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UCO BANK

Honours Your Trust

ZOAGT/GAD/SEC/2026-27/ 196

Dated 14.08.2026

Invitation of Bids for AMC and Installation of CCTV Systems installed at various branches under Agartala zone

We have 50 branches, a Currency Chest and Zonal Office under Agartala zone. These branches are spread over 03 States of North East India namely Tripura, Manipur & Mizoram. Tripura has 32 branches, 01 Currency Chest and Zonal Office, Manipur has 15 branches and Mizoram has 03 branches. Each of our branches & offices has been provided with CCTV system for security & safety of Bank's assets. These CCTVs need to be maintained for their 24x7 functioning which included repair/ replacement of faulty parts, up gradation of obsolete equipments, installation of new equipments on need basis.

CCTV System: - Our branches & Zonal office have Standalone DVR based analogue / digital CCTV system of 8/16 Channels, standalone IP camera. CCTV systems are provided with various types of dome/bullets cameras with IR feature, fixed or varifocal lens.

A. Scope of work:-

The scope of work for maintenance and installation of security equipments is as follows.

CCTV system: - Maintenance of the available CCTV systems under (AMC), repair/ replacement of faulty parts. Replacement of old & obsolete DVR / Cameras with new one on need basis. Re-installation of equipments in case of shifting/ furnishing of branch premises and installation of new system in newly opened branch. Installation of new 4 Channel SDVR based CCTV system in branches having safe deposit locker cabinets. Vendor is supposed to attend all complaints within 48 Hours of receiving the complaint from branch/office

B. Period of Engagement

Vendor(s) will be engaged for a period of 3 years from the date of engagement and it would be reviewed on annual basis on the basis of performance of selected vendor. Bank can extend the period of engagement beyond initial three years on year-to-year basis. Bank can terminate the engagement at any point of time without assigning any reason.

C. Eligibility criteria for bidders:-

Only those Companies/firms/ agencies that fulfil the eligibility criteria as mentioned in **Annexure-I** of this advertisement will be considered.

D. Availability of Tender documents & tender fee:-

Tender documents are available on Bank's website www.uco.bank.com & at our Zonal Office till last date of submission of bids i.e. 1500 Hrs on 28/08/2026. Bidder required to deposit the non-refundable Tender fee amounting Rs. 1000/- (one thousand only) in the form of DD in favour of UCO Bank Zonal Office, Agartala, payable at Agartala



E. Submission of bids:-

Applications are to be submitted to the undersigned in a sealed envelope super scribing as "**Bids for Supply Installation and maintenance of CCTV System**" with bidders contact details (address, email & phone no.). Bids should be submitted at our below mentioned address on or before 1600 hrs of 28 August, 2026.

F. Opening of Bid(s):-

Sealed bid would be opened at our Zonal Office; date for opening of bid will be conveyed after receipt of tender(s), through email & telephone of the bidders as shown on the outer envelope of bid. Bank is not liable for non receipt of information of opening of bids in case if email ID / telephone no. is not mentioned on outermost envelop, undelivered email, inability to contact bidders through telephone. Bank reserves the right to reject any/all bids without assigning any reason thereto. Bidders can witness the tender opening process through their authorised representative on schedule date & time, it is not mandatory for bidder to present at the time of opening of bids. We are not bound to hold the process of opening of tender due to absence of representative of any or all of the bidders at the time of opening of bids. Bids received after scheduled date & time would not be considered for opening & evaluation, sealed bid(s) along with tender fee (if deposited) would be returned to sender's address shown on outer envelope.

G. Evaluation of Bids:-

1. Sealed bids received on or before last date would be evaluated on the basis of eligibility criteria as per Annexure-I & checklist Appendix-II.
2. Documentary proofs in respect of each eligibility criteria would be evaluated, confirmation of local address, executed work/ performance would be ascertained by Bank. Only after that the bid would be considered for the next stage of empanelment for the field/ security item(s) in which it fulfils the eligibility conditions.

H. Rejection of bids:-

Bank can reject the bids in following cases:-

1. Late receipt bids, received in open envelope, received through email.
2. Bids not having proper documentary proofs establishing eligibility of bidder.
3. Bids not provided with requisite tender fee.
4. Copies of work order/ contract submitted in proof of experience are not supported by performance certificate from client.
5. Work/ services of the bidder found unsatisfactory on confirmation from their client.
6. Confirmation of local address (in the state of Kerala) not ascertained.
7. Product offered not meets the required specification as evaluated during demonstration.
8. Bank can reject any or all of the bids without mentioning any reason.

I. Payment of AMC

AMC Payment will be paid by General Administration Department/Security Department of Zonal Office Agartala. During AMC period vendor will visit branches 3 times in a year after every 4 months during this visit vendor will prepare a report on given format and will carry out dusting and other maintenance of equipment. 30% payment will be released to the vendor on submission of first report, 30% on second report and 40% after submission of final report at the end of year. For Release of payment vendor will need to submit Invoice along with Visit report duly signed by respective Branch Head with Branch Seal, An excel sheet of branch wise deficiencies found in branches during technician visit.



K. Termination of contract or work:-

The Bank reserve its right to terminate the maintenance and supply contract at any time after giving due notice of one month without assigning any reason. The contractor will not be entitled to claim any compensation against such termination. However, while terminating the contract, if any payment is due to the contractor for maintenance/ work already performed to the satisfaction in terms of the contract, these would be paid to him as per the contract terms.

L. The Bidder's Indemnity and Assurance:-

The Bidder should comply with all legal requirements and obtain such licenses, approvals and consents, if any prescribed/required under any law/ rules/regulations, and keep them valid.

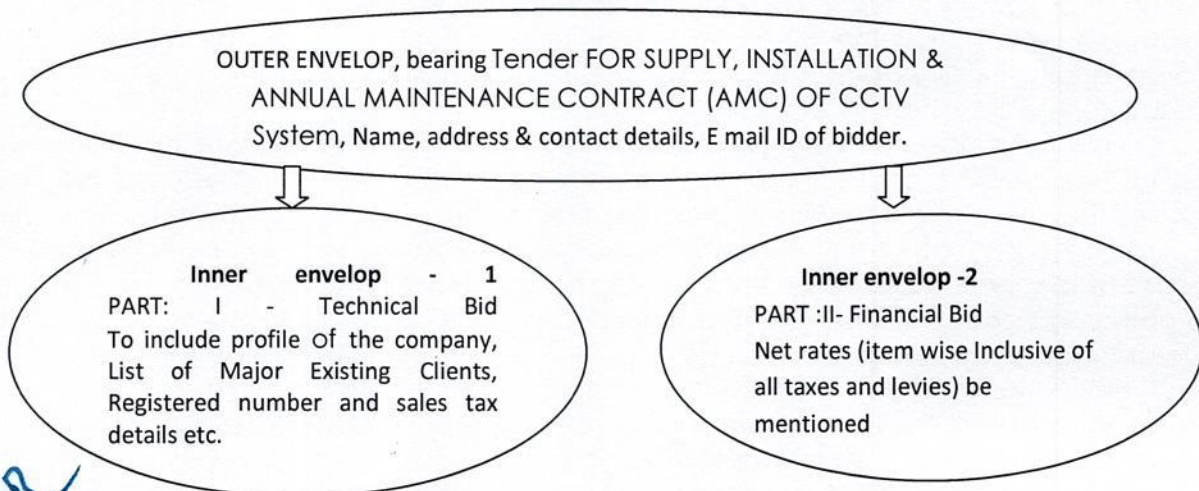
The Bank will not be liable to pay any remuneration or compensation to the Bidder or any of the personnel (including its owner(s), director(s), partner(s), employee(s) and any representative(s) engaged by the Bidder. The Bidder to indemnify against all losses, liability or obligation arising out of its conduct or that of any of the personnel including its owner(s), director(s), partner(s), employee(s) and representative(s) in connection with the work to be offered to selected vendor.

M. Other Terms & conditions:-

1. For any queries, bidder may contact us on working days between 10 A.M. to 5 P.M. @ **9454539399**.
2. Bank is not responsible for any typographically mistake in the tender documents, late receipt bid or damage of bid in transit.
3. Any dispute arising in this matter will be settled in the jurisdiction of Agartala, Tripura.
4. L1 bidder will be decided on the basis of total cost of system/ total payment to be made by the bank and not on cost of individual items.
5. Material supplied and spares used must confirm to the specification of UCO Bank. No other material will be used.

Applications are to be sent to the UCO Bank, Zonal Office, Security / General Administration Department, 2nd Floor, Central Road, Kaman Chowmuhani, Agartala, (Tripura)- 799001 in two separate sealed covers by 1600 Hrs on or before 28/08/2026.

Packaging of tender documents



Zonal Manager
UCO Bank, Zonal Office,
Central Road, Kaman Chowmuhani
Agartala, Tripura-799001



PART-1- TECHNICAL BID

ANNEXURE- I

ELIGIBILITY CRITERIA FOR SUPPLY, INSTALLATION & MAINTENANCE CCTV SYASTEM.

- A. Experience in execution of required work & performance certification by client(s).** Reputed Bidder should have experience in executing the similar work for which engagement is sought at the Public sector banks/ RBI/ Govt. organizations/PSU in last 3 years as on 30th June 2026.
- One similar completed or active contract of AMC & installation of CCTV in not less than 25 branches/ locations in last 3 years as on 30th June 2026.
 - Documentary proofs for the above like Annual maintenance contract(s)/ work order(s) and performance certificate(s) of the each allotted work/ contract issued by respective client Public sector banks/ RBI/ Govt organizations/PSU .
- B. Certification of performance by client(s) Public sector banks/ RBI/ Govt. organizations/PSU.**
- Each work order/ contract submitted as warranted above must be supported by performance certificate(s). Performance certificate should be on letter head of the clients, signed by the officials dealing in procurement/ maintenance of physical security equipments (preferably security officer).
 - Bank can confirm the genuineness of the performance certificate issued by client at its own sources. In case the authenticity of performance certificate or work order/ contract found uncertain, the tender of the bidder would be rejected.
 - Performance certificate issued by client would be taken as the proof of the nature of work done, no. of branches/ offices/ sites covered & period of contract, quality of equipments installed, and level of after sale services & relationship with the client as far as terms of contract is concerned.
 - Provide list of client and their contact details to ascertain the genuineness of quality of services bidder have rendered. In case Work/ services of bidder found unsatisfactory in any of the work/ contract, their bids would be treated ineligible.
- C. Certification by Original Equipment Manufacturer (OEM).**
- Bidder should be the authorized equipment manufacturer/ assembler or have authorization from OEM for consistent supply/ servicing of spare / equipments for next 5 years.
 - In case bidder is the Original Equipment Manufacturer (OEM), bidder has to provide certificate about manufacturing of product, genuineness of the products and after sale services & supply of accessories.
 - In case bidder is not the OEM, the bidder will have to essentially mention the name of the Original equipment manufacturer (OEM) whose product is to be supplied and the country of origin of the product along with technical specifications. Bidder will also to have certificate in respect of country of origin of products. Product offered should be manufactured in India. Bidder has to submit a certificate from the original equipment manufacturer (OEM) that they are the authorized agents for the sale and service of their product and manufacturer undertakes to support the after sales service of the product. Bidder should provide manufacturer authorization form (MAF) duly signed by the OEM in the name of bidder (Appendix- II).
 - All new installed products will stand for onsite comprehensive warranty against all defects in warranty period. During the warranty period the Bidder shall have to provide quarterly preventive service and shall have to attend to all breakdown calls within 24 hours and 48 hours for remote area branches.
 - Bidder have ability to provide security equipments of similar or higher technical specifications fixed by bank. The products offered should have prescribed local content as required for MII.



OEM Criteria

1. Made in India products are preferred - BIS & UL mandatory.
2. OEM should have a registered office in India and local service centre in India.
3. Product quoted should be UL, CE, FCC, BIS, STQC (CCTV) & Make in India should be class-1 certified and product wise certificate to be provided by OEM and FIPS certified Cyber essential and GDPR document to be provided.
4. Organization needs to be ISO 9001/27001/14001/45001 certified for environment and cyber security reasons.
5. OEM needs to have local service team with local branch and service centre so that bank can call anytime OEM for audit - OEM service centre details required.
6. Product quoted for camera, recorder, Cable, monitor should be of same Make for seamless integration and also should be able to integrate existing hardware with the bank.
7. OEM to provide local audit support anytime in region without any additional cost.

D. Registration, Establishment & Service network:-

1. As the major part of work is for 24X7 maintenance of the existing security systems in our branches so, Bidder should have local office/ registered office/ services center/ service engineer at Agartala/Imphal/Guwahati. Hence provide proof of local address, which is subjected to confirmation through our sources.
2. Ability to commence services within 15 days from the date of placement of order and complete within a month from placement of order.
3. Ability to undertake the work of all branches under this zone.
4. Bidder should provide the latest Income Tax Assessment Order and PAN Number.
5. Bidder should have GST registration.

E. GENERAL TERMS AND CONDITIONS

1. Vendor should be a reputed vendor specialized in providing security gadgets to nationalized Banks.
2. Ability to undertake all Security gadgets related installation and AMC related work for all branches throughout the zones.
3. Have ability to provide hassle free services.
4. Ability to commence services within 10 days from date of placement of order.
5. Ability to execute orders within 30 days of placement of order. No extension in the time will be given at Any cost. If vendor fails to execute the given order in given time then bank reserves the right to allot the work to any other vendor. In addition to this penalty amounting to Rs 500/- per day of delay per branch will be recovered from the bill payable to him.
6. Vendor should not have been blacklisted/ debarred for any reason by any nationalised bank.
7. Vendor should have good track record of completing the work within allotted time.
8. Vendor should have local office in Agartala/Manipur/Guwahati.
9. Vendor should have a credible supervisory infrastructure and network for installation and maintenance of security gadgets as also for follow up with law enforcement agencies.
10. Vendor should provide the latest Income Tax assessment order and PAN number.
11. Vendor should have a Certificate of Registration with Registrar of companies or Registrar of firms or have letter of Proprietorship.
12. Vendor should provide the latest audited balance Sheet.
13. Vendor should be registered with shop and Establishment act and provide latest certificate for ESI Corporation.
14. Vendor should be registered under appropriate authority for GST.
15. Bank reserves the right to cancel the tender at any stage at any time without assigning any reason whatsoever.



16. Technical specifications (attached herewith) of the product are as per Head office approval and can be confirmed from Security Department Zonal Office Agartala and vendor will submit certificate declaring that all spares will be in conformity to specification of banks.
17. **Part-I** Technical Bids to include profile of the company, List of Major Existing Clients, Registered number and sales tax details
18. **Pari-II** Net rates (Inclusive of all taxes and levies) item wise be mentioned
- Part -II will be opened only if bank is satisfied with part-I. Bank reserve the rights to reject any/ all the bids without assigning any reason thereto.
 - Other terms & Condition are given at the annexure-I of this advertisement.
 - Bids to contain non-refundable BD/BC of Rs. 1000/- only.
 - EMD amount will be deposited for per tender of Rs. 3000/- through cheque /DD on the name of Zonal Manager, UCO Bank, Zonal Office, Agartala (with attached to technical bid).
 - Performance bank guarantee (BG) shall be deposited @ 5% of total cost of work order by the successful bidder.
 - Bank has reserved the right to cancel or postpone the tender at any point of time without any prior information.

19. Last date of Submission of Tender 28.08.2026 till 16.00 PM.

Documentary proofs duly signed by authorized signatory of bidder establishing above required eligibility should be provided with bid. For assistance bidders are advised to go through the checklist (Appendix- III) for submission of documents in compliance of eligibility. Bid submitted without proper documentary proofs establishing their eligibility is treated as ineligible.



CHECKLIST FOR BIDDERS FOR SUBMITTING ELIGIBILITY BID IN COMPLIANCE OF TERMS OF ANNEXURE-I

SN	Documentary proofs establishing eligibility of bidder	Provided (Yes/No)
1	Proof of local address at Agartala.	
2	List of clients with contact details.	
3	Certification from OEM	
4	Authorisation from OEM for consistent supply of spare/services.	
5	Copies of last three year ITR.	
6	Copy of PAN	
7	Copies of Audited account balance Sheet of preceding 3 years.	
8	Copies of last three years account statement/ GST returns.	
9	Copy of GST registration.	
10	Proof of payment of Tender fee/ DD	
11	Copies of similar contracts/ work orders of AMC & installation of Alarm/ CCTV/ Fire extinguishers along with performance certificate from issuing organisation in not less than 25 branches/ locations in last 3 years.	
12	Satisfaction letter from previous clients	
13	Affidavit declaring that the vendor has not been blacklisted/ debarred by any Nationalized Bank.	
14	Certificate declaring that all spares and equipment supplied will be in conformity to banks specifications	
15	Any other document bidder likes to submit to prove its eligibility	

(Authorized Signatory)

M/s



4 CH ATM recorder

This product shall be manufactured by a firm whose quality system is in compliance with the ISO-9001

Products quoted should be of international reputé & from any of Top global OEM as per latest IHS report.

All systems and components must be in compliance with FCC/CE/UL/RoHS requirements.

The Offered Cameras, Recorder, VMS, Analytic shall be from the same OEM to ensure seamless integration & better support. However keeping in mind the future scalability, the offered VMS & Cameras should be ONVIFS compliant.

4CH ATM recorder (with inbuilt Screen)

Specifications			Compliance Yes/No
1	Operating system	Embedded RTOS / Linux / Windows	
2	-	-	
3	Analog / HD Camera Input	4 Channel recorder	
4	Video surveillance Hard disk	Surveillance Grade recorder HDD	
5	HDD Slots	2 SATA (upto 20 TB per slot)	
6	Video Input	4 Ch (Only for ATMs)	
7	Display speed	100 fps for 4 channel (Only for ATMs) (25 fps for each channel)	
8	Compression method	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264	
9	Display split screen (Screen mode)	1,4 for 4 channel	
10	Encoding Resolution	4 MP lite@15 fps; 1080p lite/720p lite/VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N)	
11	Audio Input	1-ch, RCA (2.0 Vp-p, 1 K Ω)	
12	Audio Output	1-ch, RCA (Linear, 1 K Ω)	
13	Synchronous Playback	4 Ch	
14	IP Camera Input	2 Channel IP Camera in addition to HD channels; up to 6ch at the expense of HD channels	
15	Independent Recording setting Per channel	Continuous, motion detection sensor activated, flexible day /time daily Schedule.	
16	Monitoring	4 channel real time Monitoring. Single mode & 2x2 Mode Sequential switching mode Switching out monitoring	
17	Searching / Playback	Date & Time based 1 channel searching and all channel simultaneous searching Replay up to 25 fps in each channel	
18	Video Intelligence	Should support Motion detection, Intrusion Detection	
19	Smart ATM Features	1-ch human face mode and 1-ch panel mode for analog channel Panel Mode : Human entrance, operation timeout, sticking scrip, and installing scanner Human Face Mode : Normal human face, abnormal human face, multiple human faces, wearing sunglasses, and using mobile phone	



20	Back Up facility	In built & provision for External portable HDD/Pen drive/through USB port. Player software to play back recorded video should automatically be loaded on to the external back up media so that it can be played back on any PC directly.	
21	User Interface	On screen graphic User Interface(GUI)	
22	System recovery after power failure	Auto Re booting	
23	Operation for setting and searching	User friendly	
24	Multiple functionality	Should support pentaflex functions to perform all recorder functions at the same time, i.e., record, live view/playback, network (view remotely), administrative and backup. Client software for remote view shall be provided free of any charge if required.	
25	Compatibility	Should support all types of cameras	
26	Certifications	UL/BIS,CE,FCC	
27	System operation	Micro processor based Password operated	



eXtended Video Recorder (XVR)-4, 8, 16, 32 channel

This product shall be manufactured by a firm whose quality system is in compliance with the ISO-9001

Products quoted should be of international reputé & from any of Top global OEM as per latest IHS report.

All systems and components must be in compliance with FCC/CE/UL/RoHS requirements.

The Offered Cameras, Recorder, VMS, Analytic shall be from the same OEM to ensure seamless integration & better support. However keeping in mind the future scalability, the offered VMS & Cameras should be ONVIFS compliant.

S.N	Parameter	Specification	Compliance
1	Compatibility	Analog cameras (mandatory), AHD, CVI, TVI (minimum one out of the three other than itself)	
2	Main Processor / Operating System	Embedded	
3	System Resources	Pentaplex function: recording, playback, live view, backup, remote access over IP network	
4	Recorder Control Options	Video Front panel, Virtual Keyboard (Both RS485 and IP), IP Network, USB mouse	
5	Analog / HD Camera Input	Minimum 4/8/16 Video channel; BNC	
6	IP Camera Input	04 Ch. HD + 2 IP Ch. (Total 6 IP Channel each upto 6 MP) 08 Ch. HD + 4 IP Ch. (Total 12 IP Channel each upto 6 MP) 16 Ch. HD + 8 IP Ch. (Total 24 IP Channel each upto 6 MP) 32 Ch. HD + 16 IP Ch. (Total 48 IP Channel each upto 6 MP)	
7	Recorder Video Output	Minimum 1 VGA, 1 HDMI	
8	Recorder Audio Input	Minimum 1 audio channel, BNC or RCA	
9	Recorder Audio Output	Minimum 1 audio channel, BNC or RCA	
10	Recorder Bidirectional Talk	1 channel RCA	
11	Display Screen Mode	1,4,8,9,16,32 ALL (Window) as per recorder channels	
12	Camera Scheduling	Supported (Continuous/Motion/Event based)	
13	On Screen Display	Date, Time , Camera Title, Video loss alert, motion detection alert, recording, camera lock alert, camera tampering, camera masking.	
14	Video/Audio Compression	H.265/H.264/G.711 respectively (One Channel) or higher	
15	Image Resolution	4 MP/1080p/720p/VGA/WD1/4CIF/CIF or better with selectable fps.	
16	Encoding Stream	4 MP lite/3 MP@15 fps; 1080p lite/720p lite/VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N) in all channels with selectable fps	
17	Video Encoding Bit Rate	Analog video: 32~2048Kb/s or higher, IP video: 32~4096Kb/s or higher	
18	Image Quality	6 levels (VBR/ CBR)	
19	Recording Mode	Manual, Schedule, Regular, Motion detection, Camera	



		blank, Video loss. Stop Recording	
20	Recording Priority	Manual; Alarm; Motion Detection & Regular	
21	Recording Interval	Prerecord: 1sec to 30 sec., Post-record: 10sec ~ 5 minutes	
22	Alarm Input	Supported Minimum 4	
23	Relay Output	Supported Maximum 1	
24	Water Marking	Supported	
25	Playback Channel	Synchronous Playback 1,2,4 (for 4ch recorder); 1,2,4,8 (for 8ch recorder); 1,2,4,16 (for 16ch recorder)	
26	Recorded Data Search Mode	Video Time & Date, Exact search (with Date, Hour, Minute / Second accuracy), Motion Detection, Alarm	
27	Video Intelligence	Deep learning-based motion detection, perimeter protection (line crossing and intrusion detection), OR facial recognition. [Face picture comparison, face picture search (1-ch face picture comparison alarm for HD analog camera)]. Face comparison /recognition should support in either 4ch/8ch/16ch recorder	
28	Playback Options	Play, Digital zoom (any size), Pause, Rewind, Slow motion, shift to Next file, shift to Previous file, one click Previous camera, one click Next camera, Full screen mode, Replay, Backup selection, Fast forward, Shuffling	
29	Operation Over Network	Monitor, Playback, File download, Log information, System setting,	
30	Hard Drive Storage Option	For 4 Channel – 2 SATA , 8 Channel – 4 SATA , 16 Channel – 8 SATA. 32 Channel - 8 SATA Should support up to 10 TB per SATA port	
31	USB Interface	Minimum 2 Ports	
32	Power Supply	12 VDC /AC 100~240 V, 50/60 Hz	
33	Working Environment	All Indoor weather conditions	
34	Duplex type	Recorder should be able to playback recoded footage without having to stop recording	
35	Certificate	UL/BIS,CE,FCC	
36	HDD quality	Surveillance Hard Disk: Sea Gate/Western Digital/Sky Hawk(2 TB / 4 TB/6 TB/8TB)	



HD Fixed Dome

This product shall be manufactured by a firm whose quality system is in compliance with the ISO-9001

Products quoted should be of international repute & from any of Top global OEM as per latest IHS report.

All systems and components must be in compliance with FCC/CE/UL/RoHS requirements.

The Offered Cameras, Recorder, VMS, Analytic shall be from the same OEM to ensure seamless integration & better support. However keeping in mind the future scalability, the offered VMS & Cameras should be ONVIF S compliant.

S.No	Parameters	Specification	Compliance Yes/No
1	HD Technology	AHD, CVI, TVI, CVBS	
2	Image Sensor	2MP CMOS Sensor	
3	Signal System	PAL	
4	Effective Pixels	1920(H)x1080(V)) or better	
5	Mini. Illumination	Color: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with white light	
6	Video Output	1080P or higher @ 25 fps	
7	Display Resolution	1080P or higher @ 25 fps	
8	Recording Resolution	1080P or higher @ 25 fps	
9	Frame Rate	50Hz:1080p or higher @25fps	
10	SNR	≥52dB(AGC OFF)	
11	Sync System	Internal	
12	White Balance	Automatic	
13	Day & Night	24/7 Color Imaging	
14	Shutter	Automatic	
15	Slow Shutter	16X	
16	Auto Gain Control (AGC)	Automatic	
17	Noise Reduction (NR)	3DNR	
18	White Light	Up to 20 mtr	
19	Functions	Brightness, Sharpness, 3D DNR, Mirror, Smart light	
20	Lens	3.6mm, 2.8mm	
21	Field of view	2.8 mm: 119° x 101° x 54° (diagonal x horizontal x vertical) 3.6 mm: 100° x 84° x 45° (diagonal x horizontal x vertical)	
22	WDR	130 db WDR (DWDR not acceptable)	
23	Input Voltage	DC12V±10%	
24	IP Rating	IP67	
25	Operation Temp	-30° to +50° C	
26	Storage Humidity	90% or less	
27	Certification	UL/BIS,CE,FCC	
28	Image Enhancement	BLC, HLC Supported	
29	Built-in Microphone	Yes	
30	Material	Metal	



HD Fixed Bullet Camera

This product shall be manufactured by a firm whose quality system is in compliance with the ISO-9001. Products quoted should be of international repute & from any of Top global OEM as per latest IHS report. All systems and components must be in compliance with FCC/CE/UL/RoHS requirements. The Offered Cameras, Recorder, VMS, Analytic shall be from the same OEM to ensure seamless integration & better support. However keeping in mind the future scalability, the offered VMS & Cameras should be ONVIF S compliant.

S. No	Parameters	Specification	Compliance Yes/No
1	HD Technology	AHD, CVI, TVI, CVBS	
2	Image Sensor	2MP CMOS Sensor	
3	Signal System	PAL	
4	Effective Pixels	1920(H)x1080(V) or better	
5	Mini. Illumination	Color: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with white light	
6	Video Output	1080P or higher @ 25 fps	
7	Display Resolution	1080P or higher @ 25 fps	
8	Recording Resolution	1080P or higher @ 25 fps	
9	Frame Rate	50Hz:1080p or higher @25fps	
10	SNR	≥52dB(AGC OFF)	
11	Sync System	Internal	
12	White Balance	Automatic	
13	Day & Night	24/7 Color Imaging	
14	Shutter	Automatic	
15	Slow Shutter	16X	
16	Auto Gain Control (AGC)	Automatic	
17	Noise Reduction (NR)	3DNR	
18	White Light	Up to 30m	
19	Functions	Brightness, Sharpness, 3D DNR, Mirror, Smart light	
20	Lens	3.6mm, 2.8mm	
21	Field of view	2.8 mm: 119° x 101° x 54° (diagonal x horizontal x vertical) 3.6 mm: 100° x 84° x 45° (diagonal x horizontal x vertical)	
22	WDR	130 db WDR (DWDR not acceptable)	
23	Input Voltage	DC12V±10%	
24	IP Rating	IP67	
25	Operation Temp	-30° to +50° C	
26	Storage Humidity	90% or less	
27	Certification	UL/BIS,CE,FCC	
28	Image Enhancement	BLC, HLC Supported	
29	Built-in Microphone	Yes	



HD Varifocal Dome Camera

This product shall be manufactured by a firm whose quality system is in compliance with the ISO-9001 Products quoted should be of international repute & from any of Top global OEM as per latest IHS report. All systems and components must be in compliance with FCC/CE/UL/RoHS requirements.

The Offered Cameras, Recorder, VMS, Analytic shall be from the same OEM to ensure seamless integration & better support. However keeping in mind the future scalability, the offered VMS & Cameras should be ONVIF S compliant.

S. No	Parameters	Specification	Compliance Yes/No
1	HD Technology	AHD, CVI, TVI	
2	Image Sensor	1/3" 1080P CMOS Sensor /CCD or better	
3	Signal System	PAL	
4	Effective Pixels	1920(H)x1080(V)) or better	
5	Mini. Illumination	Mini. 0.01Lux@F1.2, AGC Illumination ON, 0 Lux with IR	
6	Video Output	1080P or higher @ 25 fps	
7	Display Resolution	1080P or higher @ 25 fps	
8	Recording Resolution	1080P or higher @ 25 fps	
9	Frame Rate	50Hz:720p or higher @25fps	
10	SNR	≥52dB(AGC OFF)	
12	Sync System	Internal	
13	White Balance	Automatic	
14	Day & Night	Automatic	
15	Shutter	Automatic	
16	Auto Gain Control (AGC)	Automatic	
17	Noise Reduction (NR)	3DNR	
18	IR Range	Up to 30m	
19	Lens	2.8-12mm (verifocal)	
20	WDR	120 db WDR (DWDR not acceptable)	
21	Input Voltage	DC12V±15%	
22	IP Rating	IP67 ,IK10	
23	Ingress Protection - Vandal Proof	IK10 (outer glass cover) - Turret Shape not acceptable	
24	Operation Temp	0° to +50° C	
25	Storage Humidity	90% or less	
26	Certification	UL/BIS,CE,FCC	



HD varifocal Bullet Camera

This product shall be manufactured by a firm whose quality system is in compliance with the ISO-9001

Products quoted should be of international repute & from any of Top global OEM as per latest IHS report.

All systems and components must be in compliance with FCC/CE/UL/RoHS requirements.

The Offered Cameras, Recorder, VMS, Analytic shall be from the same OEM to ensure seamless integration & better support. However keeping in mind the future scalability, the offered VMS & Cameras should be ONVIF S compliant.

S.No	Parameters	Specification	Compliance Yes/No
1	HD Technology	AHD, CVI, TVI	
2	Image Sensor	1/3" 1080P CMOS Sensor /CCD or better	
3	Signal System	PAL	
4	Effective Pixels	1920(H)x1080(V)) or better	
5	Mini. Illumination	Mini. 0.01Lux@F1.2, AGC Illumination ON, 0 Lux with IR	
6	Video Output	1080P or higher @ 25 fps	
7	Display Resolution	1080P or higher @ 25 fps	
8	Recording Resolution	1080P or higher @ 25 fps	
9	Frame Rate	50Hz:720p or higher @25fps	
10	SNR	≥52dB(AGC OFF)	
12	Sync System	Internal	
13	White Balance	Automatic	
14	Day & Night	Automatic	
15	Shutter	Automatic	
16	Auto Gain Control (AGC)	Automatic	
17	Noise Reduction (NR)	3DNR	
18	IR Range	Up to 30m	
19	Lens	2.8-12mm (verifocal)	
20	WDR	120 db WDR (DWDR not acceptable)	
21	Input Voltage	DC12V±30%	
22	IP Rating	IP67	
23	Operation Temp	0° to +50° C	
24	Storage Humidity	90% or less	
25	Certification	UL/BIS,CE,FCC	



Pinhole Camera			
This product shall be manufactured by a firm whose quality system is in compliance with the ISO-9001			
Products quoted should be of international repute & from any of Top global OEM as per latest IHS report.			
All systems and components must be in compliance with FCC/CE/UL/RoHS requirements.			
The Offered Cameras, Recorder, VMS, Analytic shall be from the same OEM to ensure seamless integration & better support. However keeping in mind the future scalability, the offered VMS & Cameras should be ONVIF S compliant.			
Sr N o	Feature	specification	Compliance Yes/No
1	Image Sensor	1/3" CMOS /CCD	
2	Effective pixels	1920(H)x1080(V))	
3	Resolution	1920(H)x1080(V))	
5		Color: 0.004LuxLux/F2.4 Black & White: 0.0004 Lux/F2.4	
6	S/N ratio	52 dB	
7	Electronic shutter	1/3s-1/100000s	
8	Lens	3.7mm Pin Hole (2.8mm optional)	
9	WDR	120 db WDR (DWDR not acceptable)	
10	BLC	On/Off (Auto)	
11	Motion detection	Yes	
12	White balance	Supported	
13	AGC	Supported	
14	Day & Night	Color/B/W/Auto level adjust	
15	Communication Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port	
16	Power supply	DC 12V	
17	Power consumption	5 Watts max	
18	Certification	UL/BIS,CE,FCC	
19	Perimeter Protection	Line crossing, intrusion. Support alarm triggering by specified target types (human and vehicle)	
20	Built-in Microphone	Supported	
21	Built-in Speaker	Supported	
22	HLC	Supported	
23	IR Range	Up to 10 m	



Specifications: 2 MP IR Fixed Turret Network Camera (IP Camera)

S.N.	Camera	
1	Image Sensor	1/2.8" Progressive Scan CMOS
2	Min. Illumination	0.002 lux@F1.6 (Color, 30 IRE) 0.0002 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)
4	Shutter Speed	1/3 s to 1/100,000 s
5	Slow Shutter	Yes
6	Auto-Iris	No
7	Day & Night	IR Cut Filter
8	Digital Noise Reduction	3D DNR
9	WDR	120 dB
10	3-Axis Adjustment	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°
	Lens	
11	Focal Length	3.6mm, 2.8mm
12	Aperture	F2.0
13	Focus	Fixed
14	FOV	2.8 mm: 119° x 101° x 54° (diagonal x horizontal x vertical) 3.6 mm: 100° x 84° x 45° (diagonal x horizontal x vertical)
15	Lens Mount	M12
	IR	
16	IR, white light Range	Up to 30m
17	Wavelength	850nm
	Compression Standard	
18	Video Compression	Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264
19	H.264 Type	Baseline Profile/Main Profile/High Profile
20	H.264+	Main stream supports
	H.265 Type	Main Profile
	H.265+	Main stream supports
21	Video Bit Rate	32 Kbps to 8 Mbps
	Smart Feature-set	
23	Behaviour Analysis	Line crossing detection, intrusion detection
24	Region of Interest	1 fixed region for main stream
	Image	
25	Max. Resolution	1920 × 1080
	Main Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720)
26		60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
	Sub-Stream	50Hz: 25fps (640 × 480, 352 × 288, 320 × 240)
27		60Hz: 30fps (640 × 480, 352 × 240, 320 × 240)
	Third Stream	50Hz: 1fps (352 x 240, 320 x 240)
28		60Hz: 1fps (352 x 240, 320 x 240)
29	Image Enhancement	BLC, 3D DNR, HLC
30	Image Settings	Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser
31	Day/Night Switch	



		Day/Night/Auto/Schedule
	Network	
32	Network Storage	Support Micro SD/SDHC/SDXC card slot (256 G), NAS (NFS, SMB/CIFS)
33	Alarm Trigger	Motion detection, video tampering, illegal login, HDD full, HDD error
34	Protocols	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; NTP; Multicast; ICMP; IGMP
35	General Function	Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter
36	API	ONVIF (PROFILE S, PROFILE G), ISAPI
37	Simultaneous Live View	Up to 6 channels
38	User/Host	Up to 32 users, 3 levels: Administrator, Operator and User
49	Web Browser	IE10,11, Chrome 57.0+,, Firefox 52.0+
	Interface	
50	Audio	1 built-in mic
51	Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
52	On-board Storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB
	General	
53	Operating Conditions	-30 °C to +60 °C (-22 °F to +140 °F), humidity 95% or less (non-condensing)
54	Power Supply	12 VDC $\pm$ 25%, PoE (802.3af, class 3)
55	Power Consumption and Current	Basic: 1.9 W (12 VDC); 2.5 W (PoE) Max. (ICR + H.265 + WDR + max. Illumination + intelligence on): 4.7 W (12 VDC); 5.6 W (PoE)
56	Protection Level	IP67
57	Material	Shell: plastic, camera body: metal



VMS Software Specifications

All software and licenses for end to end IP based video surveillance system
Proposed CCTV system shall be based on Non Proprietary open standard based integrated system with network centric functionality complied to ONVIF profile-S and management architecture, aimed at providing high-speed manual/automatic
Failure of one camera shall not affect other cameras.
The video management system shall be an enterprise class IP enabled fully distributed solution, designed for limitless multi-site and multiple server installations requiring 24/7 surveillance with support for devices from different location.
The video management system shall allow a minimum 20,000 number of cameras, recording servers and clients to be connected to management server across multiple sites.
Single server should connect upto 50 ANPR cameras
The video management system shall include a distributed architecture, allowing clients on the host system with the user rights to view video sources belonging to multiple independent video management systems simultaneously.
The video management system shall contain a management server that shall be the central manager of the system and control recording servers, cameras, devices and users.
The video management system shall incorporate a fully integrated video-sharing functionality for distributed viewing of video from any camera in the system on any computer with the viewing client.
The video management system shall support encryption of video for export purposes.
Cameras, which shall show a minimum list of the following items. 1) Camera status (connected or disconnected)
An individual camera is recording or not
The name of the camera, the hardware device and the IP address of the hardware device
The recording server, the camera is connected
What storage the camera is using
Live video format, for example H.264 or M-JPEG
Recording video format, for example H.264 or M-JPEG
Viewing Client
The viewing client shall enable operators to connect to the management server for initial authorization. Up on authorization, the viewing client shall be able to connect to the recording server(s), for access to live and record
The Client operator shall be able to drag and drop a camera from a tree of available cameras or a camera sequence into any video tile for live viewing.
The viewing client shall allow the user to be able to:
View live video from cameras;
Playback recordings from cameras with a selection of advanced navigation controls, including an intuitive time line browser.
Switch between a number of views, each able to display videos from 1 up to 16 cameras from multiple servers at a time. The system shall make it possible to create views based on different layouts optimized for 4:3 and 16:9 displ
Access views of cameras on any PC with a viewing client installed.
Use multiple screens as well as floating windows for displaying different views simultaneously.
Quickly replace one or more views of cameras with other cameras.
View images from several cameras in sequence in a single camera position in a designated carousel position.
View video from selected cameras in greater magnification and/or higher quality in a designated special view position.
Control PTZ cameras.
Use digital zoom on live as well as recorded video.
Get a quick overview of sequences with detected motion.
Quickly search for motion in selected areas of a video recording.
Maps
The viewing client shall include a built-in map function which shall provide an intuitive overview of the system and shall offer integrated access to all system components.
The map function shall be able to use standard graphical file formats.
It shall be possible to use any number of layered maps and to easily drag- and-drop and point-and-click icons representing cameras.



The viewing client shall support a map function which shall support instant camera preview when moving the mouse pointer over a specific camera.
The map function shall support real-time status monitoring indication from all system components like camera, recording server, storage etc.
The map function shall support graphical at-the-glance visualization of the system status through color coding. Graphical tool illustrating health status of various equipment on a single screen, such as graphical representation
Storage
VMS should Support edge storage and central storage.
VMS should support Central storage: Extend storage via iSCSI.
Server disk configuration for picture storage involving face detection and recognition, alarms, and object detection
Create record plan by time template: All day template, weekday template, weekend template and custom template
Back up the video by schedule from the edge storage, like EVS, NVR, DVR, etc.
Disk quota: Group the disks, and cameras can be allocated to different disk groups
Vehicle Restricted List Management
Set start time and end time for vehicle restricted list
Arm and disarm vehicle restricted list.
Import and export vehicle restricted list.
Parking Management
Overview of entrance and exit information: Number of parking spaces and remaining parking spaces, traffic statistics, parking turnover, parking utilization rates
Support dual-camera capture for higher recognition rate.
Edit parking-lot, includes total and available spaces, parking name etc
Support configuration of barrier control rules, and support configuration of barrier control rules for zero-space-left cases
VMS should support searching for vehicle records, on-site vehicles, and ANPR details
VMS should support traffic Violation & search function by time, vehicle number, and traffic violation information type.
Support querying for data of passing-by vehicles by section, time period, plate number, plate color, average speed, and type
Supports Violation Penalty
Violators can be penalized.
Supports printing traffic tickets
Violation records can be reviewed.
Violation records can be searched for, including ANPR captured violations, and road section and traffic restriction violations.
Gives Overview of traffic flow
Supports searching for the traffic flow at intersections and road sections from specific periods.
Stand Alone Viewing Client
The standalone viewing client shall make it possible to view exported video.
The standalone viewing client shall run from an. exe file, and no installation of software shall be required in order to view exported sources.
Mobile Viewing Client
It shall be possible to access and view cameras and views on a Smart phone or a tablet (a mobile device). Mobile Client should have live and Playback functionality. It must support android, windows, iOS platform



16 & 32 Channel NVR with 8 Sata Port			
S. No.	Features	Description	Compliance (Yes/No)
1	Main Processor	Industrial Grade Processor	
2	Operating System	Embedded LINUX	
3	SATA Ports	8 SATA ports for 16 / 32 channel NVR, Each SATA port should support 16TB HDD	
4	Interface	1VGA, 1HDMI	
5	Video Output	VGA:1920 × 1080, 1280 × 1024, 1280 × 720 HDMI:3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720	
6	Resolution	16 MP; 12 MP; 8 MP; 6 MP; 5 MP; 4 MP; 3 MP; 1080p; 960p; 720p; D1; CIF	
7	Multi-screen Mode (Display Split Screen)	1/4/8/9/16	
8	Trigger Events	Recording, PTZ, Tour, Alarm Out, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips	
9	Video Detection	Motion Detection, MD Zones: 396 (22 X 18), Video Loss and Tampering, Scene Change Detection	
10	Alarm input	16 Ports	
11	Alarm output	4 Ports	
12	Sync Playback	1/4/9/16	
13	Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)	
14	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	
15	Backup Mode	USB Device/Network/Internal SATA burner/e-SATA Device	
16	Internal HDD	All SATA ports should support 16TB	
17	USB	3(2 USB 2.0 port, 1 USB 3.0 ports)	
18	RS232	1 Port, for PC Communication and keyboard	
19	RS485	1 Port, for PTZ Control	
20	IP Camera Input	16	
21	Audio Compression	G.711a; G.711u; PCM; G726	
22	Two-way Talk	1 Channel Input, 1 Channel Output	
23	Compression	High Efficiency Video Coding (HEVC), H.265+ or more	
24	Resolution	1080P or more at 25 FPS	
25	Frames per Second	25 FPS	
26	Record Rate	256 Mbps Incoming	
27	Record Mode	Manual, Schedule (Regular, Continuous), MD, Alarm, Stop	
28	Record Interval	1-120 min (default: 60 min), Pre-record: 1-30 sec, Post record: 10-300 sec	
29	Interface	2 RJ-45 port (10/100/1000 Mbps)	
30	Network Function	HTTP; HTTPS; TCP/IP; IPv4/IPv6; UDP; SNMP; NTP; DHCP; DNS; SMTP; UPnP; IP Filter; PPPoE; FTP; DDNS; Alarm Server; IP Search, Multicast; P2P; Auto Registration	
31	Interoperability	ONVIF (Profile T; Profile S; Profile G), CGI Conformant	
32	Certifications	UL/ FCC, CE and BIS approved	



3+1 Coaxial and power cable

Coaxial Cable		
Conductor	Material	Bare copper
	Wire Gauge	26AWG
	Diameter	0.41±0.01mm
Insulation	Material	FPE
	Diameter	2.0±0.1mm
Tape	Material	Copper foil
Braid	Material	Copper clad aluminum magnesium
	Braiding Standard	5*16*0.12mm ±0.008mm
	Braiding Density	≥80%
Jacket	Material	PVC
Impedance		75ohms
Power Cable		
Conductor	Material	Bare copper
	Quantity	3
	Diameter	11*0.16±0.008mm
Insulation	Material	SR-PVC
	Diameter	1.2±0.1mm
Jacket	Material	PVC
Make & Type	Acceptable type	ISI Marked (IS-694, 1990) Make – Finolex, Polycab or similar quality,

CAT 6 Cable

S. No.	Parameter	Minimum Specifications
1	Type	U/UTP 4Pairs cable-category 6- PVC Sheath
2	Size	23 AWG
3	Material	Solid Bare Copper
4	Test Standard	ISO/IEC11801, TIA-568-C.2
5	Ambient Temperature	-20°C - 75°C
6	Insulation Material	Polyethylene (HDPE)
7	Sheath material	PVC Polyvinyl chloride
8	Tensile Strength before aging	>13.5
9	Aging Period	100 Deg C x 24h x 10d
10	Colour Chart	1 White- Blue /Blue
		2 White-Orange /Orange
		3 White-Green /Green
		4 White- Brown /Brown



19" HD LCD Monitor

S.No	Category	Parameters	Specification	Compliance Yes/No
1	Monitor	Backlight	LED Backlight	
2		Screen Size	19.5 inch	
3		Pixel Pitch	0.300mm×0.300mm	
4		Max Resolution	1600×900	
5		Brightness	200cd/m2	
6		Contrast	1000:1	
7		Response Time	5ms	
8		Color	16.7M	
9		Active Area	409.8mm × 230.4mm	
10		Viewing Angle	Horizontal 90°, Vertical 80°	
11	Interface	VGA Input	1	
		HDMI Input	1	
12	General	VESA	75 mm × 75 mm	-



PART-2 : Financial bid

FOR CCTV SYSTEMS:

S.N	ITEM	QTY	RATES (IN RS.)	Model no	Make
1	DVR 4 Channel with Inbuilt Monitor for ATM	1 Nos.			
2	XVR 4 Channel	1 Nos.			
3	XVR 8 Channel	1 Nos.			
4	XVR 16 Channel	1 Nos.			
5	2 MP HD FIXED DOME CAMERA	1 Nos.			
6	2 MP HD FIXED BULLET CAMERA	1 Nos.			
7	2 MP HD VERIFOACAL DOME CAMERA	1 Nos.			
8	2 MP HD FIXED BULLET CAMERA	1 Nos.			
9	2 MP PIN HOLE CAMERA	1 Nos.			
10	2 MP IP CAMERA	1 Nos.			
11	SD CARD (64GB)	1 Nos.			
12	SD CARD (128GB)	1 Nos.			
13	SD CARD (256 GB)	1 Nos.			
14	NETWORKING CABLE including conduit	1 Mtr.			
15	CAT 6 CABLE	1 Mtr.			
16	CABLE (IN Mtr) including conduit	1 Mtr.			
17	POWER SUPPLY	1 Nos.			
18	16 CH NVR	1 Nos.			
19	32 CH NVR	1 Nos.			
20	POWER SUPPLY	1 Nos.			
21	Monitor 19"	1 Nos.			
22	Rack 4U, 6U	1 Nos.			
23	Hard disk 4TB	1 Nos.			
24	Hard disk 6TB	1 Nos.			
25	Hard disk 8TB	1 Nos.			
26	HDMI CABLE	Per			
27	INSTALLATION	Branc			
28	INSTALLATION	Locke			
29	INSTALLATION	ATM			
30	Total Cost				
	Our Old System Non-Comprehensive Annual Maintenance Charges (AMC) with establishing of bank E-surveillance System through bank's network	1 Nos.		3 Visits Per year	Dahuva, Hikvision & other installed
	Total Cost				



Signature with Seal of the Vendor