Tender for CCTV Surveillance System 2019



National Board of Examinations Ansari Nagar, Medical Enclave New Delhi-1 10029

(www.natboard.edu.in)

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National Board of Examinations



(Autonomous body of Ministry of Health & Family Welfare, Govt. of India) NAMS Building, Medical Enclave, Ansari Nagar New Delhi - 110029

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No.: NBE/Admin/Tender/CCTV/2019

dated July 2019

Invitation for Bids for Supply, Installation, Testing, Commissioning and Maintenance of IP based CCTV Surveillance System

The National Board of Examinations (NBE) is an autonomous body of Ministry of Health and Family Welfare (MOHFW), Govt. of India, entrusted with the task of conducting uniform and high standard exams at Post Graduation level in the field of Modern Medicine. All entrance tests for admission to Medical courses, with the exception of NEET (UG) are being conducted by the NBE. Additionally, the NBE conducts three-year Post Graduation level course namely the Diplomate of National Board (DNB) and a two years Fellowship Courses.

- 2. The NBE intends to empanel Agencies who are in business of Supply, Installation, Testing, Commissioning and Maintenance of IP based Video Surveillance System (CCTV) for at its office at New Delhi.
- 3. The NBE invites Tender Bids from reputed CCTV firms (also called the "bidder") who deal in the Supply, Installation, Testing, Commissioning and Maintenance of IP based Video Surveillance System (CCTV) as specified in the scope of work and in accordance with the terms and conditions.

Crucial Dates:	
Published Date	23 nd July 2019
Bid Submission Start Date and Time	23 nd July 2019 12:00 pm
Bid Submission End Date and Time	9th August 2019 12:00 pm
Technical Bid Opening Date and Time	9 th August 2019 4:00 pm
Financial Bid Opening Date and Time	14 th August 2019 2:00 pm
Date for Commencement of Services	1 st September 2019

Scope of Work / Services

- 1. National Board of Examinations requires the services of a reputed, well established firm registered with appropriate authorities for Supply, Installation, Testing, Commissioning and Maintenance of IP based CCTV Surveillance System for at its office building at Sector 9, Dwarka, New Delhi-110075.
- **2.** Installation of IP Cameras in the office of NBE, including all entrances/exit and Periphery.
- **3.** Supply of Items mentioned in BoM, F.O.R destination.
- **4.** The bidder shall install an IP Based CCTV Surveillance system (Hybrid) with distributed architecture having control station at Administrative department, Control Office & Viewing facility at Security cabin and other Areas.
- **5.** All cameras should be IP based, with minimum resolution of 4 MP.
- **6.** A network, comprising a 16-port switch connected with CAT6, shall be laid for power transmission and transmission of signal from cameras to the Control Stations.
- **7.** Main Control Station to be setup for Video Storage and further Control.
- **8.** Sub-Control Station at desired locations shall have a monitor for monitoring the Video only.
- **9.** Proposed Solution should allow select NBE officials to locally and centrally monitor its facilities from a remote location on a Portable/Fixed personal computer monitor.
- **10.** Solution should capture, store, and analyze digital video images to enable central monitoring, increase operational efficiency, reduce liability, minimize risk and secure people & property.
- 11. Once the supply order is placed, it will be the vendors' responsibility to make the project operational. Any additional cost incurred for completing the project and for which the vendor has not bid at the time of submission of this tender will be borne by the vendor.

- **12.** The CCTV Surveillance System installed by the Bidder shall be operational round the clock on all days and have at **least 30 days Video + Audio Recording storage** for all CCTVs.
- **13. Training:** Upon successful completion of the installation & commissioning of the Video Surveillance System, the same shall be demonstrated for all its capabilities to the relevant user department to make them familiar with the system on mutually agreed dates. The Bidder shall provide hands-on training on the installed equipment along with the training materials on the equipment installed at NBE.
- **14. Equipment Warranty Period** All the equipment/materials supplied against this tender shall have <u>Comprehensive Warranty for a period of One (1) year</u> from the date of successful installation and commissioning. All costs for installation and replacement of non-functional equipment /material during the warranty period shall be borne by the Bidder.
- **15.** Bidders should share all the relevant firmware/OS/Patches etc. as and when they are released by OEM during entire warranty period at no cost to NBE.
- **16.** The vendor will liaison on behalf of NBE, with other different OEMs for repairing of equipment(s) and all other accessories involved in the project during warranty period.
- **17.** Annual Maintenance of the entire system will be undertaken as per the terms and conditions mentioned in the tender and any other condition agreed upon as per the terms and conditions.
- **18.** Materials and its specifications have been indicated at Annexure I.
- **19.** All the products, their warranty certificates and Licenses shall be issued in the name of 'National Board of Examinations'.

Eligibility Criteria

I. Eligibility Criteria for bidder

- 1. The vendor should be a registered Proprietor/Partnership/ Company under the Companies Act and also registered with GST Council. Self-attested copy of Registration of the firm/incorporation of the company/LLP, TIN No, PAN No, GST No. should be enclosed and preferably registered as seller with Government e-Market.
- 2. Vendor shall have its registered office/Branch Office/ Service Center/ in Delhi-NCR and shall submit a proof of the same.
- 3. Bidder should have a **minimum turnover of Rs. 50 lakhs** annually during the last three years. Bidder to enclose a certificate duly certified by the CA (Chartered Accountant).
- 4. The Bidder must have executed at least three Surveillance projects of Rs 10,00,000/- (INR 10 Lacs) or above in Govt. Sector/PSU/Reputed Company during last two Financial Years. The Bidder should submit a list of organizations where CCTV and other accessories have been installed during last two years along with the supporting documents.
- 5. The Bidder should not have been blacklisted by any of the Government agencies. Declaration should be given by authorized signatory and undertaking in this regard must be submitted as per the format in **Annexure-IV**.
- 6. The bidder should have <u>Valid Authorization</u> from the principal manufacturer/OEM specific to this case in the name of "National Board of Examinations, New Delhi". General Authorization shall not be entertained and only the price bid of the firms with valid authorization as detailed above shall be opened.
- 7. Bids not satisfying the above eligibility criteria / not accompanied by the requisite documentary proofs shall be rejected and not considered further for evaluation of commercial proposal.

II. Eligibility Criteria in respect for OEM/ Principal Manufacturer

- 1. Original Equipment Manufacturer (OEM) should have Average Annual Financial Turnover not less than Rs 20 Crores. (Only in India specific to CCTV works) for the last three years ending March 2018.
- 2. OEM should have Registered Offices in India since last **5 (Five) years** for which documentary evidence must be provided
- 3. OEM should have Service Centers in India. This is to be supported with documentary evidence.
- 4. OEM should be an ISO 9001 or ISO 14001 certified Company.
- 5. Suppliers dealing in Cameras only those make which have CE and FCC certifications shall be eligible for participating in the tender.
- 6. The Bidder shall submit a Certificate from the OEM that the proposed equipment/model of CCTV would not become obsolete within a period of 4 years. In case it gets EOL due to technology advancement, then OEM will support with equivalent or higher model. Also, any product which is nearing the End-of-Sale (EoS) must not be proposed in the solution.

General Terms and Conditions (GCC)

I. Security Deposit(SD)/Performance Bank Guarantee(PBG)

- The successful bidder who is awarded the contract shall be required 1. to deposit a Performance Security Deposit @ 10% of the total value of the contract in the form of Demand draft/Bank Guarantee/Fixed Deposit from any Scheduled Commercial Bank drawn in favour of National Board of Examinations, New Delhi covering the period of contract and 180 days beyond the contract period. In case, the contract is further extended beyond the initial period, the Performance Security Deposit will have to be accordingly extended / renewed by the successful bidder. All incidental charges whatsoever such as premium, commission etc. with respect to the Bank Guarantee shall be borne by the successful bidder. Non deposit of PBG within the stipulated time shall render the contract invalid and may also lead to forfeiture of EMD, at the discretion of NBE. No interest shall be paid on the Security Deposit/Performance Guarantee.
- 2. If the successful bidder backs out after the award of contract or violates any of the clauses of the contract to be entered into with it, the Performance Guarantee along with Earnest Money would be liable to be forfeited and the bidder shall be debarred from further tendering in NBE for a period of two years at the discretion of NBE.
- 3. After the expiry of the AMC period, the Security Deposit/ Performance Bank Guarantee shall be returned subject to there being no claims.

II. Warranty and Annual Maintenance:

warranty of one year against all types of defects and deficiencies, from date of handing over of the system to NBE. Any defects found in product/sub-product within the warranty period of 1 year shall be rectified/ replaced, Installed and Tested by the vendor free of cost. During this period of warranty, servicing at quarterly interval or earlier without any additional cost besides attending to service calls in case of break down shall be carried out free-of-cost. This includes replacement of parts and spare parts and any number of break down call.

- 2) After lapse of warranty offered by Manufacturer, CCTV camera with all its accessories will be on **Annual Maintenance**, and the bidders should quote the rate towards the same in price bid. Maintenance charges will be paid to the successful bidder on quarterly basis after deduction of applicable taxes.
- 3) AMC shall be on-site comprehensive maintenance, which includes preventive as well as corrective maintenance. The firm awarded with the maintenance contract shall carry out routine preventive maintenance of equipment and shall maintain the proper record thereof.
- 4) The comprehensive maintenance shall be carried out primarily at the premises of NBE on all working days during office hours or even beyond office hours or on holidays depending upon exigency of work as and when so required.
- 5) In case, the service provider feels that the equipment cannot be repaired at site, they will carry and deliver the equipment at their own cost and get it repaired within 24 hours, failing which replacement shall be provided, or an amount of Rs.300/- per day per CCTV shall be payable as compensation. The firm shall maintain proper service call sheets which will be duly signed by the Engineer and the concerned official of NBE.
- 6) The Bidder shall ensure that the equipment is retained in its original or higher configuration and form. In the event of any downward alteration to the equipment by the Bidder or any attachment made thereto, Bidder shall pay for any repair/replacement and adjustments required to restore the equipment to its original state. The faulty equipment parts replaced must be new and equivalent or better in performance of existing parts.
- 7) It shall be ensured that all the equipment are operational under controlled power supply and all defective equipment if any shall be rectified/replaced without any additional cost to the NBE. The vendor will not raise any condition with regard to the working environments including voltage, earthing etc. for equipment covered under AMC.

- 8) AMC shall cover each and every part/equipment of CCTV system, Cameras and accessories including plastic body and parts, replacement of any part necessary for keeping the CCTV system active and free from any defects/disturbance, any unscheduled call for corrective and/or preventive maintenance services, taking appropriate measures/steps in time to set right the malfunctioning of the CCTV of the system.
- 9) Maintenance of the CCTV surveillance system includes Camera Visibility Test, DVR Recording, DVR Recording Test, DVR Settings Verification, and Disk Error Check. Replacement of CCTV Parts, SMPS for CCTV and UPS and other related activities.
- 10) The faulty equipment parts replaced must be new and equivalent/better in performance of existing parts.
- 11) The firm to ensure 99% uptime for the entire equipment failing which compensation of Rs.300/- per day shall be sought /collected or adjusted from payments to be made.

III. Defect liability period

The defect liability period shall be 12 (Twelve) months from the date of completion of the work. The successful bidder shall be responsible for all defects in the material supplied like defective workmanship, use of defective materials, breakage, etc. for a period of 12 (Twelve) months from the date of completion of the job. The successful bidder shall rectify the defects/defective parts within 24 hrs. or maximum up to 48 hrs from the time of lodging the complaint up to the satisfaction of the competent authority of NBE or otherwise NBE shall have the right to rectify the defect at the successful bidder's own risk and the cost of which will be adjusted from the security Deposit. Decision of NBE in this regard shall be final and binding on the successful bidder.

IV. Cancellation by Default:

1) NBE may without prejudice to any other remedy for breach of terms and conditions of the RFP and the contract (including forfeiture of Performance Security send a written notice to the vendor and thereby, terminate the work / task in whole or in part as per the terms and conditions specified in the contract with successful bidder/vendor.

- 2) If the vendor fails to deliver or complete the job assigned in the terms and conditions within the time period (s) specified in the Tender Document which shall be an essence of the contract.
- 3) If the vendor fails to perform any other obligations under the terms and conditions as specified in the contract.

V. Period of Bid Validity

Bids shall remain valid for 90 days from the date of Bid Opening. Any Bid valid for a shorter period than the period specified shall be rejected as non-responsive. In exceptional cases, NBE may seek extension of the bid validity period, where process could not be completed for any reason.

VI. Compensation

- 1) The time allowed for executing the surveillance system as detailed in the bid document shall be strictly observed by the successful bidder. The supply shall throughout the stipulated period of the order, be proceeded with all the diligence (time being deemed to be the essence of the order) and the successful bidder shall pay to NBE, an amount equal to 2% of the amount of the contract value for every week that the commissioning of the system may remain incomplete as per delivery schedule as stipulated in the bid document subject to a maximum compensation of 10% of the contract value after which, action will be taken by NBE as will deemed fit. NBE may extend the time of delivery of the ordered items at their discretion on the application of the successful bidder for such purpose provided that the NBE considers the reasons for such extension as good, sufficient and acceptable.
- 2) Notwithstanding that NBE is entitled or may seek compensation, NBE shall have the right to cancel the contract on the delay in supply or commissioning of CCTV surveillance system or rectification in case of defects.

VII. Award of Contract:

1) NBE shall issue PO to the L1 bidder, prior to the expiry of the period of Bid validity period or may request the bidder to extend the bid validity period in exceptional cases.

- 2) The Successful Bidder shall give his acceptance within 1 week from the date of issue of PO. A separate contract shall be entered into with the successful bidder upon the terms and conditions mentioned therein.
- 3) The liability of the successful bidder to perform the job will commence from the date of notification of Award. The Completion Period shall be counted from the date of 'Notification of Award'.

VIII. Payment Procedure

- 1) 100% Payment will be released to the vendor after successful delivery, installation, testing and commissioning of the supplied material at desired locations at NBE, subject to submission of Performance Bank Guarantee of requisite amount.
- 2) The payment shall be made after submission of invoice in triplicate in the name of 'National Board of Examinations' along with the satisfactory installation and commissioning report duly signed by the concerned department/official of the NBE.
- 3) The AMC payment will be processed after completion of each quarter as per the proportionate amount for each quarter after the submission of the pre-receipted bill in triplicate along with the call reports and preventive maintenance report undertaken for the quarter.

IX. Disclaimer

Family Members of NBE Employees or their relatives are prohibited from participating in this bid.

X. Jurisdiction

- 1. All differences and disputes arising out of or in connection with the Agreement shall be settled by mutual discussions and negotiations. If such disputes and differences cannot be settled and resolved by discussions and negotiations, then the same shall be referred to the Sole Arbitrator appointed by the Executive Director, NBE whose decision shall be final and binding on both the parties.
- 2. **Judicial jurisdiction** shall within New Delhi only.

Instructions to the Bidder

I. Tender Document

- 1. Bidder shall submit the Tender Documents duly signed and stamped on each page of tender in token of his acceptance along with his bid.
- 2. Bid shall remain valid for 90 days from the date of opening of the Technical Bid.

II. Clarification Requests by Bidder

- 1. Although the details presented in this Tender Documents consisting of conditions of contract, scope of work and technical specifications have been compiled with all reasonable care, it is the Bidder's responsibility to ensure that the information provided is adequate and clearly understood.
- 2. Bidder shall examine the Tender documents thoroughly in all respect.
- 3. Any failure by Bidder to comply with the aforesaid requirements shall not absolve the Bidder from liability after subsequent award of contract from performing the work in accordance with the Tender Documents.

III. Amendment of Tender Document

- 1. NBE may, for any reason whether at its own initiative or in response to the clarification requested by the prospective Bidder, issue amendment in the form of addendum during the Bidding period and subsequent to receiving the bids. Any addendum thus issued shall become part of bidding document and Bidder shall submit 'original' addendum duly signed and stamped in token of his acceptance.
- 2. For addendum issued during the Bidding period, Bidder shall consider the impact in his Bid. For addendum issued subsequent to receiving the Bids, Bidder shall follow the instructions issued along with addendum with regard to submission of impact on quoted price/revised price, if any.

IV. Language of Bid & Correspondence:

- 1. The Bid will be submitted by the Bidder in English language only.
- 2. All the documents relating to the Bid (including brochures) supplied by the bidder should also be in English. The correspondence between the Bidder & NBE will be in English language only.

V. Earnest Money Deposit

- 1) All Bids must be accompanied by Earnest Money for an amount of Rs.50,000/- (Rupees Fifty Thousand only) in the form of Demand Draft issued by any Scheduled / nationalized Indian bank drawn in favour of 'National Board of Examinations', payable at New Delhi.
- 2) Unsuccessful bidder's EMD will be returned within 30 days from the date of placement of order to the successful bidder.
- 3) Successful bidder's EMD will be released subject to the submission of Bank Guarantee of requisite amount.
- 4) The EMD shall be forfeited if the successful bidder withdraws after issuance of the 'Notice of Award of Contact' or failed to submit the acceptance and Security Deposit/PBG within the specified timelines or defaults in performance of its obligations under the contract.
- 5) No interest is payable on the EMD.

VI. Schedule of Rates

- 1) Schedule of Rates shall be read in conjunction with all other sections of Tender documents.
- 2) Rates quoted by the bidder shall remain firm and fixed for the entire period of contract, unless stated otherwise.
- 3) Bidder is required to quote strictly as per prescribed format, based on description of work in the tender documents. In the event of any variation/ modification in format/tender description is noticed, the bid will be liable to be rejected. In any case, bidder shall be presumed to have quoted against the description of work and the same shall be binding on the Bidder.
- 4) Price must be mentioned in INR inclusive of transportation cost.
- 5) Add On/Repeat Order: NBE reserves the right to place Add on/Repeat order for additional quantity at the same rate and terms & conditions.
- 6) Rates quoted shall be in Indian Rupees (INR) only, excluding all taxes.
- 7) Bidder shall quote rates both in figures as well as in words.
- 8) Taxes will be paid extra, as applicable.

VII. NBE's right to Accept or Reject a Bid

- 1. NBE reserves the right to terminate this tender process at any time prior to signing of the contract with successful bidder without assigning any reason thereof and shall not be liable to any bidder /party in any manner either directly or indirectly.
- 2. NBE reserves the right to accept a Bid other than the lowest and to accept or reject any Bid in whole or part, or to annul the bidding process or to reject all Bids with or without notice or reasons. NBE shall bear no liability whatsoever consequent upon such decisions. Conditional Bids shall be rejected.
- 3. NBE reserves right to sub-divide the work mentioned in the Tender, among two or more Bidders at its own discretion and the Bidders shall have to execute the orders for part of the work placed with them at the rates approved by the competent authority in NBE.
- 4. NBE shall not be obliged to furnish any information / clarification / explanation to the unsuccessful Bidders as regards non acceptance of their Bids.
- 5. Except for refund of EMD to unsuccessful Bidders, NBE shall not correspond with the unsuccessful Bidders.

VIII. Tender Type: Single Stage Two Envelops System (Two Bid System)

Tender Type: Single Stage Two Bid System (Two Envelope System) shall be followed by NBE to determine the successful bidder. The firm (bidder) should bifurcate their bids in two separate envelops, (with appropriate superscriptions), and submit the same in one sealed envelope as indicated below:

1) **Envelope I:** The first envelop, called the **Technical Bid**, should contain the Demand Draft towards EMD, the eligibility/technical documents and performance aspects, commercial terms and conditions and documents sought in the tender, except the price and relevant financial details.

- 2) **Envelope II:** In the second envelop, called the **Financial Bid**, the firm (bidder) should submit their price quotations strictly in format supplied by the NBE, along with other financial details.
- 3) <u>Master Envelope:</u> All the Envelopes I and II should be sealed separately and shall be put inside an outer cover superscribed as "Tender for CCTV Surveillance System".
- 4) All interested bidders may submit their Bids addressed to the Honorary Executive Director, by <u>12 noon of 9th August, 2019</u> (Last Date) at the following address:

National Board of Examinations, NAMS Building, Medical Enclave, Ansari Nagar, Mahatma Gandhi Marg, New Delhi – 110029

5) The envelopes containing the **Technical bids** shall be opened on the same day at 4 pm at the <u>NBE Dwarka office</u> at the following address:

National Board of Examinations, (Opposite Dwarka Courts) PSP Area, Sector 9, Dwarka, New Delhi – 110075

- 6) Technical Bids shall be scrutinised and evaluated by NBE's Technical Evaluation Committee with reference to the parameters prescribed in the tender documents, and responsive, eligible and technically compliant bidders shall be decided.
- 7) Each eligible and Technically Compliant bidder shall make a presentation for a maximum of 15 minutes, before NBE's Technical and Evaluation Committee at 5pm of the same day.
- 8) Thereafter, in the Second instance, **Financial Bids** of only Technically Compliant offers (as decided in the first instance above) shall be opened at NBE Dwarka Office at **2 pm of the 14th August 2019**, for further scrutiny, evaluation, ranking and placement of contract. Unsigned or unstamped tender shall not be accepted.
- 9) The bidder shall attach the copy of the Authorization Letter / Power of Attorney as the proof of authorization for signing on behalf of Bidder.

- 10) The Financial Bids of Technically non-compliant bidders shall be returned unopened to the respective bidders by SPEEDPOST/reliable courier or any other mode with proof of delivery.
- 11) Any Bid received by NBE after the last date of submission of Bids shall be summarily rejected and returned unopened to the Bidder.
- 12) NBE shall not be responsible for any postal delay or non-receipt / non-delivery / incomplete Bid documents. No further correspondence on this will be entertained.

IX. Criteria for evaluation of Tenders:

The evaluation of the Bids submitted shall be done in following two stages:

1) **Technical Evaluation:** The bids shall be opened in front of the bidders and technical evaluation shall be carried out to conform to tender requirements.

2) Financial Evaluation

- i. Only the technically qualified bidders shall be invited during opening of commercial bids and subsequently commercial evaluation shall be carried out.
- ii. If any arithmetic discrepancies found in the commercial bid then actual price will be derived based on the unit price quoted & taxes thereon. If there is any difference between price quoted in figures and words then lowest among these shall be considered for determination of L1.
- iii. Initial evaluation / comparison for various categories of items given in the Tender Document will be done on the basis of Gross Bid Value. The bid with lowest Financial Bid (L1) shall be considered for the award of contract.
- iv. The bidder, whose evaluated price is found to be lowest (L-1), shall be considered for placement of Work Order.

X. Clarification during Technical Bid Evaluation

1) Technical Bids shall be evaluated based on the available documents submitted by the bidder. To assist in the examination, evaluation, and comparison of the bids, NBE at its discretion, may ask any Bidder for clarification(s) of their Bid.

2) In the event, Bidder fails to provide clarifications sought by NBE, by Stipulated time asset in NBE's request for clarification, the Bid may be decided based on documents available, without any further intimation to the Bidder.

XI. Clarification regarding Tender Document:

- 1) At any time prior to the last date of submission of bids, NBE may modify the RFP without assigning any reasons. Any modifications in RFP or reply to queries shall be hosted only on ww.natboard.edu.in
- 2) NBE at its discretion may extend the last date for the receipt of Bids.

XII. Determination of Responsiveness

- 1) Prior to Financial Evaluation of Bids, NBE shall determine whether each Bid is substantially responsive to the requirements of the Bidding document.
- 2) For the purpose of this clause, a substantially responsive bid is one, which conforms to all the terms and conditions and specifications of the bidding document without material deviation or reservation.
- 3) A material deviation or reservation is one which affects in any substantial way the scope, quality, or performance of the works or which limits in any substantial way, inconsistent with the Tender document, NBE's rights on contractor's obligation.
- 4) If a Bid is not substantially responsive to the requirements of the Bidding documents, it may be rejected by NBE.
- 5) Conditional Bids shall be rejected without assigning any reason.

XIII. Unsolicited Post Bidding Modifications

- Bidders are advised to quote strictly as per terms and conditions of the Tender document and not to stipulate any deviations / exceptions.
- 2) Once quoted, the Bidder shall not be allowed any changes. Any proposal for price change is likely to render the Bid liable for rejection. However, during finalization of contract, NBE reserves the right to negotiate with the successful bidder.

XIV. Blacklisting

- 1) Company/Firm blacklisted by any Government/PSU/Corporate organization is not eligible to participate in this tender process.
- 2) If at any stage of bidding process or during the currency of contact, such information comes to the knowledge of NBE, NBE shall have right to reject the bid or cancel the work order (as the case may be) and withheld Security Deposit/EMD.
- 3) Bidders to submit an Undertaking on their letter head, that their company/firm is not blacklisted by any Govt./PSU/Corporate organization.

XV. Other Instructions:

- 1) MAF (Original Manufacturer Authorization Form) of camera, DVR should be submitted along with the technical bid.
- 2) Product Quoted (CCTV Camera, NVR, Other Accessories and software if any) should be of same make.
- 3) The requirement/installation of CCTV Cameras may increase or decrease as per the needs of the department and the bidder should have the capacity to provide more CCTV cameras/accessories as and when required by NBE for installation.
- 4) **Service Delivery:** Service delivery shall be within **3-4 weeks** from the date of PO/Contract. If the Service Conditions as per the Contract are not met, the vendor is liable to be blacklisted and they will not be considered for any future proposals.
- 5) At any time prior to the last date of submission of bids, NBE may modify the tender document without assigning any reasons.
- 6) Any modifications in tender document or reply to queries shall be hosted only on ww.natboard.edu.in
- 7) NBE at its discretion may extend the last date for the receipt of Bids.
- 8) When any offer is submitted pursuant to this tender, it shall be presumed by NBE that the bidder has fully ascertained and ensured about its eligibility, under the respective governing laws and regulatory regimen, local site conditions and it has necessary approvals and permission, and suffers no disability in law or otherwise to act as such.

TECHNICAL SPECIFICATIONS COMPLIANCE STATEMENT

Technical Specification for the Supply, installation, testing, commissioning of CCTV Camera along with storage, LAN connection and required accessories

N.B.: The bidder is to submit the **Product Catalogue/Datasheet** of the suggested model of each Product.

	4 MP IP Dome cameras				
	Make				
	Model				
Sr. No.	Specification	Details	Complied Yes/No	If No, mention Specifications	
1	Sensor	Min. of 1/3" 4 MP progressive scan CMOS			
2	Resolution	Minimum 2688 x 1520 for high definition video quality			
3	Frame Rate	Minimum 4M (20/25fps) so as to give a swift video output even in case of fast moving objects.			
4	Video Compression	H.265+/ H.265 / H.264+/ H.264			
5	Shutter Speed	Auto/Manual, 1/3(4)~1/100000s			
6	Audio Compression	G.711a / G.711u			
7	S/N Ratio	More than 50dB			
8	Lens	2.7~12mm			
9	Privacy Masking	Camera should support up to 4 areas.			
10	Minimum Illumination	0.1Lux/F1.4 (Color), 0Lux/F1.4(IR on)			
11	ICR	Auto (ICR)/Color/B/W			
12	IR Distance	The camera should have inbuilt IR and cover distance up to 30 Mtr or above			
13	Video Streaming	Camera should output a master & a slave stream that are individually configurable. Should support Triple Streaming			
14	ROI Support	The Camera should allow at least 2 sections of the camera view to be streamed separately for distinguished viewing and recording. Furthermore it should give the capability to configure these streams individually			
15	Backlight Compensation	BLC should allow adjusting the gain of the camera to improve exposure of subjects that are in front of a bright light source			
16	Wide-Dynamic-Range	The camera should give a WDR range of minimum 120 dB Real WDR (Must be Hardware driven)			
17	Noise Reduction	3D-DNR			

Sr. No.	Specification	Details	Complied Yes/No	If No, mention Specifications
18	Camera Tampering	The camera shall provide real time tampering protection by means of alerts generated at the software.		
19	Pre/Post Event Buffering	The camera should support a least of 3 seconds of pre & post event buffering.		
20	Event Notification	Through Relays, E-Mails or FTP		
21	Network Protocol	HTTP; HTTPs; TCP/IP; SSL; ARP; RTSP; RTP; UDP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; QoS; UPnP; NTP; Bonjour; 802.1x; Multicast; ICMP; IGMP; SNMP; IP Filter; ONVIF; PSIA; CGI		
22	Security	Security Password protection, HTTPS (SSL, TLS), IP filtering, IEEE 802.1X		
23	Micro SD Slot	Should support upto a maximum of 128GB micro-SD		
24	Others	Exposure Control, AGC, White Balance		
25	Video Content Analytics	Motion detection		
	supported by Camera	Tripwire		
		Intrusion		
		Abandoned/Missing		
		Scene Change		
		Face detection		
		Crossing line		
		Object removal		
26	Network Ethernet	RJ-45 (10/100Base-T)		
27	Event Notification	Video tampering, Network disconnection, IP conflict, Illegal Access, Storage anomaly		
28	Alarm In/Out	1/1 channel In/Out		
29	Audio In/Out	1/1, to equip camera with 2-way audio		
30	Power Source	DC12V, PoE (IEEE 802.3af) to supply power to the camera over the network and DC12 V to supply local power in case of longer distance where PoE is not possible.		
31	Power Consumption	Not to exceed 10W		
32	Smart Phone	Remote monitoring over iPhone, iPad, Android, Windows Phone & Desktop PC		
33	Operation Temperature	-30° C to +60° C, Less than 95% RH		
34	Weather Proof Standard	IP67 rated weather proofing standards		
35	Vandal Proof	Vandal Resistance IK10		
36	Open Protocol	ONVIF Profile S or higher		
37	Certifications	FCC ,CE, ISO, RoHS Compliant		

	4 MP IP Bullet camera			
	Make			
	Model			
Sr. No.	Specification	Details	Complied Yes/No	If No, mention Specifications
1	Sensor	Min. 1/3" 4 MP progressive scan CMOS		
2	Resolution	Min. 2688 x1520 for HD video quality		
3	Frame Rate	The camera should capture images at a frame rate of 25/30fps @ 4M (2688×1520) so as to give a swift video output even in case of fast moving objects.		
4	Video Compression	H.265+/ H.265/ H.264+/ H.264		
5	Shutter Speed	Auto/Manual, 1/3(4)~1/100000s		
6	Audio Compression	G.711a / G.711u		
7	S/N Ratio	More than 50dB		
8	Lens	2.7~13.5mm Motorized lens.		
9	Privacy Masking	Camera should support up to 4 areas.		
10	Minimum Illumination	Color 0.01Lux/F1.4, 0Lux/F1.4(IR on)		
11	ICR	Auto(ICR)/Color/B/W		
12	IR Distance	The camera should have inbuilt IR and cover distance up to 50 Mtr. or above		
13	Video Streaming	The camera should output a master and a slave stream that are individually configurable. Should support Triple Streaming.		
14	ROI Support	The Camera should allow at least 2 sections of the camera view to be streamed separately for distinguished viewing and recording. Furthermore it should give the capability to configure these streams individually		
15	Backlight Compensation	BLC should allow adjusting the gain of the camera to improve exposure of subjects that are in front of a bright light source		
16	Wide-Dynamic-Range	The camera should give a WDR range of minimum 120 dB Real WDR (Must be Hardware driven)		
17	Noise Reduction	3D-DNR		
18	Camera Tampering	The camera shall provide real time tampering protection by means of alerts generated at the software.		
19	Pre/Post Event Buffering	The camera should support a least of 3 seconds of pre & post event buffering.		
20	Event Notification	Through Relays, E-Mails or FTP		

Network Protocol HTTP; HTTPs; TCP/IP; SSL; ARP; RTSP; RTP; UDP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPV4/V6; QoS; UPnP; NTP; Bonjour; 802.1x; Multicast; ICMP; IGMP; SNMP; IP Filter; ONVIF; PSIA; CGI	Sr. No.	Specification	Details	Complied Yes/No	If No, mention Specifications
Security Security Password protection, HTTPS (SSL, TLS), IP filtering, IEEE 802.1X	21	Network Protocol	RTP; UDP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; QoS; UPnP; NTP; Bonjour; 802.1x; Multicast; ICMP; IGMP;		
128GB micro-SD 24 Others Exposure Control, AGC, White Balance 25 Video Content Analytics supported by Camera Tripwire Intrusion Abandoned/Missing Scene Change Face detection Crossing line Object removal Object remova	22	Security	Security Password protection, HTTPS		
Video Content Analytics supported by Camera	23	Micro SD Slot	, · · · ·		
supported by Camera Fripwire Intrusion Abandoned/Missing Scene Change Face detection Crossing line Object removal 26 Network Ethernet RJ-45 (10/100Base-T) Event Notification Video tampering, Network disconnection, IP address conflict, Illegal Access, Storage anomaly Alarm In/Out 1/1 channel In/Out 1/1, to equip camera with 2-way audio Power Source DC12V, POE (IEEE 802.3af) to supply power to camera over network and DC12 V to supply local power in case of longer distance where POE is not possible. Power Consumption Abandoned/Missing Scene Change Face detection Crossing line Object removal Video tampering, Network disconnection, IP address conflict, Illegal Access, Storage anomaly Power Source DC12V, POE (IEEE 802.3af) to supply power to camera over network and DC12 V to supply local power in case of longer distance where POE is not possible. 22 Power Consumption Active Camera over network and DC12 V to supply local power in case of longer distance where POE is not possible. 32 Power Consumption Remote monitoring over iPhone, iPad, Android, Windows Phone & Desktop PC 34 Operation Temperature -30° C to +60° C, Less than 95% RH Weather Proof Standard IP67	24	Others	Exposure Control, AGC, White Balance		
Intrusion Abandoned/Missing Scene Change Face detection Crossing line Object removal 26 Network Ethernet RJ-45 (10/100Base-T) 27 Event Notification Video tampering, Network disconnection, IP address conflict, Illegal Access, Storage anomaly 28 Alarm In/Out 1/1 channel In/Out 29 Audio In/Out 1/1, to equip camera with 2-way audio 31 Power Source DC12V, PoE (IEEE 802.3af) to supply power to camera over network and DC12 V to supply local power in case of longer distance where PoE is not possible. 32 Power Consumption < 12W (with IR on, motorized lens working) 33 Smart Phone Remote monitoring over iPhone, iPad, Android, Windows Phone & Desktop PC 34 Operation Temperature -30° C to +60° C, Less than 95% RH 35 Weather Proof Standard IP67	25	Video Content Analytics	Motion detection		
Abandoned/Missing Scene Change Face detection Crossing line Object removal 26 Network Ethernet RJ-45 (10/100Base-T) Event Notification Video tampering, Network disconnection, IP address conflict, Illegal Access, Storage anomaly 28 Alarm In/Out 1/1 channel In/Out 29 Audio In/Out 1/1, to equip camera with 2-way audio 31 Power Source DC12V, PoE (IEEE 802.3af) to supply power to camera over network and DC12 V to supply local power in case of longer distance where PoE is not possible. 32 Power Consumption < 12W (with IR on, motorized lens working) 33 Smart Phone Remote monitoring over iPhone, iPad, Android, Windows Phone & Desktop PC 34 Operation Temperature -30° C to +60° C, Less than 95% RH 35 Weather Proof Standard IP67		supported by Camera	Tripwire		
Scene Change Face detection Crossing line Object removal 26 Network Ethernet RJ-45 (10/100Base-T) Event Notification Video tampering, Network disconnection, IP address conflict, Illegal Access, Storage anomaly 28 Alarm In/Out 1/1 channel In/Out 29 Audio In/Out 1/1, to equip camera with 2-way audio 31 Power Source DC12V, PoE (IEEE 802.3af) to supply power to camera over network and DC12 V to supply local power in case of longer distance where PoE is not possible. 32 Power Consumption < 12W (with IR on, motorized lens working) 33 Smart Phone Remote monitoring over iPhone, iPad, Android, Windows Phone & Desktop PC 34 Operation Temperature -30° C to +60° C, Less than 95% RH 35 Weather Proof Standard IP67			Intrusion		
Face detection Crossing line Object removal 26 Network Ethernet RJ-45 (10/100Base-T) Event Notification Video tampering, Network disconnection, IP address conflict, Illegal Access, Storage anomaly 28 Alarm In/Out 1/1 channel In/Out 29 Audio In/Out 1/1, to equip camera with 2-way audio 31 Power Source DC12V, PoE (IEEE 802.3af) to supply power to camera over network and DC12 V to supply local power in case of longer distance where PoE is not possible. 32 Power Consumption < 12W (with IR on, motorized lens working) 33 Smart Phone Remote monitoring over iPhone, iPad, Android, Windows Phone & Desktop PC 34 Operation Temperature -30° C to +60° C, Less than 95% RH 35 Weather Proof Standard IP67			Abandoned/Missing		
Crossing line Object removal 26 Network Ethernet RJ-45 (10/100Base-T) 27 Event Notification Video tampering, Network disconnection, IP address conflict, Illegal Access, Storage anomaly 28 Alarm In/Out 1/1 channel In/Out 29 Audio In/Out 1/1, to equip camera with 2-way audio 31 Power Source DC12V, PoE (IEEE 802.3af) to supply power to camera over network and DC12 V to supply local power in case of longer distance where PoE is not possible. 32 Power Consumption < 12W (with IR on, motorized lens working) 33 Smart Phone Remote monitoring over iPhone, iPad, Android, Windows Phone & Desktop PC 34 Operation Temperature -30° C to +60° C, Less than 95% RH 35 Weather Proof Standard IP67			Scene Change		
Object removal RJ-45 (10/100Base-T) Event Notification Video tampering, Network disconnection, IP address conflict, Illegal Access, Storage anomaly Alarm In/Out 1/1 channel In/Out 1/1, to equip camera with 2-way audio DC12V, PoE (IEEE 802.3af) to supply power to camera over network and DC12 V to supply local power in case of longer distance where PoE is not possible. Power Consumption Tule (with IR on, motorized lens working) Smart Phone Remote monitoring over iPhone, iPad, Android, Windows Phone & Desktop PC Android, Windows Phone & Desktop PC Weather Proof Standard IP67			Face detection		
26 Network Ethernet RJ-45 (10/100Base-T) 27 Event Notification Video tampering, Network disconnection, IP address conflict, Illegal Access, Storage anomaly 28 Alarm In/Out 1/1 channel In/Out 29 Audio In/Out 1/1, to equip camera with 2-way audio 31 Power Source DC12V, PoE (IEEE 802.3af) to supply power to camera over network and DC12 V to supply local power in case of longer distance where PoE is not possible. 32 Power Consumption < 12W (with IR on, motorized lens working) 33 Smart Phone Remote monitoring over iPhone, iPad, Android, Windows Phone & Desktop PC 34 Operation Temperature -30° C to +60° C, Less than 95% RH 35 Weather Proof Standard IP67			Crossing line		
27 Event Notification Video tampering, Network disconnection, IP address conflict, Illegal Access, Storage anomaly 28 Alarm In/Out 1/1 channel In/Out 29 Audio In/Out 1/1, to equip camera with 2-way audio 31 Power Source DC12V, PoE (IEEE 802.3af) to supply power to camera over network and DC12 V to supply local power in case of longer distance where PoE is not possible. 32 Power Consumption < 12W (with IR on, motorized lens working) 33 Smart Phone Remote monitoring over iPhone, iPad, Android, Windows Phone & Desktop PC 34 Operation Temperature -30° C to +60° C, Less than 95% RH 35 Weather Proof Standard IP67			Object removal		
IP address conflict, Illegal Access, Storage anomaly 28 Alarm In/Out 1/1 channel In/Out 29 Audio In/Out 1/1, to equip camera with 2-way audio 31 Power Source DC12V, PoE (IEEE 802.3af) to supply power to camera over network and DC12 V to supply local power in case of longer distance where PoE is not possible. 32 Power Consumption < 12W (with IR on, motorized lens working) 33 Smart Phone Remote monitoring over iPhone, iPad, Android, Windows Phone & Desktop PC 34 Operation Temperature -30° C to +60° C, Less than 95% RH 35 Weather Proof Standard IP67	26	Network Ethernet	RJ-45 (10/100Base-T)		
29 Audio In/Out 1/1, to equip camera with 2-way audio DC12V, PoE (IEEE 802.3af) to supply power to camera over network and DC12 V to supply local power in case of longer distance where PoE is not possible. Power Consumption 1/1, to equip camera with 2-way audio DC12V, PoE (IEEE 802.3af) to supply power in case of longer distance where PoE is not possible. 1/2 Power Consumption 1/2 (with IR on, motorized lens working) Smart Phone Remote monitoring over iPhone, iPad, Android, Windows Phone & Desktop PC Android, Windows Phone & Desktop PC Veration Temperature -30° C to +60° C, Less than 95% RH Weather Proof Standard IP67	27	Event Notification	IP address conflict, Illegal Access, Storage		
Power Source DC12V, PoE (IEEE 802.3af) to supply power to camera over network and DC12 V to supply local power in case of longer distance where PoE is not possible. Power Consumption 12W (with IR on, motorized lens working) Remote monitoring over iPhone, iPad, Android, Windows Phone & Desktop PC Operation Temperature -30° C to +60° C, Less than 95% RH Weather Proof Standard IP67	28	Alarm In/Out	1/1 channel In/Out		
power to camera over network and DC12 V to supply local power in case of longer distance where PoE is not possible. 32 Power Consumption < 12W (with IR on, motorized lens working) 33 Smart Phone Remote monitoring over iPhone, iPad, Android, Windows Phone & Desktop PC 34 Operation Temperature -30° C to +60° C, Less than 95% RH 35 Weather Proof Standard IP67	29	Audio In/Out	1/1, to equip camera with 2-way audio		
working) 33 Smart Phone Remote monitoring over iPhone, iPad, Android, Windows Phone & Desktop PC 34 Operation Temperature -30° C to +60° C, Less than 95% RH 35 Weather Proof Standard IP67	31	Power Source	power to camera over network and DC12 V to supply local power in case of longer		
Android, Windows Phone & Desktop PC 34 Operation Temperature -30° C to +60° C, Less than 95% RH 35 Weather Proof Standard IP67	32	Power Consumption			
35 Weather Proof Standard IP67	33	Smart Phone			
	34	Operation Temperature	-30° C to +60° C, Less than 95% RH		
36 Open Protocol ONVIF Profile S or higher	35	Weather Proof Standard	IP67		
	36	Open Protocol	ONVIF Profile S or higher		
37 Certifications FCC ,CE, ISO, RoHS Compliant	37	Certifications	FCC ,CE, ISO, RoHS Compliant	_	

	32Ch Network Video Recorder (NVR)				
	Make				
	Model				
Sr. No.	Specification	Details	Complied Yes/No	If No, mention Specifications	
1	Processor	Quad-core embedded processor or better			
2	Operating System	Embedded LINUX			
3	IP Camera Input	32 channel			
4	Two-way Talk	1 channel Input, 1 channel Output, RCA			
5	Display Interface	2 HDMI, 1 VGA			
6	Video Resolution	3840×2160, 1920×1080, 1280×1024, 1280×720, 1024×768			
7	Total Throughput	640Mbps			
8	Video Display Split	1 st Screen : 1/4/8/9/16/25/36 2 nd Screen: 1/4/8/9/16			
9	Multi-Brand Support	Should Support Multi-brand IP cameras			
10	OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording			
11	Compression	Smart H.265+ / H.265 / Smart H.264+ / H.264 / MJPEG			
12	Recording Resolution	12Mp, 8Mp, 6Mp, 5Mp, 3Mp, 1080P, 1.3Mp, 720P & etc.			
13	User Interface	GUI			
14	Motion Detection	MD Zones: 396(22×18)			
15	Video Loss	Supports			
16	Camera Blank	Supports			
17	Alarm In	16 Ch			
	Alarm Out	6 Ch NO/NC Programmable			
18	Sync Playback	1/4/9/16			
19	Smart Phone	It should support remote monitoring over iPhone, iPad, Android and Windows Phone including desktop/PC			
20	Search Mode	Time/Date, Alarm, MD & Exact search (accurate to second), Smart search			
21	Backup Mode	USB Device/eSATA Device/Network			
22	Hard Disk	8 SATA III ports with 8TB each			
24	Network Ethernet	2 RJ-45 ports (10/100/1000Mbps)			
25	USB	4 USB ports : 2 USB3.0, 2 USB2.0			
26	Network Function and Protocols	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, IP Search, ONVIF 2.4, CGI Conformant			
27	RAID	RAID 0/1/5/6/10			

Sr.	Specification	Details	Complied	If No, mention
No.			Yes/No	Specifications
28	Additional Interfaces	RS232: 1 port, For PC & Keyboard		
		RS485 : 1 port, For PTZ control		
		eSATA port : 1 port		
29	Max. User Access	Should support mini 120 users		
30	Power Supply	AC 100V~240V, 50/60 Hz		
31	Power Consumption	< 30W (without HDD)		
32	Working Environment	-10°C~+55°C / 10%~90%RH		
34	Open Protocol	Should support ONVIF Profile S or higher		
33	Certification	FCC ,CE, ISO, RoHS Compliant		

	8 TB Surveillance Hard Disk Drive (HDD)				
	Make				
	Model				
Sr. No.	Specification	Details	Complied Yes/No	If No, mention Specifications	
1	Hard Disk	Surveillance Hard Disk 8 TB SATA (Serial ATA) for recording with ImagePerfect™ firmware and ATA streaming support			

	24 Port POE Layer 2 Switch				
	Make				
	Model				
Sr.	Sr. Complied If No, mention		If No, mention		
No.	No. Specification Yes/No Specifications			Specifications	
1	24x10/100 PoE + 2x10/1	00/1000BASE-T + 2 SFP COMBO, CE, FCC			

	16 Port POE Layer 2 Switch				
	Make				
	Model				
Sr.	Specification	Complied	If No, mention		
No.	Specification	Yes/No	Specifications		
1	16x10/100 PoE + 2x10/100/1000BASE-T + 2 SFP COMBO, CE, FCC				

	Cat 6 Cable				
	Make				
	Model				
Sr.	Specification		Complied	If No, mention	
No.	Specification		Yes/No	Specifications	
1	Category 6 / Class E 4 Pa	air 23 AWG U/UTP cable or better.			

		1KVA Online UPS		
	Make			
	Model			
Sr. No.	Specification	Details	Complied Yes/No	If No, mention Specifications
1	Capacity	Suitable as per requirement for minimum 30 Minutes backup for proposed setup.		
2	Battery Backup	30 Minutes (Minimum)		
3	General			
a)	Inverter Technology	Pulse Width Modulation (PWM) using IGBTs with inbuilt Galvanic Isolation, double conversion		
b)	Total Harmonic	< 3% for 100% linear load		
	Distortion (THD) Voltage	< 5% for 100% non-linear load		
c)	Noise level	Less than 55 db		
d)	Operating Temp.	0º- 50º C		
e)	Crest Factor	Not less than 3:1 on full non-linear load		
f)	Humidity	Up to 80% non-condensing		
g)	Output Wave Form	Pure Sine wave		
h)	Cold Start facility	Required		
4	Input			
a) Voltage Range		AC Single Phase, 160 V AC to 270 V AC		
b)	Frequency Range	50 ± 6% Hz		
c)	Input Power Factor	0.9 or better at full output load leading to Unity with power factor correction (PFC)		
5	Output			
a)	Voltage	220/230/240V AC ± 1%, Single Phase		
b)	Regulation	Less than ± 1% in the following conditions		
		1. No load to full load/Full load to no load		
		2. 0.6 lag to Unity PF		
		3. During Entire Backup time.		
		4. Complete Input Voltage Range		
c)	Frequency	50 Hz ± 0.5 %		
6	Efficiency			
a)	Overall Efficiency	80 % or better on rated full load of 0.8 PF & 230V, 50Hz AC output		
b)	Inverter Efficiency	90% or better on rated full load of 0.8 PF & 230V, 50Hz AC output		
7	Overload Capacity	110% for 2 min. & 125% overload for 30sec.		

Specification	Details	Complied Yes/No	If No, mention Specifications
Load Power Factor	0.8 lagging		
Protection	Required for : Over Voltage, short circuit and overload at UPS Over Temperature Input low/ high voltage control DC low/high voltage trip		
Battery Bank Details			
Battery Type	Sealed Maintenance Free Lithium with Rack & Connectors and any other details please specify		
Battery Make	Panasonic / Global Yuasa / Exide / Okaya /Amar Raja/ Hi power Luminous.		
Battery recharge time (after complete discharge to 100% charge) & charge rating	Battery recharge time should not exceed 8 hours and charger should be capable to charge battery on C10 rating.		
Battery Capacity			
Capacity of UPS	Battery Bank for Back-up Time		
Backup	30 minutes		
UPS & Batteries Housing	Powder coated UPS & battery cabinet with caster wheel should of minimum 1mm thick good quality material and should be free from sharp edge, scratches, nicks, & burs etc. Enclosure should conform to all protection requirements.		
Indications	Mains on, Load on Battery, Inverter on /off		
Audible Alarm	Main failure, Battery low, Overload		
Switches	Inverter push button with reset.		
	Load Power Factor Protection Battery Bank Details Battery Type Battery Make Battery recharge time (after complete discharge to 100% charge) & charge rating Battery Capacity Capacity of UPS Backup UPS & Batteries Housing Indications Audible Alarm	Description Load Power Factor Protection Required for: Over Voltage, short circuit and overload at UPS Over Temperature Input low/ high voltage control DC low/high voltage trip Battery Bank Details Battery Type Sealed Maintenance Free Lithium with Rack & Connectors and any other details please specify Battery Make Panasonic / Global Yuasa / Exide / Okaya /Amar Raja/ Hi power Luminous. Battery recharge time (after complete discharge to 100% charge) & charge rating Battery Capacity Capacity of UPS Backup Jominutes Powder coated UPS & battery cabinet with caster wheel should of minimum 1mm thick good quality material and should be free from sharp edge, scratches, nicks, & burs etc. Enclosure should conform to all protection requirements. Indications Mains on, Load on Battery, Inverter on /off Audible Alarm Main failure, Battery low, Overload	Details Yes/No

AMC on Full Setup after completion of 1 Year Warranty period					
	1	Comprehensive Annual Maintenance Charges (from 2 nd Year)			

Technical Bid Form Bidder's Particulars

Sr. No	Particulars		Details		
1	Name of the Bidder Firm				
2	Address of the Bidder Firm				
	Telephone No. / Fax No.				
	E-Mail Address:				
3	Name and Designation of Authorized Signatory				
4	Name & address of the officer to whom all references shall be made regarding this tender				
	Telephone / Fax / Mobile				
5	Type of Firm (Proprietorship/ Partnership/Company)				
6	Details of Earnest Money Deposit of Rs 50,000/-	DD NoDated Drawn on (Bank)			
	Registration Details (Attach relev	vant documents):		
	Document Type	Registration	n No. & Date	Atta Yes	ched No
7	a) Company Registration No.			105	NO
	b) PAN Number				
	c) GSTIN				
8	Quality Certification Details				
	Annual Turn-over for the last three Financial years (Bidder)	Income (In INR)	Expenditure (In INR)		lover INR)
9	a) F.Y. 2015-16*				
	b) F.Y. 2016-17*				
	c) F.Y. 2017-18*				

^{*} Attach Balance Sheet, P&L A/c, ITR and Certificate from CA for all FYs.

Sr.	Particulars	D					
No	raiticulais	Yes	1	νo			
	Whether Valid Authorization is attached from Principal Manufacturer/OEM specific to this case in the name of "National Board of Examinations"?						
11	Has the bidder completed atleast three work orders amounting to Rupees 10 Lakhs each, for supply and installation of CCTV during the last two years?						
	Whether self-attested documents (work orders/completion certificates) in support of above, is enclosed?						
	Whether supporting documents enclosed in support of criteria in respect of OEM/Principal Manufacturer?						
12	Whether Data Sheet/ Brochure enclosed of proposed Models of equipment?						
	Work Experience: (Attach certificates / Supporting Docum	ents)					
	Name & Address of the Organization	Contract Ouration	Documents Enclosed				
	Contract	uranon	Yes	No			
13							

		Signature with Seal	of Bidder
		Name of the Bidder:	
		Company Name :	
		(With Full Address):	
Date	:	_	
Place	:	_	

Financial Bid Form

(To be placed in a separate Sealed Envelope Marked as 'Financial Bid')

To:

The Honorary Executive Director, National Board of Examinations Medical Enclave, Ansari Nagar New Delhi 110029

Sub:	<u>Financial</u>	Bid	- Te	<u>nder f</u>	or S	upply,	Installat	ion,	Testing	and
	Commission	oning o	of IP Ba	sed CC1	'V Su	rveilland	e System			
							-	•		
Bidde	r Name									
Bidde	r Address									
	I/We on b	ehalf o	of M/s					submit	the Fina	ancial
Bid fo	or Supply,	Instal	lation,	Testing	g and	Comm	issioning	of IP	Based (CCTV
Surve	illance Sys	stem a	s per t	he Scop	e of w	ork give	en in this	tender	docume	nt in

Surveillance System as per the Scope of work given in this tender document in accordance with the terms and conditions and shall be bound by the stipulation made by me in the bid.

Sr. Description Brand Rate Installation (Per Unit/Meter)

No. (As per Specification) & Model Number (Per Unit/Meter) (Per Unit/Meter)

1 4 MP IP IR Dome Camera

Sr. No.	Description (As per Specification)	Brand & Model Number	Rate (Per Unit/Meter)	Installation (Per Unit/Meter)	Total Cost
11	15U RACK (555 x 500 x750) Wall Mount Rack, with front Tinted Glass for NVR				
12	Wall Mount Metallic IP 55 Rack				
13	Extended Surveillance Box				
14	1 KVA UPS with 30 Minute Backup				
15	AMC of CCTV Surveil (Complete Setup) per	 ·	•	es	

Note:

- 1. The rate should not be provided as a percentage figure but in absolute Indian Rupees.
- 2. The rate quoted must be reasonable and valid for the entire period of contract from the date of opening of financial bid.
- 3. The rates to be furnished strictly as per the above format. No modification is allowed in the format.
- 4. The bidder is to submit the Product Catalogue/Datasheet of the suggested model of each Product along with the Technical Bid.
- 5. Quoted rates should be excluding GST, the same will be payable as per prevailing rates, as per norms.

(Signature with Seal of Bidder)				
NAME (In Block Letters)	:			
Company Name	:			
(With Full Address)	:			

Date:

DECLARATION

(On Company Letter Head)

(Date)
tallation, Testing, ance System, I/ We
eligible for corrupt & riod of time by any
corrupt & fraudulent s Body on the date of
If this declaration is a that may be taken, the extent accepted lated and we may be beriod of 2 years and as per clause of the
)

To: The Honorary Executive Director, National Board of Examinations Medical Enclave, Ansari Nagar New Delhi 110029 Ref: **Tender for CCTV Surveillance System** Dear Sir, In response to the Tender for Supply, Ins Commissioning and Maintenance of IP based CCTV Surveill hereby declare that presently our Company/ firm ___ is having an unblemished record and has not been declared in fraudulent practices either indefinitely or for a particular pe State/ Central Government/ PSU/Autonomous Body. We further declare that presently, our Company/ firm has not been Blacklisted or Debarred for reasons other than of practices by any State / Central Government / PSU / Autonomous Bid Submission. 3. This declaration is made to the best of our knowledge. found to be incorrect then without prejudice to any other action our security deposit may be forfeited in full and the bid, if any to may be cancelled at any stage and the contract may be termin barred from bidding in future against any other tender for a p shall also be liable to pay compensation, and difference of price tender document and the contract. Yours faithfully, (Signature with Seal of Bidder) Name of the Bidder: Company Name **:**_____

Date : _____ Place : _____ (With Full Address):

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DECLARATION

I,Son / Daughter / Wife of Shri
Proprietor/Director, authorized signatory of the firm M/s
2. I have carefully read and understood all the terms and conditions of the tender and undertake to abide by them;
3. The information / documents furnished along with the above application are true and authentic to the best of my knowledge and belief. I / we, am/ are well aware of the fact that furnishing of any false information/ fabricated document would lead to rejection of my tender at any stage besides liabilities towards prosecution under appropriate law.
SIGNATURE WITH SEAL OF BIDDER
Name of the Bidder:
Company Name :
(With Full Address):
Date :
Place :