

| S. No. | Name Of Items | M/S Jasani Scientific | M/S Global Marketing services | M/S Optisurg. | M/S Lab Link. | M/S Ameer Din. | Remarks |
|--------|---------------|-----------------------|-------------------------------|---------------|---------------|----------------|---------|
|--------|---------------|-----------------------|-------------------------------|---------------|---------------|----------------|---------|



Purchase & Store Section

## LIAQUAT UNIVERSITY

Technical Tender opened On 3<sup>rd</sup> April 2018  
Financial Tender Opened On 17<sup>th</sup> May 2018

OF MEDICAL & HEALTH SCIENCES JAMSHORO

Telephone: + 9213350, Exch. 771240, Ext. + 122

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Financial Comparative Statement of Tender for Purchase & Supply of Category (A) Ophthalmic Equipment for Institute of Ophthalmology, LUMHS, Jamshoro.

| S. No. | Name Of Items                                                                                                                                                                                                                                                                                                                | M/S Jasani Scientific | M/S Global Marketing services | M/S Optisurg. | M/S Lab Link.                                                         | M/S Ameer Din. | Remarks                                                                       |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------|---------------|-----------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------|
| 01     | <b>Semi-automated chemistry analyzer micro lab 300</b><br><small>Light Sources: Quartz-Iodine lamp 12V-200W, wavelength range: Optical unit with 12 position filter wheel: 340, 405, 505, 546, 578, 620 nm standard installed; 6 position for optional filters; photometric range: 0.1 to 2.3 absorbance; resolution</small> | Not Quoted            | Not Quoted                    | Not Quoted    | <b>Rs. 505,400/=</b><br><br>SEMI AUTOMATED CHEMISTRY ANALYZER MODEL # | Not Quoted     | M/S Lab Link has Single firm quoted & Qualified for purchase order being best |

Note. The Rates of Single firm quoted Items have been Verified by Technical Committee as per SPPRA Rule No. 48

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Chairman, CPC

Mr. Asif Ali Abbasi  
Deputy Director Finance  
Member, CPC.

Mr. Asif Pervaiz Khero  
External Member  
University of Sindh Member, CPC.



| S. No. | Name Of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | M/S Jasani Scientific | M/S Global Marketing services                                                                              | M/S Optisurg. | M/S Lab Link.                     | M/S Ameer Din. | Remarks                                                                                        |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------|----------------|------------------------------------------------------------------------------------------------|
|        | 0.001 Abs Detector; Photo diode (320-1000 nm)<br>Measurement Procedures: Kinetic measurement with linearity check; Kinetic, with linearity check and sample slope blank; Two point kinetic, with or without reagent blank; End point, with or without reagent blank; Bichromatic end point, with or without reagent blank; end point, with sample blank and with or without reagent blank; Measurement mode: wavelength 1 and 2; Aspiration volume: Measurement delay; Aspirator system: internal pump of bellows type, driven by stepper motor; Back panel connection for waste; aspiration volume Programmable; Signal interface: Centronics type parallel port; RS 232 type serial port; PS2 type port for external keyboard; Standards and regulations: CE-IVD; CB-UL; Certification: Power Requirements: 100-240 VAC nominal, 50/60 Hz; battery back-up to retain data; Country Origin the Netherlands/Germany/Japan, or equivalent 2 Years free service/ warranty, equivalent. |                       |                                                                                                            |               | MICROLAB300LX<br>MADE NETHERLAND  |                |                                                                                                |
| 02     | <b>Pathology Microscope</b><br>Leica DM 1000 Trinocular Microscope or Equivalent Head: Trinocular, 360 degree rotatable with locking screw; Eyepieces: HC plan S 10x/22 mm; Eyepieces- both Focusing Nosepieces: Quinupole Hole nose-piece; Objectives: Hi Plan achN plan 10x, 20x, 40x (100x Optional if desired); Substage: Height adjustable and center able; Abbe condenser with iris diaphragm aperture diaphragm for kohler illumination stage; XY mechanical stage with slide holder; Illumination: Halogen 12v 30w bulb with rheostat and ON/OFF switch focusing: coaxial coarse & fine adjustment with focus stop to prevent damage; Country origin: The Netherlands/Germany/Japan, or equivalent 2                                                                                                                                                                                                                                                                         | Not Quoted            | Rs. 902,655/=<br><b>Euro 4,620/-</b><br>Pathology<br>Microscope Leica<br>DM 1000 country<br>Origin Germany | Not Quoted    | Technically rejected<br>old Model | Not Quoted     | M/S Global Marketing Services has Single firm quoted & Qualified for purchase order being best |

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| S. No. | Name Of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | M/S Jasani Scientific | M/S Global Marketing services | M/S Optisurg. | M/S Lab Link. | M/S Amecr Din. | Remarks             |
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|        | Years free service/ warranty, equivalent                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                               |               |               |                |                     |
| 03     | <b>Cutting Instruments for cataract surgery</b> <ul style="list-style-type: none"> <li>• Large needle holder</li> <li>• Micro needle holder (titanium)</li> <li>• Conjunctival Scissor</li> <li>• Corneal Scissor (titanium)</li> <li>• Vannas scissor (titanium)</li> <li>• Suture tying forcep (titanium)</li> <li>• Mc Pherson forcep (titanium)</li> <li>• Corneal forcep (titanium)</li> <li>• Tooth forcep</li> <li>• B.P Knife handle</li> <li>• IRIS Reposter</li> <li>• Muscle hook</li> <li>• Lens dialor (titanium)</li> <li>• Chopper (titanium)</li> <li>• Wire Ire Vectus</li> <li>• Wire speculum</li> <li>• Artery forcep mosquito</li> <li>• Plane forcep</li> <li>• Cautery Point</li> <li>• Plain scissor small</li> <li>• Simco Cannula 18/23 G</li> </ul> | Not Quoted            | Not Quoted                    | Not Quoted    | Not Quoted    | Not Quoted     | Not Quoted Any Firm |

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| S. No. | Name Of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | M/S Jasani Scientific | M/S Global Marketing services | M/S Optisurg. | M/S Lab Link. | M/S Ameer Din. | Remarks             |
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| 04     | <b>Cutting Instruments for Vitreoretinal Surgery (Reusable)</b><br>1. ILM Spatula 23,25 gauge curved and straight shaft<br>Overall length: 152mm, Tip length: 40mm 2.75mm tip<br>2. Fine End Gripping forceps 23,25 Gauge<br>Overall Length: 144mm<br>3. Serrated Forceps 23,25 gauge<br>Overall Length: 146 mm, tip length: 35mm, inside 1.50mm length of the jaw<br>4. Curved scissor 23,25 Gauge<br>Overall Length: 146mm, Tip length: 35mm, 1.25mm curved blades<br>5. Angled horizontal Scissor 23,25 Gauge<br>Overall length: 148mm, blade Length: 3.15mm, has 30-degree bend<br>6. Vertical Scissors 23,25 Gauge<br>Overall length: 146mm, Tip Length: 35mm, 45 degree angled vertical scissors with 1.75mm distal blade<br>7. Retinal diamond Knife<br>Overall length: 186mm | Not Quoted            | Not Quoted                    | Not Quoted    | Not Quoted    | Not Quoted     | Not Quoted Any Firm |

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| S. No. | Name 'Of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | M/S Jasani Scientific | M/S Global Marketing services | M/S Optisurg. | M/S Lab Link. | M/S Ameer Din. | Remarks |
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|        | <b>8. Troocar Fixation plate, 3.5mm, 4.0mm</b><br>Overall length: 84mm, features two places for fixation<br><b>9. Scleral plug</b> (Set of 12 plugs, 4 each of 18, 19 and 20 gauge) 18G Black, 19G Red, 20 G Gold<br><b>10. Infusion Cannulas:</b> 2.5mm, 14.0mm, 26.0mm<br><b>11. Caliper</b><br>Castroviejo Caliper straight curved overall Length: 86mm measures 1.0mm increments<br><b>12. Scleral Depressor</b><br>Scleral depressor Overall length: 135 mm with and without marker Flat handle to tip, 5.0mm<br><b>13. Air Injection Cannulas</b><br>Air injection Cannulas: 30 Gauge: 27 gauge overall length: 32mm Angle to up tip 5.0mm<br><b>14. Back Flush Cannula</b><br>Brush tip cannula: 20G; 23G, 25G<br>Diamond Dusted soft tip cannula: 20G, 23G for triamcinolone removal<br>Soft Tip cannula: 20G, 23G, 25G |                       |                               |               |               |                |         |

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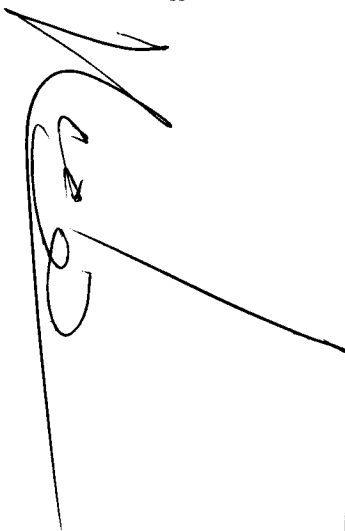
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| 05     | <p>Vitrectomy Machine with xenon illumination system and embedded green laser</p> <p>Pump System: Venturi, Peristaltic pump</p> <p>Modes, 3D, Momentary, Prop Vac, vit wet</p> <p>Sub modes, core, 50/50 shave</p> <p>Cut Rate: Ultra vit 7,500, 10000 or more and can be upgradeable</p> <p>INFUSION/ IRRIGATION: Dual chamber mode. Range: 0 to 120 mmHg or more</p> <p>Flow Rate: 0 to 20 cc/min</p> <p>IOP CONTROLLED INFUSION: Set Point Range: 0-120 mmHg</p> <p>Flow Range: 0-20cc/min</p> | <p>1,30,00000/-</p> <p><i>US\$ 107,000/-</i></p> <p>Vitrectomy Machine with xenon illumination system and embedded green laser Model R-Evolution CR</p> <p>Optikon Italy Model R- . wide motorized Instruments tray</p> <p>. Fully programmable Bluetooth foot pedal.</p> <p>Country Origin Italy</p> | Not Quoted                    | <p>Rs, 14,880,000/=</p> <p>CHF. 118,000/=</p> <p>Vitrectomy Machine with xenon illumination system and embedded green laser</p> <p>Pump System: OS4</p> <p>(Anterior/Posterior System with Integrated endo laser) Oretti Instruments</p> <p>Country Origin Switzerland</p> | Not Quoted    | Not Quoted     | <p>M/S</p> <p>JasaniScientific has quoted &amp; Qualified for purchase order being best</p> |

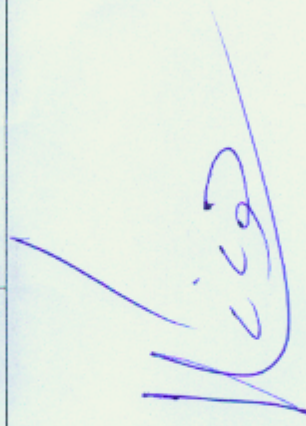
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|  | <p><b>ASPIRATION/SUCTIO</b></p> <p><b>N:</b></p> <p><b>STANDARD &amp; REDUCED Pressure</b></p> <p><b>Range: 0-650 mmHg Vacuum</b></p> <p>Minimal Pressure Range: 0-600 mmHg Vacuum</p> <p>Flow Range:</p> <p>Posterior Modalities: 0-20 cc/min</p> <p>Anterior Modalities: 0-60 cc/min</p> <p>Vacuum:</p> <p>Vitrectomy: 0 to 650 mmHg or more</p> <p>Fragmentation: 0 to 650 mmHg or more</p> <p>Extraction: 0 to 650 mmHg or more</p> <p>Irrigation/Aspiration: 0 to 650 mmHg or more</p> <p>Phacoemulsification: 0 to 650 mmHg or more</p> <p>Low Pressure Air Source (LPAS):</p> <p>Pressure Range: 0 -120 mmHg at rated flow</p> <p>Flow Rate: 1.2 slpm minimum at 120 mmHg</p> <p><b>DIA THERMY:</b></p> <p>Frequency: 1.5 Mhz ±10%</p> <p><b>ILLUMINATION:</b></p> <p>Advances xenon illumination system</p> <p>Light intensity: 200, 300, 350, 360 fiber</p> <p>Probe: 0-200 hrs: 16-65 lumens at 115% set point</p> <p>1,201,400 hrs: 16-65 lumens at 115%</p> <p><b>FRAGMENTATION:</b></p> <p>Sub modes: Linear, fluid, Monotary</p> <p>Resonant Frequency: 20.0 ±1.5KHz</p> <p>Scissors:</p> <p>Sub Modes: Proportional, multi-cut</p> <p>Proportional Pressure: 0-50 psi</p> <p>Multi cut Rate: single cut to 450gpm</p> <p><b>PROPORTIONAL AND CONTINUOUS REFLUX:</b></p> <p>Pressure Range: 0 to 120 mmHg</p> <p>Micro reflux : Pressure Range: 100-250mmHg</p> <p>Volume: 15-16ul.i</p> <p><b>VISCOUS FLUID CONTROL:</b></p> <p>Sub Modes: Inject, Extract</p> <p>Injection Pressure: 0 to 551.6 K pascal (0 to 80psi) 0 to 482.7 K Pascal at reduced (0 to 70 psi)</p> |  |  |  |  |  |  |
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| S. No. | Name Of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | M/S Jasani Scientific | M/S Global Marketing services | M/S Optisurg. | M/S Lab Link. | M/S Amer Din. | Remarks |
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|        | <p>Extract Vacuum 0 to 650 mmHg<br/> AUTO-GAS FILLING (ACF):<br/> Maximum Gas Pressure: 10psi<br/> Fill Purity: 99.7% gas Concentration following 3 purges &amp; 1 fill</p> <p>AUTO-STOPCOCK:<br/> Response Time: 0.5 seconds minimum<br/> Pressure (Liquid): 0-120 mmHg<br/> Rated flow (Liquid): 20 cc/min<br/> Pressure (LPAS): 0-120 mmHg<br/> Rated flow (LPAS): 1.2 slpm</p> <p>PHACOMETRICATION/<br/> TORISONAL</p> <p>TRADITIONAL<br/> Sub Modes: Burst, pulsed, continuous<br/> Tip Stroke at 100%; 3.5± 0.5 mm<br/> Resonant Frequency: 34 kHz- 42kHz ± 10%<br/> Pulse rate Range: 0-1000 or more pulses per second<br/> Burst Length: 2.5 sec – user adjustable<br/> Burst pulse duration: 5ms to 500ms or more</p> <p>ANTERIOR VITRECTOMY:<br/> Sub modes: wet, dry<br/> Cut rate: 0 to 100 or more<br/> GREEN LASER 532 nm (Bait Top):<br/> Treatment beam: Class IV<br/> Aiming beam: Class II<br/> Power less than 1mW</p> <p>DOCTOR MEMORIES:<br/> Storage capacity:<br/> TONE VOLUMES at 1 Meter:<br/> Diathermy: 40 to 65 dB, Continuous tone<br/> Infusion: 0-65 dB, short tones<br/> Frag/Phase/Vacuum: 0 to 65 dB, continuous tone<br/> Volume Accuracy: 6dB</p> <p>REMOTE CONTROL<br/> ELECTRICAL REQUIREMENTS:<br/> 100-120 Vac 50/60 Hz 12 A max<br/> 220-240 Vac 50/60 Hz 6 A max</p> <p>FOOTSWITCH</p> |                       |                               |               |               |               |         |

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|    | MUST WATER TIGHT<br>CONSTRUCTION Country of origin Japan or equivalent<br>2 Years free service and parts/ warranty                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |            |            |            |                                                                                                                                                                                                                                                   |                                                                                    |
|    | OPERATION<br>MICROSCOPE WITH X-Y<br>TRANSLATOR FOR<br>VITREO RETINA<br>SURGERY, BINOCULAR<br>FOR TEACHING WITH<br>COMPLETE HD VIDEO<br>SYSTEM & RECORDER<br>Type: Galileo and Optical Fiber free<br>Intravital Surgery System<br>Magnification<br>Continuous changes motorized zoom<br>Magnification Indication:<br>4.2/5.6/7.8/9/11/13/15/17/19/21 total<br>magnification: 4.0X - 21 X<br>Eye pieces - 12.5x/10x (+5D adjustable<br>in eye pieces is preferable) Inner Eyepieces<br>distance adjustment (Knee is preferable)<br>Binoculars -45 -90 degree binocular<br>inclined with converging optics fine<br>focusing - motorized<br>Objective - F= between 175/200mm | Rs. 12,000,000/= | Not Quoted | Not Quoted | Not Quoted | Rs. 17,993,000/=                                                                                                                                                                                                                                  | M/S JASANI<br>Scientific is<br>Qualified for<br>purchase order<br>being 1st lowest |
| 06 | OPERATION<br>MICROSCOPE WITH X-Y<br>TRANSLATOR FOR<br>VITREO RETINA<br>SURGERY, BINOCULAR<br>FOR TEACHING WITH<br>COMPLETE HD VIDEO<br>SYSTEM & RECORDER<br>MODEL M822 F40 LEICA<br>GERMANY:<br>ELECTRICAL DATA:<br>Power supply F40: 100-240 V,<br>50/60 Hz, 300 VA                                                                                                                                                                                                                                                                                                                                                                                                     |                  |            |            |            | Topcon operation<br>Microscope OFFISS<br>(Optical fiber free<br>Intravital surgery<br>system) with Zoom,<br>Variable Binocular, X-Y<br>translator, magnetics<br>Break, Offiss attachment<br>& HD video System<br>OMS 800 OFFISS,<br>Topcon/ Japan |                                                                                    |
|    | Illumination System<br>Light source- halogen lamp Illumination -<br>cold light coaxial illumination by fiber<br>light guide<br>Illumination Control - continuous<br>adjustment<br>Filters - Heat absorbing, UV filter, yellow<br>filter, and cobalt blue, red free illumination<br>- stable and good red reflex is essential<br>Different type of illumination angles<br>should be available and can be easily<br>selected from footswitch.<br>Full illumination (+4° - 2° - 2°) for<br>brightness stereoscopic view and shadow                                                                                                                                          |                  |            |            |            |                                                                                                                                                                                                                                                   |                                                                                    |

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|        | <p>contrast for superior observe clarity<br/>Multifunction footswitch to control all function e.g. illumination intensity, zoom magnification, and focus illumination angle selection and X-Y positioning<br/>Dual motorized focusing mechanism.<br/>Simultaneously cataract and vitreous surgery can be performed. Capable to give wide field of view up to one Serrata<br/>XY Translators may allow the convenient movement with reset button.<br/>In Built observation – viewing system for vitrectomy procedure.<br/>Viewing system during vitrectomy procedure should have an independent focus mechanism which may separate from microscope head<br/>The incorporated IR cut filter for the reduction of photo toxicity to the retina<br/>Optical head with built-in beam splitter<br/>Anti-stain, water shedding coated lens, illumination bulb can be easily and immediately replaced.<br/>Electromagnetic Locking system for reliable electromagnetic brakes enable the surgeon to quickly position the optical head during surgery.<br/>Power voltage: AC 100-120 / AC 220-240V 50/60<br/>Stand<br/>Floor mounted with lockable castor wheels<br/>Arm vertical stroke-approx 400 mm or more<br/>TV relay and recording (HD) facility should be available for viewing the surgery by observers. State of art viewing system for Vitreoretinal surgery should be provide<br/>Accessories (Standard)<br/>Spare halogen bulbs – 10 (if LED is not supplied)<br/>Dust cover – 1<br/>Stabilizable caps for microscope handles – 2 sets</p> |                       |                               |               |               |                |         |

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|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
|        | Appropriate UPS backup<br>Country of origin Japan or equivalent 2<br>Years free service/ warranty                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                  |                               |                                                                                                                                                                                                                                    |               |                                                                                                                                                                                |                                                               |
| 07     | <b>Optical Coherence Tomography</b> in combination with color fundus photography, anterior segment, fundus angiography, fundus auto fluorescence & Angio OCT (OCT-A) with 100,000 or more A-Scan/sec. Invisible OCT scan for better penetration through cataracts and hemorrhages. Wide and Deep scans (12mm) to visualize crystal clear Vitreous and choroid in a single image<br>Auto Rescanning with Smart track to provide fundus guided OCT Acquisition combination scans & follow up functions<br>7 layer Segmentation / 5 layers thickness map / caliper function | Technically Rejected<br>quoted Low specification | Not Quoted                    | Rs. 8,395,000/=<br><del>US\$ 69,000/=-</del><br><br>Optical Coherence Tomography: REVO NX (spectral Dmian Optical Coherent tonographers, SOCT) (All In one: Anterior/ Posterior/ glaucoma/Angio scan)Country Origin: Poland Europe | Not Quoted    | Rs. 16,993,000/=                                                                                                                                                               | M/S OPTISURG is Qualified for purchase order being 1st lowest |
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                  |                               |                                                                                                                                                                                                                                    |               | Optical Coherence Tomography Swept Source OCT with Non-Mydriatic Retinal camera, Interior Segment OCT, FFA & Audio Fluorescein Images & OCT-A Model Triton Plus Topcon / japan |                                                               |

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| S. No. | Name Of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | M/S Jasani Scientific | M/S Global Marketing services | M/S Optisurg. | M/S Lab Link. | M/S Ameer Din. | Remarks |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------|---------------|---------------|----------------|---------|
|        | <p>Accurate Choroidal thickness map</p> <p>En-face OCT imaging allow for independent dissection of vitreoretinal surface, retina, RPE and Choroid</p> <p>Motion correction/ Compensation / rescanning function</p> <p>Able to analyze Drusen, ganglion cell, 3D Macula and RNFL</p> <p>Quantitative vessel density analysis</p> <p>Fast &amp; wide (12x12) scanning for OCT-A</p> <p>Built-in non-mydriatic fundus camera</p> <p>Anterior OCT with 16mm wide scan</p> <p>Anterior segment/ cornea module</p> <p>In-depth resolution, Digital 2.6m/ optical function.8m</p> <p>Photographable diameter of pupil for OCT, 2.5mm.</p> <p>Photographable diameter of pupil for fundus Image, 45°</p> <p>4.0mm small pupil diameter: 3.3mm</p> <p>Picture angle, 45°/30° or equivalent (digital zoom).</p> <p>Fixation target, both internal &amp;</p> |                       |                               |               |               |                |         |

**Note.** The Rates of Single firm quoted Items have been Verified by Technical Committee as per SPPRA Rule No. 48



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University of Sindh Member, CPC.



| S. No. | Name Of Items                                                                                                                                                                                                                                                                                                                                                                                 | M/S Jasani Scientific                                                                                                           | M/S Global Marketing services | M/S Optisurg. | M/S Lab Link. | M/S Ameer Din. | Remarks                                                                                |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------|---------------|----------------|----------------------------------------------------------------------------------------|
|        | external fixation target.<br>Enhanced Vitreous Visualization mode<br>Fundus Angiography mode<br>Auto Fluorescien imaging mode<br>System Contain:<br>Main Console unit with Fundus Angiography & Auto Fluorescein<br>Original motorized stand<br>Latest Desktop PC for OCT with LED monitor and color laser printer country of origin japan or equivalent 2 Years free service, parts/warranty |                                                                                                                                 |                               |               |               |                |                                                                                        |
| 08     | <b>Laser with indirect delivery system</b><br><b>Treatment laser: diode pump solid state laser (L.1.0)</b><br>Wave length: 532nm<br>Output power: 50 to 1700mW<br>Output type: Continuous wave, pulse 0.01 to 0.2 seconds<br>Aiming beam: Red Diode, Spot size: 185-556um Variable according to the working distance<br>Dual Delivery port (Endo and                                          | <b>Rs. 4,500,000.00/=</b><br><i>Taper Ver 39,90,000</i><br>GREEN LASER WITH INDIRECT DELIVERY SYSTEM MODEL GYC-500, NIDEK JAPAN | Not Quoted                    | Not Quoted    | Not Quoted    | Not Quoted     | M/S JASANI Scientific has Single firm quoted & Qualified for purchase order being best |

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| S. No. | Name Of Items                                                                                                                                                                                                                                                                                                                                                                                       | M/S Jasani Scientific                                                                                                                      | M/S Global Marketing services | M/S Optisurg. | M/S Lab Link. | M/S Ameer Din.                                                                                                                                               | Remarks                                                                |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
|        | BIO Delivery unit)<br>5.7 inches color LCD with touch Control box<br>Contents and quantity: Green laser Console one, Laser Indirect Ophthalmoscope with delivery cable one, delivery lenses two<br>Country origin Japan or equivalent<br>2 Years free service, parts/ warranty                                                                                                                      |                                                                                                                                            |                               |               |               |                                                                                                                                                              |                                                                        |
| 09     | <b>Air puff Computerized tonometry with pachymeter</b><br>R/L fully automated measurement<br>Easy-to-Use touch screen control panel<br>The adjustable control panel can be positioned in any direction<br>Stable IOP measurement with soft air-puff<br>corneal thickness measurement for IOP compensation<br>Built in thermal printer<br>Ocular Pressure measurement, measuring range 1 to 30 mmHg/ | <b>Rs. 1,600,000/=</b><br><i>Japan Yes 1,440,000/-</i><br>AIR PUFF<br>TONOMETER<br>WITH<br>PACHYMETER<br>TONOPACHY NT-530P, NIDEK<br>JAPAN | Not Quoted                    | Not Quoted    | Not Quoted    | <b>Rs. 1,965,000/=</b><br><b>Air puff Computerized tonometry with pachymeter</b><br>Topcon All New 4-in-1 Advance pre testing station (TRK-2P) Topcon/ Japan | M/S JASANI Scientific is Qualified for purchase order being 1st lowest |

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| S. No. | Name Of Items                                                                                                                                                                                                                                                                                                                                                                                      | M/S Jasani Scientific | M/S Global Marketing services | M/S Optisurg. | M/S Lab Link. | M/S Ameer Din. | Remarks             |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------|---------------|---------------|----------------|---------------------|
|        | 1 to 60mmHg(1mmHg step)<br>Average indication<br>1mmHg/0.1mmHg steps<br>changeable Corneal Thickness<br>Measurement measuring Range<br>0.4 to 0.75 mm (0.001mm step)<br>Monitor: 8.5" WVG A color<br>LCD monitor, touch panel<br>data transport Terminal USB<br>(import), RS232C(Export),<br>LAN (Export)<br>Country of Origin Japan or<br>Equivalent<br>2 years free service, parts/<br>warranty. |                       |                               |               |               |                |                     |
| 10     | <b>Bipolar Diathermy</b> <ul style="list-style-type: none"> <li>Frequency: 1.5 mhz± 10%</li> <li>Proportional control</li> <li>Wave shape: sinusoidal</li> <li>Output power 10 watts maximum at 100% setting with 75± 10% ohm non-inductive load</li> <li>Power range: 0 1005 of maximum output power</li> <li>Country of Origin Japan or Equivalent</li> </ul>                                    | Not Quoted            | Not Quoted                    | Not Quoted    | Not Quoted    | Not Quoted     | Not Quoted Any Firm |

Note. The Rates of Single firm quoted Items have been Verified by Technical Committee as per SPPRA Rule No. 48

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| S. No. | Name Of Items                                                                                                                                                                                                                                                                                                     | M/S Jasani Scientific | M/S Global Marketing services | M/S Optisurg. | M/S Lab Link. | M/S Ameer Din.                                                                                                       | Remarks                                                                        |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------|---------------|---------------|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
|        | 2 Years free service, parts / Warranty                                                                                                                                                                                                                                                                            |                       |                               |               |               |                                                                                                                      |                                                                                |
| 11     | Electrolysis Machine for Ophthalmic Uses<br>Country of Origin Japan or Equivalent<br>2 Years free service, parts / Warranty                                                                                                                                                                                       | Not Quoted            | Not Quoted                    | Not Quoted    | Not Quoted    | Not Quoted                                                                                                           | Not Quoted Any Firm                                                            |
| 12     | Charging hand held ophthalmoscope with desk <ul style="list-style-type: none"> <li>• Unique aspherical optical system</li> <li>• Corneal and iris reflex elimination, dust proof</li> <li>• Bright halogen illumination</li> <li>• Recessed multi-coated viewing window</li> <li>• Suitable for larger</li> </ul> | Not Quoted            | Not Quoted                    | Not Quoted    | Not Quoted    | <b>RS. 86,450/=</b><br><br>Charging hand held ophthalmoscope with desk<br>Heine<br>Ophthalmoscope with Desk charging | M/S Ameer Din has Single firm quoted & Qualified for purchase order being best |

Note. The Rates of Single firm quoted Items have been Verified by Technical Committee as per SPPRA Rule No. 48

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| S. No. | Name Of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                 | M/S Jasani Scientific | M/S Global Marketing services | M/S Optisurg. | M/S Lab Link. | M/S Ameer Din.                                             | Remarks                                                                        |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------|---------------|---------------|------------------------------------------------------------|--------------------------------------------------------------------------------|
|        | <ul style="list-style-type: none"> <li>or small pupils</li> <li>Lens range: +1-10/15/20/40 D</li> <li>-1-10/15/20/25/35 D</li> <li>Apertures stat, fixation star with polar co-ordinates</li> <li>Suitable blue filter, large spot, small spot hemi spot</li> <li>Filter Red- free filter for all apertures</li> <li>Dust-proof needs no servicing</li> <li>Desk charger &amp; rechargeable battery</li> <li>Country of Origin Japan or Equivalent</li> </ul> |                       |                               |               |               | system Heine K-180 Ophthalmoscope with NT 4 Heine/ Germany |                                                                                |
|        | 2 Years free service, parts / Warranty                                                                                                                                                                                                                                                                                                                                                                                                                        |                       |                               |               |               |                                                            |                                                                                |
| 13     | <b>TONOPEN</b><br>Small and light weight Micro strain gauges transducer<br>Rang of measurement of 5-56 mmHg<br>Double sided LCD                                                                                                                                                                                                                                                                                                                               | Not Quoted            | Not Quoted                    | Not Quoted    | Not Quoted    | Rs. 269,000/=                                              | M/S Ameer Din has Single firm quoted & Qualified for purchase order being best |

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| S. No. | Name Of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | M/S Jasani Scientific | M/S Global Marketing services | M/S Optisurg. | M/S Lab Link. | M/S Ameer Din.                                                                                | Remarks             |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------|---------------|---------------|-----------------------------------------------------------------------------------------------|---------------------|
| 14     | <p>1 box of ocu film tip covers, carry case, manual DVD Country of Origin Japan or Equivalent<br/>2 Years free service, parts / Warranty</p> <p><b>Electronic Hess Screen</b></p> <p>Screen: high resolution LED screen that show the bright red and green points for the optical examination</p> <p>Support table for Monitor, Mouse and or Touch-pad</p> <p>Chin located atr 35cm from the screen centre</p> <p>Laptop computer with Hess digit Test</p> <p>Power supply</p> <p>Printer</p> <p>Functional Requirements</p> <p>Hess test: N° 3 preset sequences, N° 1 manual sequence Visual field coverage angle: 40° (L 20°) both Horizontally and vertical positioning Resolution: ± 1mm Measurement Accuracy: ± 1mm</p> <p>Data: Error in Prismatic diopters Examination management: automatic archiving in pdf file Print: Color printing of Hess Grid and data errors</p> <p>Country of Origin Japan or Equivalent</p> <p>2 Years free service, parts /</p> | Not Quoted            | Not Quoted                    | Not Quoted    | Not Quoted    | <p>Tonopen Tonometer perkins model MK-2 Haag-striet/ Clement Clarke/ UK</p> <p>Not Quoted</p> | Not Quoted Any Firm |

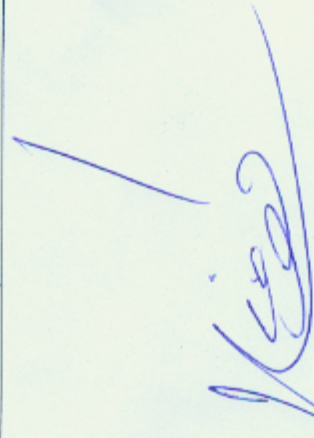
Note. The Rates of Single firm quoted Items have been Verified by Technical Committee as per SPPRA Rule No. 48



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| S. No. | Name Of Items                                                                                                                                                                                               | M/S Jasani Scientific | M/S Global Marketing services | M/S Optisurg. | M/S Lab Link. | M/S Ameer Din. | Remarks             |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------|---------------|---------------|----------------|---------------------|
|        | Warranty                                                                                                                                                                                                    |                       |                               |               |               |                |                     |
| 15     | <b>CARDIFF ACUITY CARD</b><br>For acuity measurement in toddlers aged 1 to 3 years<br>Country of Origin Japan or Equivalent<br>2 Years free service, parts / Warranty                                       | Not Quoted            | Not Quoted                    | Not Quoted    | Not Quoted    | Not Quoted     | Not Quoted Any Firm |
| 16     | <b>OPTOKINETIC DRUM:</b><br>- Accurately tests for nystagmus when rotated at 8-10rpm<br>- Light weight drum of Professional quality with ball bearing for effortless spin mechanism<br>- Standard black and | Not Quoted            | Not Quoted                    | Not Quoted    | Not Quoted    | Not Quoted     | Not Quoted Any Firm |

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| S. No. | Name Of Items                                                                                                                                                                                                                        | M/S Jasani Scientific | M/S Global Marketing services | M/S Optisurg. | M/S Lab Link. | M/S Ameer Din.                                                                                                                                    | Remarks                                                                        |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------|---------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
|        | white striped drum for use 24" to 30" from patient<br>Height of drum: 26cm<br>Overall height 44 cm ø = 18cm<br>Country of Origin Japan or Equivalent<br><br>2 Years free service, parts / Warranty                                   |                       |                               |               |               |                                                                                                                                                   |                                                                                |
|        | A Scan Ultrasound A-Scan with built-in printer, foot- switch, 10 MHz A-scan Direct Contact Probe Live A-scan display<br>Examination modes<br>Automatic capture, normal cataract, dense<br>Cataract, Aphakic Pseudophakic manual mode | Not Quoted            | Not Quoted                    | Not Quoted    | Not Quoted    | RS. 639,000/-<br><br>A Scan Ultrasound Sonomed Ophthalmic Ultrasound A Scan Biometry Model: A-Scan 300a+ Sonomed Inc./ USA optional: parger Shell | M/S Ameer Din has Single firm quoted & Qualified for purchase order being best |

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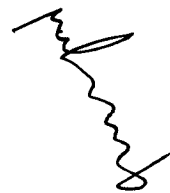


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| S. No. | Name Of Items                                                                                                                                                                                                                                                                                                                                                                                                                                            | M/S Jasani Scientific | M/S Global Marketing services | M/S Optisurg. | M/S Lab Link. | M/S Ameer Din. | Remarks |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------|---------------|---------------|----------------|---------|
|        | Perminant storage of 5 scans for later review and IOL calculation<br>A-scan measurement review capability<br>Axial length, average and standard deviation for up to 5 scans<br>Post refractive surgery formulas (Myopic regression formula & hyperopic regression formula)<br>IOL Formulas: Binkhorst, Regression-II,, Theoretic, Holladay, Hoffer-O, Haigis<br>Immersion Capabilities<br>Clinical accuracy +/- 0.1mm<br>Electrical accuracy +/-0.0484mm |                       |                               |               |               |                |         |

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| S. No. | Name Of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | M/S Jasani Scientific | M/S Global Marketing services | M/S Optisurg.                                                                                                                                                       | M/S Lab Link. | M/S Ameer Din. | Remarks                                                                                  |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------|------------------------------------------------------------------------------------------|
| 18     | <p>Country of Origin<br/>Japan or Equivalent</p> <p>2 Years free service, parts / Warranty</p> <p><b>PHACO Hexadisq Hand Piece-Titanium, (6-crystal design ) new version Units 02</b><br/>Easy Tip-Titanium, 2.8mm,30 degree, reusable 06 Units<br/>Irrigation sleeve 19G for 2.8mm easy tip 06 units<br/>Irrigation sleeve 20G for 2.2mm easy tip 02 units<br/>Test Chamber silicon 02 units<br/>Key for phaco tips 02 Units<br/>I/A tubing set, reusable 04 Units</p> <p>Country of Origin<br/>Switzerland or Equivalent</p> <p>2 Years free service, parts / Warranty</p> | Not Quoted            | Not Quoted                    | <p><del>Rs. 1,666,968/=</del></p> <p><b>PHACO Hexadisq Hand Piece-Titanium,; (PHACO Headisq Hand Piece-titanium, 6-crystal design, new version) Switzerland</b></p> | Not Quoted    | Not Quoted     | <p>M/S OPTISURG has Single firm quoted &amp; Qualified for purchase order being best</p> |
| 19     | <b>Suction Machine with nozel and catheter</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Not Quoted            | Not Quoted                    | Not Quoted                                                                                                                                                          | Not Quoted    | Not Quoted     | Not Quoted Any Firm                                                                      |

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| S. No. | Name Of Items                                                                                                  | M/S Jasani Scientific | M/S Global Marketing services | M/S Optisurg. | M/S Lab Link. | M/S Ameer Din. | Remarks             |
|--------|----------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------|---------------|---------------|----------------|---------------------|
| 20     | <b>Ambo bag adult</b><br>Country of Origin Japan<br>or Equivalent<br>2 Years free service, parts<br>/ Warranty | Not Quoted            | Not Quoted                    | Not Quoted    | Not Quoted    | Not Quoted     | Not Quoted Any Firm |
| 21     | <b>Ambo Bag Baby</b><br>Country of Origin Japan<br>or Equivalent<br>2 Years free service, /<br>Warranty        | Not Quoted            | Not Quoted                    | Not Quoted    | Not Quoted    | Not Quoted     | Not Quoted Any Firm |
| 22     | <b>Baby circuit</b><br>Country of Origin Japan<br>or Equivalent<br>2 Years free service, /<br>Warranty         | Not Quoted            | Not Quoted                    | Not Quoted    | Not Quoted    | Not Quoted     | Not Quoted Any Firm |
| 23     | <b>Magil circuit</b><br>Country of Origin Japan<br>or Equivalent<br>2 Years free service, /<br>Warranty        | Not Quoted            | Not Quoted                    | Not Quoted    | Not Quoted    | Not Quoted     | Not Quoted Any Firm |
| 24     | <b>Bain circuit</b><br>Country of Origin Japan<br>or Equivalent<br>2 Years free service, /<br>Warranty         | Not Quoted            | Not Quoted                    | Not Quoted    | Not Quoted    | Not Quoted     | Not Quoted Any Firm |
| 25     | <b>Defibrillator with trolley</b>                                                                              | Not Quoted            | Not Quoted                    | Not Quoted    | Not Quoted    | Not Quoted     | Not Quoted Any Firm |

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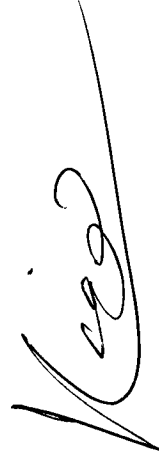
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| S. No. | Name Of Items                                                                                           | M/S Jasani Scientific | M/S Global Marketing services | M/S Optisurg. | M/S Lab Link. | M/S Ameer Din. | Remarks             |
|--------|---------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------|---------------|---------------|----------------|---------------------|
|        | Country of Origin Japan or Equivalent                                                                   |                       |                               |               |               |                |                     |
| 26     | Face Masks all Size<br>Country of Origin Japan or Equivalent<br>2 Years free service, / Warranty        | Not Quoted            | Not Quoted                    | Not Quoted    | Not Quoted    | Not Quoted     | Not Quoted Any Firm |
| 27     | LMA All size (Reusable)<br>Country of Origin Japan or Equivalent<br>2 Years free service, / Warranty    | Not Quoted            | Not Quoted                    | Not Quoted    | Not Quoted    | Not Quoted     | Not Quoted Any Firm |
| 28     | Savoflurence<br>Va[oprizer<br>Country of Origin Japan or Equivalent<br>2 Years free service, / Warranty | Not Quoted            | Not Quoted                    | Not Quoted    | Not Quoted    | Not Quoted     | Not Quoted Any Firm |

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