




Procurement of A&B Scan  
Ultrasound Graphy & Hand Held  
Autorefractmeter with Keratometer  
for Institute of Ophthalmology,  
LUMHSJamshoro.

Attendance Sheet of the tender for Technical Evaluation, Vide NIT LUMHS/PSS/- 465, Dated: 14-04-2023 on 31-05-2023 at 11:30 AM for Technical Evaluation Committee, regarding tender, Procurement of A&B Scan Ultrasound Graphy & Hand Held Autorefractmeter with Keratometer for Institute of Ophthalmology, LUMHS Jamshoro in the office of the Director, Institute of Ophthalmology, LUMHS, Jamshoro.

<u>SR. NO.</u>	<u>DESIGNATIONS OF OFFICER</u>	<u>NOMINATED</u>	<u>SIGNATURE</u>
•	<b>Prof. Arshad Ali lodhi</b> Director Institute of ophthalmology LUMHS, Jamshoro	<b>Convener</b>	
•	<b>Dr. Maria Nazish Memon,</b> Associate Professors, Institute of Ophthalmology LUMHS, Jamshoro	<b>Member</b>	
•	<b>Dr. Mehtab Alam Khanzada</b> Associate Professors, Institute of Ophthalmology LUMHS, Jamshoro	<b>Member,</b>	



LUMHS/PSS/ 465 Dated: 14-04-2023

**SPPRA NIT ID# T01904-21-0023**

Method and Procedure of Procurement: National Competitive Bidding (Single Stage- One Envelope

**MINUTES OF MEETING TECHNICAL EVALUATION**

The Meeting of Technical Committee regarding technical evaluation bids of Procurement of A&B Scan Ultrasoundgraphy & Hand Held Autorefractmeter with Keratometer for Institute of Ophthalmology, LUMHSJamshoro was held on 31<sup>st</sup> May 2023, 2023 at 11:30 am in the Office of the Director Institute of Ophthalmology, LUMHS, Jamshoro.

The following officers attended the meeting.

- |  |                  |
|--|------------------|
| <b>1. Prof. Arshad Ali lodhi,</b><br>Director, Institute of Ophthalmology,<br>LUMHS, Jamshoro.       | <b>Convener,</b> |
| <b>2. Dr. Mehtab Alam Khazada,</b><br>Associate Prof. Institute of Ophthalmology<br>LUMHS, Jamshoro. | <b>Member,</b>   |
| <b>3. Dr. Maria Nazish Memon,</b><br>Associate Prof. Institute of Ophthalmology                      | <b>Member,</b>   |

The Meeting started with the name of Almighty Allah. The following firms secured more than 70% score and were technically qualified as per Criteria.


- |   |                                   |
|---|-----------------------------------|
| 1 | M/s Jasani Scientifics Hyderabad  |
| 2 | M/s Ameer din Instruments Karachi |
| 3 | M/s Latif Brothers Karachi.       |


The Technical documents of participated firms were thoroughly examined / evaluated as per given Bid evaluation criteria above firms have qualified.


M/s Jasani Scientific Hyderabad, has Quoted Items Sr. No. 1 & 2 quoted & accepted as per Specification.  
M/s Ameer Din Karachi has Quoted Items Sr. No. 1 quoted & Accepted as per Specification.  
M/s Latif Brother Karachi, has Quoted Item Sr. No. 1 quoted & Accepted as per specification

The M/s Links Communication System Karachi firm secured less than 70% score and were technically disqualified as per Criteria.

In the end the Convener of Evaluation Committee thanked all members for attending the meeting.  
Technical Evaluation Committee

  
**Dr. Maria Nazish Memon,**  
Associate Professors, Institute of Ophthalmology  
LUMHS, Jamshoro (Member)

  
**Dr. Mehtab Alam Khazada,**  
Associate Professors, Institute of Ophthalmology  
LUMHS, Jamshoro (Member)

  
**Prof. Arshad Ali Lodhi**  
Director, Institute of Ophthalmology  
LUMHS Jamshoro (Convener)



**Purchase & Store Section,  
Liaquat University of Medical & Health Sciences, Jamshoro.**

**Tender opened: 15-05-2023**

**SPPRA NIT ID# T01904-21-0023**

**NIT: LUMHS/PSS/-465 Dated: 14-04-2023**

**Technical Comparative Statement of Procurement of A&B Scan Ultrasoundgraphy & Hand Held Autorefractometer with Keratometer for Institute of Ophthalmology, LUMHSJamshoro**

Sr. No.	Description of required Items	M/s Jasani Scientifics Hyderabad	M/s Links Communication System Karachi	M/s Ameer din Instruments Karachi	M/s Latif Brothers Karachi	Remarks
1.	<p><b>A&amp;B Scan Ultrasoundgraphy</b> A-Scan (Biometry) Frequency: 11MHz Adjustable gain; 20 to 110dB Method; Contact, Immersion Electronic resolution: 0.03mm (0.002") Types of Measurement; anterior chamber, lens, vitreous, total length, automatic calculation of the standard devia and average, results analysis Number of measurements: 10 Frozen image: auto, auto + save, manual 6 formulas for implant calculation: SRK II, HOLLDAY, BINKHORST-II, HOFFER-Q, HAIGIS Post-Op refractive calculation: 6 different methods for keratometry correction and implant calculation; history derived Refraction derived, contact lens method, ROSA Regression, SHAMMAS regression, double K/SRK-T (Dr Aramberri's formula)</p>	<p>A&amp;B Scan Ultrasoundgraphy A-Scan Biometry, PALMSCAN PRO Frequency 10MHz 7 discrete levels between high to low. Immersion &amp; Contact ± 10µm Anterior chamber, lens, vitreous, axial length, automatic calculation of the standard deviation and average, results analysis Total length, automatic calculation of the standard deviation and average, results analysis Number of measurement: 10 captues Auto –auto +save, manual Using 4 modern formulas HOLLDAY, BINKHORST-II, HOFFER-Q HAIGIS YES, Post refractive calculation of Ks 6 different methods for keratometry correction and implant calculation, history derived Refraction derived, contact lens method, ROSA Regression, SHAMMAS regression, double K/SRK-T Dr. Aramberri's formula yes</p>	<p>A&amp;B Scan Ultrasoundgraphy A-Scan Biometry, Frequency 10MHz 7 discrete levels between high to low. Immersion &amp; Contact ± 10µm Anterior chamber, lens, vitreous, axial length, automatic calculation of the standard deviation and average, results analysis Total length, automatic calculation of the standard deviation and average, results analysis Number of measurement: 10 captues Auto –auto +save, manual Using 4 modern formulas HOLLDAY, BINKHORST-II, HOFFER-Q HAIGIS YES, Post refractive calculation of Ks 6 different methods for keratometry correction and implant calculation, history derived Refraction derived, contact lens</p>	<p>Sonomed VuPad™ A&amp;B Scan System: A-Scan Sealed a-probe with 10MHz Transducer Standard probe for immersion or soft-touch probe for direct contact with minimal coeneal compression Scan mode: Direct contact or immersion Manual or automatic capture (Contaract, dens contaract, aphakic and pseudophakic) Measurement: Anterior chamber depth (ACD), lens thickness, vitreous and axial length AXL) Averages and standard deviation calculated for up to 10 scans per exam configurable zone tissue velocities IOL Formulas: Standard Binkhorst, regression-II, Theoretic /t, HKolloday, Hoffer-Q Haigis, Post refractive latkany myopic regression latkany Kyperopic Lens calculations in 0.25D increments with built in 1600+ lens database</p>	<p>A&amp;B Scan Ultrasoundgraphy A-Scan (Biometry) Model Compact touch Frequency: 11MHz Adjustable gain; 20 to 110dB Method; Contact, Immersion Electronic resolution: 0.03mm (0.002") Types of Measurement; anterior chamber, lens, vitreous, total length, automatic calculation of the standard devia and average, results analysis Number of measurements: 10 Frozen image: auto, auto + save, manual 6 formulas for implant calculation: SRK II, HOLLDAY, BINKHORST-II, HOFFER-Q, HAIGIS Post-Op refractive calculation: 6 different methods for keratometry correction and implant calculation; history derived, refraction derived, contact lens method, ROSA regression, SHAMMAS regression, double K/SRK-T (Dr Aramberri's formula)</p>	<p>M/s Jasani Scientific Hyderabad, m/s Ameer din Instruments Karachi &amp; M/s Latif Brother Karachi are quoted &amp; Accepted &amp; Qualified  M/s Links Communication Karachi has quoted &amp; reject as per country origin &amp; disqualified</p>

Technical Evaluation Committee

**Dr. Maria Nazish Memon,**  
Associate Prof. Institute of Ophthalmology  
LUMHS, Jamshoro (Member)

**Dr. Mehtab Alam Khanzada,**  
Associate Prof. Institute of Ophthalmology  
LUMHS, Jamshoro (Member)

**Prof. Arshad Ali Lodhi**  
Director, Institute of Ophthalmology  
LUMHS, Jamshoro (Convener)

Sr. No.	Description of required Items	M/s. Jasani Scientifics Hyderabad	M/s Links Communication System Karachi	M/s Ameer din Instruments Karachi	M/s Latif Brothers Karachi	Remarks
	<p><b>A&amp;B Scan Ultrasoundgraphy</b>            B-Scan (B-mode)            Frequency: 15MHz (High resolution)            Gain adjustable: from 20 to 110dB Dynamic range: adjustable from 25 to 90dB            Measuring tools; calipers, areas, angles,            markers, comments.            Axial resolution; 115um            Lateral resolution: 400um            With Compatible Printer            USA/ France/ Japan/ Switzerland            Two Years Warranty</p>	<p>A&amp;B Scan Ultrasoundgraphy            B- scan (B-Mode)            Frequency; 15MHz high resolution,            20-120dB (estimate)            90dB estimate,            Measuring tools: Calipers, areas, angles,            Markers, comments,            Axial resolution 62um            Lateral resolution 100um            Compatible Laser printer            Country Origin USA            Two Years Warranty</p>	<p>A&amp;B Scan Ultrasoundgraphy            B- scan (B-Mode)            Frequency; 15MHz high resolution,            20-120dB (estimate)            90dB estimate,            Measuring tools: Calipers, areas, angles,            Markers, comments,            Axial resolution 62um            Lateral resolution 100um            Compatible Laser printer            One Year Warranty            Country Origin Poland Europe</p>	<p>Sonomed VuPad™ A&amp;B Scan System:            B-Scan            Sealed 12 MHz or 20 MHz B-Probe (optional) with focused transducer            Scan Sampling 256 ray Scan Scan control: fully adjustable time – varied (TVG), baseline, log gain, and exponential (e-gain) Scan position indicator one click selection of axial or longitudinal scan clock position with eye modelconfirmation            Free form text for scan position details that automatically annoate onto images and video clips            Video Clips: Capture and store 50-frame video clips at up to 20 frames per second (FPS)            Reply in real-time, scalable slow motion, or one frame at a time            Store up to 6 video clips per eye per exam, asily add or remove video clips from exam record            Images: Separately save any number of individual frames from video clips as images, complete with annotations (s)            A-Scan Trace: superimpose arbitrary a-Scan trace onto images with a single button click            Measurement: unlimited measurements using linear calipers and angle measurement tool            System Contains: AB-Scan system console 10MHz A-probes 12 MHz B-Probe Laser Jet Printer form local Market            County Origin: USA            One Year Warranty</p>	<p>A&amp;B Scan Ultrasoundgraphy            B-Scan (B-mode)            Frequency: 15MHz (High resolution)            Gain adjustable: from 20 to 110dB            Dynamic range: adjustable from 25 to 90dB            Measuring tools; calipers, areas, angles, markers, comments.            Axial resolution; 115um            Lateral resolution: 400um            With Compatible Printer            Country Origin France            Two Years Warranty</p>	<p>M/s Jasani Scientific Hyderabad, M/s Ameer din Instruments Karachi &amp; M/s Latif Brother Karachi are quoted &amp; Accepted &amp; Qualified</p> <p>M/s Links Communication Karachi has quoted &amp; reject as per country origin &amp; disqualified</p>

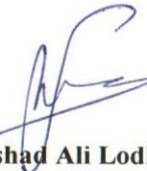
Technical Evaluation Committee



**Dr. Maria Nazish Memon,**  
 Associate Prof. Institute of Ophthalmology  
 LUMHS, Jamshoro (Member)



**Dr. Mehtab Alam Khanzada,**  
 Associate Prof. Institute of Ophthalmology  
 LUMHS, Jamshoro (Member)





**Prof. Arshad Ali Lodhi**  
 Director, Institute of Ophthalmology  
 LUMHS, Jamshoro (Convener)

Sr. No.	Description of required Items	M/s Jasani Scientifics Hyderabad	M/s Links Communication System Karachi	M/s Ameer din Instruments Karachi	M/s Latif Brothers Karachi	Remarks
2.	<p><b>Hand Held Autorefractometer with Keratometer</b>  <b>AUTOREFRACTOMETER</b>            Measurement range: -20 to +20 spherical and cyl 0-12.00D            Minimal pupil diameter 2mm  <b>AUTO KERATOMETER</b>            Curvature radius 5 to 13mm            Pupil size measurement range 1.00 to 10mm            Display 3.5 inch color LCD            USB Port, wireless lan            Power lithium ion battery 7.2V            Easy load thermal line printer with auto cutter            And USB I port LAN I port            USA/ France/ Japan/ Switzerland            Two Years Warranty</p>	<p>Hand held Autorefractometer with auto Keratometer            Model Handyref KBrand Nidek CO.,LTD Autorefractometer            Measure range: Sphere -20.00 to+20.00D (VD=12mm) (0.12/0.25D increment) cylinder 0 to 12.00D (0.12/0.25D Increments)            Axis 0 to 180° (1° /5° Increments)            Minimum Measureable pupil diameter: 62mm            Auto Keratometer            Measurement range: Curvature radius 5.00 to 13.00mm (0.01mm increments) refractive power 25.96 to 67.50 D(0.12/0.25D increments) cylindrical power 0 to 12.00 D (0.12/0.25D increments)            Axis 0 to 180° (1° /5° increments)            Sagittal measurement: 25° each from the center (Superior side, inferior side, temporal side, nasal side)            Pupil size measurement range: 1.0 to 10.0 mm (0.1mm increments)            Fixation target: scenery or Children's            Display 3.5-inch color LCD            Power Specification:            Battery pack: Lithium-ion battery (7.2V 1800mAh)            Station Feed: DC- V2A (Maximum)            Dimension/ Mass;            206(W)x181(D)x224(H)mm            Printer Thermal Line Printer with easy loading and auto cutter            Interface: USB 1 port, LAN: 1Port, RS-232C:1            Country Made Japan            Two Years Warranty</p>	Not Quoted	Not Quoted	Not Quoted	M/s Jasani Scientific Hyderabad is quoted & accepted & Qualified

Technical Evaluation Committee

  
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 Associate Prof. Institute of Ophthalmology  
 LUMHS, Jamshoro (Member)

  
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