



GOVERNMENT OF WEST BENGAL  
OFFICE OF THE DIRECTOR  
REGIONAL INSTITUTE OF OPHTHALMOLOGY, KOLKATA  
88, COLLEGE STREET, KOLKATA-700073  
Phone No- (033) 2212 3767  
Email: [riokolkata@yahoo.com](mailto:riokolkata@yahoo.com)  
Website: [www.riokolkata.in](http://www.riokolkata.in)

NOTICE INVITING E- TENDER FOR PURCHASE AND INSTALLATION OF HOSPITAL  
EQUIPMENTS/INSTRUMENTS BY THE DIRECTOR,  
REGIONAL INSTITUTE OF OPHTHALMOLOGY, KOLKATA  
(Through Pre-qualification)  
(Submission of Bid through NIC e- tender portal)

Memo No RIO/2021 - 168

Dated- 10/02/2021, Kolkata.

The Director, Regional Institute of Ophthalmology, Kolkata having its office at 88, College Street, Kolkata – 700073 is going for e-tender on behalf of the Health & Family Welfare Department, Government of West Bengal for supply of Hospital Equipment/ Instrument as per annexed list from the bonafide manufacturer/authorized distributor/direct importer. **Necessary earnest money of Rs. 50,000/-** to be submitted for participation in the Tender through online.

List of equipments for E-TENDER :

Sr. no	Name of the Instrument	Quantity (Set)	Name of Department
1.	FULL AUTOMATED ANALYZER	1	RIO, MCH Campus, KOLKATA-73
2	HIGH-END SPECTRAL DOMAIN FOURIER BASED OCT WITH OCT ANGIOGRAPHY	1	RIO, MCH Campus, KOLKATA-73
3	VISUAL FIELD ANALYZER	1	RIO, MCH Campus, KOLKATA-73
4	GREEN LASER WITH LSL & LIO DELIVERY SYSTEM	1	RIO, MCH Campus, KOLKATA-73
5	COLLAGEN CROSS LINKING	1	RIO, MCH Campus, KOLKATA-73
6	HIGH-END 3D VISUALISATION SYSTEM FOR POSTERIOR SEGMENT SURGERY	1	RIO, MCH Campus, KOLKATA-73

**PROCEDURE FOR DEPOSIT OF EMD/BID SECURITY RELATED TO e-PROCUREMENT OF THE STATE GOVERNMENT DEPARTMENTS (through NET BANKING/RTGS/NEFT): - Earnest money of Rs.50, 000.00 (Rupees fifty thousand) only.**

**The process may be followed as per memorandum of the Finance Department Audit Branch bearing Memo No-3975-F(Y) dated: 28<sup>th</sup> July, 2016 (GRIPS)**

1. Login by bidder:-

a) A bidder desirous of taking part in a tender invited by a State Government Office/PSU/ Autonomous Body/Local Body/ PRIs, etc. shall login to the e-Procurement portal of the Government of West Bengal <https://wbtenders.gov.in> using his login ID and password.

b) He will select the tender to bid and initiate payment of pre-defined EMD / Tender

Fees for that tender by selecting from either of the following payments modes:

i) Net banking (any of the banks listed in the ICICI Bank Payment gateway) in case of payment through ICICI Bank Payment Gateway;

ii) RTGS/NEFT in case of offline payment through bank account in any Bank

2. Payment procedure:-

a) Payment by Net Banking (any enlisted bank) through ICICI Bank Payment Gateway

i. On selection of net banking as the payment mode, the bidder will be directed to ICICI Bank Payment Gateway webpage (along with a string containing a Unique ID) where he will select the Bank through which he wants to do the transaction.

ii. Bidder will make the payment after entering his Unique ID and password of the bank to process the transaction.

iii. Bidder will receive a confirmation message regarding success / failure of the transaction.

iv. If the transaction is successful, the account paid by the bidder will get credited in the respective Pooling account of the State Government.

/PSU/Autonomous Body/Local Body/P, R.Is, etc maintained with the Focal Point Branch of ICICI Bank at R.N. Mukherjee Road, Kolkata for collection of EMD/Tender Fees.

v. If the transaction is failure, the bidder will again try for payment

b y going back to the first step.

b) Payment through RTGS/NEFT

i) On selection of RTGS/NEFT as the payment mode, the e-Procurement Portal will show a pre-filled challan having details to process RTGS/NEFT transaction.

ii) The bidder will print the challan and use the prefilled information to make RTGS/NEFT payment using his bank account.

iii) Once payment is made, the bidder will come back to the e-procurement portal after expiry of a reasonable time to enable the NEFT/ RTGS process to complete, in order to verify the payment made and continue the bidding process.

iv) If verification is successful, the fund will get credited to the respective Pooling Account of the State Government / PSU/Autonomous Body/Local Body/ PRIs etc. Maintained with the focal point branch of ICICI Bank at R.N.Mukherjee Road, Kolkata for collection of EMD/Tender Fees.

v) Hereafter, the bidder will go to e-Procurement Portal for submission of the bid.

vi) But if the payment verification is unsuccessful, the amount will be returned to the bidder's account.

3. Refund/ Settlement Process.

i) After opening of the bids and technical evaluation of the same by the tender inviting authority through electronic processing in the e-payment portal of the State Government, the tender inviting committee will declare the status of the bids as successful or unsuccessful which will be made available, along with the details of unsuccessful bidders, to the ICICI Bank by the e procurement portal through web services.

ii) On receipt of the information from the e procurement portal, the bank will refund, through an automated process, the EMD of the bidders disqualified at the technical evaluation to the respective bidders' bank account from which they made payment transaction. Such refund will take place within T+2 bank working days where T will mean the date on which information on rejection of bid is uploaded to the e procurement portal by the tender inviting authority.

iii) Once the financial bid evaluation is electronically processed in the e-procurement portal, EMD of the technically qualified bidders other than that of L1 and L2 bidders will be refunded, through an automated process, to the respective bidder's bank account from which they made the payment transaction. Such refund will take place within T+2 bank working days where T will mean the date on which information on rejection of bid is uploaded to the e-procurement portal by the tender inviting authority. However, L2 bidder should not be rejected till the LOI process is successful.

iv) If the L1 bidder accepts the LOI and the same is processed electronically in the e-procurement portal, EMD of the L2 bidder will be refunded through an automated process, to his bank account from which he made the payment transaction. Such refund will take place within T+2 bank working days where T will mean the date on which information on Award of contract (AOC) to the L1 bidder is uploaded to the e-procurement portal the tender inviting authority.

v) As soon as the L1 bidder is awarded the contract (AOC), and the same is processed electronically in the e-procurement portal –

a) EMD of the L1 Bidder of the tenders of the State Government Offices will automatically get transferred from the Pooling account to the State Government Deposit Head '8443-00-103-001-07' through GRIPS along with the bank particulars of the L1 bidder.

b) EMD of the L1 bidder for the tenders of the State, PSU/Autonomous Bodies/Local Bodies/PRIs etc. will automatically get transferred from the pooling account to their respective linked bank accounts along with the bank particulars of the L1 bidder.

In both the above cases, such Transfer will take place within T+1 bank working days where T will mean the date on which the award of contract (AOC) is issued.

vi) The bank will share the details of GRN No. generated on successful entry in GRIPS with the e-procurement portal for updation.

vii) Once the EMD of L bidder is transferred in the manner mentioned above, Tender fees, if any, deposited by the bidders will be transferred electronically from the pooling account of the Government Revenue Receipt

Head “0070-60-800-013-27” through GRIPS for Government Tenders and to the respective linked bank accounts for State/ PSU/Autonomous Body/Local Body/ PRIs etc. Tenders.

viii) All refunds will be made mandatorily to the bank account from which the payment of EMD and tender fees (if any) were initiated

**1. General Instructions:**

In the event of e-filing, intending bidder may download the tender documents free of cost from the website : <https://wbtenders.gov.in> directly with the help of Digital Signature Certificate & necessary earnest money may be submitted as per above mentioned procedure.

**2. Submission of bids :**

Both Technical bid and Financial Bid are to be submitted concurrently duly digitally signed by the authorized signatories in the website <https://wbtenders.gov.in>. All papers must be submitted in English language.

**3. Time Schedules for the e-tender :**

THE TIME SCHEDULE FOR OBTAINING THE BID DOCUMENTS, PRE BID MEETINGS, REGISTRATION WITH THE TENDERING AUTHORITIES, THE SUBMISSION OF BIDS AND OTHER DOCUMENTS ETC. WILL BE AS PER THE LIST PROVIDED IN CLAUSE NO 21 AS GIVEN BELOW.

**4. ELIGIBILITY FOR QUOTING :**

Principal manufacturer (inside or outside of West Bengal) or their authorized distributor, direct importers holding valid import license, state based PSUs & State based other manufacturing units whose average annual turnover for last three financial year is more than Rs. 3.00(Three) crore (more than Rs. 1.50 crore in case of authorized distributor) & S.S.I unit registered in West Bengal whose average annual turn over for last three financial year is more than Rs. 50(fifty) lakh, are only eligible to participate in the tender.

Average annual turnover rate should be mentioned separately

**5. SUBMISSION OF THE TENDERS :**

The tender is to be submitted in a two Bid System.

[A] Technical Bid:

(a). Statutory Cover Containing the following documents:

1. COVER “A”:

**“BID A”: PART I**

(SINGLE FILE MULTIPLE PAGE SCANNED)

Essential Requirements of the Tendering Firm for participation” shall contain all papers related to the essential requirements of the Tenderer for participation in the tender viz.

A	Submission of online EMD prescribed
B	CHECK LIST in the prescribed format
C	Application in the prescribed format given in Annexure I
D	Authorization letter of signatory from Company in Annexure II
E	Authorization letter of Distributor/Importer from Manufacturer Company in Annexure III
F	Copy of Agreement between manufacturer & the importer in Annexure IV

**“BID A”: PART II**

TECHNICAL SPECIFICATIONS OF THE ITEMS IN THE GIVEN FORMAT IN PDF.

2. COVER “B” :

**NON-STATUTORY/ MY DOCUMENTS** Containing the following documents:

***Duly requested to the tenderer’s to submit all documents (online) positively. A brief explanation to be sited if any of the following feature is not applicable in any respect.***

Sn	Category	Sub Category	Sub Category Description
A.	Certificates	A1. Certificates	PAN Card of the authorized signatory
			Professional Tax Registration certificate
			GST Registration certificate
			EPF/ESI Certificate
			Pollution Control Board Clearance Certificate
B.	COMPANY DETAILS	B1. COMPANY DETAILS	Trade License
			Registration with Registrar of Companies
C.	CREDENTIAL	C1: Credential 1	Affidavit for No conviction
			Certificate of country of origin relating to the Equipment/Instrument
			Export-Import license with IEC Code (for Importer)
		C2 : Credential 2	Manufacturing License
			Manufacturer’s Warantee
			Test Report from the leading Test House
			Quality Assurance certificate of the Equipment/Instrument.
Credential certificate from Purchasers			

D.	FINANCIAL INFO	PAYMENT CERTIFICATE 1	Income Tax Returns submitted for the year 2016-17, 2017-18, 2018-19
			GST Returns for the last quarter of the year 2017-18, 2018-19
		D1. P/L & BALANCE SHEET	1. P/L & Balance sheet for the year 2016-17, 2017-18, 2018-19
		Banker's Certificate	Banker's certificate from a schedule bank for solvency

- **The Brochure/Testimonials of the equipment/instrument should be submitted along with the hard copy documents for examination of tender selection committee/purchase committee**

[B] FINANCIAL BID "B":

(i) **BOQ for INR (in excel sheet)**

The folder as "Financial Bid" shall contain base price of the equipment/Instrument with 3(three) years on-site comprehensive Warranty in Indian currency including cost of insurance, packing, freight charges, delivery charges, testing charges, incidental charges, if any and cost of the installation of the Instrument but excluding of GST, Entry tax, Cess and other Govt taxes(if any) to be shown separately in the Bill of Quantities.

The L<sub>1</sub> will be determined only on Base rate with 3(three) years comprehensive on-site warranty including cost of insurance, packing, freight charges, delivery charges, testing charges and incidentals if any.

The appropriate % of GST , Entry tax, Cess or other taxes as claimed by the bidder would be applicable as per prevailing Govt order. The cost of CAMC for next five years is to be quoted separately in the BOQ for the equipment including all accessories & ancillaries as given in the specification. The rate to be quoted year wise.

The tenderers are required to submit the hard copies of Bid A along with the Brochure of the Equipment/instrument as per schedule more clearly described in the time line vide clause 21 along with submission of online EMD prescribed. Submission of hard copy of Bid A to the office of the Principal, Medical College, Kolkata (MC, Kolkata) is for reference only while examining the technical bid on line and will not be treated as substitute for on line submission. However, Brochure/testimonials of the equipment are to be enclosed separately with the hard copy of Bid A for examination. Submission of hard copy of Bid B is totally prohibited and only be submitted through on line through NIC portal.

## **6. Evaluation of the tenders**

During the tender evaluation process on line, the "Bid A" will be opened first. Those Tenderer who have qualified the essential & other requirements will be identified for giving demonstration of the equipment. After demonstration the qualified tenderer will be identified and only their "Bid B" i.e. Financial bid will be opened. The "Bid B" of those Tenderer failing to meet the technical & other requirements of participating in the tender will not be opened and be rejected. The Tenderer offering the item found suitable and as being as per the tender specifications will only be selected.

The Tenderer who have been so identified to have been technically suitable in the context of above will be deemed to have passed the test of essential and other requirement of the quoted item or items.

**Demonstration centre must be within India preferably within West bengal.**

The "Bid B" (Financial Bids) of only these tenderers passing the essential and other requirement test will be opened then subject to verification of hard copies of the audited balance sheet and Profit & Loss Accounts of the tenderer for the last three years i.e for the year 2016-17,2017-18,2018-19



If found suitable in the context of above pre qualification etc, the Tenderer quoting the lowest rate in the base price with 3(three) years comprehensive on-site warranty will be considered as successful.

**1. RATE:**

The price is to be quoted in Indian Rupees with cost of 3(three) years on-site comprehensive warranty including cost of insurance, packing, forwarding, freight charges, delivery charges, testing charges, incidental charges, if any and installation of the instrument. The instrument is to be transported in such packaging so that there is no damage to the primary packaging during the transportation process.

**GST** , Excise Duty, Entry Tax & Cess etc. which shall be quoted separately in the template for Bill of Quantities (BOQ).

Percentage of Excise Duty, CESS etc, Percentage of GST to be mentioned in the appropriate Column of the template for Bill of Quantities.

The cost of CAMC for next five years is to be quoted separately in the BOQ for the equipment including all accessories & ancillaries as given in the specification

**2. ORDER & SUPPLY:**

Orders for the supply of the approved products will be placed with the successful tenderers after the execution of the agreements. The successful tenderer will have to supply within the specified time schedule that had been assured at the time of selection as supplier.

**3. WITHDRAWAL / CANCELLATION & PURCHASE POLICY OF TENDERING AUTHORITY:**

- a. The tendering authority reserves the right to withdraw any item from the tender at any stage. The selection of such item, if already made in favour of any Tenderer, shall be treated as cancelled.
- b. The tendering authority reserves the right to reject or accept any tender or part thereof at any stage or to split any tender without assigning any reason. Withdrawal of tender or any revision after submission of tender by the Tenderer will not be allowed.
- c. The tendering authority reserves the right to accept or reject any tender, in part or in full, without assigning any reason.
- d. Purchase will, however be made following the existing purchase policy of the Govt of West Bengal and its amendment(s) made from time to time. The purchase policy of the State Government as provided in the West Bengal Financial Rules, the policy of price preference in particular incorporated under Notification No. 10500-F dated 19.11.04 should be observed in considering the tenders.

**4. Spare Parts**

On being selected, the L<sub>1</sub> Bidder will undertake that supplies of necessary maintenance equipment and spare parts will be made available for all items/equipments and the complete system for at **least five years** on a continuing

basis. However, this does not relieve the supplier of any warranty obligations under the contract.

**5. WARRANTY PERIOD:**

THE TENDERERS MUST QUOTE BASIC RATE ALONG WITH 3 YEAR COMPREHENSIVE ON SITE WARRANTY OF ENTIRE SYSTEM (INCLUDING ALL SPARES & LABOUR) FROM THE DATE OF COMPLETION OF THE SATISFACTORY INSTALLATION. For Extended warranty of 5 years rate should be quoted separately.

**6. AFTER SALE SERVICE:** Confirmation Letter for "After Sales Service" during the entire period of equipment Lifespan from the date of installation and fully equipped Service Centre in Kolkata. Life Span should be mentioned.

**7. Delivery, Installation and Commissioning :**

- a. Delivery of the goods at the purchaser's premises shall be completed by the Supplier in accordance with the terms specified by the purchaser. The installation, testing and commissioning of the proposed system shall be completed in accordance with the order.
- b. In case of distributor, the firm should be direct distributor from the principal's. The sub-distributor or authority by distributor will not be accepted at all.

**14. SPECIAL TERMS AND CONDITIONS FOR TENDER SUBMISSION**

Quality assurance certification like ISO 9000 series or higher should be attached wherever applicable. **ALL QUOTED ITEMS SHOULD BE CE, US(FDA) APPROVED .**

**15. PENALTY CLAUSES-**

**PENALTY FOR FORMATION OF CARTEL OR FURNISHING OF FRAUDULENT/ MISLEADING DOCUMENTS:**

- i. If during the tender process or at any state during the validity of the tender period, it is found that a Tenderer(s) has formed a cartel in what so ever form or name to fix up the rates or suppliers to the detriment of the fairness of the tender process, penal measures shall be initiated by debarring him from joining in the tender and his earnest money will be forfeited straightaway and the firm will be blacklisted for a period of 3(three) years.
- ii. Similar penal measures shall also be initiated against those tenderers who have submitted false/ misleading/ fraudulent documents or made incorrect declarations. The penal measure will also include Forfeiture of Performance Bank Guarantee if enlisted as a supplier.

**16. APPEAL:**

Appeal against the decision of the Principal, Medical College, Kolkata West Bengal and the to impose such a penalty will lie with the H&FW

Dept. The Special Secretary/Secretary/Principal Secretary will be the appellate authority within the Department of Health & Family Welfare, Government of West Bengal. Before imposing any penalty as per clauses 15 the concerned supplier may appeal to the authority citing the proper reasons for non- imposing the penalty as stated.

**17. AGREEMENT:**

On a tender being accepted, intimation of acceptance will be forwarded to the Tenderer by Principal, Medical College, Kolkata. After communication of the same, the Tenderer will have to execute agreement in the prescribed form with the Principal, Medical College, Kolkata.

**18. VALIDITY PERIOD OF E-Tender:**

The tender period will be for a period of two years which may be extended up to six months with prior approval of the tender selection committee of this teaching institution if necessary.

**19. PERFORMANCE BANK GUARANTEE'**

The performance bank guarantee will be mandatory for all suppliers and will not be waived in any case.

The successful tenderers shall be required to furnish the 'Performance Bank Guarantee' @ 10% of L<sub>1</sub> rate per item for which the Tenderer has been selected as supplier & shall valid upto the completion of CAMC.

**20. PAYMENT TERMS:**

Payment will be made through e payment system through ECS/RECS/RTGS after execution of due supply as ordered subject to :

- a. Submission of Performance Bank Guarantee in terms of Clause 19 and subject to penalty clause in terms of Clauses 15.
- b. Supply of the materials as per specification as provided in the tender documents.
- c. Successful matching of supplied materials with the technical specification of MC, Kolkata.
- d. Supply of the materials within the supplied period as specified in the work orders.
- e. On being selected, the successful vendors will have to submit one application to the Accounts Officer, MC, Kolkata stating the name of the payee/ recipient, Bank account no with MICR code & IFSC code, of the payee/recipient for making e-payment.
- f. No manual payment is allowed to be made as far as practicable.

## 21. Dates & Information :

Sl. no	Items	Publishing date(s)
1.	Date of uploading of N.I.T. Documents (online) from this end.	20/02/2021
2.	Documents download/sell start date (online)	22/02/2021
3.	Date of Pre Bid Meeting with the intending bidders at the Seminar Room of Regional Institute of Ophthalmology (RIO), Medical College Hospital Campus, 88 College Street, Kolkata – 700 073	23/02/2021
4.	Date of hoisting of documents at Departmental Website ( <a href="http://www.riokolkata.in">www.riokolkata.in</a> , <a href="https://wbtenders.gov.in">https://wbtenders.gov.in</a> , <a href="http://www.wbhealth.gov.in">www.wbhealth.gov.in</a> )	26/02/2021
5.	Bid Submission starting (On line)	01/03/2021
6.	Bid Submission closing (On line)	23/03/2021
7.	Bid opening (Bid A ) & Technical Evaluation	24/03/2021
8.	Date of uploading list for Technically Qualified Bidder (online) (Bid A)	30/03/2021
9.	Date of Demonstration of Instrument	02/04/2021 to 09/04/2021
10	Date of uploading list of Technically Qualified Bidder after demonstration	13/04/2021
11.	Date for opening of Financial Proposal (Bid B) (Online)	16/04/2021
12.	Date of uploading of list of bidders along with the approved rate	20/04/2021

22. THE **Director, Regional Institute of Ophthalmology, Kolkata** RESERVES THE RIGHT TO CHANGE THE ABOVE SCHEDULE IN CASE OF ANY EXIGENCIES AFTER PUTTING UP A NOTICE IN THE HEALTH DEPARTMENT, WEST BENGAL WEBSITE AND NOTICE BOARD OF THIS INSTITUTION.

23. Bidders of concerned groups are requested to be present in the office chamber of the **Director, Regional Institute of Ophthalmology, Kolkata** during their respective day of opening of technical and financial bid as per schedule or ASTO BE NOTIFIED LATER ON.

24. No objections in this respect will be entertained raised by any Bidder who will be present during opening of bid, or from any Bidder who will be absent at the time of opening of Financial Bid. No informal tenderer will be entertained in the Bid further.

25. During the scrutiny, if it come to the notice to tender inviting authority that the credential or any other paper found incorrect/ manufactured/ fabricated, that bidder would not allowed to participate in the tender and that application will be out rightly

rejected without any prejudice.

FORMAT FOR CHECK LIST

Sn	Items	Pl mark <input type="checkbox"/>		Page no
		Yes	No	
1	Application submitted in Annexure I	Yes	No	
2.	Annexure II (Authorization letter of signatory from the Company)	Yes	No	
3.	Annexure III (Copy of authorization of the distributor from the Company.	Yes	No	
4.	Annexure-IV (Copy of Agreement between manufacturer & the importer/authorized distributor)	Yes	No	
5	EPF/ESI Certificate	Yes	No	
6	Pollution control board clearance	Yes	No	
7	Quality assurance certificate	Yes	No	
8	Copy of PAN Card of the authorised signatory	Yes	No	
9	Earnest money of Rs 50000/-	Yes	No	
10	Last 3 financial years' returns of Income Tax i.e. for 2016-17, 2017-18, 2018-19	Yes	No	
11	Last quarters of last 2 financial years' returns of GST for 2017-18, 2018-2019	Yes	No	
12	Affidavit of non conviction affirmed before a Notary public/ First Class Judicial Magistrate/Executive Magistrate (affidavit sworn after 01.04.2019)	Yes	No	
13	Manufacturer's guarantee	Yes	No	
14	Test report from leading test house	Yes	No	
15	Certificate about quality assurance	Yes	No	
16	Banker's certificate from a schedule bank for solvency	Yes	No	
17	Confirmation of after sale service	Yes	No	
18	Confirmation of Demonstration service	Yes	No	

Annexure I  
APPLICATION  
FORMAT

( To be furnished in the Company's official letter pad with full address and contact no etc)

To  
The Director  
**Regional Institute of Ophthalmology, Kolkata**  
88, COLLEGE STREET, KOLKATA-700 073

*Sub* : NIT for Hospital Equipment/  
Instruments for **RIO**, Kolkata  
Ref: RIO, Kolkata Memo No..... dated .....

Sir,  
Having examined the pre-qualification & other documents published in the N.I.T, I /we hereby submit all the necessary information and relevant documents for evaluation :

1. That the application is made by me / us on behalf of .....  
In the capacity of.....duly authorized to submit the offer. The authorization letter from the Company is attached in Annexure II.
2. We accept the terms and conditions as laid down in the NIT mentioned above and declare that we shall abide by it for throughout the tender period.
3. We are offering rate for the following item /items and assured supply to the Medical College, Kolkata under Health & Family Welfare Department, Government of West Bengal as per Table-1 (Instruments Specification)
4. The copy of the authorization letter from the manufacturer is attached in annexure III
5. The Copy of Agreement between manufacturer & the importer/authorized distributor is attached in annexure IV
5. In the event of being selected, supply will be made within the stipulated period excepting the condition which is beyond our control.
6. We understand that:  
(a) Tender Selection Committee/ Purchase committee of the MC, Kolkata/ H&FW Dept can amend the scope & value of the contract bid under this project.  
(b) Tender Selection Committee/ Purchase committee of the MC, Kolkata /H&FW Dept reserves the right to reject any application without assigning any reason ;

Date :-

Signature of applicant including title and capacity in which application is made.

Contact no :

Tele :

Mobile :

E Mail Address :



## Annexure II

Authorization letter from Company for authorized signatory who will upload the bid on behalf of the Company

Annexure III

Copy of authorization letter of the distributor/Importer from Manufacturer

Annexure-IV

Copy of Agreement between manufacturer & the importer/authorized distributor

## LIST OF EQUIPMENT / INSTRUMENTS : (SPECIFICATIONS)

### 1. Technical Specification of Collagen Cross Linking

#### **Collagen Cross Linking machine with very fast treatment approach:**

The cross linking system should with homogeneous beam & an adjustable energy level to allow very good results in keratoconus.

#### **Features :**

- User adjustable power / energy setting
- Dual aiming beam assisted focussing
- Homogenized radiation system
- Variable beam diameter for different corneal diameters
- Motorized fine focus system
- Ultra efficient LED cluster system
- Video assisted procedure
- Timer switch pause /play option
- Higher working distance
- User programmable memory (minimum 2)
- Rigid Mobile Floor Stand Mount

User Interface	LCD display
Wave length	365 nm
Uv power	0.7 mW/Cm <sup>2</sup> to 30 mW/Cm <sup>2</sup>
Working distance	65 mm
Spot size	6-11 mm
Timer adjustment	(User programmable)
Dual aiming beam	635 nm, 1.0 mW (Adjustable)

### 2. SPECIFICATIONS OF FULLY AUTOMATED ANALYZER

- 1) Should be discrete, Patient Prioritized, Automated, Random Access, Walk away open system Clinical Chemistry Analyzer for Routine chemistries, Immuno-chemistries.
- 2) Should be able to provide results for more than 300 Tests / hour, independent of chemistry configuration.
- 3) Preferably should have non-disposable hard glass/ quartz reaction cuvettes. Disposable cuvette system will not be accepted.
- 4) The reagent tray with on board cooling facility for of all reagents, having 50 positions for reagents with a capability to run upto 2 reagents per test.
- 5) Minimum reading volume should be 200  $\mu$ L / test.

- 6) The Photometric range should be from 340-700 nm with diffraction grating and the system should offer more than 10 wavelengths, with facility to perform measurements using bichromatic wavelengths.
- 7) Should have an ability to measure in the range from 0 – 3.0 Abs.
- 8) Should have separate reagent probe & sample probe to dispense reagent & samples independently. Should have separate stirrers for the reagents & samples mixing in the reaction cuvette.
- 9) It should have memory storage capacity of more than 90 Test Programs. Capable for performing more than six test Profiles & should have capacity to perform calculated tests.
- 10) Should have sample tray having 39 sample positions to accommodate primary tubes and sample cups. In addition to Positions for Standard, reagent blank & for control should be other than those meant for the sample positions.
- 11) The analyzer should be have all position as a STAT position.
- 12) Should have on board washing for the reaction cuvettes having more than 8 stages for better cleanliness of the reaction cuvettes with facility to eliminate dirty cuvettes while performing the assay.
- 13) Should have level detection method for reagents & samples for detection of obstructions and protection of probes / arms from any possible damage.
- 14) Should have capacity of performing multi level Q.C. with daily & monthly L-J graph and twin plot facility, with facility to get analytical flags on proper inputs and facility to view the reaction on the screen. Facility to perform an assay automatically with a software option when the sample value exceeds user defined value, facility to rerun assay on auto diluted sample.
- 15) Should have reagent monitoring facility with messages for replacement / refill and real time display of the reagent level.
- 16) Incubation bath should be of dry bath type for all reaction cuvettes and selectable temperatures of 37° C.

### 3. Technical Specification of Green Laser (LSL and LIO)

- 1 **Laser system:** DPSS (Diode pump Solid state) True CW (continuous wave) / Frequency doubled solid state laser.
- 2 **Safety classifications:** Class 4 Laser Product.
- 3 **Wavelength:** Green (532nm)
- 4 **Maximum Power Output :** 1500 mw ± 20%
- 5 **Max power at Cornea:** 1.5-2.0 W.

- 6 Should have both single & multi spot photocoagulation modality.
- 7 Laser Console should have dual laser fiber port.
- 8 Cooling System: TEC (thermoelectric) for laser & crystal.
- 9 Pulse duration-Single pulse- 10 -2500 ms & Multi Spot-10-50 ms
- 10 Pulse Rate: 50 to 1000 ms
- 11 Spot size: 50 to 1000  $\mu\text{m}$ , par focal, convergent optics laser link  
continuously variable or stepped / 50 to 1000 $\mu\text{m}$ , par focal, parallel optics  
laser link continuously variable.
- 12 Laser beam delivery should be interlaced with slit illumination system.
- 13 Aiming Beam: Laser diode 620 -650 nm, adjustable brightness, Maximum  
1mw or less spot size at the Cornea.
- 14 Physician Safety filter should be true to color and fixed (clear view).
- 15 Laser console weight: 7- 8 kg
- 15 Wireless/Wired Foot Pedal
- 16 **Lightweight Laser Indirect Ophthalmoscope delivery system**  
(Imported, superior quality, wireless, with LED illumination, with aspheric  
20D & 30D  
Lens& carrying case & bracket for mounting the LIO)
- 17 **5 step Slit lamp Delivery system over a motorized table, SL should be**  
Imported, superior quality with servo -electric micro manipulator, micro  
display (of the laser parameters) in the Eye piece in combination of touch  
control switch for changing laser parameters & high quality definite Laser  
focusing system.
- 18 Laser safety goggles, Contact lenses- Mainster PRP 165 deg. &  
Panfundoscopic lens & macular grid
- 19 Co observer Tube
- 20 CE & FDA Approved (with Supportive documents)
- 21 UPS: suitable for the Instrument (to be supplied with the instrument)
  
- 22 Machine should remain operational (Uptime guarantee) for at least 90% of  
the working days. In case of delay, stand by support must be provided by  
the supplier for the interim period.

### **Technical Specification of Indirect Ophthalmoscope**

1. Binocular Indirect Ophthalmoscope with LED illumination (wireless)
2. PD Range : 45 – 75mm
3. Headband mounted with rheostat.
4. Full adjustable positioning of optics

5. Vertical light beam adjustment
6. Ergonomically adjustable Headband.
7. Aperture sizes: Large, medium, small
8. Filters: diffuser, cobalt blue & red free & can be locked into a desired position.
9. Synchronized convergence & parallax adjustment
10. Fine tuning of the illumination beam
11. Diffuser to provide soft light, reducing glare and reflexes during examination
12. Rheostat control for Controlling LED illumination.
13. Rechargeable M-pack unplugged battery mounted on headband.
14. Accessories: 20D & 30D Aspheric Lens, Scleral indenter, Fundus chart, marking pencils
15. Carrying case
16. Standard safety measures.
17. Portable Charger.
18. USFDA Certificate

**4. Specification for High end 3D visualisation system for posterior segment surgery**

**The 3D visualisation system should have the below capabilities:**

- The ability to allow the surgeon to do heads up surgery
- The ability to have a 3D visualisation
- The ability to allow the user to choose different colour channels for enhanced intra-operative visualisation.
- Visualisation system should be capable to interface with surgical equipments like Phacoemulsification / Vitrectomy
- Should have the capability to have parameters video overlaid on screen

**The camera system should have the below capabilities:**

- HDR camera should compatible with major brand / existing microscope
- 3D camera with HDR imaging of 120 Hz
- 6 mega pixels
- 3840\*1080 resolution

**Processing unit should have the below capabilities:**

- Capable of real time (high) rendering image transmission
- Capacity to stream 2D/3D simultaneously
- Allow multiple video inputs
- 16GB DDR4 RAM
- Storage of 120GB SSD and 2 TB HDD
- Wired and wireless touched keyboard

**Display Panel should have the below capabilities:**

- 3840\*2160 resolution
- 60 fps/eye
- Positives polarized 3D
- 55 inch screen
- 2 channel speaker system

**Software should have the below capabilities:**

- 3D/2D video and file management software
- 3D/2D video editing software

**Console should come with 12 circular polarized 3D glasses**

**5. Technical Specification for High definition Angio OCT**

Oct Scanning	Axial resolution: 5 um (in tissue) Transverse resolution: 15 um (in tissue) Scan speed: 27,000-68000 A-Scans per second A-scan depth: 2.0 mm (in tissue), 1024 points Optical Source: superluminescent diode (SLD), 840 nm
Fundus Imaging	Live during scanning Transverse Resolution: 25 um (in tissue) Optical source: 750 superluminescent diode (SLD).
Scan Patterns	Field of view: 36degree x 30 degree Macular Cube 200 x 200 Combo: 200 horizontal scan lines comprised of 200 A –scans Macular Cube 512 x 128 Combo: 128 horizontal scan lines comprised of 512 Ascan, Angio scans 8x8,6x6,3x3 HD21 Line Raster, HD Raster, HD cross, HD 1 Line 100x
Software/ Normative Data	FDA approved normative database for RNFL, ONH & MACULA. Macula thickness analysis and Macula change analysis. RNFL Thickness analysis and. Guided progression analysis (GPA) for RNFL & ONH. C- Scan visualization, Minimum Intensity Projection in En Face Analysis and 3D display. Enhance depth imaging (EDI). Auto fovea finder, auto Disc center for Glaucoma. Single eye combined report of Macular thickness and RNFL thickness . Combination report of RNFL and Ganglion cell deviation maps.
AngioOCT Analysis Vascular density,	Objectively assess change over time in  Perfusion density, Automatic detection of FAZ



Area and Circularity Area ,Perimeter and Circularity, Change Analysis

- Percentile value for each sector thickness analysis.
- **Epithelial Thickness Mapping(ETM) upto 9mmScan.**
- Anterior Chamber Scan with scan depth of 5mm or more and Scan length of 15mm or more.
- Anterior Chamber measurements, Anterior Chamber depth , Lens vault, Angle to angle distance
- High Defination Angle scans with scan length of 5mm or more with Iridocorneal angle measurement
- **Wide angle to angle scan with minimum scan length of 15mm or more with measurements of angle opening distance (AOD) at 500mm and 750mm, trabecular iris space area at 500mm and 750mm, and sclera spur (SSA) angle.**
- High Defination Cornea scans with Refractive tools for residual stromal bed Pachymetry Map with minimum 24 radial line scans of 8mm or more scan length
- Focus Adjustment Range -20D to +20D (diopetrs)
- Fixation Internal and External
- Computer with i7 or higher processor should be integrated in the system with at least 19” high resolution color flat panel display.
- Window 7 software.
- High-performance multi-core processor
- Internal storage:> 80,000 scans
- External computer & LCD display not acceptable.
- Pupil Size Requirements<2.0 mm
- Combined single page report with OCT and HFA.

6. Technical Specification of Visual field analyzer:

SL NO.	TENDER SPECIFICATION
1	Static and kinetic perimetry
2	Stimulus duration – 200 ms
3	Testing distance – 30 cm
4	Background illumination – 31.5 ASB
5	Threshold Test Strategies – SITA standard, <b>SITA FAST, SITA FASTER, Full Threshold</b> , Fast Pac, SITA-SWAP
6	Supra-threshold test modes - Age corrected
7	<b>Blind spot monitor, Video Eye Monitor</b>
8	<b>Gaze and Head tracking</b>
9	<b>Vertex monitoring</b>

10	<b>Touch screen LCD monitor</b>
11	<b>Stimulus- white –on-White, Red or Blue-on-White, Blue -on -Yellow (SWAP)</b>
12	Stimulus size – Goldmann I-V
13	Foveal Threshold testing
14	<b>Automatic pupil measurement</b>
15	<b>Glaucoma Hemifield Test (GHT)</b>
16	<b>Visual Field Index (VFI)</b>
17	Serial Field Overview
18	<b>Guided Progression Analysis</b>
19	<b>REL Eye Monitoring (image view of the eye when clicked on the graph)</b>
20	Along with accessories like Printer, Table, Trial Lenses Set with 2- extra sets and UPS
21	<b>USFDA and CE certification</b>
22	<b>Interface for combined report of OCT and HFA</b>