

**TENDER FOR NEW INSTALLATION OF NVR BASED CCTV SYSTEM
IN 44 + 3 BRANCHES UNDER INDIAN BANK NAGPUR ZONE**



INDIAN BANK

Zonal Office Nagpur
Palm Road, Civil Lines,
Nagpur – 440001, Maharashtra
Email: zonagpur@indianbank.co.in

INVITATION OF TENDER

**TENDER FOR NEW INSTALLATION OF NVR BASED CCTV SYSTEM
IN 44 + 3 BRANCHES UNDER INDIAN BANK NAGPUR ZONE**

Tender Documents Availability : **23.09.2022**
Last Date of Tender Submission : **4.00 PM, 17.10.2022**
Date of Technical Bid Opening : **4.00PM,18.10.2022**

EMD: by way of a demand draft for Rs. 5,000/- (Rupees Five Thousand only) favoring

Indian Bank,Nagpur and payable at **Nagpur**

Seal & Signature of Vendor

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SCHEDULE OF EVENTS

Tender Bid Document Availability	Bidding document can be downloaded from website www.indianbank.in from 23.09.2022
Pre-bid Query	Upto 07.10.2022, by Email only: zonagpur@indianbank.co.in
Last date and time of submission of Bids	4.00 PM, 17.10.2022
Opening of Technical Bids	4.00 PM, 18.10.2022 Bidders may depute authorized representatives during the opening of Technical Bids. However Technical Bids would be opened even in the absence of any or all of the Bidders representatives.
Address for communication and submission of bid	Indian Bank, Zonal Office, Palm Road, Civil Lines, Nagpur-440001, Maharashtra
All correspondence relating to this Tender should be sent to email id	zonagpur@indianbank.co.in
Cost of the Tender Bid document	Free of Cost
Earnest Money Deposit	Rs. 5,000/- (Rupees Five Thousand only) by way of a demand draft favoring Indian Bank and payable at Nagpur

IMPORTANT DEFINITIONS

TERMS	DEFINITIONS
Bank	Indian Bank
ZO	Indian Bank, Zonal Office, Palm Road, Civil Lines, Nagpur-440001, Maharashtra
Branch	Indian Bank branch
Vendor	Participating Company/ Firm/ Manufacturer/ Authorized dealer
OEM	Original Equipment Manufacturer
Tender	Tender, Bid documents
Bidder	A Firm/Company/OEM/Authorized dealer participating in TENDER
NA	Not Applicable

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NOTICE INVITING TENDER

TENDER FOR NEW INSTALLATION OF NVR BASED CCTV SYSTEM IN 44 + 3 BRANCHES
UNDER INDIAN BANK NAGPUR ZONE

INTRODUCTION

1. Indian Bank, Zonal Office Nagpur, invites sealed quotations in two bid system for new installation of NVR based CCTV system in 44+3 branches under Indian Bank – Nagpur Zone from reputed Firms/Manufacturers/Authorized dealers, under ZO jurisdiction comprising of various districts in Maharashtra. The first bid shall be technical bid and the sealed envelope of Technical Bid shall contain the details of OEM, Acceptance of terms and conditions, and other eligibility conditions, etc. The second bid shall be financial bid and the sealed envelope of Financial Bid shall contain the price information of the product and services in prescribed format as per the annexure.
2. List of 44 branches (with district) is enclosed in Annexure-V of this tender document.
3. Financial bids shall invariably be submitted in sealed envelope. Any financial bid found open for any reason shall make the bidder ineligible for participation.

ELIGIBILITY CRITERIA

4. The eligibility criteria are given below and only those agencies that fulfill the following criteria are eligible to bid.
 - a) The prospective bidder should be a registered company/ firm including manufacturers or their authorized dealers, capable of providing NVR based CCTV for New installation, and should be in business for at least 3 years.
 - b) The OEM/ its authorized dealers must have his own registered office with adequate technical manpower and material, so as to facilitate technical support during the warranty period. Proof for the same to be submitted like Lease Agreement/ Registration Certificate under Shops and Establishment Act. The Bank may inspect the facilities of the Manufacturer/ Firm/ Company/ Dealer/ Vendor to verify the genuineness and to ensure the conformity with the details given. (Details to be provided in format Annexure II).
 - c) There is no minimum limit to annual turnover. (Relevant copies of Balance Sheets and IT return to be submitted).
 - d) The prospective applicant/bidder must have supplied to at least one PSUs / Banks (Public/Private)/NBFCs/Government Departments. Performance report/ completion certificate for same to be enclosed.
 - e) The bidders should have valid PAN, GST registration number etc., allotted by competent authorities and to provide latest GST Returns filed.
 - f) The prospective applicant/bidder should have requisite

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trade/manufacturing/factory license from appropriate authority(BIS).

g) The Company/ Firms/ Authorized dealer which participates in the Tender process shall only be eligible. All existing empanelled vendors have to apply afresh. Telephonic/ email intimation to prospective applicants for participating in TENDER will not be initiated, even to the existing vendors.

NATURE AND SCOPE OF WORK

5. New installation of CCTV system, in 44 branches of Indian Bank, Nagpur Zone. Concerned Vendor will have to enter into an agreement (as per the format decided by the bank) with the Zone and shall start the work with 7 days, from the date of issuance of the work order. The work order for new installation of 3 additional CCTV system, shall be placed by the Zone as per requirement basis.

a) Please note that the invitation of tender is for new installation of CCTV system, are subject to requirement of Bank. Bank has discretion to revise the scope of work upward/downward as per its requirement.

b) It is to bring to the notice of prospective Applicants that they will be required to supply and replace newly installed components at their own cost during warranty period and the warranty period of each component has to be specified in the tender document.

c) The Vendor will maintain the data sheet of CCTV of each branch, such as manufacturing date, date of installation, warranty valid up to, quarterly preventive maintenance carried out on, etc. A copy of the Branch wise data sheet of CCTV system, to be provided to the Zonal Office as well as to the concerned Branch/office.

d) The Vendor must ensure quarterly preventive maintenance visit during the warranty period. Preventive maintenance activities to be carried out and recorded.

e) The vendor will follow the norms and procedures laid down for installation, repair and maintenance of CCTV system.

f) During the warranty period the vendor will carry defective components to his own workshop for repair only after taking written prior approval of the Branch Manager.

g) The detail specification for new installation will be decided by the Zonal Office.

h) The vendor will impart training to staff members about operating procedure, system testing & tuning, playback, data retrieve etc., immediately after system installation

APPLICATION FORM

6. The application form to be filled and submitted as per Annexure I (Cover Letter) and Annexure II (Bidder Profile). The tender notice should be signed by authorized signatory on each page with official seal and enclosed along with the Application Documents.

7. The selection of Bidders for supply and new installation of CCTV system, shall be done in two bid formats under.

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a) **PHASE I - TECHNICAL BID:**

Technical bid shall be submitted in a separate sealed envelope. It should be super scribed in bold **"Technical Bid for New Installation of NVR based CCTV System in 44 + 3 branches under Indian Bank Nagpur Zone"**

- i) Technical bid shall contain Annexure I (Application), Annexure II (Bidder profile) and Annexure III (Testimonials).
- ii) The Applications of the bidders will be valid for 120 days from the date of opening of the same.
- iii) The selection/ short listing of the applications so received will be done by carrying out evaluation and checking of various parameters/ criteria fixed by the bank.
- iv) The technical bids shall be opened at **4.00 PM on 18.10.2022**, or on any suitable date as decided by the bank's committee for the purpose. If any change in the date, the same will be published in this website/intimated through email.
- v) An undertaking that firm is capable of undertaking installation of NVR based CCTV system in rural and far away areas where majority of Bank's branches are located (To be enclosed with Technical Bids).

b) **PHASE II - FINANCIAL BID**

- i) Financial bid shall be submitted in a separate sealed envelope. It should be super scribed in bold **"Financial Bid for New Installation of NVR based CCTV System in 44 + 3 branches under Indian Bank Nagpur Zone"**.
- ii) Financial bids of only technically qualified short listed bidders will be opened. Bank's evaluation of the financial bids will take into account the status of compliance of terms and conditions.
- iii) The Financial Bid should contain all relevant rates and charges (Service Charge / Installation Charge), taxes and the rates should be quoted in Indian Rupees only. GST component must be explained (inclusive/exclusive) clearly. In case of any ambiguity during comparing quoted prices arises because of GST, Bank may take a call to disqualify such bids.

- c) Interested Bidders may arrange to submit their application duly complete in all respects in a sealed envelope cover superscripted **"TENDER FOR NEW INSTALLATION OF NVR BASED CCTV SYSTEM IN 44 + 3 BRANCHES UNDER INDIAN BANK NAGPUR ZONE"** and this envelope should contain two separate envelopes superscripted as details below:

Sealed Envelope 1: Technical Bid

Sealed Envelope 2: Financial Bid

And, it should reach on or before **4.00 PM on 17.10.2022**, at the following address:

The Zonal Manager,
Indian Bank, Zonal Office
Palm Road, Civil Lines
Nagpur-440001, Maharashtra

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PERFORMANCE AND PRODUCT CERTIFICATION:

8. The Bidders should have the following product certification and other criteria:-
- a) **Product Certification:** The products of the Bidder must have certification of quality given by the Bureau of Indian Standard (BIS) and acceptable to Bank. The products should be based on latest technology for the specific requirement.
 - b) **OEM Certificate:** The Bidder should have OEM certificate along with confirmation that they would supply spare parts for the quoted components for a period of 5 years from the date of installation.
 - i) OEM should be ISO 9001 certified.
 - ii) Documents of Manufacturing license/ Registration of the OEM factory need to be submitted for verification.
 - iii) Product Certification copies to be attached as per the BIS specifications.
 - v) The firm should produce authorization from OEM for its offered makes in original.
 - vi) Multiple brand Techno-commercial bids from single bidder will be rejected.
 - vii) Serial number & IS certificate of products to be provided by the OEM.
 - viii) Audit for Banks, whether actual material is provided or not, needs to be done by OEM as and when required by Bank without any additional cost.
 - c) **Past Record:** The Bidder or their entities should not have been blacklisted by any PSU/PSB/Government Organization in past 3 years and undertaking in this regard to be submitted.
 - i) Bidders A/c should not be classified as NPA by any bank. A self- declaration in this regards to be submitted by bidder along with Bid Documents.

PAYMENT TERMS

9. No advance payment shall be made against purchase order
- i) Payments shall be made after delivery & installation of new CCTV System. The payment shall be made against delivery challans and invoices and commissioning report duly signed by the Branch Manager.
 - ii) The vendor empanelled, may opt to have a Bank Account with Indian Bank for operational convenience.
 - iii) All other terms and conditions are spelt out in the 'Terms and Conditions' attached to this tender.

TERMS & CONDITIONS OF CONTRACT

10. Indian Bank's Right to Accept/ Reject any/or all Application:
- i) Indian Bank reserves the right to accept/ reject any or all application and to annul the tender process and accept/ reject all applications at any time prior to TENDER process or any time after TENDER process, without thereby incurring any liability to the affected Bidders or any obligation to inform the affected Bidders of the grounds for Indian Bank action.
 - ii) Indian Bank can at any time issue clarifications, addendums or corrigendum. The same will be published in the Bank's website. The Bidders are advised to regularly visit the

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Bank's website.

CONDITIONS FOR APPLICATION REJECTION/ CANCELLATION:

11. Bidder's application for the tender process may be rejected / cancelled on any of the following grounds:

- i) Any effort by Bidder/applicant to influence Indian Bank's decisions on evaluation and registration process may result in rejection of application or cancellation of registration.
- ii) Conditional applications will not be considered and will be rejected summarily.
- iii) Submission of false/fake Application Documents or if the information provided by the Bidder is found to be incorrect/misleading at any stage / time during the rate contract process or thereafter.
- iii) Applications received by Indian Bank after the last date and time prescribed for receipt of application or applications without signature of person(s) duly authorized on required pages of the application or applications without power of authorization and any other document consisting of adequate proof of the ability of the signatory to bind the Bidder shall be rejected.
- iv) Malpractice / attempt to influence / Manipulation of rates at Zonal level by itself or by cartelization shall be viewed very seriously. If such a situation comes to the notice and/or there are reasons/ circumstances for Indian Bank to believe so, the concerned Bidder will be called in to give justification of rates quoted by them to the Zonal Office. If they are not able to give a proper/ satisfactory justification of their quoted rates, enlistments are liable to be cancelled.
- v) If the Bidders are found, subsequent to their registration, not complying with, any of the eligibility criteria.
- vi) If the performance and services of the bidder have been found poor or sub-standard.
- vii) If it is found that false/amplified/manipulated bill(s) raised by vendor.
- vii) Any other grounds as decided by Indian Bank Management after due diligence.

MONITORING OF PERFORMANCE AND OTHER CONDITIONS:

12. The Bidder's performance on the job will be constantly monitored for quality, adherence to the Safety Regulations, Labour / Statutory regulations, Conduct / Discipline etc, while executing jobs. Any

deviations from stated conditions can lead to appropriate deterrent action as deemed fit by Indian Bank.

- i) Indian Bank reserves the exclusive right and absolute discretion to call for tenders for any job or otherwise as deemed fit from open market, even during the validity of the rate contract period.
- ii) Indian Bank gives no guarantee of any future award of work or inclusion on a particular tender list.

EMD AMOUNT:

13. Rs. 5,000/- (Rupees Five Thousand only) by way of a demand draft favoring **Indian Bank, Zonal Office, Nagpur** and payable at **Nagpur**.

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JURISDICTION AND GOVERNING LAW:

14. All disputes or differences whatsoever arising between the parties out of or in relation to the construction/ meaning and operation or effect of this tender document or breach thereof shall be settled amicably. If, however, the parties are not able to solve it amicably the same shall be settled by arbitration in accordance with the Arbitration and Conciliation Act 1996 (with latest amendments) and the award made in pursuance thereof shall be binding on the parties. The Arbitrator/Arbitrators shall give a reasoned award. Any appeal will be subject to exclusive jurisdiction of courts at **Nagpur** only.

LIQUIDATED DAMAGES:

15. Any delay in completion of the work over the stipulated period will attract penalty of 0.5% of the contract value (site Basis) per week subject to maximum of 10% of the contract value. The Bank reserves its right to recover this amount by any mode, which includes adjusting from any payment to be made by the Bank to the Vendor.

BANK'S DISCRETION:

- 16) Bank reserves the right to reject an offer under any of the following circumstances:
- i) Incomplete offer and/or all documents not attached.
 - ii) Offer is not in conformity with the terms and conditions stipulated in this document.
 - iii) Specifications stipulated in TENDER are not met with.
 - iv) If Financial Bid and Technical Bid are not submitted in sealed envelopes separately.
 - v) Financial Bid format differs from actual Financial Bid format of Annexure IV.
 - vi) Violates any terms and conditions in the TENDER document.
 - vii) If found that the information provided in the offer is false.

EVALUATION CRITERIA

17. Technical Bids:
- i) The Technical Bid should be complete in all respects and contain all information asked for in this document. It should not contain any price information.
 - ii) The Technical Bid must be submitted in an organized, numbered and structured manner (spiral binding will be appreciated). No brochures/leaflets should be submitted in loose form.
 - iii) Technical bid should contain all testimonials as mentioned in previous section of this TENDER document.
 - iv) Bank will evaluate the technical bid considering the technical and functional parameters of bidder and evaluation matrix decided by bank.
18. Financial Bids:

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- i) Financial bids of only technically qualified short listed bidders will be opened. Bank's evaluation of the financial bids will take into account the status of compliance of terms and conditions. The financial Bid should contain all relevant rates and charges (Service charge / installation Charge) and the rates should be quoted in Indian Rupees only.
- ii) Cost economics of the tender will be decided on the Basis of Total Cost of Equipment/cost of components having low MTBF/ services as enumerated in Annexure-IV.
- iii) Rates of components will be arrived individually based on financial bids received and the contract will be awarded accordingly.

PATENTS RIGHTS

19. The Vendor shall indemnify the purchaser against all third party claims on infringement of patent, trademark or industrial design rights arising from use of the Goods, or any part thereof in India.

- i) The vendor shall, at their own expense, defend and indemnify the Bank against all third party claims of infringement of intellectual Property Right, including Patent, trademark, copyright, trade secret or any part thereof in India or abroad.
- ii) The Vendor shall expeditiously extinguish any such claims and shall have full rights to defend it there from. If the Bank is required to pay compensation to a third party resulting from such infringement, the Vendor shall be fully responsible for, including all expenses and court and legal fees.
- iii) The Bank will give notice to the Vendor of any such claim without delay, provide reasonable assistance to the Vendor in disposing of the claim, and shall at no time admit to any liability for or express any Intent to settle the claim.
- iv) The Vendor shall grant to the Bank a fully paid-up, irrevocable, non-exclusive license throughout the territory of India or abroad to access, replicate and use software (and other software items) if any, provided by the Vendor, including all inventions, designs and marks embodied therein in perpetuity.

TERMINATION FOR INSOLVENCY

20. The Bank may at any time terminate the Contract by giving written notice to the Bidder, if the Bidder becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Bidder.

LIABILITY

21. Bidder's aggregate liability under the contract shall apply to third party claims for bodily injury/ electric shock (including death) and damage to real property (due to malfunction of equipment) and tangible personal property caused by bidder's gross negligence/ lapse or due to below standard equipment used by Bidder.

- i) The Bidder shall be liable for any indirect, consequential, or special damages due to malfunction of the security equipment under the agreement / purchase order.

WARRANTY

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22. The offer must include on-site warranty of at least one year or as offered by the OEM but not less than one year from the date of installation and replacement of components however there should not be any additional cost for the warranty period.

ii) Vendor shall be fully responsible for the manufacturer's warranty in respect of proper design, quality and workmanship of all equipment, accessories, etc., covered by the offer.

iii) The Vendor must warrant all equipment, accessories, spare parts etc, against any manufacturing defects during the warranty period.

iv) During the warranty period the Vendor shall maintain the equipment and repair / replace all the defective components at the installed site at no additional charge of whatsoever nature, to the Bank.

DELIVERABLES & TIMELINES

23. The Vendor should ensure that during the warranty period, the defects reported in the CCTV System, or its components, software, etc. supplied to the Bank on any working day is set right within one day. The defect will be reported by the office/branch directly to vendor, may be in the form of oral, telephone, notice, email, or any other mean of communication. The vendor shall generate a complaint number for tracking the complaint status. In case, the system or any equipment cannot be repaired within the stipulated period, the Vendor should provide a replacement till the system/ equipment is returned duly repaired.

SPECIFICATION

24. The detailed technical description is enumerated below. The specifications given are as per minimum requirement. Vendors can quote equivalent or higher technical specifications to meet the Bank's requirements. However, no weightage would be given for higher configurations. All components should be BIS certified.

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TECHNICAL SPECIFICATIONS

Nte:

- (i) Firms should state "Yes" if the equipment offered by them conform to the required specifications, or else they should state "No". The selected firms who qualifies the evaluation process will be required to demonstrate these specifications at a later stage.
- (ii) Bidswillberejectedifthefirmfailstofulfilltheminimumtechnicalrequirementsasgivenbelow.
- (iii) If technical specification given anywhere in this document contradicts the under mentioned specification then higher specification whichever is, willprevail.
- (iv) Technical Specification Undertaking placed at "APPENDIX A" to be filled up by allfirms.
- (v) The firm must give a full demonstration at Zonal office, Nagpur at their own cost. In caseof system provided during demonstration is of higher specification than the prescribed specification of the Bank, the higher specification will be finalized in the samerate.

CCTVSYSTEM

1. NVR BASED CLOSE CIRCUIT TELEVISIONSYSTEM

(A) NVR4/8CHANNELNETWORKVIDEORECORDER

System Parameter	Technical Specifications	Compliance Status (Yes/No)
Main Processor	Quad-core embedded processor	
Operating System	Embedded LINUX	
Display		
Interface	2 HDMI (1 HDMI up to 3840x2160, Different Source), 1 VGA	
Resolution	3840x2160, 1920x1080, 1280x1024,1280x720, 1024x768	
Multi-screen	1 st screen: 4/8 CH: 1/4/8 2 nd screen: 1/4/8	
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording	
Video Detection and Alarm		
Trigger Events	Recording, PTZ, Tour, Alarm Out, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips	
Video Detection	Motion Detection, MD Zones: 396 (22 x 18), Video Loss and Tampering, Scene Change Detection	
Alarm input	16 Channel (Low Level Effective)	
Alarm Output	4 Channel (NO/NC Programmable)	
Playback and Backup		
Sync Playback	1/4/8	
Search Mode	Time /Date, Alarm, MD and ExactSearch (accurate to second)	

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Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom	
Backup Mode	USB Device/Network/Internal SATA burner / eSATA Device	
Storage		
Internal SHDD	2 / 4 SATA Ports, with minimum 6 TB capacity for each SHDD	
eSATA	1 e SATA port	
RAID	RAID 0, RAID 1, RAID 5	
Auxiliary Interface		
USB	Minimum 2 ports (Minimum 2 USB 3.0)	
RS232	1 Port, for PC Communication	
RS485	1 Port, for PTZ Control , keyboard	
Audio and Video		
IP Camera Input	8/16 Channel	
Two-way Talk	1 Channel Input, 1 Channel Output	
Recording		
Compression	H.265+ /H.265/H.264/MJPEG/MPEG4	
Resolution	12MP /8MP / 5MP / 4MP /3MP / 1080P / D1 &etc.	
Record Rate	320Mbps Incoming	
Bit Rate	16kbps-20Mbps for per channel	
Record Mode	Manual, Schedule(Regular(Continuous), MD, Alarm), Stop	
Record Interval	1-120 min (default: 60 min), Pre-record: 1-30 sec, Post- record: 10-300 sec	
Network		
Interface	1 RJ-45 ports (10/100/1000Mbps)	
Network Function	TCP/IP, DHCP, Cloud P2P, DNS, DONS, NTP, SADP, SMTP, NFS, FTP UpnPM , HTTPS	
Interoperability	ONVIF, PSIA, CGI Conformant	
Certifications	UL/FCC/CE and BIS approved	

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B. 02MEGAPIXELIPBASEDHDIRDOMECAMERAWITHFIXEDLENS

Parameter	Technical Specifications	Compliance Status (Yes/No)
Image Sensor	1 /2.8" 2 Megapixel progressive scan CMOS or better	
Effective Pixels	1920(H)x1080(V)) or better	
Electronic Shutter	Auto/Manual, 1 /3(4)-1 /100000s	
Video Frame Rate	25/30 fps @ 2 Mega Pixel	
Scanning System	Progressive	
Min. Illumination	0.01Lux/F1 .4(Color); 0Lux/F1 .4(1R on)	
S/N Ratio	More than 50dB	
Min. IR Array LEDs Length	More than 50dB	
Day/Night	Auto(ICR) / Color I B/W	
Back Light Compensation & WDR	DWDR	
White Balance	Auto/ Manual	
Focal Length (Lens)	3. 6 mm Fixed lens	
Video Compression	H.265+ ,H.265,H.264,H.264H, MJPEG	
Resolution Frame Rate	2 M(1920x 1080)/01 (704x 576/704x 480)/CIF(352x288/352x 240) Main stream: {2 M/1080P(1 - 25/30fps)} 6: Sub stream: 01 /CIF(1 - 25/30fps)	
Bit Rate	H.265/H.264H: 40K - 8192Kbps; MJPEG: 40K-16384Kbps	
Network Ethernet	RJ-45 (10/100Base-T)	
Protocol	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DONS, RTP, RTSP, RTCP, NTP, UpnP, SMTP, IGMP, 802.1x, QoS, Ipv6	
Compatibility	ONVIF, PSIA, CGI	
Power Supply	DC12V, PoE (802.3af)	
Working Environment	-30° C-+60° C Less than 95%RH (no condensation)	
Ingress Protection	IP66 or above	
Certification	UL/FCC/CE and BIS approved	

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C. 02MEGAPIXELIPBASEDHDIRVERIFOCALLENSBULLETCAMERA

Parameter	Technical Specifications	Compliance Status (Yes/No)
Image Sensor	1/2.8" progressive scan CMOS	
Min. Illumination	Color: 0.01@F1 .4, 0 Lux with IR	
Shutter Speed	Auto/Manual, 1 /3(4)-1 /100000s	
Lens	2.8 mm to 12 mm motorize @F1 .4,	
Day/Night	IR cut filter with auto switch	
DNR (Digital Noise Reduction)	30 DNR	
WDR (Wide Dynamic Range)	120 dB True WDR	

Compression Standard		
Video Compression	Main stream: H.265.H.265+	
Video Bit Rate	32 Kbps to 8 Mbps	
Dual Stream	Support	
Image		
Max. Resolution	1920 X 1080	
Main Stream Max.	50Hz: 25fps @(1920 x 1080, 1280 x 960, 1280 x 720)	
Sub-stream	50Hz: 25fps @(704 x 576, 640 x 480, 352 x 288, 320x 240)	
Image Settings	Brightness, saturation, contrast, sharpness are adjustable via web browser or clientsoftware.	
Image Settings	Support auto, scheduled	
Others	Mirror, BLC (area configurable), region of interest (support 1 fixed region)	
Detections	Motion detection	
Alarms	Videotampering, networkdisconnected, IP address conflicted, HDD full, HODerror.	
Protocols Standard	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DONS, RTP, RTSP, RTCP, NTP, UpnP, SMTP, IGMP, 802.1X, QoS, Ipv6, ONVIF (PROFILE S, PROFILE G),PSIA, CGI, ISAPI	
General Function	One-key rest, anti-flicker, password protection, privacy mask, watermark, IP address filter	
Interface		
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port	
Reset	Support	
General		
Operating Conditions	-30 ° C to 60° C, humidity: 95% or less (non-condensing)	
Power Supply	DC12V ± 25%, PoE (802.3af)	
Ingress Protection	IP 67	
IR array Range	Up to 30 Mtrs	
Certification	UL/FCC/CE and BIS approved	

Seal & Signature of Vendor

**TENDER FOR NEW INSTALLATION OF NVR BASED CCTV SYSTEM
IN 44 + 3 BRANCHES UNDER INDIAN BANK NAGPUR ZONE**

D. POE+SWITCH04CHANNELSPECIFICATION

Interface	4 x 10/100 Mbps PoE ports, UPLINK PORT 2 x 10/100/1000	
Port Standards 8: Functions	Ports 1 to 4 compliant with 802.3af	

E. POE+SWITCH08CHANNELSPECIFICATION

Interface	8 x 10/100 Mbps PoE ports, UPLINK PORT 2 x 10/100/1000	
Port Standards 8: Functions	Ports 1 to 4 compliant with 802: 3af Ports 5 to 8 compliant with 802. 3af	

F. OTHER COMPONENTS OFCCTV

Parameter	Technical Specifications	Compliance Status (Yes/No)
SN. Hard Disk Drive (SATA II or III)	Video Enterprise Series (Rated for24/7 operation).	
Capacity	2TB, 4TB, 6TB ,8TB	
Monitor		
Screen size	17/21" diagonal LED	
Resolution (Min)	Minimum 1920 x 1080 Pixels - full HD	
Data Cable CAT-6		
Category	CAT-6E	
Type	Unarmored	
PVC Conduits for cabling should be ISI marked		
6 U Rack - (Wall Mount)	Power Strip: 6 Socket power supply: 1 No. Equipment Mounting Tray: 1 No Mounting screws & studs: 1 pack Transparent front door with Lock and 2 Fans. Provision for cable routing at thebottom of Rack.	

2. STANDALONEVANDALRESISTANTCAMERAWITHINBUILTBACKUPCAPACITY

Technical Specifications	Status (Yes/No)
Image Sensor	1/2.8" Progressive Scan CMOS
Minimum Illumination	Color: 0.01 Lux @(F1.2, AGC ON), 0.028 Lux (F2.0, AGC ON); B/W: 0.001 Lux @(F1.2, AGC ON), 0.0028 Lux@(F2.0, AGC ON), 0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Auto-Iris	No
Day and Night	IR Cut Filter
Digital Noise Reduction	3D DNR
Wide Dynamic Range	120 dB
3-Axis Adjustment	Pan: 0° to 355°, tilt: 0° to 70°, rotate: 0° to 355°

Seal & Signature of Vendor

**TENDER FOR NEW INSTALLATION OF NVR BASED CCTV SYSTEM
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IR Range	Up to 40 m	
Wavelength	850nm	
Video Compression	Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264	
Video Bit Rate	32 Kbps to 8 Mbps	
Audio Compression (-S)	G.711/G.722.1/G.726/MP2L2/PCM	
Audio Bit Rate (-S)	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32- 192Kbps(MP2L2)	

Image		
Maximum Resolution	1920 × 1080	
Image Enhancement	BLC/3D DNR/HLC	
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser	
On-board Storage	Built-in micro SD/micro SDHC/micro SDXC slot, up to 128 GB	
Target Cropping	No	
Day / Night Switch	Day/Night/Auto/Schedule/Triggered by alarm in (-S)	
Network Storage	Support built-in micro SD/micro SDHC/micro SDXC card(128 GB), local storage and NAS (NFS, SMB/ CIFS), ANR	
Alarm Trigger	Motion detection, video tampering, network disconnected, IP address conflict, illegal login, HDD full, HDD error	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP™, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour	
General Function	One-key reset, anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter	
Firmware Version	V5.5.3	
On-board Storage	Built-in micro SD/micro SDHC/micro SDXC slot, up to 64 GB/ 128 GB	
Reset Button	Yes	
Frequency Range	2.4 GHz to 2.4835 GHz	
Channel Bandwidth	20/40MHz	
Wireless Range	50 m	
Env. Noise Filtering	Yes	
Protection Level	IP 67,IK10	
Certificates	CE,FCC,UL,	

Seal & Signature of Vendor

**TENDER FOR NEW INSTALLATION OF NVR BASED CCTV SYSTEM
IN 44 + 3 BRANCHES UNDER INDIAN BANK NAGPUR ZONE**

APPENDIX 'A'

Technical Specification Undertaking

We certify that the systems/services offered by us for tender confirms to the specifications stipulated by you with the following deviations.

List of deviations with reasons. (Deviations will be accepted only if the offered specification is higher than requirement)

- 1) _____
- 2) _____
- 3) _____
- 4) _____

Place.
Date.

Signature of Authorised Signatory
Name & Designation & Seal of the Company

(If left blank it will be construed that there is no deviation from the specifications given above) (Letter to the bank on the Supplier's letterhead)

Seal & Signature of Vendor

**TENDER FOR NEW INSTALLATION OF NVR BASED CCTV SYSTEM
IN 44 + 3 BRANCHES UNDER INDIAN BANK NAGPUR ZONE**

DISPUTE MANAGEMENT

25. The provisions of this tender shall always be subject to Government Notifications, any rules/ guidelines that may be in force from time to time.

- i) All disputes or differences whatsoever arising between the parties out of or in relation to the construction, meaning and operation or effect of these Tender Documents or breach thereof shall be settled amicably. However, if the parties are not able to solve it amicably, the same shall be settled by arbitration in accordance with the provisions of "Arbitration and Conciliation Act 1996" or any statutory modifications or re-enactments thereof and the rules made there under and for the time being in force, shall apply to the arbitration proceedings.
- ii) The arbitrator shall be appointed with the mutual consent of both the parties. However there is a provision of appeal if either party is not satisfied with the arbitration award.
- iii) During the arbitration proceedings the Bidder shall continue to work under the Contract unless otherwise directed in writing by the Bank or unless the matter is such that the work cannot possibly be continued until the decision of the arbitrator is obtained.

NUISANCE

26. The Bidder shall not at any time cause or permit anyone to cause any nuisance on the site or do anything which shall cause unnecessary disturbance or inconvenience to the Bank, Owners, Tenants or occupants of other properties near the site and to the customers/ public generally.

NO COMMITMENT TO ACCEPT LOWEST OR ANY TENDER

27. There are no obligations to accept the lowest or any other offer received in response to this notice and Bank is entitled to reject any or all offers without assigning any reasons whatsoever. The Bank will have right to opt for any new technology option for the Bank's usage.

FORCE MAJEURE

28. Notwithstanding the provisions of TCC (Terms and Conditions of Contract), the Bidder shall not be liable for forfeiture of its performance security, liquidated damages, or termination for default if and to the extent that the delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

a. For purposes of this clause, "Force Majeure" means an event beyond the control of the Bidder and not involving the Bidder's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Bank in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

b. If a Force Majeure situation arises, the Bidder shall promptly notify the Bank in writing of such condition and the cause thereof. Unless otherwise directed by the Bank in writing, the Bidder shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

EXECUTION OF SERVICE LEVEL AGREEMENT

29. On completion of the Bid Process, the successful bidder(s) should execute a Service Level Agreement. Bidder(s) should also execute a Non-Disclosure Agreement in the Bank's prescribed format. The agreement/ contract would be signed in Nagpur only and stamped as

Seal & Signature of Vendor

**TENDER FOR NEW INSTALLATION OF NVR BASED CCTV SYSTEM
IN 44 + 3 BRANCHES UNDER INDIAN BANK NAGPUR ZONE**

per applicable Stamp Act. All the stamp duty shall be borne by the Bidder.

RESTRICTION OF FURTHER CONTRACTS

30. The Bidder shall not assign, in whole or in part, its obligations to perform under the Contract, except with the Bank's prior written consent. Consortium and joint venture responses are not allowed, in any case. Also, bidders have to note that no sub-contracting/ sub-letting is allowed.

AMENDMENTS TO CONTRACT

31. No variation in or modification of the terms of the Contract shall be made, except by written amendment, signed by the parties.

CONFIDENTIALITY OF CONTRACT DOCUMENTS & INFORMATION

32. The Bidder shall not, without the Bank's prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample or information furnished by or on behalf of the bank in connection therewith, to any person other than a person employed by the Bidder in the execution of the Contract.

- a. Disclosure to any such employed person shall be made as confidential and shall extend only as far as may be necessary for purposes of such performance.
- b. The Bidder shall not, without the Bank's prior written consent, make use of any document or information except for purposes of performing the Contract.
- c. Any document, other than the Contract itself, shall remain the property of the Bank and shall be returned (in all copies) to the Bank on completion of the Bidder's performance under the Contract, if so required by the Bank.
- d. Bidder to submit Audited Balance Sheets & FRs within 6 months of close of financial year of the successful Bidder, failing which Bank will withhold payments. Bank will scrutinize the FRs and may decide to continue the contract or terminate.

PUBLICITY

33. Any publicity by the bidder in which the name of Indian Bank is to be used should be done only with the explicit written permission of Indian Bank.

AUTHORIZED SIGNATORY

34. All pages of this TENDER document and corrigenda must be stamped and initialed by the authorized signatory of the bidder confirming acceptance to all terms and conditions of this TENDER and should be submitted as part of the technical bid.

- a. After completion of selection process the Bank will finalize tender process with the selected Bidder. To ensure this both the parties shall also be liable to make authorized officials to be present for discussions.
- b. The Bidder shall submit a Board resolution in case of a company and/or authorization letter duly signed by the authorized signatory naming the official(s) who shall be authorized to hold discussions, time and venue of which shall be intimated to the successful bidder in writing at least 3 calendar days in advance.

****READ THE TENDER DOCUMENTS CAREFULLY BEFORE SUBMISSION****

Seal & Signature of Vendor

**TENDER FOR NEW INSTALLATION OF NVR BASED CCTV SYSTEM
IN 44 + 3 BRANCHES UNDER INDIAN BANK NAGPUR ZONE**

Annexure-I

**APPLICATION FOR PARTICIPATION IN
TENDER FOR NEW INSTALLATION OF NVR BASED CCTV SYSTEM
IN 44 + 3 BRANCHES UNDER INDIAN BANK NAGPUR ZONE
(TO BE TYPED ON THE BIDDER'S PRINTED LETTER HEAD)**

The Zonal Manager,
IndianBank
ZonalOffice
Palm Road, Civil Lines, Nagpur-440001, Maharashtra

Dear Sir,

**SUBJECT: APPLICATION FOR PARTICIPATION IN TENDER FOR NEW INSTALLATION OF NVR BASED
CCTV SYSTEM IN 44 + 3 BRANCHES UNDER INDIAN BANK NAGPUR ZONE**

1. This has reference to the captioned subject, I/We have carefully perused and understood the criteria mentioned in the Tender Notice released on the website of the Bank.
2. Accordingly, I/We now submit the application form duly completed in all respects, together with certified copies of the following documents as required by you for participation in Tender.
3. I/We confirm that all information given herein is true to the best of my/our knowledge. I/We also understand and confirm that if any of the information given is found to be incorrect either fully or partially or any false/fake document is submitted at any stage, you may reject the application summarily and also take any legal action as per law.
4. It is also confirmed that, I/We hereby agree with all the terms and conditions laid down in the application/empowerment documents.

Yours faithfully,

(Proprietor / Bidder's Signature, Name with Seal)

Encl: Documents:-

Seal & Signature of Vendor

**TENDER FOR NEW INSTALLATION OF NVR BASED CCTV SYSTEM
IN 44 + 3 BRANCHES UNDER INDIAN BANK NAGPUR ZONE**

Annexure-II

BIDDER PROFILE/ TECHNICAL BID

(TO BE TYPED ON THE BIDDER'S PRINTED LETTER HEAD)

SI No	Subject	Details
1.	Name of the Manufacturer/ Firm/ Company/ Dealer/ Vendor	
2.	Year of Establishment	
3.	Constitution of the Firm (whether Proprietary/ Partnership/ LLP/Pvt. Ltd./Public Ltd.)	
4.	Address of Head Office (in India), including i) Emailid ii) Landline and Mobile Number(s)	
5.	Name of the Proprietor/Chairman/ Managing Director/CEO/ Country Head(as the case may be)	
6.	Name(s) and Address of Office at Nagpur i) Emailid ii) Landline and Mobile Number(s) (Please attach Lease Agreement/ Registration Certificate under Shops and Establishment Act)	
7.	Date of opening of company's Office at Nagpur	
8.	Whether registered with the Registrar of Companies/Registrar of Firms inIndia. If so, mention number and date and enclose Registration Certificate copy.	
9.	Whether an assessee of Income Tax. If so, mention Permanent Account Number and Taxpayer Identification Number. Furnish copies of Income tax clearance certificate	
10.	Whether registered for GST purposes. If so, mention number and date. Alsofurnish copies of GST certificate.	
11.	Copies of IT Returns last 03 years and GST Return of last one year	
12.	Is the Company/Firm a manufacturer of the Fire Alarm System, Burglar Alarm System, Integrated Alarm System and CCTV System equipment/ accessories/components, etc required by the Bank? If Yes, name of the equipment/ accessories/components, etc andplacewhere manufacturing unitislocated.(Allmanufacturedproducts should be BIS certified)	
13.	Is the vendor having URC (Udayam registration Certificate).If Yes, submitthe relevant certificate.	
14.	Have you been prequalified by PSUs / Banks (Public/Private)/NBFCs/ Government Departments etc. for New installation of CCTV? If Yes, furnish their names, categoryanddate of empanelment. (Enclose empanelment letter)	

Seal & Signature of Vendor

**TENDER FOR NEW INSTALLATION OF NVR BASED CCTV SYSTEM
IN 44 + 3 BRANCHES UNDER INDIAN BANK NAGPUR ZONE**

15.	Do you have presently running contract with PSUs/ Banks (Public/Private)/NBFCs/ Government Department, etc. for New Installation of CCTV? If yes, enclose Performance report/ certificate of running contract.	
16.	Details of Technicians positioned in districts in Maharashtra	
17.	Details of EMD Enclosed	
18.	Details of relative(s) employed in Indian Bank and erstwhile Allahabad Bank, if any. Name: Relation: Branch/Office: Branch/Office last served (if retired): Contact Details:	

Declaration

1. I / We have read and understood the tender documents and I / We understand that if any false information is detected at a later date, any contract made between ourselves and Indian Bank on the Basis of the information given by me / us can be treated as invalid by the Bank and I/ We will be solely responsible for the consequences. I / We agree that the decision of Indian Bank in selection of bidders/contractors will be final and binding to me /us.
2. I / We agree that I / We have no objection if enquiries are made about the work listed by me / us here in above and/or in the accompanying sheets.
3. All the information furnished by me/us above here is correct to the best of my/our knowledge and belief.
4. I/We the authorized signatory of the firm undertake to state that our Firm has proper infrastructure and resources and is capable of undertaking New installation, repair and maintenance of Fire Alarm System, Burglar Alarm System and CCTV (including maintenance of existing Fire Alarm System, Burglar Alarm System, Integrated Alarm System and CCTV System) installed in all the branches/offices of Indian Bank including all rural areas. We further undertake to state that we would be supplying all spare parts of quoted modules for a minimum period of 03 years from the date of Installation.

Place:
Date:
Seal of the Company

Signature
Name:
Designation:
(Authorized Signatory)

Seal & Signature of Vendor

**TENDER FOR NEW INSTALLATION OF NVR BASED CCTV SYSTEM
IN 44 + 3 BRANCHES UNDER INDIAN BANK NAGPUR ZONE**

Annexure-III

LIST OF ENCLOSURES

(TO BE ATTACHED WITH TECHNICAL BIDS)

SI No	Subject	Enclosed (Yes/No)
1.	Certificate of Registration of company/dealership	
2.	Certificate of registration with Income Tax, GST, EPF,ESI, VAT, TAN/TIN etc	
3.	Details of company owned registered office at Nagpur with names of employees, address, Tel no., etc	
4.	IT Returns and GST Return	
5.	Empanelled with govt./public sector/banks	
6.	Presently running contract work order with govt./public sector/banks	
7.	STQC/ERTL/ETDC/ISO/BIS/DEALER certificate	
8.	Customer Reference (other than Indian Bank)	
9.	Documentation: - product, brochures, leaflets, manuals, warranty conditions etc.	
10.	Certificate that Authorized dealer/Firm/OEM or its Sister Agency have not been blacklisted	
11.	Document(s) in support of any other information	
12.	Bank Details (Account with Indian Bank)	
13.	EMD	

- Note:- 1. In absence of any of the information/enclosures or/ and Fake, Wrong, Fictitious, Fallacious, etc reporting, the tender is likely to be rejected
2. The Vendor shall produce/provide original of any documents, required by the Bank for Verifications.

Seal & Signature of Vendor

**RATE CONTRACT FOR NEW INSTALLATION, REPAIR AND MAINTENANCE
OF FIRE ALARM SYSTEM, BURGLAR ALARM SYSTEM AND CCTV
(INCLUDING MAINTENANCE OF EXISTING FIRE ALARM, BURGLAR ALARM, INTEGRATED ALARM AND
CCTV SYSTEMS)**

Annexure-IV

RICE BID FOR NVR BASED CCTV SYSTEM AND COMPREHENSIVE AMC

(All rates to be quoted without GST)

	Name of the Firm		
	Specify Brand and Model		
1.	<u>Network recorder (NVR)</u> 4/8 ChannelNVRwith2/4 SATAslotswitheachslotsupporting minimum 6 TB Hard Disk . For IP cameras of 2 MP resolution minimum of 12 TB of Hard disk is recommended for adequate back up of 180 days. The NVR should support Power Over Ethernet (POE) for reduced cabling. Should support 2 way audio. Should support third party cameras. Should support recording from Minimum 4 MP IP cameras or more and conform to all other specifications mentionedabove	Four Channel NVR Rs. Eight ChannelNVR Rs.	
2.	<u>Hard disk – Surveillance Grade</u> 6 TB x 1 Disks (Seagate / WD or equivalent)		Rs.
3	<u>IP camera – HD IR Verifocal Lens Bullet Camera 2 MP – To be set to15 Frames Per Second (FPS)</u> 2MP :: 1/2.8" Progressive CMOS, ICR, 0lux with IR, 1920x1080:25fps(P)/30fps(N), H.265+/H.265/H.264/MJPEG, DC12V & PoE, 3D DNR, BLC, IR range: up to 50m, Support on-boardcard slot -S: Audio/Alarm IO connectors & Conform to all other specifications mentioned above		Rs.
4	<u>IP camera –HD IR Fixed Lens Dome Camera 2 MP – To be set to 15Frames Per Second (FPS)</u> 2MP :: 1/2.8" Progressive CMOS, ICR, 0lux with IR, Effective Pixels:1920x1080: with video frame rate 25fps(P)/30fps(N), H.265+/H.265/H.264/MJPEG, DC12V & PoE, 3D DNR, BLC, IR range:up to 50m, Support on-board card slot -S: Audio/Alarm IO connectors and conform to all other specifications mentionedabove		Rs.
5.	One Standalone Vandal Resistant Camera (2 MP) with 256 GB Memory Card (Image sensor:1/2.8" progressive scan CMOS), (Min illumination:0 lux with IR, Colour- 0.01 lux @ F 1.2 AGC ON, 0.028 Lux F 2.0 AGC ON), (Max resolution:1920x1080) & all other specifications as mentioned above		Rs.

Seal & Signature of Vendor

**RATE CONTRACT FOR NEW INSTALLATION, REPAIR AND MAINTENANCE
OF FIRE ALARM SYSTEM, BURGLAR ALARM SYSTEM AND CCTV
(INCLUDING MAINTENANCE OF EXISTING FIRE ALARM, BURGLAR ALARM, INTEGRATED ALARM AND
CCTV SYSTEMS)**

6.	Network Switch for NVR and Cameras Unmanaged Poe, 8 100M Poe, 1 100M uplink port, 250m Transmission, 6KV Surge Protection, 58W	Rs.
7.	Network Cable Cat 6 (T P link) Cabling BIS certified (Rate per meter)	Rs.
8.	16"/17"/21" Monitor (Make: LG/ Samsung or equivalent) Minimum Resolution: 1920x 1080 pixels full HD	Rs.
9.	Wireless Mouse	Rs.
10.	Compatible 6U Rack (Wall mount) Power strip 6 socket power supply & conform to all other specifications mentioned above	Rs
11	Installation & Delivery charges	Rs.
12	Package Cost (by adding SL. 1 to SL.11)	

Package Cost in Words (From SI 1 toSI11) : _____

Warranty period for New NVR CCTV System.	Months
--	--------

Place.
Date.

Signature of Authorised Signatory
Name & Designation & Seal of the Company

Seal & Signature of Vendor

**RATE CONTRACT FOR NEW INSTALLATION, REPAIR AND MAINTENANCE
OF FIRE ALARM SYSTEM, BURGLAR ALARM SYSTEM AND CCTV
(INCLUDING MAINTENANCE OF EXISTING FIRE ALARM, BURGLAR ALARM, INTEGRATED ALARM AND
CCTV SYSTEMS)**

Other Terms & Conditions for NVR Based CCTV Systems

- a) Minimum warranty for all products is 1year.
- b) Warranty for Surveillance HDD should be minimum 2years.
- c) Cost should be inclusive of delivery, installation and commissioning. Additional charges will not be applicable.
- d) 04 quarterly visits towards preventive maintenance should be carried out during the warranty period of 1year.
- e) Vendor should be capable for giving Annual Maintenance Contract (Comprehensive or Non Comprehensive) for at least 03 years post completion of warranty. However, awarding of AMC is fully under the discretion ofBank.
- f) EMD for an amount of **Rs. 5,000/-** in the form of Demand Draft in favour of Indian Bank Zonal Office, Nagpur payable at Nagpur should be enclosed along with the sealed quotation.

Place.

Date.

Signature of Authorised Signatory

Name & Designation & Seal of the Company

Seal & Signature of Vendor