TECHNICAL EVALUATION REPORT (SUMMARY)

1. Name of Procuring Agency: University of Health Sciences Lahore

2. Method of Procurement: Two Stage two Envelopes

3. Title of Procurement: Purchase of Laboratory Research Equipment under UHS Annual Budget Session 2018-2019

4. Tender Inquiry No: Pur/723 /UHS/2019

5. Date & Time of Bid Closing: 14-06-2019 at 11:00 AM6. Date & Time of Bid Opening 14-06-2019 at 11:30 AM

7. Nos. of Bids Received: 13

8. Criteria for Bid Evaluation: Technical Qualification

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			1	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	7	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>
S. No	Items	Specifications	Biosphere Marketing	Chemical House	H A Shah & Sons	Lab Services	Medinostic Health Care	Muslim Medical services	Rays Technologie s	S.U Enterprises	Scien Tech	Shazup Internationa	Sure Bio diognostics	The World Wide Scientific	Pakistan Hospital & Industrial lab.co
IMMUN	I OLOGY DEPARTMENT								A MARKATANAN						
1.	Gel-Documentation	Gel Documentation System consisting of UV Trans illuminator, White light conversion plate, Data acquisition and analysis software, compute and LaserJet printer, Ethidium Bromide filter in filter wheel along with dark cabinet. Key Features: Illumination viewing surface area 21cm x 21 cm, Transmitting wavelength 300nm Reflecting wavelength: 254-365 nm CCD Camera having pixel density 1280 x 1024 or better. Electronic shutter Standard computer interface Analysis Software: Gel Document Imaging System analysis software with operation interfaces, compatible with tif, jpg, bmp and gif.	Not Quoted	Quoted as per BOQs Qualified	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	not Quoted	not Quoted	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified
		Volume: 1000L Operating Temperatur 0°C to +7.2°C e:	Ouoted as						Quoted as	Quoted as		Quoted as	Quoted as		

	Refrigerator Frost Free	Shelves: Cabinet Lighting: Voltage Supply: LED 220-240 V 50/60 Hz	per BOQs Qualified	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	per BOQs Qualified	per BOQs Qualified	not Quoted	per BOQs Qualified	per BOQs Qualified	not Quoted	Not Quote
	(0.5-350ul)	Fully Autoclavable Range (0.5-350ul)	Quoted as per BOQs Qualified	Not Quoted	Quoted as per BOQs Qualified	Not Quoted	Not Quoted	Not Quoted	Quoted as per BOQs Qualified	not Quoted	not Quoted	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Not Quote
=MIC	AL PATHOLOGY DEPA	KIMENI	I	I	<u> </u>				I		Ι	1	1		
	Biomedical Refrigerator	adjustable range from -20 to -40°C or LED Display HC Refrigerant Having Defrost reduce operation Noise Lever (dB) 40 or better Power Supply(V/Hz) 220- 240/50Power(W) 275 Electrical Current(A) 2.9 Capacity(L/Cu.Ft) 278 or more /9.8 or larger Alarm for high/Low Temperature Remote Alarm High/Low Voltage adjustments Can detect the sensor Error Caster required Foot required Shelves 6 or more Have options for USB interface and Temperature recorder One Year Compressor Warranty	Quoted as per BOQs Qualified	Not Quoted	The company has quoted refrigerator of 1 to 11 C which does not meet our specification as we require - 20to -40 biomedical refrigerator Not qualified		Not Quoted	Not Quoted	per BOQs	Quoted as per BOQs Qualified	not Quoted		We need an	Quoted as per BOQs Qualified	Not Quote
											A STATE OF THE STA				

	Water Bath	Temperature accuracy at 37°C[°C] ±0.1	Quoted as per BOQs Qualified	Not Quoted	Quoted as per BOQs Qualified	Not Quoted	Not Quoted	Not Quoted	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	not Quoted	quoted as per BOQs Qualified	quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Not Quote
		Capacity 20 Liter Have Circulating pump Overheating protection should be present Temperature sensor Stainless steel body High temperature resistant and corrosion free lid made up of stainless steel													
MAN	GENETICS DEPARTME														
VIAIN		Thermoblock of at least 24 reaction vessels (or better) for 1.5 ml tubes.													
		Temperature settings of 4-100°C, temperature control range of 15°C below ambient to 100°C or better, temperature accuracy of ±0.5°C at 37°C or better.	Not Quoted	Not Quoted	Quoted as per BOQs Qualified	Not Quoted	Not Quoted	Not Quoted	Not Quoted	not Quoted	Quoted as per BOQs Qualified	Not Quoted	per BOQs	Quoted as per BOQs Qualified	as speed range is les than required
		Max. speed of 1400 rpm, mixing frequency of 300- 1400 rpm or better and mixing orbit diameter of 3mm or better.			Quanne				·		<i>Quanyica</i>		Quannea	Quannea	Not Qualified
		Origin: EU/UK/USA/Canada.													
		Features should include monochromator-based system for wavelength selection (step size 1 nm, bandwidth < 2.5-5 nm or better), spectral scanning and support for endpoint, kinetic and spectral assays.													
		Compatible with microplates 96 or 384 well format.		as wavelength range is less	as							as			
	Microplate	Wavelength range from 200nm up to 1000nm, OD range of 0-3 or better, linearity ≤ 2% or better and accuracy 1% at 0-2 OD or better, reading speeds of 15 seconds per 96 well plate or better.	Not Quoted	than required in BOQs. The quoted instrument is not	wavelength range is less and it is not	Not Quoted	Not Quoted	Not Quoted	Not Quoted	not Quoted	not Quoted	wavelength range is less than the	quoted as per BOQs Qualified	not Quoted	Quoted as per BOQs Qualified
		Dedicated software control for data collection, analysis and export.		latic I	Not qualified							Not Qualified			

		Capability of onboard incubation with temperature control and direct micro-volume quantification of DNA/RNA and protein will be a plus point. Quote PC support separately. Origin: EU/UK/USA/Canada.	8	Not qualified											
		Features should include full amplitude control (amplitude intensity control from 1-100%), auto tuning, programmability, high reproducibility and selection choice for probe size according to volume processing requirements.												as no information available about compatiblity with different sample vials	
8.		Power at least 200 Watts or better, volume processing range of 0.2-1000 ml, adjustable pulse on/off, compatible with different sample vials especially Eppendorf tubes.	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	per BOQs		not Quoted	Not Quoted	Not Quoted	especially Eppendorf tubes. Ability proceed multiple samples by	Not Quoted
		Touch screen controls and ability to proceed multiple samples by indirect sonication will be a plus.							Qualified	Qualified				not quoted. Selection choice for probe size according to volume processing requirements	
AHS AI	ND ORAL PATHOLOGY I	Origin: EU/UK/USA/Canada.												is not available. Not Qualified	
Alio Al		T T													
		BioRad/ Eppendorf/ equivalent Technology: Gradient with a range of 30-100°C													
		 Gradient efficacy: ±0.5⁰C of set temperature 										Gradient			

9. Thermal cycler	 Gradient range at one time: ≥8 temperature ranges Temperature range:4-100 °C/sec Sample Capacity: 96-well plate, 96 x 0.2 ml tubes, 0.2 ml tube strips Maximum ramp rate: 4 °C/sec Average ramp rate: 2.5 °C/sec Display: Color Touch Screen USB Port: At-least 01 Origin: USA/EU/UK 2KVA UPS 	UPS	Quoted as per BOQs Qualified	As only three gradients temperature can be set at a time. 8 possible temperature setting is required at a time Not Qualified	Not Quoted	Not Quoted	Not Quoted	Due to absence of UPS Not Qualified	Quoted as per BOQs Qualified	not Quoted	Range 35- 100°C, we asked for 30 100°C • Origin China as written on website, we asked for EU/USA/UK Not Qualified	Origin China and UPS not available		Not Quoted
0. Orbital Shaker ARMACOLOGY DEPARTME	 Min. Platform size:250 x 250 mm Accessories included: rubber mat Angle: 5°/10° Origin: USA/EU/UK 	wave plateform not available Not qualified	Not Quoted	 Due to absence of wave rotation, Rpm are much more higher than required Not Qualified 	Not Quoted	Not Quoted	Not Quoted	Not Quoted	wave rotation, • Rpm are much more higher than required Not	 Due to absence of wave rotation, Rpm are much more higher than required Not Qualified 	Not Quoted	quoted as per BOQs Qualified	 Due to absence of wave rotation, Rpm are much more higher than required Not Qualified 	 Due to absence of wave rotation Rpm are much more higher than required Not Qualified

11.	Automatic shoe cover dispenser	 Capacity of shoe cover: 1000pcs Design useful life: 300,000 times Operating voltage: 220V ±5% or 110±5%, Film delivering time: 3-5s Film shaping time: 2-3s Material of outer case: ABS Gross weight: 27 Kg 	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted			
12.	Automatic Sensor Soap & Hand Sanitizer Dispenser		Not Quoted	Not Quoted	Not Quoted	not Quoted	Not Quoted			
13.	Modular Flaker Ice Machines	 Capacity 350 pounds ice flakes/ 24 hours Energy: 220 Volts Legs: adjustable Features: Steady flow of ice, low energy and water consumption, air cooled condenser, water line with a shut off valve, floor drain, the front side serviceable. The three-piece cabinet is easily removable from the front, of durable, rust-free roto cast plastic. Origin US/EU. As per sample picture. 	Not Quoted	per BOQs	per BOQs	Quoted as per BOQs Qualified	Not Quoted	Not Quoted	Quoted as per BOQs Qualified	Not Quoted

14.	Cell Freezing Container		Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	not Quoted	not Quoted	Not Quoted	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified
		Compartments: minimum 18													
15.	Cryogenic Gloves	As per sample picture.	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Quoted as per BOQs	not Quoted	Not Quoted	Quoted as per BOQs	Quoted as per BOQs	Quoted as per BOQs
										Qualified			Qualified	Qualified	Qualified
16.	CO ₂ Cylinder	With Regulators	Quoted as per BOQs Qualified	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	not Quoted	Not Quoted
17.	Hot Plate Analgesia Meter	 Surface Temperature Range: 30°C to 79.9°C precisely controlled to within 0.25°C across the plate Built-in Digital Thermometer Built-in Digital Timer RS-232 transfer of data Start/Stop foot switch control Extra thick (3/4") anodized aluminum plate provides a very stable and even temperature Size of Heated Surface: 10" x 10" x 0.75" (254mm x 254mm x 19mm) Temperature Range: 30° to 79.9° centigrade Temperature Accuracy: ± 0.1°C Surface material: Hard Black Anodized Aluminum Accuracy of Timer: 0.1 seconds 	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted
18.	Western Blot Assembly	 3 parts (Power assembly, Electrophoresis Chamber, Blotter, Nitrocellulose Membranes roll x2) 	Not Quoted	Quoted as per BOQs Qualified	Not Quoted	not Quoted	Not Quoted	Not Quoted	per BOQs	Quoted as per BOQs Qualified					

		 Subject weight range: upto 60g- mouse drum, upto 350/400g- rat drum Base unit dimensions mm (inch) (WxDxH): 362x 240x 375 (14.25x 9.45x 14.75) Total height mm (inch): 400 (15.75) 													
19.	Constant Speed 4 Lane Rota-Rod Treadmills for Rats	 Lane width mm (inch): 50 (2)- mouse drum, 75 (3)- rat drum Drum diameter mm (inch): 250 (9.8) Rod diameter mm (inch): 30 (1)- mouse drum; 60 (2)- rat drum Extra hood height mm (inch): 130 (5) 		Not Quoted	Quoted as per BOQs Qualified	not Quoted									
		 Constant speeds: 4- 40 RPM Acceleration rate: 30 seconds to 10 minutes with 1 sec increments Material composition: methacrylate arnite (lanes) 			-										
20.	Lab Timers	98:56 iš	Quoted as per BOQs Qualified	Not Quoted	not Quoted	Not Quoted	Not Quoted	not Quoted	Not Quoted						

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21.	Arctiko-Denmark -80°C Only Door lock and Gasket of Freezer needed.	The freezer is already installed in the pharmacology laboratory. Gasket and door lock needs replacement.	Not Quoted	Not Quoted	Quoted as per BOQs Qualified	not Quoted	Not Quoted	Not Quoted	not Quoted	Not Quoted					
22.	Sonicater Probe only or Fischer Scientific 220A	The sonicater probe needs replacement	Not Quoted	Not Quoted	not Quoted	not Quoted	Not Quoted	Not Quoted	not Quoted	Not Quoted					
23.	Glassware washer	Adjustable temp, min water consumtion,220 v, dryer enabled	Not Quoted	Not Quoted	not Quoted	not Quoted	Not Quoted	Not Quoted	not Quoted	Not Quoted					
24.	Desiccator with plates	• Nalgene 246 mm, 4/case, cabinet type, 18x12x12"	Not Quoted	Not Quoted	Quoted as per BOQs Qualified	not Quoted	Not Quoted	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified					
		Speed 1400 RPM,								Qualified			Quannea	Quannea	Quanjieu
25.	Speed Vac Concentrator	 Integrated diaphragm vacuum pump, Capacity: 300 ml,70x1.5 ml, 2xMTP/Pcr & 6x15/50 ml, 4 heating levels for optimized drying spee, Desiccator mode 	Not Quoted	Quoted as per BOQs Qualified	Not Quoted	not Quoted	not Quoted	Not Quoted	Not Quoted	not Quoted	Quoted as per BOQs Qualified				
		 Cytometer Performance: Counts cells or particles between 8 and 25µm. Dilution range for operation: (10,000- 													
		 500,000 cells/mL). A sample size of 100µl is recommended. The cell counter's screen should display: 													

		Cell concentration		1											I	
		Average cell size														
		Average cell volume														
		Histogram of size or volume distribution														
		• Dimensions: (WxDxH) 22 x 21 x 9 cm (8.6 x 8.3 x 3.5 in)														
		Applications: Cell culture, cell counting, cell viability, quality control						,								
		• Concentration: 1 x 10 ⁴ to 1 x 10 ⁷ cell/mL (optimal: 5 x 10 ⁴ to 1 x10 ⁷ cell/mL)														
26.	Automated Cell Counter/Scepture	Detection: Automated microscopy	Not Quoted	Quoted as per BOQs Qualified	Not Quoted	Quoted as per BOQs										
		Method: Automated image-based cell detection (dye exclusion)		Quantieu											Qualified	
		Sample Type: Cell lines														
		Type: Automated cell counter														
		 Electrical Requirements: 100 to 240 VAC, 50/60 Hz, 1.5 A 														
		 Cell Size Range: 5 to 60 μm 														
		Analysis Time: 7 s														
		Viability Range Inqure														
		• Operating Range: 5X10 ⁴ ~ 1X10 ⁷ cells/ml														
		Resolution: 800 X 480 pixels														
		• Sample Volume: 10 μL														

		 Interface7 in. capacitive touchscreen, 800 X 480 pixels Weight: 1.2 kg (2.6 lb) 												
		Speed range: 8- 40 RPM												
		• Motion: ± 7.5° tilting												
		Platform dimensions (Wx D): 29x 27 cm												
0.7	De lies Di (Cere	Platform clearance: 9 cm	Nat Overtal	Nat Overtad	Nat Oustan	Nat Ouatad	Nat Overted	Quoted as per BOQs	Nat Oustad	Nat Oustad		Quoted as per BOQs	Not Ousted	
27.	Rocking Platform	 Dimensions with double platform (Wx Dx H): 29x 21x 25 cm 	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Qualified	Not Quoted	Not Quoted	Qualified	Qualified	Not Quoted	
		• Maximum load: 10 lb. (4.5Kg)												
		• Temperature range 4-80° C												
		Regulatory certification: CE compliant												*
		10000000												

28.	Wall Desk Drying Rack	inch (120mm), with hole in the tray for drainage, supplied with 30 inch (760mm) of vinyl tubing. Rack dimensions: 22 inch (550mm) high x 16 inch (400mm) wide. Supplied complete with wall mounting bracket.	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Quoted as per BOQs Qualified	Not Quoted						
PHARM	IACOLOGY/ ORAL BIOL	Internal dimensions (WxDxH):													
29.	PCR work Station	 vertical laminar flow air No ductwork required UV shelf with built-in pipettor holder Lab event timer Clear polycarbonate shell for 360° visibility UV and fluorescent lights 	Not Quoted	Quoted as per BOQs Qualified	Not Quoted	Quoted as per BOQs Qualified	per BOQs	per BOQs	Quoted as per BOQs Qualified	Not Quoted					
		Vortex-Genie 220VMultiple Sample Head Starter Set							0	0	0		0	0	

30.	Vortex mixer	 Large Sample Head, for beakers and Flask Replacement pop-off Cup head for vortex Rubber cover for 3 in head 	Quoted as per BOQs Qualified	Not Quoted	Quotea as per BOQs Qualified	Quotea as per BOQs Qualified	Quotea as per BOQs Qualified	Not Quoted	Quotea as per BOQs Qualified	Quoted as per BOQs Qualified	Not Quoted				
MICRO	DBIOLOGY DEPARTMENT														
31.	Microscopes	Optical system: Should be infinity Optical System Eye piece: with diaptor ring, pair of 10x magnification, Adjustable Interpupilary distance, Eye point height adjustment Nose Piece: Revolving, Quadruple, Objective: Antifungal coated, Spring loaded, Plan achromat, 4x, 10x, 40x, 100x (0il immersion) Stage: Mechanical stage with specimen holder Focusing: Coaxial Coarse focusing, fine focusing control on both sides, Focus Lock Condenser: Abbe type Power source: LED, Light intensity adjustable with Koehler Illumination Complete Standard Set	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted		Quoted as per BOQs Qualified	Not Quoted	Not quoted as per BOQs The microscopes quoted does not have Kohler illumination system Not Qualified	Not Quoted		Not quoted as per BOQs The microscopes quoted does not have Kohler illumination system Not Qualified	Not Quoted
32.	Microwave Oven	30-40 Liter Capacity, clear glass front door	Quoted as per BOQs Qualified	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted					
34.	Water distillation system	All glass Borosilicate Glass fitted with metal element 3 KW capacity 4 Litre per hour, conductivity 4 µs/cm, PH 5.5 to 6.5, wall mounted stand, run on single phase 220V,	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	per BOQs	per BOQs	Quoted as per BOQs Qualified	Not Quoted	Not Quoted	Quoted as per BOQs Qualified	Not Quoted

MICR 38.	Air Conditionoro	1.5 ton, 16000 BTU split AC (quantity 02) 2 ton (quantity 01) Cooling Rated Capacity 7000) W Cooling Rated Power Consumption : 2020 (730-2600) W Cooling Running Current :8.8 (3.4-11.4) A	Quoted as per BOQs	Not Quoted	Not Quoted	Not Quoted	Not Quotod	Not Queted	Not Quetod	Not Quoted	Not Queted	Not Quetad	Not Queted	Not Ougted	Not Custs d
37.	Adjustable Micropippete	1-10 μl, fully autoclavable	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted		Quoted as per BOQs Qualified	Not quoted as per BOQs The pippetes quoted are not autoclavable Not Qualified	Quoted as per BOQs	Not Quoted	Quoted as per BOQs Qualified	per BOQs	Quoted as per BOQs Qualified
36.	Adjustable Micropippete	10-100 μl, fully autoclavable	Quoted as per BOQs Qualified	Not Quoted	Quoted as per BOQs Qualified	autoclavable	Quoted as per BOQs	Not Quoted	per BOQs	per BOQs	Quoted as per BOQs Qualified				
35.	Adjustable Micropippete	100-1000µl, fully autoclavable	Quoted as per BOQs Qualified	Not Quoted	Quoted as per BOQs Qualified	not autoclavable	Quoted as per BOQs	Not Quoted	Quoted as per BOQs Qualified	per BOQs	Quoted as per BOQs Qualified				

		Heating Rated Capacity 7200) W Heating Rated Power Consumption :2020 (800-2700) W Heating Running Current :8.8 (3.6-11.8) Low Voltage Operation :Yes	Qualified												
ORAL	PATHOLOGY/ORAL BIO	LOGY/HISTOPATHOLOGY DEPARTMENTS	_												
39.	15 ml Centrifuge machine with UPS	Should be high accuracy of speed, RPM or G force can be set and displayed, Operation can be timed from 10 seconds to 99 minutes or continuous running, quick spins are possible by pressing and holding PULSE key. Maximum speed 300-6000rpm, 100 rpm increments, rotor capacity should be 8 x 15ml centrifuge tubes, Maximum RCF 2490×g, Run Time 10 secs to 99 mins Timer OR Continuous Operation, dimensions (L) 11.0 × (W) 10 × (H) 5.5 inches with 1 KVA UPS	per BOQs	Not Quoted	quoted as per BOQs Qualified	Not Quoted	not Quoted	not Quoted	quoted as per BOQs Qualified	quoted as per BOQs Qualified	not Quoted	quoted as per BOQs Qualified	quoted as per BOQs Qualified	quoted as per BOQs Qualified	not Quoted
40.	Diagon with LIDC	Microcentrifuge should be 24-places with 24x.5/2.0 ml rotor capacity, maximum speed 15000rpm (100-15000 rpm, Maximum RCF 21380xg, increments 10xg, Speed Accuracy (rpm) should be ±20 rpm, run time 10 sec-99 min Hold (continuous operation), brushless DC motor, should be Dual door interlock, over-speed detection, over temperature detection, automatic internal diagnosis.	Qualifiea	Not Quoted	quoted as per BOQs Qualified	Not Quoted	Not Quoted		as per	per BOQs	quoted as per BOQs Qualified				

41.	Digital Weighing Balance Machine	Should be 7 weighing units (g, ct, ozt, oz, GN, dwt, lb), counting (reference number 1/10/20/50/100), tare function over 100% of the capacity, automatic calibration, spirit level, height adjustable feet and integral weighing below hook. Capacity should be 1000 g, readout d 0.1 mg, reproducibility 2 d, linearity (g), ±3 d, tare range 500 g, calibration weight 200 g, weighting plate Φ 80 mm, minimum weight 10 d, stabilization time <4 s, operating temperature 20°C ± 2°C, humidity 45~60% R.H, interface RS232, dimension (WxLxH) 220x360x345 mm and power supply 230 V.	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	quoted as per BOQs Qualified	quoted as per BOQs Qualified	Not Quoted	Not Quoted	Not Quoted	Not Quoted
42	Range 0.1-2.5 ul, 2-20 ul, 20-200 ul, 100-1000	Should be Easy operation for right- and left-handed users, low pipetting forces, highly durable shaft, UV resistant, recalibration system, autoclavable. 0.1 to 2.5 µl , 2 to 20µl, 20 to 200µl, 100 to 1000µl.	Quoted as per BOQs Qualified	Not Quoted	Quoted as per BOQs Qualified	Not Quoted	Not Quoted	not Quoted	quoted 0.2 - 2µL pipette which is not as per required specification therefore, Not	2μL pipette which is not as per required	per BOQs	1	Not quoted Vender has quoted 0.2 - 2µL pipette which is not as per required specification therefore, Not qualified	Quoted as per BOQs Qualified	Vender has quoted 0.2 - 2µL pipette which is not as per required specification therefore, Not qualified

43.	Nanodrop machine with PC system & UPS	intelligence technology to ensure measurement integrity, minimum sample volume 0.5 µL, software should be built-In, on-board, limit of detection dsDNA 2.0 ng/µL, maximum Conc. dsDNA 27,500 ng/µL, measurement time 8 seconds, measurement repeatability 0.002 A, wavelength range190–850 nm, wavelength accuracy ±1 nm, photometric range 0–550 A, photometric accuracy: 3% at 0.97 A, 302 nm spectral bandwidth ≤1.8 nm (FWHM at Hg 254 nm), pathlength 0.030 to 1.0 mm autoranging, light source Xenon flash lamp, detector 2048-element CMOS linear image sensoroperating system "Android™"/equivaler CPU Quad Core ARM® Cortex™-A9 Processor/equivalent, display 7-inch, 1280 × 800 high-definition color display. Should be touch screen multipoint capacitive touch, gesture recognition single point, single point hold, swipe and pinch, internal storage 32 GB flash memory, audio built-in speaker, connectivity USB-A ports, Ethernet and Bluetooth and certifications. Applications should be Nucleic Acid A260, A260/A280, A260/A230, Labeled Nucleic Acids; Protein A280 and A205, Protein Pierce 660, Protein Bradford, Protein BCA, Protein Lowry, Labeled Proteins, OD600, Kinetics, UV-Vis, and Custom Methods with 1 KVA LIPS	Not Quoted	Not Quoted	Not Quoted	Quoted as per BOQs Qualified	Not Quoted	Not Quoted	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Not Quoted	Quoted as per BOQs Qualified	quoted as per BOQs Qualified	Not Quoted	Not Quoted
44.	Dry heat bath/Heat block (with Blocks)	Temperature regulation range should be +20°C-+125°C, temperature uniformity over the platform, Block Capacity 24x2 or 1.5 ml; 15x0.5 ml, 10x0.2 ml microtubes.	Nat Overtal		Vender quoted Thermal Mixer whereas dry heat blocker was required Not qualified		not Quoted	Not Quoted	Vender quoted Block Capacity 1, which is not as per required specification Not qualified	Not Quoted	Quoted as per BOQs Qualified		per BOQs	Quoted as per BOQs Qualified	Vender quoted Block Capacity 1, which is not as per required specification Not qualified

45.	PCR work station with moveable bench	Minimum external Size (WxDxH) 1000x750x1950 mm, exhaust airflow volume 500 600 m³/h, material main body stainless steel, material work table stainless steel. Standard accessories should be spotlight; UV lamp; fluorescent lamp, exhaust system.	Not Quoted	Not Quoted	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Not Quoted	Quoted as per BOQs Qualified	Not Quoted						
46.	Microscope camera with software & PC system	Image Sensor: Color CMOS/equivalent, Sensor Type: MT9T001P12STC/equivalent, Sensor Size: 1/2 inch (6.55 mm x 4.92 mm), Resolution (max.): 2.048 x 1.532 pixels, Pixel Size:3.2 x 3.2 µm, Binning 2X, 3X, 4X, A/D Converter (Bit Depth) 10-bit, Exposure Time: From 57 µs to 750 msec, Live Frame Rates: 10 fps at 2,048 x 1,532 pixels (@ full resolution) 28 fps at 1,024 x 768 pixels (@ binning 2X) 37 fps at 680 x 512 pixels (@ binning 3X) 49 fps at 508 x 384 pixels (@ binning 4X).	Not Quoted	Quoted as per BOQs Qualified	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted					
ANAT	OMY DEPARTMENT	0-4	Γ												
47.	Safety Hood	Category: Class II Dimension: 4ft x 3ft x 7 ft	Not Quoted	per the required specification s	are not as per the required specification s	per the required specification s <i>Not</i>	are not as per the required specification s Not	per the required specification s <i>Not</i>	are not as per the required	not Quoted					
		1-Model of human embryo fecundation, cleavage and blastocyst formation													

48.		2- Model of digestion, respiration, urogenital and coelomic arises (5parts) 3- Model of heart development (12 pcs) 4-Model of oral, nasal and oral nasal cavity (3 parts) 5- Model of facial development (5 parts) 6- Model of lumbosacral vertebrae with pelvis 7- The dissection model of brain natural size (8 parts) 8- Model of brain and cerebral arteries natural size 9- Model of brain, cerebral arteries and functional position with brain mantle (8 parts) 10- Model of brain stem and hypothalamus nucleus corps		Not Quoted	Not Quoted	Not Quoted	Quoted Models are not as per our requirement s Not Qualified	not Quoted	not Quoted	not Quoted	not Quoted	Not Quoted	Not Quoted	not Quoted	not Quoted
49.		Olympus SC50 5 megapixels With software	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Quoted as per BOQs Qualified	not Quoted					
50.	Metallic moulds for paraffin Embedding	Shallow and deep	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	not Quoted	Not Quoted	Not Quoted	not Quoted	Not Quoted
51.	Slide staining tray & Bar rack	Plastic	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	not Quoted	Not Quoted	Not Quoted	not Quoted	Not Quoted
52.	Needle Cutter	Stainless steel cutter with Biohazard label	quoted as per BOQs <i>Qualified</i>	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted

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53.	Digital Stop Watch	Q&Q/ Casio	quoted as per BOQs Qualified	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted				
54.	Stethoscope	Littman, Dual head, Classic III, black/brown	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	not Quoted	Not Quoted
55.	BP Apparatus mercury with Stand	Certeza/ Omron	quoted as per BOQs	Not Quoted	Not Quoted	Not Quoted	Not Quoted	quoted as per BOQs	Not Quoted						
56.	Dry Ice Transport Cooler	Small Size polar Tech	Qualified Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Qualified Not Quoted	Not Quoted						
57.	Slides Rack Stand	PVC/Plastic or Acrylic	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	not Quoted	not Quoted	Not Quoted	Not Quoted	not Quoted	Not Quoted
58.	LED for Histology teaching	4K, UHD 49``	quoted as per BOQs Qualified	Not Quoted	Not Quoted	not Quoted	not Quoted	Not Quoted	Not Quoted	not Quoted	Not Quoted				
59.	Polystyrene Tray Lab Drawer Organizer	Material polystyrene	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	not Quoted	not Quoted	Not Quoted	Not Quoted	not Quoted	Not Quoted
60.	Disposable weighing dishes	Small	Sizes not mentioned, we required small size (?)10 pieces quoted (Required 5 packs) (?) Not Qualified	Not Quoted	Not Quoted	not Quoted	not Quoted	Not Quoted	Not Quoted	not Quoted	Not Quoted				
61.	Slide Trays for 40 slide	Material PVC													
62.	Inserts for funnels, beakers and lab Glass- wares	Material Plastic Dimension 1.5 ft x 3ft	Not Quoted	Not Quoted	Not Quoted	Not Quoted	not Quoted	not Quoted	Not Quoted	not Quoted	not Quoted	Not Quoted	Not Quoted	not Quoted	not Quoted
63.	Animal Ear Tag Punch	Plier/punch for small animals/ rodents	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	not Quoted	Not Quoted	Not Quoted	Not Quoted	not Quoted
64.	Radiology x-ray Illuminator	Standard size clinical use	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	not Quoted	Not Quoted	Not Quoted	Not Quoted	not Quoted
65.	Tool Box	Pliers and screw driver set	Not Quoted	Not Quoted	Not Quoted	Not Quoted	not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	not Quoted

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66.	Heavy duty Extension Leads	Chemillion / Black & Decker	Not Quoted	Not Quoted	Not Quoted	Not Quoted	not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	not Quoted
67.	Microscope Micrometers set	USA made	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	not Quoted
68.	Micrometer Digital (Screw gauge)	USA made	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	not Quoted
69.	Measuring Cylinder plastic	100ml, 500ml, 1000ml	quoted as per BOQs Qualified	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted
70.	Air Monitor for Formaldehyde & Organic Compounds	HCOH & TVOC both	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	not Quoted
71.	Camel Hair Brush for Microtomy	5 small and 5 large for microtomy - Local	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	not Quoted	not Quoted	Not Quoted	Not Quoted	not Quoted	Not Quoted
HAEMA	TOLOGY, FORENSIC SC	IENCES AND IMMUNOLOGY DEPARTMENT													
		Fully Autoclavable													
		➢ Ranges Required (Volume in μL):													
		• 0.2-2 (quantity 01)													
		• 0.5-10 (quantity 02)													
		• 10 – 100 (quantity 04)												-	
		• 100 – 1000 (quantity 05)													
72.	Micropipettes	➤ 1 channel Micropipette use with standard tips (quantity 02)	quoted as per BOQs Qualified		quoted as per BOQs	Not Quoted	Not Quoted	Not Quoted			per BOQs	per BOQs	per BOQs	per BOQs	quoted as per BOQs Qualified

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HAEMATOLOGY DEPARTMENT Supply system Includes; > Electrophoretic Chamber > Semi-mon Applicator for 6 samples > Small Bridges for vet strips > Large Bridge for dry strips > Large Bridge for dry strips > Supporting Power Supply > Densitometry Software CD with security key > Supporting Usplop compatible with software > Supporting Somers > Supporting Vets > Chibit Shaker with adjustable speed > Bellifeting dry strips a pables > Please Containers for stabiling, de-steining and dearing > Reagent leaf for numing 150 samples against Henroglobins and Proteins	
HAEMATOLOGY DEPARTMENT Supply system Includes; > Electrophoretic Chamber > Semi-mon Applicator for 6 samples > Small Bridges for vet strips > Large Bridge for dry strips > Large Bridge for dry strips > Supporting Power Supply > Densitometry Software CD with security key > Supporting Usplop compatible with software > Supporting Somers > Supporting Vets > Chibit Shaker with adjustable speed > Bellifeting dry strips a pables > Please Containers for stabiling, de-steining and dearing > Reagent leaf for numing 150 samples against Henroglobins and Proteins	
HAEMATOLOGY DEPARTMENT Supply system Includes; > Electrophorete Chamber > Seri-micro Applicator for 6 samples > Small Bridges for wet strips > Large Bridge for dry strips > Supporting Power Supply > Densitometry Schlware CD with security key > Supporting Justop competible with software > Supporting Schlware > Supporting Justop competible with software or Supporting Justop Competible Supporting Justop Competible Supporting Justop Support	
Supply system includes; > Electrophoretic Chamber > Semi-inicro Applicator for 6 samples > Small Bridges for wet strips > Large Bridge for dry strips > Supporting Power Supply > Denstrometry Software CD with security key > Supporting Laplop compatible with software > Supporting Printer > Supporting Scanner > Supporting Ust Shaker with adjustable speed > Suffering dry strips / plates > Pitastic Containers for staining, de-staining and clearing > Reagent set for running 150 samples against Hemoglobins and Prolains	
Supply system includes; > Electrophoretic Chamber > Semi-inicro Applicator for 6 samples > Small Bridges for wet strips > Large Bridge for dry strips > Supporting Power Supply > Denstrometry Software CD with security key > Supporting Laplop compatible with software > Supporting Printer > Supporting Scanner > Supporting Ust Shaker with adjustable speed > Suffering dry strips / plates > Pitastic Containers for staining, de-staining and clearing > Reagent set for running 150 samples against Hemoglobins and Prolains	
Supply system includes; - Electrophoretic Chamber - Semi-micro Applicator for 6 samples - Small Bridges for vet strips - Large Bridge for dry strips - Supporting Power Supply - Densitametry Software CD with security key - Supporting Lapton compatible with software - Supporting Printer - Supporting Scanner - Supporting Scanner - Supporting Scanner - Supporting Visitine scanner - Supporting Visitine scanner - Supporting UrS - Orbital Shaker with adjustable speed - Buffering dry strips i plates - Plates Containers for staining, de-staining and clearing - Reagent set for running 150 samples against Hemoglobins and Proteins	
Supply system includes; - Electrophoretic Chamber - Semi-micro Applicator for 6 samples - Small Bridges for vet strips - Large Bridge for dry strips - Supporting Power Supply - Densitametry Software CD with security key - Supporting Lapton compatible with software - Supporting Printer - Supporting Scanner - Supporting Scanner - Supporting Scanner - Supporting Visitine scanner - Supporting Visitine scanner - Supporting UrS - Orbital Shaker with adjustable speed - Buffering dry strips i plates - Plates Containers for staining, de-staining and clearing - Reagent set for running 150 samples against Hemoglobins and Proteins	
Supply system includes; - Electrophoretic Chamber - Semi-micro Applicator for 6 samples - Small Bridges for vet strips - Large Bridge for dry strips - Supporting Power Supply - Densitametry Software CD with security key - Supporting Lapton compatible with software - Supporting Printer - Supporting Scanner - Supporting Scanner - Supporting Scanner - Supporting Visitine scanner - Supporting Visitine scanner - Supporting UrS - Orbital Shaker with adjustable speed - Buffering dry strips i plates - Plates Containers for staining, de-staining and clearing - Reagent set for running 150 samples against Hemoglobins and Proteins	
Electrophoretic Chamber Semi-micro Applicator for 6 samples Small Bridges for wet strips Large Bridge for dry strips Large Bridge for dry strips Supporting Power Supply Densitometry Software CD with security key Supporting Laptop competible with software Supporting Printer Supporting Seamer Supporting UPS Othial Shaker with adjustable speed Buffering dry strips / plates Plastic Containers for staining, de-staining and dearing Reagent set for running 150 samples against Hemoglobins and Proteins	+
Semi-micro Applicator for 6 samples Small Bridges for well strips Large Bridge for dry strips Supporting Power Supply Densitometry Software CD with security key Supporting Laptop compatible with software Supporting Printar Supporting Namer Supporting UPS Orbital Shaker with adjustable speed Buffering dry strips / plates Plastic Containers for staining, de-staining and clearing Reagent set for running 150 samples against Hemoglobins and Protains	
 ➤ Small Bridges for wet strips ➤ Large Bridge for dry strips ➤ Supporting Power Supply ➤ Densitometry Software CD with security key ➤ Supporting Laptop compatible with software ➤ Supporting Laptop compatible with software ➤ Supporting Scanner ➤ Supporting UPS ➤ Orbital Shaker with adjustable speed ➤ Buffering dry strips / plates ➤ Plastic Containers for staining, de-staining and cleaning ➤ Reagent set for running 150 samples against Hemoglobins and Proteins 	
➤ Large Bridge for dry strips ➤ Supporting Power Supply ➤ Densitometry Software CD with security key ➤ Supporting Laptop compatible with software ➤ Supporting Printer ➤ Supporting Scanner ➤ Supporting Scanner ➤ Supporting UPS ➤ Orbital Shaker with adjustable speed ➤ Buffering dry strips / plates ➤ Plastic Containers for staining, de-staining and dearing ➤ Reagent set for running 150 samples against Hemoglobins and Proteins	
> Supporting Power Supply > Densitometry Software CD with security key > Supporting Laptop compatible with software > Supporting Printer > Supporting Scanner > Supporting UPS > Orbital Shaker with adjustable speed > Buffering dry strips / plates > Plastic Containers for staining, de-staining and clearing > Reagent set for running 150 samples against Hemoglobins and Proteins	
 ▶ Densitometry Software CD with security key ▶ Supporting Laptop compatible with software ▶ Supporting Printer ▶ Supporting Scanner ▶ Supporting UPS ▶ Orbital Shaker with adjustable speed ▶ Buffering dry strips / plates ▶ Plastic Containers for staining, de-staining and clearing ▶ Reagent set for running 150 samples against Hemoglobins and Proteins 	
 ➤ Supporting Laptop compatible with software ➤ Supporting Printer ➤ Supporting Scanner ➤ Supporting UPS ➤ Orbital Shaker with adjustable speed ➤ Buffering dry strips / plates ➤ Plastic Containers for staining, de-staining and clearing ➤ Reagent set for running 150 samples against Hemoglobins and Proteins 	
 ➤ Supporting Printer ➤ Supporting Scanner ➤ Supporting UPS ➤ Orbital Shaker with adjustable speed ➤ Buffering dry strips / plates ➤ Plastic Containers for staining, de-staining and clearing ➤ Reagent set for running 150 samples against Hemoglobins and Proteins 	
 ➤ Supporting Scanner ➤ Supporting UPS ➤ Orbital Shaker with adjustable speed ➤ Buffering dry strips / plates ➤ Plastic Containers for staining, de-staining and clearing ➤ Reagent set for running 150 samples against Hemoglobins and Proteins 	
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 ➢ Buffering dry strips / plates ➢ Plastic Containers for staining, de-staining and clearing ➢ Reagent set for running 150 samples against Hemoglobins and Proteins 	
 ➢ Plastic Containers for staining, de-staining and clearing ➢ Reagent set for running 150 samples against Hemoglobins and Proteins 	
and clearing ➤ Reagent set for running 150 samples against Hemoglobins and Proteins	
Hemoglobins and Proteins	
➤ Warranty: Required	
➤ Free Service Required	
Throughput:	
➢ More than 04 samples Hemoglobin electrophoresis simultaneously in one row	
➤ More than 04 samples High Resolution Proteins electrophoresis simultaneously	

73.	Manual Clinical Electrophoresis System	 ➢ Electrophoresis Tank: ➢ Horizontal System for Cellulose Acetate Electrophoresis ➢ Accommodates strips and gels ➢ Platinum Electrodes. ➢ Economy Buffer Usage, Small Bridges (03): 	Quoted as per BOQs Qualified	Not Quoted	Not Quoted	Quoted as per BOQs Qualified	Not Quoted	Not Quoted	not Quoted	not Quoted					
		(For small cellulose acetate) wet strips, 5.7-14 cm													
		Large Bridge (01)													
		➤ For large cellulose acetate wet sheets,18.3x14cm or 18.3x17cm OR													
		➤ For three cellulose acetate dry plates OR													
		➤ For three pre-cast agarose gels													
		Semi-micro Applicator													
		➤ For 6 samples on dry plates													
		Power Supply ➤ Constant voltage ➤ Voltage Output: 10 – 300 V ➤ Current Output: 5 – 400 mA ➤ Max. Wattage: 80 W ➤ Timer: 1 Min. – 99 Hrs.													
		➢ Display: LCD Touch Screen.													
		Densitometry Software													
1 1		Capable for analysis of:													
		 Serum protein electrophoresis Lipo-protein electrophoresis Hemoglobin electrophoresis Capable to analyze on dry or wet cellulose acetate strips 													
		Agarose and other gels working with micro, semi-micro or macro applications.													
		 Very high analysis speed, Add or delete minima, baseline correction, graph correction, albumin correction 													
		➤ (Cellogel/Helena/Sebia/Equivalent)													
		➤ Microscope with LED illuminator			- 1										
		➢ binocular tube								- 1		Not as per			
		➤ a pair of eyepiece 10X (F.N.20)										required and			

| 74. | Binocular Microscope | ➤ quadruple revolving nosepiece ➤ right-handle mechanical stage ➤ abbe condenser and plan objectives (4X, 10X, 40X, 100X), including AC adapter, Power cord, Immersion Oil 8cc, ➤ Dust cover ➤ Olympus Japan/Equivalent | Not Quoted | | quoted as
per BOQs
Qualified | not Quoted | Not as per required and notified specification s. Bidder has quoted the microscope whose field view (WF 10x/18 mm) is less than required (10x (F. N.20) therefore, | manufacturer | Not Quoted | Not as per required and notified specification s. Bidder has quoted the microscope whose field view (WF 10x/18 mm) is less than required (10x (F. N.20) therefore, Not qualified | not Quoted |
|-----|--|---|------------|------------|------------|------------|------------|------------|---|------------|--|--------------|------------|--|------------|
| 75. | 100X Objective for
Olympus BX53
Microscope | Plan achromat objective 100X/1.25, WD 0.13 (spring, oil) PLCN100XO Olympus Japan/Equivalent | | Not Quoted | quoted as
per BOQs
Qualified | not Quoted | not Quoted | Not Quoted | Not Quoted | not Quoted | not Quoted |
| 76. | Improved Neubauer
Chamber | standard depth is 0.1 mm The grid consists of 3 x 3 large squares with areas of 1 mm² each. The large square in the center is subdivided into 5 x 5 group squares with edges of each 0.2 mm length and areas of 0.04 mm². These group squares are again subdivided into sixteen small squares of an area of each 0.05 mm x 0.05 mm = 0.0025 mm². It is used for cell counting Marienfeld/ Equivalent | Not Quoted | not Quoted | not Quoted | Not Quoted | Not Quoted | not Quoted | not Quoted |

FORENSIC DEPARTMENT Net refrigeration capacity 370L, net freezing capacity of -170L Dawlence/Haier/TLC or Not Quoted Not Quoted 77. Refrigerator Not Quoted equivalent quoted as Rotor capacity:1.5/2 ml, 15000rpm speed, soft Quoted as per BOQs break, short spin speed limitation, lock per BOQs 78. Microcentrifuge Not Quoted Not Quoted Not Quoted Not Quoted separator button for RPM/RCF conversion. Sigma/Hermle or equivalent Qualified Qualified Qualified Qualified Qualified Qualified Qualified Qualified Qualified 24-120mm lens, 28-300mm lens, Wi-Fi availability,24.3 million mega pixels, video 79. Camera Not Quoted resolution 1920x1080 HD/ Nikon/Cannon/ Panasonic/ or equivalent Nikon D5300 Camera 80. 18-300mm lens Not Quoted **BIOCHEMISTRY DEPARTMENT** quoted as Microliter Centrifuge per BOQs 81. HERMLE (Germany) /Scilogox/ Equivalent Not Quoted Not Quoted Not Quoted Not Quoted Not Quoted not Quoted Machine refrigerated Qualified Qualified Qualified Qualified Qualified Qualified Qualified quoted as Electrolyte Analyzer Electra Medical Corp, USA./Diamond Diagnostic per BOQs 82. Not Quoted Elyte Plus (HCO₃) Audicom China / Equivalent Qualified Micropiettes quoted as Gilson / Scilogex USA /Biohit Sortorius /Scilogox per BOQs (i) 1-10 uL) 83. Not Quoted Not Quoted Not Quoted Not Quoted not Quoted /Equivalent 10-100 uL (ii) Qualified Qualified Qualified Qualified Qualified Qualified Qualified (iii) 100-1000 Microlitre PHYSIOLOGY DEPARTMENT Western Europe / USA / Japan

												**		
Laboratory Freezer 84. 80°C) with UPS (10KVA)	Digital microprocessor controlled, Temperature range: -40 to -85C, Capacity: 393L Single compressor, Low energy consumption, Low noise level, Low heat dissipation, Insulated inner doors, Castors and door key lock, Ergonomic loading, Heated door frame, Heated vacuum valve, 100% HCFC/CFC free, Porthole for external temperature Probes, Approx. 72 hours battery backup for alarms, loggings and temperature display in case of power cut, Visual and acoustic alarm, Adjustable high/low temperature alarm, Power failure alarm, Probe failure alarm, Instrument failure alarm, Prepared for GSM alarm, Integrated data logger (software included), RS485/232 Interface Computer USB data read out, Auto cycle if probe failure, Ambient temperature display Strows all alarms, Direct download/upload on/from USB memory stick, 3-level password protected Battery level indication, Integrated memory. New inner doors: Five polystyrene insulated inner doors help maintain cabinet temperature during openings and features embedded rare earth magnets, eliminating exposed magnets.	Not Quoted	Not Quoted	Not Quoted	Not Quoted	instrument make was European, USA or Japanese, while the quoted instrument is China made.	due to smaller	Quoted as per BOQs Qualified	Not Quoted	THE THE PARTY OF T				

All technical bids were evaluated against the laid specifications and comparative statement (summary/detail) is being submitted to Chairman Tender Committee and Incharge Purchase Cell for further necessary action.

HOD Human Genetics HOD Immunology HOD Anatomy HOD Pharmacology HOD Histopathology HOD Forensic Sciences HOD Oral Pathology HOD Microbiology HOD Biochemistry HOD Oral Biology HOD AHS

HOD Physiology Chemical Pathology

Chairman, Tender Committee