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MINISTRY OF HEALTH AND WELLNESS

MHPDO/EQ/2024-2025/DO36 22 January 2025

The Managing Director
Chemical & Technical Suppliers (I.O) Ltd
1-10 Ste Marie Rd
Riche Terre
Fax:No.217-7001

Dear Sir,

Supply, Installation and Commissioning of Combined Biometer with Keratometer and other Medical Equipment for New Moka Eye Hospital

Please refer to your offer dated **29 April 2024** in response to our invitation for Bids, **Reference No.: MHPQ/EQ/2023-2024/Q38,** dated **03 April 2024** on the above subject.

2. We wish to inform you that your offer for the **Supply, Installation and Commissioning of Medical Equipment for New Moka Eye Hospitalas** per annex A, for the total amount of **Rs 26,432,000.00 (Rupees Twenty Six Million Four Hundred and Thirty Two Thousand only),** inclusive of all applicable charges, duties and taxes, all training cost and **exclusive of VAT**, subject to the specifications, terms and conditions of the bidding documents, has been approved.

3. As per clause **"Terms of Payment" in SCC 16.4** of the Bidding documents, any increase/decrease resulting from a fluctuation in the rate of exchange will be adjusted accordingly by the Ministry.

14/05/25

4. The equipment should be supplied, installed and commissioned within **four (4) to sixteen (16) weeks** as from the date of this Letter of Award, to **Procurement and Supply Section,New Moka Eye Hospital.**

5. Warranty shall be provided for a period of **two (2) years for each Item**, as from the date of successful commissioning of the equipment.

6. The installation and commissioning certificate must be signed by a representative from **the User Department, the Biomedical Engineering Unit/Surgical Technology Unit/the ESD and your Representative.**

Issued 22/01/25

7. Liquidated damages for delays, if any, will be charged **at the rate of 0.5%** of the contract price of the equipment, **per day of delay in commissioning the equipment.** The maximum amount of liquidated damages **shall be 10%.**

8. You are also required to maintain the equipment for a period of eight years which will be renewed on a yearly basis upon satisfactory performance after the end of the warranty period as follows:

Period	Item No. 6 Optical Coherence Tomography Machine with Angiography (OCTA) for Ophthalmology - (Rs) Excl. VAT 2 Units (Labour Basis Only)
Year 1	Warranty
Year 2	100,000.00 Per Unit
Year 3 (1st Maintenance)	105,000.00 Per Unit
Year 4 (2nd Maintenance)	110,000.00 Per Unit
Year 5 (3rd Maintenance)	116,000.00 Per Unit
Year 6 (4th Maintenance)	122,000.00 Per Unit
Year 7 (5th Maintenance)	128,000.00 Per Unit
Year 8 (6th Maintenance)	135,000.00 Per Unit
Year 9 (7th Maintenance)	141,000.00 Per Unit
Year 10 (8th Maintenance)	1,914,000.00 (Excluding VAT)
Total cost of Maintenance for 8 years 2 units, exclusive of VAT	

Period	Item No. 8 Photo Disruptive Yag Laser System for Ophthalmic Application - (Rs) Excl. VAT 2 Units (Labour Basis Only)
Year 1	Warranty
Year 2	56,000.00 Per Unit
Year 3 (1st Maintenance)	59,000.00 Per Unit
Year 4 (2nd Maintenance)	62,000.00 Per Unit
Year 5 (3rd Maintenance)	65,000.00 Per Unit
Year 6 (4th Maintenance)	69,000.00 Per Unit
Year 7 (5th Maintenance)	72,000.00 Per Unit
Year 8 (6th Maintenance)	76,000.00 Per Unit
Year 9 (7th Maintenance)	79,000.00 Per Unit
Year 10 (8th Maintenance)	1,076,000.00 (Excluding VAT)
Total cost of Maintenance for 8 years 2 units, exclusive of VAT	

Period	Item No. 9 Multi Spot Laser Photo Coagulator Machine - (Rs) Excl. VAT 1 Unit (Labour Basis Only)
Year 1	Warranty
Year 2	
Year 3 (1st Maintenance)	67,000.00 Per Unit
Year 4 (2nd Maintenance)	71,000.00 Per Unit
Year 5 (3rd Maintenance)	74,000.00 Per Unit
Year 6 (4th Maintenance)	78,000.00 Per Unit
Year 7 (5th Maintenance)	82,000.00 Per Unit
Year 8 (6th Maintenance)	86,000.00 Per Unit
Year 9 (7th Maintenance)	90,000.00 Per Unit
Year 10 (8th Maintenance)	94,000.00 Per Unit
Total cost of Maintenance for 8 years per unit, exclusive of VAT	**642,000.00 (Excluding VAT)**

9. You should provide, free of charge, local training for the proper operation of the equipment, to the User/Technical Staff as per the conditions of your offer. The venue of the local training would be the site of the Department where the equipment will be installed.

10. **Goods Form 1**will be drawn by the **Procurement and Supply Section, New Moka Eye Hospital**, upon confirmation by the User Department that the equipment has been delivered, installed and commissioned satisfactorily and are in good running condition. Payment will be then effected by the Finance Department of the Ministry and will be credited to your Bank Account after signature of **Goods Form 1.**

11. The following documents, in original, should consequently be submitted to the Procurement and Supply Section for payment purposes: -

(i) **Duly signed Goods Form 1;**
(ii) **Commercial Invoice, your bank name, address and bank account number;**
(iii) **Duly signed delivery note;**
(iv) **Warranty Certificate – Three copies; and**
(v) **Commissioning Certificate – Three copies.**

19/02/25

12. You are requested to submit **within twenty-eight (28) days** as from the date of this letter, a **Performance Security** representing 10% of the contract value in the form of a Bank Guarantee issued by a Commercial Bank operating in Mauritius. The security should be valid for a period of **twenty-eight (28) days beyond the warranty period** which takes effect after the commissioning of the equipment and should be submitted to the **Procurement Unit, Ministry of Health and Wellness, 10th Floor Emmanuel Anquetil Building, Port Louis.** In the event of delay in the delivery and/or commissioning of the equipment, you shall extend this security for the period mentioned above. Failure to submit the required performance security within the prescribed time limit may result in an automatic cancellation of the Award.**No item(s) will be accepted prior to submission of a valid performance security.**

13. Any correspondence or query in regard to this Award should be addressed to the Senior Chief Executive, **Attn: B.S. Gungadeen (Mrs)**, Deputy Permanent Secretary, 5th floor, Ministry of Health and Wellness, Emmanuel Anquetil Building, SSR Street, Port Louis(**Fax No. 214-3323**).

14. Please acknowledge receipt of this Letter of Award by return fax **(211-6864/214-9006) within ten (10) days as from the date of issue of this letter.**

15. This Letter of Award and your offer dated **29 April 2024** shall constitute a binding agreement between you and the Ministry of Health and Wellness.

Yours faithfully,

R.K.Bunjun
for Senior Chief Executive

Annex A

ANNEX TO LETTER OF AWARD: MHPDO/EQ/2024-2025/DO36

Supply, Installation and Commissioning of Combined Biometer with Keratometer and other Medical Equipment for New MokaEye Hospital

Item No	Description	Quantity unit	Rate (Rs)	Total Amount (excl. VAT) (Rs)
6	Optical Coherence Tomography Machine with Angiography (OCTA) for Ophthalmology Make: CARL ZEISS Model: CIRCUS 6000 with Angioplex Origin: USA	2 units	6,666,000.00	13,332,000.00
8	Photo Disruptive Yag Laser System for Ophthalmic Application Make: CARL ZEISS Model: VISULAS YAG III WITH SL IMAGING SOLUTIONS Origin: GERMANY	2 units	4,100,000.00	8,200,000.00
~~9~~	~~Multi Spot Laser Photo Coagulator Machine~~ ~~Make: CARL ZEISS~~ ~~Model: VISULAS YAG III WITH SL IMAGING SOLUTIONS~~ ~~Origin: GERMANY~~	~~1 unit~~	~~4,900,000.00~~	~~4,900,000.00~~
Total Amount (Rs) inclusive of all applicable charges duties and taxes and exclusive of VAT				26,432,000.00

Copy to:
DPS (Mrs. G)
Manager, Financial Operations
Manager, Internal Control
RHD, Dr A.G Jeetoo Hospital Hospital
Manager Procurement and Supply, New Moka Eye Hospital
Manager Procurement and Supply, Dr A.G Jeetoo Hospital
Biomedical Unit, New Moka Eye Hospital
Biomedical Unit, Dr A.G Jeetoo Hospital
MHPQ/EQ/2023-2024/Q38
Flimsy

	5.40.4	Original certificates from manufacturer specifying date of manufacture, make, model, serial number, software version, place of manufacture or assembly, and acceptance test/quality assurance certificate for every equipment should be submitted at time of commissioning.	Bidder to comply	N/A		
	5.40.5	Full catalogue for accessories and consumables to be supplied at time of commissioning	Bidder to comply	N/A		
6.0	Optical Coherence Tomography (OCTA) for Ophthalmology					
	Serial No.	**Description**	**Evaluation criteria**	**Compliance response**	**Details of non-compliance, if applicable**	
	6.1	Make of equipment:	Bidder to specify	CARL ZEISS		
	6.2	Model of equipment:	Bidder to specify	CIRRUS 6000 with AngioPlex		
	6.3	Country of Manufacture:	Bidder to specify	USA		

	6.4	Each of the following requirements must be shown and highlighted in the brochure/technical specifications by the bidder. In case the information required is not found in the brochure/technical specifications, authentic documentations, signed by the manufacturer, must be submitted by the bidder to provide evidence of compliance and/or details of non-compliance and degree of deviation from the specifications	Bidder to comply	Yes, complies Technical specifications highlighted and labelled in brochure submitted	

	6.5	Model quoted should be the latest launched by manufacturer and should match all technical and regulatory standards stated in the bidding documents	Bidder to comply	Yes, complies The Cirrus 6000 with AngioPlex is the latest device by Carl Zeiss in OCT. It offers advanced imaging capabilities, including high-speed scanning, enhanced depth imaging, and various imaging modalities such as fundus photography and angiography. The device is in compliance with all relevant legislations.	
	6.5.1	Original documents from manufacturer specifying the release date and version of the model quoted to be submitted	Bidder to comply	Yes, complies Original documents with the requested details will be submitted at the time of commissioning	
	6.5.2	The model quoted should appear on the official website of the manufacturer. Web link to verify the equipment on the official manufacturer website should be provided at time of bid	Bidder to comply	Yes, complies Link as follows; https://www.zeiss.com/meditec/en/products/optical-coherence-tomography-devices/cirrus-6000-performance-oct.html	

	6.6	Original manufacturer certified brochure including full technical specifications to be submitted. The original brochures and technical specifications must bear the seal of the manufacturer. In case the catalogue is a copy of the original, the bidder must certify the copy by writing 'Certified to be a true copy of the original seen by me 'on each page of the document, signing it, dating it, printing their name under the signature and adding their occupation.	Bidder to comply	Yes, complies Certified true copy of manufacturer brochure with Chemtech seal to be submitted	

	6.7	General Description: Bench top optical coherence tomography equipment with non-invasive angiography capability	Bidder to comply	Yes, complies The CIRRUS 6000 with AngioPlex combines optical coherence tomography (OCT) with non-invasive angiography capabilities for advanced retinal imaging. It provides high-resolution images of the retina's structure and visualization of blood flow, aiding in diagnosing and monitoring retinal diseases such as macular degeneration and diabetic retinopathy	
	6.7.1	Designed to use light waves to take cross sectional pictures of the retina	Bidder to comply	Yes, complies The OCT images are created by comparing the time delay and intensity of the light that is reflected back from different depths within the tissue, CIRRUS 6000 creates high-resolution cross-sectional images.	

	6.7.2	Provide axial cross-sectional, three-dimensional imaging and measurement of anterior and posterior ocular structures	Bidder to comply	Yes, complies Anterior and posterior segment scans are axial cross-sectional cube scans with 3D visualisation.	
	6.7.3	Intended clinical application: To be used in the diagnosis of retinal diseases, Glaucoma, assessment of Retinal Nerve Fibre Layer (RNFL), Age related Macular degeneration, diabetic eye diseases, Optic Nerve Head, Ganglion Cell, in-vivo viewing, etc	Bidder to comply	Yes, complies For the diagnosis and evaluation of retinal diseases such as age related macular degeneration, diabetic retinopathy, assessment of the RFNL, Optic Nerve Head, Ganglion cell, in-vivo view and glaucoma by providing high-resolution cross-sectional images of the retina and optic nerve. With AngioPlex, the system enables non-invasive imaging of blood flow in the retina and choroid using OCT angiography (OCTA). This helps in detecting and monitoring conditions such as macular edema, retinal vascular occlusions, and choroidal neovascularisation.	

	6.8	PRODUCT STANDARDS AND COMPLIANCE	Bidder to comply	Yes, complies	
	6.8.1	Equipment should conform to at least TWO of the following international regulatory standards for medical devices from the list below:-	Bidder to comply	Yes, complies US FDA clearance with web links and CE certificate submitted.	
	6.8.2	US FDA approval or clearance. Bidder to mention device classification as per US FDA. Valid documents of conformity to be submitted. For US FDA, web links to verify approval or clearance of the proposed medical device on official database of FDA should be provided. For 510(k) cleared devices, the 510 (k) letter from FDA should also be submitted at the time of bid with clear mention of the make/model of the device.	Bidder to comply	N/A	

	6.8.3	PMDA (Japan) approval pertaining to medical devices. Bidder to mention device classification as per PMDA (Japan). For Class II controlled (medium risk), class III and Class IV devices, bidder to submit a Pre-Market Approval certificate issued by the MHLW (Ministry of Health, Labor and Welfare, JAPAN). For specified controlled Class II devices (medium-low risk, bidder to submit a pre-market certificate issued by a Japanese registered certified body that has been designated by PMDA (Japan)	Bidder to comply	N/A	
	6.8.4	European CE marked. Bidder to mention device classification. Original certificates/ documents of compliance to regulatory standards required above should be submitted with clear mention of the manufacturers name, make/model of Proposed equipment, details of notifying body for CE marking	Bidder to comply	Yes, complies CE Certificate attached	

	6.9	Equipment to conform to international electrical safety standards as applied to medical electrical equipment i.e. IEC 60601-1. Bidder to submit valid certified documentary evidence of conformity	Bidder to comply	Yes, complies Documentary evidence submitted	
	6.10	Equipment to conform to international safety and electromagnetic compatibility (EMC) standards as applied to Medical Electrical Equipment i.e. IEC 60601-1-2 Bidder to submit valid certified documents as evidence of conformity	Bidder to comply	Yes, complies IEC Certificate attached	
	6.11	Manufacturer of the proposed equipment should have ISO certificates pertaining to quality management systems for medical devices i.e. I3485. Conformity documents/ certificates to be submitted at time of bid	Bidder to comply	Yes, complies ISO certificates submitted	
	6.12	POWER SUPPLY REQUIREMENTS	Bidder to comply	Yes, complies	
	6.12.1	Single phase 230 V ± 6 % at 50 Hz ± 1.5 %	Bidder to comply	Yes, complies Voltage and Mains Frequency 100-240VAC, 50/60 Hz	

	6.12.2	Power cord requirements: (i) 3-core with fused molded type plug to BS 1363 with nickel plated solid pins, BSI Kite-marked, rated to 450/750V. The maximum rated current of the fuse shall not exceed 13 A. (ii) Length of power cord: not less than 4 meters	Bidder to comply	Yes, complies 5m BS 3-core moulded power cord included	
	6.12.3	Suitable UPS for minimum 15 minutes back up to cover the whole equipment	Bidder to comply	Yes, complies External 2 KVA, maintenance free UPS providing 15 mins of backup included.	
	6.13	TECHNICAL SPECIFICATIONS	Bidder to comply	Yes, complies Technology used for scanning is spectral domain OCT with a superluminescent diode (SLD), 840 nm	

	6.14	OCT scanning methods (either one of the technologies listed below): Spectral domain OCT by using super luminescent diode with wavelength of near 800 nm OR Swept-source technology with wavelength of near 1050 nm	Bidder to comply	Yes, complies OCT with HD Line Scanning Laser Ophthalmoscope (LSO)	
	6.15	The Optical coherence tomography with High definition line scanning	Bidder to comply	Yes, complies	
	6.15.1	Ability to perform posterior and anterior segment scans	Bidder to comply	Yes, complies	
	6.15.2	Anterior segment scans to include pachymetry, high definition corneal scan, anterior chamber assessment	Bidder to comply	Yes, complies Anterior segment scans include cube, HD Cornea, Pachymetry, HD Angle, Wide Angle-to-Angle, Anterior Chamber Assessment and 5-Line Raster	

	6.15.3	Posterior segment scan should include capability to perform non-invasive angiography , OCTA i.e. take pictures of blood vessels and under the retina without the need to use dye	Bidder to comply	Yes, complies Non-invasive angiography capability without dye included with AngioPlex	
	6.15.4	Axial resolution: at least 6 µm in tissue	Bidder to comply	Yes, complies Axial resolution is 5 µm (in tissue) and 1.95 µm (digital) which coupled with the scan speed guarantees high definition scan images.	
	6.15.5	Transverse resolution: at least 16 µm in tissue	Bidder to comply	Yes, complies Transverse resolution is 12 µm (in tissue) which coupled with the scan speed guarantees high definition scan images.	
	6.15.6	Posterior segment scan length for OCT: 4-10 mm	Bidder to comply	Yes, complies Raster scan length 3-12 mm	
	6.15.7	OCTA segment scan for macula: 3x3, 6x6 and 8x8 mm	Bidder to comply	Yes, complies OCTA segment scan for macula is 3x3, 6x6, 8x8 and 12x12 mm	

	6.16	Minimum A-scan speed : at least 80,000 per second Minimum A-scan depth : at least 2.5 mm in tissue	Bidder to comply	Yes, complies A-scan speed is 100,000 A-scans per second A-scan depth is 2.0 - 2.9 mm (in tissue)	
	6.17	The OCT machine must also provide fundus imaging by using line scanning method.	Bidder to comply	Yes, complies This is performed with the Line Scanning Laser Ophthalmoscope (LSO).	
	6.18	Possibility of live fundus imaging	Bidder to comply	Yes, complies Live images can be viewed.	
	6.19	Fundus imaging with field of view of 35 x 30 or better degrees	Bidder to comply	Yes, complies Field of view is 36x30 degrees	
	6.20	Must have an internal and external focusing adjustments	Bidder to comply	Yes, complies	
	6.21	Have autofocus, tracking facilities, during scanning	Bidder to comply	Yes, complies Autofocus and FastTrack eye tracking technology reduces the chance of motion artifacts such as those caused by blinks and saccades.	

	6.22	Min. pupil diameter: At least 2.5 mm	Bidder to comply	Yes, complies Min. pupil diameter is 2.0 mm	
	6.23	Weight: Less than 45 kg	Bidder to comply	Yes, complies The weight of the device is approximately 44kg	
	6.24	Clinical Analysis and quantification applications :-	Bidder to comply	Yes, complies	
	6.24.1	Ability to image microvasculature of the retina and choroid	Bidder to comply	Yes, complies	
	6.24.2	Retinal analysis including macular thickness analysis	Bidder to comply	Yes, complies	

	6.24.3	Glaucoma analysis package including glaucoma progression analysis, ganglion cell , retinal nerve fibre layer thickness, optic nerve head evaluation	Bidder to comply	Yes, complies Glaucoma package includes: Guided Progression Analysis Ganglion Cell/IPL Thickness with Reference Database (Diversified and Asian) RNFL Thickness with Reference Database (Diversified and Asian) ONH Parameters with Reference Database (Diversified and Asian) Average cup-to-disc ratio Average, Superior, and Inferior RNFL Thickness CIRRUS Wellness Exam	

	6.24.4	Anterior segment	Bidder to comply	Yes, complies Anterior Segment: 9 mm Epithelial Thickness and Pachymetry Mapping HD Cornea with Cornea Caliper Tool ChamberView Full Anterior Chamber Imaging for phakic IOL sizing and safety distance measurements Angle imaging and measurement tools for Glaucoma (AOD, TISA, SSA)	
	6.24.5	OCT Angiography quantification	Bidder to comply	Yes, complies	

	6.24.6	Further details from brochure for each clinical analysis software mentioned above should be provided at time of bid	Bidder to comply	Yes, complies Glaucoma analysis package: Guided Progression Analysis (GPA) provides both trend and event-based analyses that determine if change has occurred that exceeds test-retest variability and quantify rate of change for key RNFL, ONH, and GCL/IPL parameters. Ganglion Cell Analysis helps identify macular glaucomatous damage, which can be missed with RNFL analysis alone. CIRRUS RNFL thickness deviation maps have been shown to be superior for detecting localized RNFL defects, compared to traditional peripapillary RNFL thickness measurements. AngioPlex Metrix for Macula and ONH allows clinicians to objectively assess and track progressive eye	

						diseases such as diabetic retinopathy and glaucoma with quantification tools such as Vessel Density, Perfusion Density, and Foveal Avascular Zone (FAZ) for the macula, and Capillary Flux Index for the optic nerve head. Anterior Segment Premier Module: 9 mm high-definition cornea imaging with semi-automated measurement tools for flap thickness and residual stromal bed. ChamberView A patented 15.5 mm wide view of the entire anterior chamber with objective tools for measuring anterior segment ocular structures. Wide Angle to Angle Scan - Provides exquisite detail of the iridocorneal angle and includes measurement tools for Angle Opening Distance (AOD500/750) and Trabecular Iris Space Area (TISA500/750) to	

				quantify and track degree of angle closure.	
	6.25	OCT-A software may have either amplitude decorrelation or phase variance motion detection methods/algorithms	Bidder to comply	Yes, complies AutoCenter is ZEISS patented algorithm automatically identifies the optic nerve head using Bruchs Membrane Opening BMO in 3 dimensions for more precise measurement of the neuro-retinal rim, accounting for tilted discs, disruptions to the RPE and other challenging pathology.	
	6.26	OCT-A application software should not require the use of fluorescin and indocyanine-green injectable dye on patients for visualization	Bidder to comply	Yes, complies No dye required for angiography.	
	6.27	OCT-A software should enable assessment of optic nerve disorders particularly in glaucoma cases	Bidder to comply	Yes, complies	
	6.28	OCT cube scanning technology with scan depth of at least 2.5 mm	Bidder to comply	Yes, complies OCT cube scan depth is 2.9mm	

	6.29	Full software license for OCT-A imaging should be activated. Demo option will not accepted	Bidder to comply	Yes, complies Fully activated software license will be provided.	
	6.30	OCT-A angiography functionality should be able to produce images in at least four standard anatomical zones inside the eye: superficial retinal plexus, deep retinal plexus, outer retina, and choriocapillaris	Bidder to comply	Yes, complies The Cirrus 6000 OCT-A system provides imaging capabilities across multiple anatomical zones inside the eye, including the superficial retinal plexus, deep retinal plexus, outer retina, and choriocapillaris.	
	6.31	Equipment should have technology for enhanced visualization, artefact reduction especially for background noise reduction due to small eye movements	Bidder to comply	Yes, complies FastTrac eye tracking technology reduces the chance of motion artifacts such as those caused by blinks and saccades.	
	6.32	Internal storage: At least 2 TB with solid state drive	Bidder to comply	Yes, complies Internal storage is 2 TB with 128 GB SSD (> 80,000 scans)	
	6.33	Windows operating system: At least windows 10	Bidder to comply	Yes, complies Operating system is Windows 10 Enterprise	

	6.34	Display integrated at least 18 High definition LCD display	Bidder to comply	Yes, complies Display is an integrated 22 inch Widescreen HD monitor	
	6.35	At least 6 USB ports	Bidder to comply	Yes, complies Device has 10 USB ports	
	6.36	Must be supplied with a compatible motorized table	Bidder to comply	Yes, complies Fully motorised table with central lock system IT1060i (WxD 1060mm x 420 mm) included.	
	6.37	Must be supplied with a compatible colour laser printer	Bidder to comply	Yes, complies HP Colour LaserJet Pro M255DW will be supplied.	
	6.38	WARRANTY AND MAINTENANCE	Bidder to comply	Yes, complies	
	6.38.1	Warranty: At least two years including labour and spare parts as from date of commissioning.	Bidder to comply	Yes, complies	

	6.38.2	The warranty must include free of cost schedule preventive servicing/maintenance, calibration and applicable software upgrades as per manufacturers recommendations	Bidder to comply	Yes, complies	
	6.38.3	Bidder to quote for eight years post warranty maintenance contract on labour only basis. Maintenance works will have to be carried out as per maintenance checklist recommended by manufacturer. Bidder to copy of maintenance protocol checklist from service manual at time of bid.	Bidder to comply	Yes, complies Quote submitted for 8 years labour contract with maintenance protocol checklist submitted	
	6.39	TRAINING	Bidder to comply	Yes, complies	
	6.39.1	Training schedule: A Plan of Training programme shall be submitted at time of delivery of equipment to the respective; Regional Health Director, Consultant-in-Charge and Biomedical Engineer.	Bidder to comply	Yes, complies A plan of training programme will be submitted at delivery	

	6.39.2	Application training: Comprehensive application training regarding operation/functionalities of the equipment for a minimum period of 5 full working days to be given to end users by a certified application specialist from manufacturer.	Bidder to comply	Yes, complies A plan of training programme will be submitted at delivery.	

	6.39.3	Technical training: At least three days technical training to be given to biomedical staff by factory trained service engineer/technician. Technical training should include: I.Theory and practical training by a factory trained technician/service engineer II.Technical materials (training handbook) to be submitted including troubleshooting procedures. III.Training should cover troubleshooting with respect to errors, messages and codes, repair and calibration procedures. IV.During technical training, supplier should be equipped with calibrated test tools to demonstrate performance and functional/output tests as recommended in technical manuals . V.All disposable accessories (namely connectors, cables) should be provided for training purposes.	Bidder to comply	Yes, complies Technical training will be given for a minimum of 2 days on-site by our factory-trained service technician and will cover all mentioned requirements. No disposable accessories required.	

Government of Mauritius e-Procurement System
Document Name: Supply, Installation and Commissioning of Combined Biometer with Keratometer & other Medical Equipment for New Moka Eye Hospital - MHPQ/EQ/2023-2024/Q38
Tender NO. : HEALTH/IFB/2024/1661

	6.40	ACCESSORIES TO BE SUPPLIED PER EQUIPMENT	Bidder to comply	Yes, complies	
	6.40.1	Standard accessories to make the equipment fully functional	Bidder to comply	Yes, complies Wired keyboard and mouse included	
	6.41	ADDITIONAL REQUIREMENTS	Bidder to comply	Yes, complies	
	6.41.1	Bidder to state life expectancy of equipment which should be at least ten years	Bidder to comply	Life expectancy of the equipment is an average of 10 years	
	6.41.2	Relevant documents/letter from manufacturer should be submitted at time of bid as proof of equipment lifespan claimed	Bidder to comply	Chemtech to issue statement	
	6.42	AFTER SALES	Bidder to comply	Yes, complies	
	6.42.1	Ability to supply spare parts and to maintain the equipment as and when required throughout the life expectancy of the equipment	Bidder to comply	Yes, complies	

	6.42.2	Successful bidder shall be responsible to make arrangements at their end to provide continuous technical support throughout the equipment lifespan even if they lose distributorship of the equipment	Bidder to comply	Yes, complies	

	6.43	The bidder must have an established service facility at the time of the bid. This must include: i.A workshop equipped with diagnostic tools. ii.At least one Biomedical Engineer/service engineer with relevant experience on medical equipment and two service technicians. Proof of qualifications must be submitted. iii.Trained staff on the type of equipment proposed. Relevant proof of valid technical training certificate must be submitted. iv.Availability /ability to supply spare parts within agreed time by client i.e. within a week. v.Failure to submit evidence for this established service facility will result in an automatic rejection of the bidder.	Bidder to comply	Yes, complies Refer to statement by Chemtech submitted	

	6.44	Technical support from bidder should be on a 24/7 hour basis during lifetime of the equipment. Response time to attend to technical faults reported by end users/hospital administration/BME staff should be within 3 hours as from the time that the request for repair is made	Bidder to comply	Yes, complies Technical support will be provided as requested during the warranty period and within the duration of the maintenance contract. A 3 hour response time will be respected during the warranty period and within the duration of the maintenance contract.	
	6.45	In case that the local contractors engineers/technician are unable to diagnose a fault locally, remote assistance from the manufacturers Technical Support Centre should be sought urgently to repair the equipment in the shortest delay	Bidder to comply	Yes, complies	

	6.46	During the warranty period, should the physical presence of an overseas engineer be required for troubleshooting and repair of the equipment, same should attend to the repairs of the equipment fully at the contractors cost	Bidder to comply	Yes, complies	
	6.47	MANUALS/DOCUMENTATIONS/SOFTWARE TOOLS	Bidder to comply	Yes, complies	
	6.47.1	All original installation software, software reload drivers and service diagnostic tools to reconfigure machine or to verify performance and functionality of equipment should be provided either on pen drives at the time of commissioning.	Bidder to comply	Yes, complies Pen drive with the requested software will be provided.	
	6.47.2	Full user manual to be provided (2 hard copies and 1 soft copy per equipment).	Bidder to comply	Yes, complies	

	6.47.3	Full service manual with assembly diagrams, including spare parts list (2 hard copies and 1 soft copy per equipment). Errors and malfunction codes should be fully documented in the service manuals.	Bidder to comply	Yes, complies	
	6.47.4	Original certificates from manufacturer specifying date of manufacture, make, model, serial number, software version, place of manufacture or assembly, and acceptance test/quality assurance certificate for every equipment should be submitted at time of commissioning.	Bidder to comply	Yes, complies All documentation as requested will be submitted	
7.0	Digital Fundus Camera				
	Serial No.	**Description**	**Evaluation criteria**	**Compliance response**	**Details of non-compliance, if applicable**
	7.1	Make of equipment:	Bidder to specify	Carl Zeiss	
	7.2	Model of equipment:	Bidder to specify	Clarus 700	
	7.3	Country of Manufacture:	Bidder to specify	GERMANY	

	7.36.4	Original certificates from manufacturer specifying date of manufacture, make, model, serial number, software version, place of manufacture or assembly, and acceptance test/quality assurance certificate for every equipment should be submitted at time of commissioning	Bidder to comply	Yes, complies All documentation as requested will be submitted at the time of commissioning	
8.0	Photo Disruptive Yag Laser System for Ophthalmic Application				
	Serial No.	**Description**	**Evaluation criteria**	**Compliance response**	**Details of non-compliance, if applicable**
	8.1	Make of equipment:	Bidder to specify	Carl Zeiss	
	8.2	Model of equipment:	Bidder to specify	VISULAS YAG III with SL imaging solutions.	
	8.3	Country of Manufacture:	Bidder to specify	Germany.	

	8.4	Each of the following requirements must be shown and highlighted in the brochure/technical specifications by the bidder. In case the information required is not found in the brochure/technical specifications, authentic documentations, signed by the manufacturer, must be submitted by the bidder to provide evidence of compliance and/or details of non-compliance and degree of deviation from the specifications	Bidder to comply		Yes, complies Highlighted and labeled technical specifications in brochure and technical manual submitted.	
	8.5	Model quoted should be the latest launched by manufacturer and should match all technical and regulatory standards stated in the bidding documents	Bidder to comply		Yes, complies The Visulas Yag III with SLT laser system is the latest model by Carl Zeiss and matches all the required regulation.	
	8.5.1	Original documents from manufacturer specifying the release date and version of the model quoted to be submitted	Bidder to comply		Yes, complies Refer to attached letter for release date and version	

	8.5.2	The model quoted should appear on the official website of the manufacturer. Web link to verify the equipment on the official manufacturer website should be provided at time of bid	Bidder to comply	Yes, complies	
	8.6	Original manufacturer certified brochure including full technical specifications to be submitted. The original brochures and technical specifications must bear the seal of the manufacturer. In case the catalogue is a copy of the original, the bidder must certify the copy by writing 'Certified to be a true copy of the original seen by me' on each page of the document, signing it, dating it, printing their name under the signature and adding their occupation	Bidder to comply	Link As follows https://www.zeiss.com/meditec/en/products/therapeutic-lasers/visulas-yag.html.	
	8.7	Intended application: To be used in post cataract photo-disruptive treatments such as posterior capsulotomy and iridotomy	Bidder to comply	Yes, complies Original manufacturer certified brochure with all details submitted.	

	8.8	PRODUCT STANDARDS AND COMPLIANCE	Bidder to comply		Yes, complies The Visulas YAG III laser system is intended for use in ophthalmic procedures that require the application of laser energy to the eye. Specifically, it is designed for YAG (Yttrium-Aluminum-Garnet) laser capsulotomy and peripheral iridotomy procedure. YAG capsulotomy is a common treatment for posterior capsule opacification (PCO), a condition that can occur after cataract surgery where the posterior capsule of the lens becomes cloudy. The Visulas YAG III laser system delivers precise laser energy to create an opening in the cloudy capsule, restoring clear vision for the patient.	

	8.8.1	Equipment should conform to at least one of the following international regulatory standards for medical devices from the list below:-	Bidder to comply	Yes, complies	
	8.8.2	US FDA approval or clearance. Bidder to mention device classification as per US FDA. Valid documents of conformity to be submitted. For US FDA, web links to verify approval or clearance of the proposed medical device on official database of FDA should be provided. For 510(k) cleared devices, the 510 (k) letter from FDA should also be submitted at the time of bid with clear mention of the make/model of the device	Bidder to comply	N/A	

	8.8.3	PMDA (Japan) approval pertaining to medical devices. Bidder to mention device classification as per PMDA (Japan). For Class II controlled (medium risk), class III and Class IV devices, bidder to submit a Pre-Market Approval certificate issued by the MHLW (Ministry of Health, Labor and Welfare, JAPAN). For specified controlled Class II devices (medium-low risk, bidder to submit a pre-market certificate issued by a Japanese registered certified body that has been designated by PMDA (Japan)	Bidder to comply	N/A	
	8.8.4	European CE marked. Bidder to mention device classification. Original certificates/ documents of compliance to regulatory standards required above should be submitted with clear mention of the manufacturers name, make/model of Proposed equipment, details of notifying body for CE marking	Bidder to comply	Yes, complies CE certificate submitted	

	8.9	Equipment to conform to international electrical safety standards as applied to medical electrical equipment i.e. IEC 60601-1. Bidder to submit valid certified documentary evidence of conformity	Bidder to comply	Yes, complies IEC certificate submitted	
	8.10	Equipment to conform to international safety and electromagnetic compatibility (EMC) standards as applied to Medical Electrical Equipment i.e. IEC 60601-1-2. Bidder to submit valid certified documents as evidence of conformity	Bidder to comply	Yes, complies IEC certificate submitted	
	8.11	Manufacturer of the proposed equipment should have ISO certificates pertaining to quality management systems for medical devices i.e. I3485. Conformity documents/ certificates to be submitted at time of bid	Bidder to comply	Yes, complies ISO certificate submitted	
	8.12	Equipment to conform with international standards for safety of laser products – DIN EN 60825 or CFR 1040.10/11	Bidder to comply	Yes, complies Documentary evidence submitted.	

	8.13	Bidder to state class of laser i.e whether class 3 or 4 depending on aiming beam wavelength	Bidder to comply		Yes, complies Laser class in accordance with IEC 60825-1: which is class 4.	
	8.14	POWER SUPPLY REQUIREMENTS	Bidder to comply		Yes, complies	
	8.14.1	Single phase 230 V ± 6 % at 50 Hz ± 1.5 % with TT earthing system	Bidder to comply		Yes, complies 100–240 V, 50 / 60 Hz with TT earthing system	
	8.14.2	Power cord requirements: (i) 3-core with fused molded type plug to BS 1363 with nickel plated solid pins, BSI Kite-marked, rated to 450/750V. The maximum rated current of the fuse shall not exceed 13 A. (ii) Length of power cord: not less than 4 meters.	Bidder to comply		Yes, complies	
	8.14.3	Suitable UPS with maintenance free batteries for minimum 15 minutes back up should be supplied with the system	Bidder to comply		Yes, complies External 2 KVA, maintenance free UPS providing 15 mins of backup included.	
	8.15	TECHNICAL SPECIFICATIONS	Bidder to comply		Yes, complies	

	8.15.1	Laser type: Nd Yag laser, solid state and Q- switched	Bidder to	comply	Yes, complies Nd:YAG laser, Flash lamp-pumped, and q-switched.	
	8.15.2	Mode : Gaussian	Bidder to	comply	Yes Complies It comes with the Super Gaussian Mode	
	8.15.3	Disruption laser wavelength: 1064 nm	Bidder to	comply	Yes, complies Wavelength of therapy beam 1064 nm	
	8.15.4	Optical Breakdown Energy: 2.0 - 2.5 mJ in air	Bidder to	comply	Yes, complies	
	8.15.5	Pulse Length: 4 nanosecond or less	Bidder to	comply	Yes, complies Pulse length: < 4 ns (typically 2 ns to 3 ns).	
	8.15.6	Max laser energy level: In Single pulse mode: at least 10 mJ In Double pulse mode : at least 20 mJ In Triple pulse mode : at least 30 mJ	Bidder to	comply	Yes, complies Pulse mode: single, double or triple pulse. Energy range (without attenuation): Pulse mode 1: 9.0 to 13.0 mJ (max.) Pulse mode 2: 18.0 to 28.0 mJ Pulse mode 3: 29.0 to 45.0 mJ (pg-111)	

	8.15.7	Energy attenuation levels: min 20 levels	Bidder to comply		Yes, complies Energy attenuation of 22 levels: 2/4/6/8/10/12/14/16/20/24/28/32/36/40/42/48/56/60/64/70/80/100 % Transmission	
	8.15.8	Pulse repetition frequency: up to 2.3 Hz or better	Bidder to comply		Yes, complies Max. pulse repetition rate: 2.5 Hz (5 shots/2 s)Single pulse. 1 Hz (1 shot/1 s) Double Pulse. 0.5 Hz (1 shot/2 s) Triple Pulse.	
	8.15.9	Focus diameter: in the range of 8 – 10 µm in air	Bidder to comply		Yes, complies The laser system comes with Focus Diameter of 10 µm in Air.	
	8.15.10	Exit aperture angle: at least 14 degrees	Bidder to comply		Yes, complies The Angle of exit aperture (divergence) 16° (round angle)	
	8.15.11	Aiming beam focusing system: Equipment should have at least a 3 – point aiming beam focus.	Bidder to comply		Yes, complies The visulas Yag laser system comes with Four-point aiming beam system for focusing	

	8.15.12	Aiming beam power: up to 145 or better µW ± 1.5 %	Bidder to comply	Yes, complies Diode, 4-point aiming beam (switchable to 2-point aiming beam), 660 nm to 680 nm, max. 150 micro W at the cornea	
	8.15.13	Aiming beam diode wavelength:- in the range of 635- 670 nm	Bidder to comply	Yes, complies Aiming beam Diode is 660nm to 680 nm with a Four-point aiming beam system for focusing .	
	8.15.14	Variable focus shift between -145 to 140 micrometer	Bidder to comply	Yes Complies Focus shift between aiming beam and therapy beam. Posterior: +150 µm (therapy beam focus behind aiming beam) Zero: 0 µm (no focus shift between therapy and aiming beam) Anterior: -150 µm (therapy beam focus in front of aiming beam) Tolerance: ±25 µm	
	8.15.15	Energy delivery to be operated by switch located on joystick and by footswitch	Bidder to comply	Yes, complies Energy delivery can be operated by Joystick and by footswitch.	

	8.15.16	Yag laser system to be integrated with a diagnostic slit lamp	Bidder to comply		Yes, complies The visulas Yag System is been integrated with a diagnostic SlitLamp	
	8.15.17	System should be mounted on a motorized table	Bidder to comply		Yes, complies The system is mounted on a motorized table. It1060i	
	8.16	Technical Requirements for slit lamp:	Bidder to comply		Yes, complies	
	8.16.1	At least 5 different Magnification levels of up to x 32	Bidder to comply		Yes, complies The Visulas Yag III Slit lamp comes with a Magnification with magnification changer 8x/12x/20xeyepiece.	
	8.16.2	Illumination by either halogen or LED lamp	Bidder to comply		Yes, complies 5.6 V, 2 W brightness continuously adjustable	
	8.16.3	Weight: - Less than 15 Kg	Bidder to comply		Yes, complies Weight 16.0 kg	
	8.16.4	Should include physicians safety filters	Bidder to comply		Yes, complies The equipment includes physicians safety filter	

	8.16.5	Slit length control available in variable steps up to 14 mm	Bidder to comply	Yes, complies The slit length control available in variable steps up to 14mm.	
	8.16.6	Slit width: Continuously adjustable between 0 and 14 mm	Bidder to comply	Yes Complies. Slit width continuously adjustable: 0 mm to 14 mm	
	8.16.7	Slit lamp to be integrated on same motorized table as Yag laser control	Bidder to comply	Yes, complies The Slitlamp is been integrated on the same motorized table along with the Yag laser control.	
	8.17	Built-In Video Teaching system with camera and color display	Bidder to comply	Yes Complies Comes with a Built-in Video teaching system which is the SL imaging solution.	
	8.18	WARRANTY AND MAINTENANCE	Bidder to comply	Yes, complies	
	8.18.1	Warranty: At least two years including labour and spare parts as from date of commissioning.	Bidder to comply	Yes, complies	
	8.18.2	The warranty must include free of cost schedule preventive servicing/maintenance, calibration and applicable software upgrades as per manufacturers recommendations	Bidder to comply	Yes, complies	

	8.18.3	Bidder to quote for eight years post warranty maintenance contract on labour only basis. Maintenance works will have to be carried out as per maintenance checklist recommended by manufacturer. Bidder to copy of maintenance protocol checklist from service manual at time of bid.	Bidder to comply		Yes, complies Quote submitted for 8 years labour contract along with maintenance protocol checklist submitted	
	8.19	TRAINING	Bidder to comply		Yes, complies	
	8.19.1	Training schedule: A Plan of Training programme shall be submitted at time of delivery of equipment to the respective; Regional Health Director, Consultant-in-Charge and Biomedical Engineer in every hospital	Bidder to comply		Yes, complies A plan of training programme will be submitted at delivery.	
	8.19.2	Application training: Comprehensive application training regarding operation/functionalities of the equipment for a minimum period of 5 full working days to be given to end users by a certified application specialist from manufacturer	Bidder to comply		Yes, complies Certified Application Specialist from Chemtech, will provide training as required.	

	8.19.3	Technical training: At least three days on-site technical training to be given to biomedical staff by factory-trained service engineer/technician with experience on yag laser equipment. Technical training should include: I.Theory and practical training by a factory trained technician/service engineer II.Technical materials (training handbook) to be submitted including troubleshooting procedures. III.Training should cover troubleshooting with respect to errors, messages and codes, repair and calibration procedures. IV.During technical training, supplier should be equipped with calibrated test tools to demonstrate performance and functional/output tests as recommended in technical manuals . V.All disposable accessories (namely connectors, cables) should be provided for	Bidder to comply	Yes, complies Technical training will be given for a minimum of 2 days on-site by our factory-trained service technician and will cover all mentioned requirements. No disposable accessories required.	

		training purposes.				
	8.19	ACCESSORIES TO BE SUPPLIED PER EQUIPMENT	Bidder to comply		Yes, complies	
	8.19.1	Foot switch: 1 unit	Bidder to comply		Yes, complies Footswitch with 5.0m length cable (Accento footswitch- (20FSA5)	
	8.19.2	Laser safety goggles for surgeon: 2 units	Bidder to comply		Yes, complies (20ASGYAG)	
	8.19.3	Laser warning light: 1 unit	Bidder to comply		Yes, complies (20ALWL)	
	8.19.4	Dust cover for whole equipment: 1 unit	Bidder to comply		Yes, complies	
	8.19.5	Disposable paper for chin rest: 200 units	Bidder to comply		Yes, complies	
	8.19.6	Surgeons chair: 1 unit	Bidder to comply		Yes complies Stool is included.	
	8.19.7	Eye examination chair for patient: 1 unit	Bidder to comply		Yes complies Stool is included.	
	8.19.8	Spare halogen or LED bulbs: 5 units	Bidder to comply		Yes Complies	
	8.20	ADDITIONAL REQUIREMENTS	Bidder to comply		Yes Complies	

	8.20.1	Bidder to state life expectancy of equipment which should be approximately 10 years. Relevant documents from manufacturer should be submitted at time of bid as proof of equipment lifespan claimed	Bidder to comply	Yes Complies Refer Chemtech statement	
	8.20.2	Service laptop complete with laptop bag with latest operating system, Microsoft office, firmware, microprocessor INTEL core i7 preloaded with technical manuals, calibration guidelines and remote assistance software shall be provided to the biomedical technical team.	Bidder to comply	Yes, complies UMA i7-1355U Realtek USBC 440 G10 / 14 FHD AG UWVA 250 HD NarrowBezel bent / 16GB (2x8GB) DDR4 3200/ 512GB PCIe NVMe Value / W11p64 / Dual AryMicUSB2 WFOVCamera / Clickpad Backlit / Realtek 8852CE Wi-Fi 6E +BT 5.3 / Pike Silver Aluminum U15/Pentium / FPR sensor / 3Y warranty support Laptop bag included	
	8.21	AFTER SALES	Bidder to comply	Yes, complies	

	8.21.1	Ability to supply spare parts and to maintain the equipment as and when required throughout the life expectancy of the equipment. Successful bidder shall be responsible to make arrangements at their end to provide continuous technical support throughout the equipment lifespan even If they lose distributorship of the equipment	Bidder to comply		Yes, complies Refer to statement by Chemtech submitted	

	8.21.2	The bidder must have an established service facility at the time of the bid. This must include: i.A workshop equipped with diagnostic tools . ii.At least one Biomedical Engineer/service engineer with relevant experience on medical equipment and two service technicians. Proof of qualifications must be submitted. iii.Trained staff on the type of equipment proposed. Relevant proof of valid technical training certificate must be submitted. iv.Availability /ability to supply spare parts within agreed time by client i.e. within a week. v.Failure to submit evidence for this established service facility will result in an automatic rejection of the bidder.	Bidder to comply	Yes, complies Refer to statement by Chemtech submitted	

	8.21.3	Technical support from bidder should be on a 24/7 hour basis during lifetime of the equipment. Response time to attend to technical faults reported by end users/hospital administration/BME staff should be within 3 hours as from the time that the request for repair is made.	Bidder to comply		Yes, complies Technical support will be provided as requested during the warranty period and within the duration of the maintenance contract. A 3 hour response time will be respected during the warranty period and within the duration of the maintenance contract.	
	8.21.4	In case that the local contractors engineers/technician are unable to diagnose a fault locally, remote assistance from the manufacturers Technical Support Centre should be sought urgently to repair the equipment in the shortest delay.	Bidder to comply		Yes, complies	
	8.21.5	During the warranty period, should the physical presence of an overseas engineer be required for troubleshooting and repair of the equipment, same should attend to the repairs of the equipment fully at the contractors cost.	Bidder to comply		Yes, complies	

	8.22	MANUALS/DOCUMENTATIONS/SOFTWARE TOOLS	Bidder to comply	Yes, complies	
	8.22.1	All original installation software, software reload drivers and service diagnostic tools to reconfigure machine or to verify performance and functionality of equipment should be provided either on pen drives at the time of commissioning	Bidder to comply	Yes, complies Pen drive with the requested software will be provided.	
	8.22.2	Full user manual to be provided (2 hard copies and 1 soft copy per equipment).	Bidder to comply	Yes, complies	
	8.22.3	Full service manual with assembly diagrams, including spare parts list (2 hard copies and 1 soft copy per equipment). Errors and malfunction codes should be fully documented in the service manuals.	Bidder to comply	Yes, complies	

	8.22.4	Original certificates from manufacturer specifying date of manufacture, make, model, serial number, software version, place of manufacture or assembly, and acceptance test/quality assurance certificate for every equipment should be submitted at time of commissioning.	Bidder to comply		Yes, complies All documentation as requested will be submitted at the time of commissioning	
	8.22.5	Acceptance /quality assurance test and calibration certificate from manufacturer with test results to be submitted at time of commissioning.	Bidder to comply		Yes, complies All documentation as requested will be submitted at the time of commissioning	
9.0	Multi Spot Laser Photo Coagulator Machine					
	Serial No.	**Description**	**Evaluation criteria**		**Compliance response**	**Details of non-compliance, if applicable**
	9.1	Make of equipment:	Bidder to specify		Carl Zeiss	
	9.2	Model of equipment:	Bidder to specify		Visulas Green Comfort with SL imaging solution	
	9.3	Country of Manufacture:	Bidder to specify		Germany	

	9.4	Each of the following requirements must be shown and highlighted in the brochure/technical specifications by the bidder. In case the information required is not found in the brochure/technical specifications, authentic documentations, signed by the manufacturer, must be submitted by the bidder to provide evidence of compliance and/or details of non-compliance and degree of deviation from the specifications	Bidder to comply	Yes, complies Highlighted and labeled technical specifications in brochure and technical manual submitted.	
	9.5	Model quoted should be the latest launched by manufacturer and should match all technical and regulatory standards stated in the bidding documents	Bidder to comply	Yes, complies The Visulas green comfort is the latest model by Carl Zeiss and matches all the required regulation.	
	9.5.1	Original documents from manufacturer specifying the release date and version of the model quoted to be submitted	Bidder to comply	Yes, complies Original documents with release date and version will be submitted at the time of delivery.	

	9.5.2	The model quoted should appear on the official website of the manufacturer. Web link to verify the equipment on the official manufacturer website should be provided at time of bid	Bidder to comply		Yes, complies https://www.zeiss.com/content/dam/Meditec/refmaster/products/visulas-green/visulas-green-downloads/visulas-greenen310200009iscreen-res	
	9.6	Original manufacturer certified brochure including full technical specifications to be submitted. The original brochures and technical specifications must bear the seal of the manufacturer. In case the catalogue is a copy of the original, the bidder must certify the copy by writing 'Certified to be a true copy of the original seen by me' on each page of the document, signing it, dating it, printing their name under the signature and adding their occupation.	Bidder to comply		Yes, complies Certified true copy of brochure submitted	

	9.7	Intended application: Multi spot laser delivery system with variable micro pulse duration for the safe and effective treatment of diabetic retinopathies, microaneurysms and macular edemas.	Bidder to comply	The Visulas Green Comfort laser system is intended for use in ophthalmic surgical procedures. Specifically it is designed for applications such as retinal photocoagulation, which involves using laser energy to treat various retinal conditions.	
	9.8	PRODUCT STANDARDS AND COMPLIANCE	Bidder to comply	Yes, complies	
	9.8.1	Equipment should conform to at least ONE of the following international regulatory standards for medical devices from the list below:-	Bidder to comply	Yes, complies CE certificate submitted	

	9.8.2	US FDA approval or clearance. Bidder to mention device classification as per US FDA. Valid documents of conformity to be submitted. For US FDA, web links to verify approval or clearance of the proposed medical device on official database of FDA should be provided. For 510(k) cleared devices, the 510 (k) letter from FDA should also be submitted at the time of bid with clear mention of the make/model of the device	Bidder to comply		N/A	

	9.8.3	PMDA (Japan) approval pertaining to medical devices. Bidder to mention device classification as per PMDA (Japan). For Class II controlled (medium risk), class III and Class IV devices, bidder to submit a Pre-Market Approval certificate issued by the MHLW (Ministry of Health, Labor and Welfare, JAPAN). For specified controlled Class II devices (medium-low risk, bidder to submit a pre-market certificate issued by a Japanese registered certified body that has been designated by PMDA (Japan)	Bidder to comply	N/A		
	9.8.4	European CE marked. Bidder to mention device classification. Original certificates/ documents of compliance to regulatory standards required above should be submitted with clear mention of the manufacturers name, make/model of Proposed equipment, details of notifying body for CE marking	Bidder to comply	Yes, complies CE certificate submitted		

	9.9	Equipment to conform to international electrical safety standards as applied to medical electrical equipment i.e. IEC 60601-1. Bidder to submit valid certified documentary evidence of conformity	Bidder to comply		Yes, complies Documentary evidence submitted.	
	9.10	Equipment to conform to international safety and electromagnetic compatibility (EMC) standards as applied to Medical Electrical Equipment i.e. IEC 60601-1-2. Bidder to submit valid certified documents as evidence of conformity	Bidder to comply		Yes, complies Documentary evidence submitted.	
	9.11	Manufacturer of the proposed equipment should have ISO certificates pertaining to quality management systems for medical devices i.e. I3485. Conformity documents/ certificates to be submitted at time of bid	Bidder to comply		Yes, complies ISO certificates submitted.	
	9.12	Equipment to conform with international standards for safety of laser products – DIN EN 60825 or CFR 1040.10/11	Bidder to comply		Yes, complies Documentary evidence submitted	

	9.13	Bidder to state class of laser i.e. whether class 3 or 4 depending on aiming beam wavelength	Bidder to comply	Yes, complies Complies with the class 2 threshold value according to IEC 60825-1	
	9.14	POWER SUPPLY REQUIREMENTS	Bidder to comply	Yes, complies	
	9.14.1	Single phase 230 V ± 6 % at 50 Hz ± 1.5 %.	Bidder to comply	Yes, complies 100 V to 240 V AC (±10 %); 50 / 60 Hz	
	9.14.2	Power cord requirements: (i) 3-core with fused molded type plug to BS 1363 with nickel plated solid pins, BSI Kite-marked, rated to 450/750V. The maximum rated current of the fuse shall not exceed 13 A. (ii) Length of power cord: not less than 4 meters.	Bidder to comply	Yes, complies 5m BS 3-core moulded power cord included	
	9.14.3	Suitable UPS with maintenance free batteries for minimum 15 minutes back up should be supplied with the system	Bidder to comply	Yes, complies External 2 KVA, maintenance free UPS providing 15 mins of backup included.	
	9.15	TECHNICAL SPECIFICATIONS	Bidder to comply	Yes, complies	

	9.15.1		Complete laser system with slit lamp mounted on motorized table and with locking and braking wheels.	Bidder to comply		Yes, complies Visulas Green comes with the slit lamp mounted on motorized table with locking and braking wheels. IT 1060i. Dimension: (1060mm X 420mm)	
	9.15.2		Design of slit lamp table should be accessible to wheelchairs.	Bidder to comply		Yes, complies	
	9.15.3		Supplied with dedicated doctors and patients stool with adjustable height.	Bidder to comply		Yes, complies Stool for patient and doctor will be provided	
	9.15.4		Graphical user interface: Adjustable touch screen control panel display: minimum 10 inches, mounted on dedicated table.	Bidder to comply		Yes, complies Our touch control panel is around 10.5 inches in diameter.	
	9.15.5		Solid state green diode-pumped treatment laser.	Bidder to comply		Yes, complies Frequency-doubled solid-state laser	

	9.15.6	Continuous & micro-pulsed mode treatment	Bidder to comply	Yes, complies The Multispot coagulation mode helps in continuous or micro pulsed mode. The VITE Multi spot photocoagulation is used to reduce the treatment time. The short multi spot pulse duration creates smaller lesion to decrease the pain perception.	
	9.15.7	Patterns type for photo coagulation: single spot, array, arc, ring, triple arc, line, triple curve, square, and rectangle.	Bidder to comply	Yes, complies Retinal Photocoagulation in single spot and vite Multispot	
	9.15.8	Treatment of beam wavelength 532 nm	Bidder to comply	Yes, complies The laser beam wavelength is 532nm.	
	9.15.9	Cooling system to be specified.	Bidder to comply	Yes, complies The cooling system comes with the thermoelectric type	
	9.15.10	Laser type: Frequency doubled solid state laser or optically pumped semiconductor laser.	Bidder to comply	Yes, complies Visulas green comfort comes with a solid state green laser.	

	9.15.11		Red Aiming beam-Diode, 635 ± 10 nm, adjustable brightness	Bidder to comply		Yes, complies Aiming beam Diode, 620 to 650 nm, adjustable	
	9.15.12		Aiming beam power, adjustable with maximum 1 mW at the cornea	Bidder to comply		Yes, complies The Aiming beam power with maximum adjustable brightness, 1mW at the cornea	
	9.15.13		Laser treatment power range: from 0 to 1500 mW	Bidder to comply		Yes, complies Max power at cornea is 1500mW.	
	9.15.14		Treatment beam spot size: 50-60, 100, 200 and 400 µm	Bidder to comply		Yes, complies Continuously adjustable, 50 – 1,000 µm (without contact lens), parfocal, larger spot sizes depending on contact lens used	
	9.15.15		Treatment Pulse duration: 10 to 1000 ms.	Bidder to comply		Yes, complies Pulse duration (single pulse) 10 to 2,500 ms, cw (max. 180 s). Pulse duration (multi-spot) 10 to 50 ms	
	9.15.16		Fitted with foot switch firing with safety interlock	Bidder to comply		Yes, complies	

	9.15.17	Retina spot size Determined by the product of the spot size and the contact lens Laser magnification factor	Bidder to comply	Yes, complies Continuously adjustable, 50 – 1,000 µm (without contact lens), parfocal, larger spot sizes depending on contact lens used	
	9.15.18	Slit lamp magnification 6 xs, 12 xs & 20 xs or better.	Bidder to comply	Yes, complies 5 magnifications, in following steps: 5x, 8x, 12x, 20x, 32x	
	9.15.19	Pattern position control: Adjustable by joystick, pattern selection and electronic micromanipulator	Bidder to comply	Yes, complies Joystick with manual trigger & electronic micromanipulator	
	9.15.20	Built-In Video Teaching system with camera and color display	Bidder to comply	Yes, complies ZEISS SL imaging solution included	
	9.16	ACCESSORIES TO BE SUPPLIED PER EQUIPMENT	Bidder to comply	Yes, complies	
	9.16.1	Dust cover: 1 unit	Bidder to comply	Yes, complies	
	9.16.2	Spare lamp for slit lamp per: 3 units	Bidder to comply	Yes, complies	

	9.16.3	Set of lenses: 2 units each Quadraspheric contact laser lens Super squad 160 contact laser lens Area centralis focal contact laser lens 165 PRP Focal grid laser Goldman 3 mirrors	Bidder to comply		1.Yes, complies . Make: Volk Quadraspheric Lens. Ref No: AX13158 2.Yes, complies Super squad 160. Make: Volk Ref no: AX13155 3. Yes, complies . Mainster PRP 165 ° (OMRA-PRP 165) 4.Yes, complies Goldmann 3 Mirror. (OG3MA)	
	9.16.4	Safety goggles 532 nm: 5 units	Bidder to comply		Yes, complies Safety eyeglasses 532/561 5 units included	
	9.16.5	Stool for patient:1 unit	Bidder to comply		Yes, complies	
	9.16.6	Stool for doctor: 1 unit	Bidder to comply		Yes, complies	
	9.16.7	Elbow rest: 2 units	Bidder to comply		Yes, complies	
	9.17	WARRANTY AND MAINTENANCE	Bidder to comply		Yes, complies	
	9.17.1	Warranty: At least two years including labour and spare parts as from date of commissioning.	Bidder to comply		Yes, complies 2 year warranty included	

	9.17.2	The warranty must include free of cost schedule preventive servicing/maintenance, calibration and applicable software upgrades as per manufacturers recommendations.	Bidder to comply	Yes, complies	
	9.17.3	Bidder to quote for eight years post warranty maintenance contract on labour only basis. Maintenance works and calibration will have to be carried out as per maintenance checklist recommended by manufacturer. Bidder to copy of maintenance and calibration protocol checklist from service manual at time of bid.	Bidder to comply	Yes, complies Quote for maintenance contract labour only submitted for 8 years Maintenance protocol checklist submitted	
	9.18	TRAINING	Bidder to comply	Yes, complies	
	9.18.1	Training schedule: A Plan of Training programme shall be submitted at time of delivery of equipment to the respective; Regional Health Director, Consultant-in-Charge and Biomedical Engineer	Bidder to comply	Yes, complies A plan of training programme will be submitted at delivery	

	9.18.2	Application training: Comprehensive application training regarding operation/functionalities of the equipment for a minimum period of 5 full working days to be given to end users by a certified application specialist from manufacturer	Bidder to comply	Yes, complies Certified Application Specialist from Chemtech, will provide training as required.	

	9.18.3	Technical training: At least two days on site technical training to be given to biomedical staff by factory-trained service engineer/technician from manufacturer. Technical training should include: I.Theory and practical training by a factory trained technician/service engineer II.Technical materials (training handbook) to be submitted including troubleshooting procedures. III.Training should cover troubleshooting with respect to errors, messages and codes, repair and calibration procedures. IV.During technical training, supplier should be equipped with calibrated test tools to demonstrate performance and functional/output tests as recommended in technical manuals. V.All disposable accessories (namely connectors, cables) should be provided for training purposes.	Bidder to comply	Yes, complies No disposable accessories required for training.	

	9.19	ADDITIONAL REQUIREMENTS	Bidder to comply		Yes, complies	
	9.19.1	Bidder to state life expectancy of equipment which should be at least ten years. Relevant documents from manufacturer should be submitted at time of bid as proof of equipment lifespan claimed	Bidder to comply		Yes, complies Refer to statement from Chemtech	
	9.20	AFTER SALES	Bidder to comply		Yes, complies	
	9.20.1	Ability to supply spare parts and to maintain the equipment as and when required throughout the life expectancy of the equipment. Successful bidder shall be responsible to make arrangements at their end to provide continuous technical support throughout the equipment lifespan even If they lose distributorship of the equipment.	Bidder to comply		Yes, complies Refer to statement from Chemtech	

	9.20.2	The bidder must have an established service facility at the time of the bid. This must include: i.A workshop equipped with diagnostic tools. ii.At least one Biomedical Engineer/service engineer with relevant experience on medical equipment and two service technicians. Proof of qualifications must be submitted. iii.Trained staff on the type of equipment proposed. Relevant proof of valid technical training certificate must be submitted. iv.Availability /ability to supply spare parts within agreed time by client i.e. within a week. v.Failure to submit evidence for this established service facility will result in an automatic rejection of the bidder	Bidder to comply	Yes, complies Refer to statement from Chemtech	

	9.20.3	Technical support from bidder should be on a 24/7hour basis during lifetime of the equipment. Response time to attend to technical faults reported by end users/hospital administration/BME staff should be within 3 hours as from the time that the request for repair is made.	Bidder to comply		Yes, complies Technical support will be provided as requested during the warranty period and within the duration of the maintenance contract. A 3 hour response time will be respected during the warranty period and within the duration of the maintenance contract.	
	9.20.4	In case that the local contractors engineers/technician are unable to diagnose a fault locally, remote assistance from the manufacturers Technical Support Centre should be sought urgently to repair the equipment in the shortest delay.	Bidder to comply		Yes, complies	
	9.20.5	During the warranty period, should the physical presence of an overseas engineer be required for troubleshooting and repair of the equipment, same should attend to the repairs of the equipment fully at the contractors cost.	Bidder to comply		Yes, complies	

	9.21	MANUALS/DOCUMENTATIONS/SOFTWARE TOOLS	Bidder to comply	Yes, complies	
	9.21.1	All original installation software, software reload drivers and service diagnostic tools to reconfigure machine or to verify performance and functionality of equipment should be provided either on pen drives at the time of commissioning	Bidder to comply	Yes, complies Pen drive with the requested software will be provided.	
	9.21.2	Full user manual to be provided (2 hard copies and 1 soft copy per equipment)	Bidder to comply	Yes, complies	
	9.21.3	Full service manual with assembly diagrams, including spare parts list (2 hard copies and 1 soft copy per equipment). Errors and malfunction codes should be fully documented in the service manuals.	Bidder to comply	Yes, complies	

	9.21.4	Original certificates from manufacturer specifying date of manufacture, make, model, serial number, software version, place of manufacture or assembly, and acceptance test/quality assurance certificate for every equipment should be submitted at time of commissioning	Bidder to comply	Yes, complies All documentation as requested will be submitted at the time of commissioning	

DOCUMENT(S) UPLOAD (VER. 1.0)

Manufacturers Authorization: Carl Zeiss Authorization Letter 30.09.2024 MAF.pdf

Cost Structure for Value Added Calculation per Product: No files attached.

ANY OTHER DOCUMENTS (VER. 1.0)

Other documents: Certificate of Current Standing 2024.pdf; Certificate of Incorporation Chemtech.pdf; Company Profile + CV 2024.pdf; Registrar of Company 07.02.2024.pdf; Trade License Merchant Wholesale Dealer.pdf; Trade License Wholesale Pharmacy.pdf; VAT Certificate of Registration.pdf; Wholesale Pharmacy License 2024.pdf; Certificate ISO 9001 2015 (Valid 15.12.2025).pdf; ISO Certificate Carl Zeiss.pdf; Training Certificate- Zeiss Apr 2023 Atish.pdf; Training Certificate- Zeiss Loic.pdf; Item. 1 EC Declaration of Conformity_IOL Master 700_26.05.2024.pdf; Carl Zeiss IEC certificate- Life Expectancy.pdf; Carl Zeiss Authorization Letter 30.09.2024 MAF.pdf; Equipment LIFE EXPECTANCY Chemtech Statement.pdf; ITEM 4 Highlighted Catalog.pdf; Item 4 Spareparts Pricelist HFA3.pdf; Item 4. IFU HFA3.pdf; Item 6 EC Certficate Dublin.pdf; Item 6 EC certificate CIRRUS 600.pdf; Item 6. Maintenance Checklist_CIRRUS_6000.pdf; Item 6 Spareparts Pricelist Cirrus 6000.pdf; ITEM 6 Highlighted Catalog.pdf; Item 7. EC Certficate Dublin.pdf; Item 7. EU Declaration of Conformity_CLARUS MODEL 500_700_02.05.2024.pdf; Item 7. IEC Certificate Clarus 700.pdf; Item 7. Maintenance Checklist_CLARUS 700.pdf; Item 7. IFU Clarus 700.pdf; Item 8 & 9 Spareparts Pricelist VISULAS.pdf; Item 7 Spareparts Pricelist Clarus 700.pdf; Item 8. CE Certiifcate_VISULAS yag_2023-05-12.pdf; Item 8 IFU Visulas yag with SL imagining solution.pdf; item 8 IEC Certifcate VISULAS_60601-1_PART 2.pdf; item 8 IEC Certifcate VISULAS_60601-1_PART 1.pdf; Item 9. IFU Visulas Green.pdf; Item 4. AMC Sheet HFA-3.pdf; Item 6. AMC Sheet CIRRUS-6000.pdf; Item 7. AMC Sheet CLARUS-700.pdf; Item 8. AMC Sheet VISULAS YAG-III.pdf; Item 9. AMC Sheet VISULAS GREEN.pdf; ITEM 9 Highlighted Catalog.pdf; ITEM 8 & 9 VISULAS Maintenance Checklist.pdf

BID SUBMISSION FORM (OAB - GOODS) (VER. 1.0)

If the prices in the Price Schedule or Bill of Quantities have been reworked please click on 'Decrypt' to ascertain that the amount and currencies in the Bid Submission Form match the amended prices:

Insert N/A if response is NOT APPLICABLE or N/AV if response is NOT AVAILABLE:

To: MINISTRY OF HEALTH AND WELLNESS

We, the undersigned, declare that::

(a) We have examined and have no reservations to the Bidding ADDENDUM NO:1

Chemtech

Maintenance Contract Sheet

Item 6: SUPPLY, INSTALLATION AND COMMISSIONING OF OPTICAL COHERENCE TOMOGRAPHY (OCTA) FOR OPHTHALMOL OGY

Cost of maintenance for Eight (8) years after warranty to be quoted below for CARL ZEISS CIRRUS 6000 with AngioPlex equipment exclusive of VAT

Period	Price (Labour Only) MUR
Year 1	100,000
Year 2	105,000
Year 3	110,000
Year 4	116,000
Year 5	122,000
Year 6	128,000
Year 7	135,000
Year 8	141,000

Total Cost of Maintenance for 8 years for the Equipment PER UNIT exclusive of VAT:

Rs 957,000 (Labour Only)

Signature: Chemtech

Name of Signatory: *Nadine Adam*

Chemtech

Maintenance Contract Sheet

Item 8: SUPPLY, INSTALLATION AND COMMISSIONING OF PHOTO DISRUPTIVE YAG LASER SYSTEM FOR OPHTHALMIC APPLICATION

Cost of maintenance for Eight (8) years after warranty to be quoted below for CARL ZEISS VISULAS YAG-III equipment exclusive of VAT

Period	Price (Labour Only) MUR
Year 1	56,000
Year 2	59,000
Year 3	62,000
Year 4	65,000
Year 5	69,000
Year 6	72,000
Year 7	76,000
Year 8	79,000

Total Cost of Maintenance for 8 years for the Equipment PER UNIT exclusive of VAT:

Rs 538,000 (Labour Only)

Signature: Chemtech

Name of Signatory: *Nadine Adam*

Chemtech

Maintenance Contract Sheet

Item 9: SUPPLY, INSTALLATION AND COMMISSIONING OF MULTI SPOT LASER PHOTO COAGULATOR MACHINE

Cost of maintenance for Eight (8) years after warranty to be quoted below for CARL ZEISS VISULAS GREEN equipment exclusive of VAT

Period	Price (Labour Only) MUR
Year 1	67,000
Year 2	71,000
Year 3	74,000
Year 4	78,000
Year 5	82,000
Year 6	86,000
Year 7	90,000
Year 8	94,000

Total Cost of Maintenance for 8 years for the Equipment PER UNIT exclusive of VAT:

Rs 642,000 (Labour Only)

Signature: Chemtech

Name of Signatory: *Nadine Adam*