1 Unit	
123	Aural Syringe	1 Unit	
124	Ceruman Hook	1 Unit	
125	Foreign Body hook and Curette	1 Unit	
126	Eustachian Catheter	1 Unit	
127	Vectics with serrated end	1 Unit	
128	Tilleys Foreign Body Forceps	1 Unit	
129	Tilleys Forceps Ascom	1 Unit	
130	Maryngotomy Knife	1 Unit	

SN.	Items	Unit	Specification
131	Bulls eye Lamp	1 Unit	
132	Head Mirror	1 Unit	
133	Head Light LED Rechargeable Battery	1 Unit	
134	Laryngal Mirror	1 Unit	
135	Post Nasal Mirror	1 Unit	
136	Binocular Loop with 2.5X and 3.5X	1 Unit	
137	Handle for Mirror	1 Unit	
138	Tounge Depresser	1 Unit	
139	Thudicum Nasal Speculum set of 3	1 Unit	
140	Thudicum Nasal Speculum set of 4 Kalekar	1 Unit	
141	Nasal Dressing Forceps Bayonet Shaped	1 Unit	
142	Antrum Trocar and Cannula	1 Unit	
143	Higginson Syringe	1 Unit	
144	Side Knife	1 Unit	
145	Circular Knife	1 Unit	
146	Flag Knife	1 Unit	
147	Sicle & Flag knife Double ended	1 Unit	
148	Side & Circular knife Double ended	1 Unit	
149	House Curette Double Ended	1 Unit	
150	Elevator	1 Unit	
151	Pick straight/curved/right angled	1 Unit	
152	Fisch Perforator 0.3 mm to 0.8 mm	1 Unit	
153	Hand burr	1 Unit	
154	Piston Depth Guage	1 Unit	
	<b>Stapedectomy instruments</b>		
1	Piston cutting Jig	1 Unit	
2	Piston Autoclaving Box	1 Unit	
3	Teflon Pistons	1 Unit	
4	Piston Crimper	1 Unit	
5	Micro Ear Scissor Belluchi	1 Unit	
6	Operative Ear speculum set of 4 Black spotted or Plain	1 Unit	
7	Endural Retracter 2x2	1 Unit	
8	Endural Retracter Left/Right Plester	1 Unit	
9	Micro Suction Cannula 11G to 24G	1 Unit	
10	Micro Suction Cannula Adaptor	1 Unit	
11	Sillicone Suction Tube	1 Unit	
12	Cartilage Slicer	1 Unit	
	<b>TYMPOPLASTY/MASTOIDECTOMY INSTRUMENTS</b>	1 Unit	



SN	Items	Unit	Specification
1	B.P. Handle No 4	1 Unit	
2	Kinler Cataspaw Retractor	1 Unit	
3	Mollison Mastoid Retractor 3x3	1 Unit	
4	Mollison Mastoid Retractor 4x4	1 Unit	
5	Mahadevaiah Modified Mastoid Retractor left/right	1 Unit	
6	Jensen Retractor	1 Unit	
7	Periostal Retractor	1 Unit	
8	Jolls Retractor	1 Unit	
9	Micro suction canulla 11G to 24G	1 Unit	
10	Micro suction canulla Adaptor	1 Unit	
11	Micro suction canulla set of 4 with thumb grip	1 Unit	
12	Sickle Knife	1 Unit	
13	Circular Knife	1 Unit	
14	Flag Knife	1 Unit	
15	Sickle & Flag Knife Double ended	1 Unit	
16	MSK Straight Hand Piece FX65	1 Unit	
17	Straight Hand Piece micromotor with controlbox	1 Unit	
18	Chisel (Stainless Steel)	1 Unit	
19	Saw (Stainless Steel)	1 Unit	
20	Hammer 500 gm(Stainless Steel)	1 Unit	
21	Hammer 01 Kg(Stainless Steel)	1 Unit	
22	Hackshaw frame with Blade (Stainless Steel)	1 Unit	
23	Surgical Medical Enamel Coat Tray(2"X4")	1 Unit	
24	Sthetoscope (Diaphragm + Bell) Binocular Microscope	1 Unit	Specification attached in page no.....16.....



<u>Technical Specs for IPC Console , M5 Debrider/Handpiece</u>	
<u>IPC Console</u>	
1	Should have in built user-friendly interactive menu and illustrative help guide
2	The various parameters should be able to adjust either from touch screen panel or from the multifunction foot switch
3	Should be able to connect multiple hand pieces at a time like Debrider hand pieces (Up to 7500 RPM in Oscillating mode & 30000 RPM Forward mode), Otologic drills (Up to 80000 RPM), Stapedectomy Drill (up to 16000 RPM)
4	Console should recognize the various hand pieces and automatically adjust the settings accordingly
5	Should have two inbuilt pumps each for Irrigation (5Cc / Min to 100Cc / Min) and Cooling
6	Should have multifunction ergonomically designed foot control with light emission for easy identification
7	Should be able to control Speed / Mode, Forward / Reverse toggle, Active hand piece change from the Foot control itself
8	Should have emergency hand switch option to work without foot pedal in case of foot switch failure.
9	Should have option for remote control Irrigation to operate from sterile area
10	Should have in built scope Lens cleaning system.
11	Should have provision to connect facial nerve monitor with the Otologic drill.
12	Should have option to connect with Skeeter drill.
13	Should have option to connect Oscillating, Reciprocating and Sagittal Saws.
14	Should have clamps to fit in to IV pole for OT space management
15	Should be USFDA and CE approved.
<u>M5 Handpiece :</u>	
1	Able to work up to the speed of 30000 RPM in forward rotation and 7500RPM in oscillation mode.
2	Should have fingertip control for intraoperative blade tip rotation up to 360 deg.
3	Should have straight suction path to reduce clogging and allow efficient tissue removal.
4	Should have finer blade locking system to lock the blade tip rotation.
5	Should have integrated side grooves and cable clips to provide better tubing management.
6	Should have Titanium body to avoid rusting.
7	Should come with Zero, 12, 40,60,90 ,120-degree and laryngeal blades
8	Should be compatible with 30k burs for frontal sinus drilling

3

15	Should be USFDA and CE approved.
#	<u>MIR8 Otolary Drill</u>
1	Drill handpiece should be ergonomically designed and easy to hold while operating
2	Drill must be useful for lateral skull base as well as trans-nasal skull base procedures
3	The system should have electric motor which has maximum stall torque more than 42 mNm
4	Motor should run upto maximum speed of 75,000 RPM
5	Weight of the drill should not be more than 90 grams and length should be less than 11 cm with diameter not exceeding 1.70 cm
6	Handpiece should have quick release and lock system for tools and attachment
7	The handpiece should be provided with one straight and one angled attachment required for lateral skull base surgeries
8	The handpiece should be compatible with trans nasal skull base burs which should be directly attached to the motor
9	Drill must be provided with variety of cutting and diamond burs
10	Drill must have an option of variable length of straight and angled attachment
11	Must have option to connect irrigation tubing which can be programmed to provide intermittent or continuous irrigation.

Technical Specs for IPC Console MR8 Drill

IPC Console

- | #  |  |
|----|--|
| 1  | Should have in built user-friendly interactive menu and illustrative help guide  |
| 2  | The various parameters should be able to adjust either from touch screen panel or from the multifunction foot switch   |
| 3  | Should be able to connect multiple hand pieces at a time like Debrider hand pieces (Up to 7500 RPM in Oscillating mode & 30000 RPM in Forward mode), Otolologic drills (Up to 80000 RPM), Stapedectomy Drill (up to 16000 RPM) |
| 4  | Console should recognize the various hand pieces and automatically adjust the settings accordingly   |
| 5  | Should have two inbuilt pumps each for Irrigation (5Cc / Min to 100Cc / Min) and Cooling   |
| 6  | Should have multifunction ergonomically designed foot control with light emission for easy identification  |
| 7  | Should be able to control Speed / Mode, Forward / Reverse toggle, Active hand piece change from the Foot control itself  |
| 8  | Should have emergency hand switch option to work without foot pedal in case of foot switch failure.  |
| 9  | Should have option for remote control Irrigation to operate from sterile area  |
| 10 | Should have in built scope Lens cleaning system.   |
| 11 | Should have provision to connect facial nerve monitor with the Otolologic drill.   |
| 12 | Should have option to connect with Skeeter drill.  |
| 13 | Should have option to connect Oscillating, Reciprocating and Sagittal Saws.  |
| 14 | Should have clamps to fit in to IV pole for OT space management  |

## • Binocular Microscope Specification.

Optical System	UIS2 (Universal Infinity System) optical system	
Illumination System	Built-in transmitted illumination system, LED	Built-in transmitted illumination system, 6V 20W halogen bulb
Focusing	Stage height movement (coarse movement stroke: 20 mm) Fine focus graduation: 2.5 m	
Revolving Nosepiece	Fixed quadruple nosepiece	
Stage	Wire movement mechanical fixed stage: 120 x 132 mm Traveling range: 76 mm (X) x 30 mm (Y) Single specimen holder	
Observation Tube	30° inclined binocular tube Interpupillary distance adjustment range: 48–75 mm	
Condenser	Abbe type with aperture iris diaphragm N.A.: 1.25	
Objectives	Plan Achromatic objectives (anti-fungus) 4x N.A.: 0.10 W.D.: 18.5 mm 10x N.A.: 0.25 W.D.: 10.6 mm 40x N.A.: 0.65 W.D.: 0.6 mm 100xOil N.A.: 1.25 W.D.: 0.13 mm	
Eyepiece (10x)	Field Number (F.N.): 20 (anti-fungus)	
Optional Accessories	Mirror unit, 15x eyepiece (F.N. 12, anti-fungus), micrometer, filter holder, darkfield stop, Micro image projection system, Phase-contrast Attachment/10X, 40X, Simple Polarizing attachment	
Weight	Approx. 6 kg	
Rated Voltage/Electric Current	AC 100–240 V 50/60 Hz 0.4 A	AC 100–120/220–240 V 50/60 Hz 0.42/0.25 A
Power Consumption	1.7 W	18 W

*my*

*Ry*  
(Dr. P. K. Singh)

*[Signature]*

**H.O.D. (MICROBIOLOGY)**  
PHULO JHANO MEDICAL COLLEGE  
DUMKA



# SEMI AUTOMATED BIOCHEMISTRY ANALYZER

Version no. :	1
Date:	5/12/2014
Done by : (name/institution)	HCT/NHSRC

## NAME AND CODING

GMDN name	Semi automated biochemistry analyzer
GMDN code	NA

## GENERAL

### 1. USE

1.1	Clinical purpose	The Semi -automated Biochemistry Analyzer measures biochemical indexes by analyzing blood and other body fluid, then combines with other clinical information, to help diagnose disease, evaluate organs function.
1.2	Used by clinical department/ward	Pathology and diagnostic laboratory

## TECHNICAL

### 2. TECHNICAL CHARACTERISTICS

2.1	Technical characteristics (specific to this type of device)	<ol style="list-style-type: none"> <li>1. Analyzer should use wet chemistry reagent.</li> <li>2. Analyzer should have ability to use external cuvettes and integrated flow cell.</li> <li>3. Analyzer should have more than 200 programmable channels.</li> <li>4. Key board should be touch/mechanical.</li> <li>5. Analyzer should have 5 assay types: End point, Fixed time, Kinetic, absorbance and 1-point calibration with option for extended keyboard.</li> <li>6. Analyzer must have calibration types: Linear factor, multi point, point to point and Log-Logit.</li> <li>7. In kinetic assay measurement interval should be 1 second.</li> <li>8. 3 levels control with day to day levey jennings chart stored and displayed.</li> <li>9. Flow cell must be quartz.</li> <li>10. Flow cell must have optical path of 10mm.</li> <li>11. Flow cell volume should be less than 20 µL.</li> <li>12. Measurement range should be 25, 30, 37 degree celsius with 1 degree increment.</li> <li>13. Standard wavelengths in the range of 340-700.</li> <li>14. Analyzer must store 1000 results.</li> <li>15. Analyzer resolution must be 0.0001 absorbance unit and absorption range from 0.00-3.00 unit.</li> </ol>
2.2	User's interface	Manual
2.3	Software and/or standard of communication (where ever required)	NA

**3. PHYSICAL CHARACTERISTICS**

3.1	Dimensions (metric)	NA
3.2	Weight (lbs, kg)	NA
3.3	Configuration	NA
3.4	Noise (in dBA)	NA
3.5	Heat dissipation	Heat Dissipation: Should maintain nominal Temp and the heat should be disbursed through an cooling mechanism
3.6	Mobility, portability	Stationary lab Installation

**4. ENERGY SOURCE (electricity, UPS, solar, gas, water, CO<sub>2</sub> ....)**

4.1	Power Requirements	Recharging unit: Input voltage- 220V-240V AC, 50Hz
4.2	Battery operated	No
4.3	Tolerance (to variations, shutdowns)	±10%
4.4	Protection	NA
4.5	Power consumption	

**5. ACCESSORIES, SPARE PARTS, CONSUMABLES**

5.1	Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables/reagents (open, closed system)	<ol style="list-style-type: none"> <li>1. UPS for back up of system for half hour.</li> <li>2. Light source/Lamp-1 no.</li> <li>3. Open System</li> <li>4. Micro pipettes(5 No.) - 2 variable(5-50), (100-1000)</li> <li>5. Tips 500 - small and 500- big.</li> </ol>
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**BIDDING/PROCUREMENT TERMS/DONATION REQUIREMENTS**

**6. ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS**

6.1	Atmosphere/Ambiance (air conditioning, humidity, dust ...)	<ol style="list-style-type: none"> <li>1) Operating condition: Capable of operating continuously in ambient temperature of 10 to 40 deg C and relative humidity of 15 to 90% in ideal circumstances.</li> <li>2) Storage condition: Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%.</li> </ol>
6.2	User's care, Cleaning, Disinfection & Sterility issues	<ol style="list-style-type: none"> <li>1) Disinfection: Parts of the Device that are designed to come into contact with the patient or the operator should either be capable of easy disinfection or be protected by a single use/disposable cover.</li> <li>2) Sterilization not required.</li> </ol>

**7. STANDARDS AND SAFETY**

7.1	Certificates (pre-market, sanitary, ..); Performance and safety standards (specific to the device type);Local and/or international	<ol style="list-style-type: none"> <li>1. Should be FDA/CE/BIS approved product.</li> <li>2. Manufacturer and supplier should have ISO 13485/US (FDA)/EU(CE) certification for quality standards.</li> <li>3. Shall meet internationally recognised for Electromagnetic Compatibility (EMC) for electromedical equipment: 61326-1</li> <li>4. Certified to be compliant with IEC 61010-1, IEC 61010-2-281</li> </ol>
7.2	Local and/or international	Manufacturer/supplier should have ISO 13485 certificate for quality standard.

**8. TRAINING AND INSTALLATION**

8.1	Pre-installation requirements: nature, values, quality, tolerance	<ol style="list-style-type: none"> <li>1) Availability of 5 amp socket;</li> <li>2) Safety and operation check before handover;</li> </ol>
8.2	Requirements for sign-off	Certificate of calibration and inspection from the manufacturer
8.3	Training of staff (medical, paramedical, technicians)	<ol style="list-style-type: none"> <li>1) Training of users on operation and basic maintenance;</li> <li>2) Advanced maintenance tasks required shall be documented</li> </ol>

9. WARRANTY AND MAINTENANCE		
9.1	Warranty	3 years
9.2	Maintenance tasks	CMC 5 years 2 PM Visits Annually. All Breakdown calls to be attended within 24 hrs of registration.
9.3	Service contract clauses, including prices	The spare price list of all spares and accessories (including minor) required for maintenance and repairs in future after guarantee/warranty period should be attached;
10. DOCUMENTATION		
10.1	Operating manuals, service manuals, other manuals	Should provide 2 sets(hardcopy and soft-copy) of:- 1) User, technical and maintenance manuals to be supplied in english/hindi language along with machine diagrams; 2) List of equipment and procedures required for local calibration and routine maintenance; 3) Service and operation manuals (original and copy) to be provided; 4) Advanced maintenance tasks documentation; 5) Certificate of calibration and inspection
10.2	Other accompanying documents	List of important spares and accessories, with their part numbers and cost;
11. NOTES		
11.1	Service Support Contact details (Hierarchy Wise; including a toll free/landline number)	Contact details of manufacturer, supplier and local service agent to be provided; Any Contract (AMC/CMC/add-hoc) to be declared by the manufacturer;
11.2	Recommendations or warnings	Any warning signs would be adequately displayed

## List B (Chemical Items &amp; equipments)

Chemical Items & equipments		Unit
1	Acid H <sub>2</sub> SO <sub>4</sub>	per 500 ml
2	Adhesive silk Tape	per unit
3	Albumin (Brand- erba/accurex/tulip)	per kit
4	Alcohol based hand sanitizer	per unit
5	Alkaline Phosphate (Brand- erba/accurex/tulip)	per kit
6	Amikacin (Antibiotic Discs for Antibiotic susceptibility testing)	per ltr
7	Ammonium Hydroxide	per ltr
8	Ampicillin/Subactam (Antibiotic Discs for Antibiotic susceptibility testing)	per ltr
9	Anti B	10 ml
10	Anti D	10 ml
11	Antibiotic Zone scale (3no)	per unit
12	Antisera A	per unit
13	Antisera B	per unit
14	Antisera D	per unit
15	ASO Kit	per vial
16	ATTC Strain- E coil 25922	per vial
17	ATTC Strain- E coil 35218	per vial
18	ATTC Strain- Enterococcus faecalis 29213	per vial
19	ATTC Strain- Pseudomonas aeruginosa 27853	per vial
20	ATTC Strain- Staphylococcus aureus 25923	per vial
21	ATTC Strain- Staphylococcus aureus 29213	per vial
22	Azetroneam (Antibiotic Discs for Antibiotic susceptibility testing)	per unit
23	Azithromycin (Antibiotic Discs for Antibiotic susceptibility testing)	per unit
24	Bacteriological inoculation loop & Staright Wire	per pcs
25	Benzidine Powder	per 100 gm
26	Bile Esculin Agar (HIMEDIA)	per kit
27	Bilirubin (Direct & Total) (Brand- erba/accurex/tulip)	per kit
28	Bio hazard disposable bags and holders	per Unit
29	Bio medical waste bins	per Unit
30	Blood Agar Petri Plates	per Unit
31	Blood Lancets	per unit
32	Bone Cutter (Stainless Steel) Double Action 12 inch	per unit
33	Bone Cutter (Stainless Steel) Double Action 8 inch	per unit
34	Bone Cutter (Stainless Steel) Single Action 12 inch	per unit
35	Bone Cutter (Stainless Steel) Single Action 8 inch	per unit
36	Brain Dissecting Knife (The 12 Inch Brain Knife incorporates a high-quality Sheffield stainless steel double-honed blade with moulded handle and finger guard.)	per unit
37	Calcium (Brand- erba/accurex/tulip)	per unit
38	Cavity Slide	per pc
39	Cefepime (Antibiotic Discs for Antibiotic susceptibility testing)	per kit
40	Cefixime (Antibiotic Discs for Antibiotic susceptibility testing)	per kit
41	Cefotaxime (Antibiotic Discs for Antibiotic susceptibility testing)	per kit
42	Cefoxitin (Antibiotic Discs for Antibiotic susceptibility testing)	per kit
43	Ceftazidime/Clavulanic acid (Antibiotic Discs for Antibiotic susceptibility testing)	per kit
44	Ceftriaxone (Antibiotic Discs for Antibiotic susceptibility testing)	per kit
45	Cefuroxime (Antibiotic Discs for Antibiotic susceptibility testing)	per kit

Chemical Items & equipments		Unit
46	Chisel (Stainless Steel)	Per pc
47	Chloramphenicol (Antibiotic Discs for Antibiotic susceptibility testing)	per kit
48	Chocolate Agar Base (HIMEDIA)	per unit
49	Cholesterol Kit (CHOD method) (Brand- erba/accurex/tulip)	per kit
50	Cidex (glutaraldehyde)	per pc
51	Ciprofloxacin (Antibiotic Discs for Antibiotic susceptibility testing)	per kit
52	Clarithromycin (Antibiotic Discs for Antibiotic susceptibility testing)	per kit
53	Clindamycin (Antibiotic Discs for Antibiotic susceptibility testing)	per kit
54	Co- trimaxazole- Sulpha/Trimethoprim (Antibiotic Discs for Antibiotic susceptibility testing)	per kit
55	Colistin Sulphate (Antibiotic Discs for Antibiotic susceptibility testing)	per kit
56	Con. Acetic Acid	per 500 ml
57	Con. Hydrochloric Acid (500ml)	per 500 ml
58	Con. Nitric Acid	per 500 ml
59	Conc. HNO <sub>3</sub>	per 500 ml
60	Concentrated Hydrochloric Acid	per 500 ml
61	Conical flask short neck with wide mouth (10 ml)	per pc
62	Conical flask short neck with wide mouth (100 ml)	per pc
63	Conical flask short neck with wide mouth (1000 ml)	per pc
64	Conical flask short neck with wide mouth (20 ml)	per pc
65	Conical flask short neck with wide mouth (250 ml)	per pc
66	Conical flask short neck with wide mouth (5 ml)	per pc
67	Conical flask short neck with wide mouth (50 ml)	per pc
68	Conical flask short neck with wide mouth (500 ml)	per pc
69	Cotton 100gm	Per Roll
70	Cotton 50gm	Per Roll
71	Cotton Guage	per Than
72	Cotton rolls	Per Roll 400 gm
73	Cotton Swabs	per 100 pc
74	Cover Slip (Round & Square)	per pack
75	Creatine (Jaffe,s method) (Brand- erba/accurex/tulip)	per kit
76	CRP Kit	per kit
77	Culture Bottles	per pc
78	Dead body carrying bags	per pc
79	Dead body Covering cloth cotton	per pc
80	Dead body Covering sheet plastic	per pc
81	Dead body Tags	per pc
82	Dispsable surgical Gown	per pc
83	<u>Drug Delivery system</u> Meter Dose Inhaler Spacer Rotahler Nasal Spray Transdermal Patch Insulin Pen & Nebuliser	per set

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Chemical Items & equipments		Unit
84	Drug Dosage Formulations Amoxicillin+ Clavulnic Acid- Oral Rehydration salts- Artesunate + Mefloquin- Artesunate + Lumefantine- Artesunate + Sulfadoxine + Primethamine Levodopa + Carbidopa Iron + Folic Acid Piperacillin + Tazobactam- Budesonide + Formoterol Ibuprofen + Paracetamol Rabeprazole + Paracetamol	per set
85	Erythromycin (Antibiotic Discs for Antibiotic susceptibility testing)	per kit
86	Esbach's reagent	per liter
87	Ethanol Absolute	per unit
88	Face Shield	per pc
89	Filter Tips (1000 µl)	per box
90	Filter Tips (50 µl)	
91	Filter Tips 200 µl)	Kg
92	Follin,s Reagent	per lit
93	Gentamycin (Antibiotic Discs for Antibiotic susceptibility testing)	per ltr
94	Glass beakers (5Litre)	Pc
95	Glass beakers cylindrical shaped (50 ml)	Pc
96	Glass beakers cylindrical shaped (500 ml)	Pc
97	Glass beakers square shaped ( 250ml )	per pcs
98	Glass beakers square shaped ( 500ml)	per pcs
99	Glass beakers square shaped (1000 ml)	per pcs
100	Glass beakers square shaped (100ml)	per pcs
101	Glass beakers square shaped (50ml)	per pcs
102	Glass Bottle with Droppers 10 ml	per pcs
103	Glucose Kit (GOD-POD method) (Brand- erba/accurex/tulip)	per kit
104	Glutaraldehyde	per ltr
105	Glycerol	500 ml
106	Goggles ( for protection in eye splash)	per unit
107	Gram Crystal violet	per 125 ml
108	Grams Crystal Violet	per 100 gm
109	Grams Decolourizer (Acetone)	per 100 gm
110	Hackshaw Frame Blade (Stainless Steel)	Per Nos
111	Hammer 1 KG ( Stainless Steel) handle fitted	Per Nos
112	Hammer 500 gm ( Stainless Steel) handle fitted	Per Nos
113	HIMEDIA Hi Geno MB RNA Extraction Kit ( 1 batch= 96) fully Automatic	Per Kit
114	Histological Permanent Slides	per Slides
115	Histopathology/ snap top containers (plastic)	per unit
116	Hot Plate Magnetic Stirrer 1 ml	per unit
117	Hydrogen Per Oxide (500ml)	per 500 ml
118	Hypobromite	per gms
119	Hypochlorite 5%	per unit
120	Imipenem (Antibiotic Discs for Antibiotic susceptibility testing)	per Kit
121	India Ink Stain (500ml)	per 500 ml
122	Indole (HIMEDIA)	per unit
123	Inoculating loop Stand	per unit
124	Insulin vial & all types of Insulin	per unit

Chemical Items & equipments		Unit
125	Intracath IV Cannula	per unit
126	IV set	per unit
127	KOH	per 300 ml
128	KOH 10 %	per 100 ml
129	KOH 20 %	per 100 ml
130	Lab Polythene wash Bottle(500ml)	Per Pc
131	Lah (Scaling)	per unit
132	Leucoplast	Per Roll
133	Levofloxacin (Antibiotic Discs for Antibiotic susceptibility testing)	per Kit
134	Linezolid (Antibiotic Discs for Antibiotic susceptibility testing)	per Kit
135	Linezolid (Antibiotic Discs for Antibiotic susceptibility testing)	per Kit
136	Mac Conkey Agar Powder Form (HIMEDIA)	per Kit
137	Magnifying Lens	2" Dia Per Pc
138	Magnesium sulphate	per 100 gm
139	Malaria Test Kit	per Kit
140	Mannitol Salt Agar Powder Form (HIMEDIA)	Per unit
141	Marking cloth	Per sqr mtr
142	Meropenem (Antibiotic Discs for Antibiotic susceptibility testing)	per Kit
143	Meropenem (Antibiotic Discs for Antibiotic susceptibility testing)	per Kit
144	Micro tips (100µl)	per pkt
145	Micro tips (1000µl)	per pkt
146	Muller Hinton Agar Powder Form (HIMEDIA)	Per unit
147	N-95 Masks	per pc
148	Nalidixic Acid (Antibiotic Discs for Antibiotic susceptibility testing)	Per Kit
149	Needle Forceps (12 inc) SS Steel Branded	per pc
150	Nichrome Loop	per pc
151	Nichrome Loop Handle	per pc
152	Nichrome wire	per meter
153	Nitrofurantoin (Antibiotic Discs for Antibiotic susceptibility testing)	per kit
154	Norfloxacin (Antibiotic Discs for Antibiotic susceptibility testing)	per kit
155	Normal saline	Per Unit
156	Nutrient Agar Powder Form (HIMEDIA)	Per Unit
157	Nylon Rope	per kg
158	Oxidase Disc (HIMEDIA)	per disc
159	Pap-staining stain	per unit
160	Peptone Water (HIMEDIA)	per 500 ml
161	PH Strips	per pkt
162	Pheno Red Indicator (HIMEDIA)	Per Unit
163	Phenol Rod	Per Unit
164	Phenolphthalein indicator	125 ml Unit
165	Phenyl/Lysol 1Lit	per 500 ml
166	Phosphotungstic Acid	per 500 ml
167	Phosphorus kit	per kit
168	Piperacillin /Tazobactam (Antibiotic Discs for Antibiotic susceptibility testing)	per kit
169	Plastic Pipette	Per Pc
170	Plastic Tray (for medical students)	Per Pc
171	Potassium Acetate	per 100 gm
172	Potassium Hydroxide	per 100 ml
173	Potassium oxalate	Per 500 gm
174	Potassium permanganate	Per 500 gm
175	Potassium Acetate	Per 500 gm

Chemical Items & equipments		Unit
176	Pricking App	Per Unit
177	RA Kit	per Kit
178	Rectified Sprit	Per 500 ml
179	RPR Kit	per Kit
180	Rubber Gloves (Full Hand Heavy Duty)	Per Pair
181	Rubber Tourniquit	Per unit
182	Saffarine 0.1%	Per unit
183	Saffarine 0.4% W/V	Per unit
184	Sahli's Hemoglobinometer Set	Per set
185	Saw for Dissection (Stainless Steel)	Per Pc
186	Scalp vein set	Per set
187	SGOT Kit (Brand- erba/accurex/tulip)	per kit
188	SGPT Kit (Brand- erba/accurex/tulip)	per kit
189	Silver nitrate N/50	per 500 ml
190	Simmons Citerate Agar Powder Form (Himedia)	Per unit
191	Slide Box	per box 100
192	Slide Rack	per pc
193	Slide stand	per pc
194	Sodium Bi Carbonate solution	per 100 ml
195	Sodium carbonate	per 500 g
196	Sodium Fluroide	per 500 gm
197	Sodium hydroxide	per 500 gm
198	Sodium nitroprusside	per litre
199	Soyabean Powder	per 100 gm
200	Spirit (for Spirit Lamp)	per litre
201	Spirit Lamp	Per Unit
202	Stainless Steel Tray	Per Unit
203	Sterile Swab Thick	Per Unit
204	Sthetoscope (Diaphragm + Bell) Branded quality	Per Unit
205	Stirrer Rod	Per Unit
206	Storage Bottles (Glass) 500ml, 1 lit	Per Unit
207	Streptomycin (Antibiotic Discs for Antibiotic susceptiblity testing)	per Kit
208	Sulphur Powder	per 25 gm
209	Suppositories & Pessaries	Per Unit
210	Surgical Blades	Per Unit
211	Surgical Gown (Cloth)	Per Unit
212	Surgical Tray Medical (Stainless Steel) 24"x48"	Per Unit
213	Syringes 5 ml	per pc
214	Tassel	per pc
215	Test Tube	25x150 mm
216	Test Tube	15x125 mm
217	Test Tube	12x100mm
218	Test tube cleaning Brush	per pc
219	Test Tube holders	per pc
220	Test tube Rack for 50ml	per pc
221	Tetracycline(Antibiotic Discs for Antibiotic susceptiblity testing)	Per Kit
222	Thymol crystals	Per Unit
223	Thymol Tablets	Per Unit
224	Tissue Roll	Per Roll
225	Tooth Forcep (12 inc) Branded Quality	Per Unit
226	Tooth Forcep (8 inc) Branded Quality	Per Unit



Chemical Items & equipments		Unit
227	Tooth Prick	Per Unit
228	Torniquet	Per Unit
229	Total Protien (Biuret method) (Brand- erba/accurex/tulip)	per kit
230	Tri- sodium Citrate	Per 100 gm
231	Triglyceride Kit (Kinetic) (Brand- erba/accurex/tulip)	per kit
232	Trimethorpin (Antibiotic Discs for Antibiotic susceptiblity testing)	per kit
233	TSI Agar Powder Form (HIMEDIA)	Per Unit
234	Urea (Berthlot (orl) Urease method (Brand- erba/accurex/tulip)	per kit
235	Urea Agar Base Powder Form (Christen Sen) (HIMEDIA)	Per Unit
236	Urease Powder	Per 100 gm
237	Uric Acid kit (erba/ tulip/Accurex)	per kit
238	Urinometer	per pcs
239	Vacocycin (Antibiotic Discs for Antibiotic susceptiblity testing)	per kit
240	Vacutainer for (purple cap)	per pcs
241	Vacutainer for EDTA (Grey cap)	per pcs
242	Vacutainer for PT/APTT (blue cap)	per pcs
243	WBC Fluid	Per kit
244	WBC Pippette	Per Pc
245	Widal Kit	Per Kit
246	Wintrobe tube	Per Tube
247	Bunsen Burner	Per Unit
248	Bunsen Burner Pipe Junction with stand (four Mouth with mouth lock)	Per Unit
249	Articulated Human Bone Set. Durable Stand on Wheels Included Assebeled Human Articulated bone including skull, axial & appendicular bones. Joints should be wired by stainless steel/ good quality spring. Articulated bone set should be leveled/ marked for muscle attachment. ( Used for Medical Students & Medical Professionals ) must be imported quality	Per Set
250	Dis articulated Human Bone Set. (Original Finished ) desembeled Human dis artirticulated bone including individual bone of skull, individual bone of axial & individual bone of appendicular bones. ( Used for Medical Students & Medical Professionals )	Per set

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