



UCO BANK

(□□□□ □□□□□□ □□ □□□□□□)

A Govt. of India

Undertaking)

सम्मान आपके विश्वास का

Honours your trust

□□□□ □□□□, □□□□ □□□□□□□□, बर्दवान -713103

DATE-11.07.2016

UCO Bank, Zonal Office, Burdwan- 713103

Invitation of Bids For Supply, Installation of CCTV and Annual Maintenance Contract of existing CCTV systems at the Bank Branches under Burdwan Zone.

1. Applications are invited from reputed Companies /Firms for Supply, Installation and Annual maintenance Contract of existing CCTV systems in the Branches under Burdwan Zone of UCO Bank, West Bengal comprising of (Burdwan, Bankura, Purulia and Nadia Districts). Only those companies and firms empanelled by our UCO Bank, Head Office, Kolkata who fulfill following eligibility criteria will be considered for empanelment:-
 - a) Reputed service providers specializing in providing and installation of CCTV Systems for at least last 5 years in the field as on 1st April, 2016.
 - b) Ability to undertake the work and maintenance of all Branches throughout the Burdwan zone.
 - c) Ability to provide CCTV systems as per technical specifications available at Appendix-III & IV of this advertisement.
 - d) Ability to commence service within 10 days from date of placement of order.
2. The vendor should meet the eligibility criteria, General requirements, and other mandatory requirements as per details available at Appendix- I & II of this advertisement.
3. The system should meet with technical specification and details given in Appendix- II & III.
4. Empanelment of vendors may be restricted to maximum 07 vendors in accordance with merit towards fulfillment of eligibility criteria in a descending order specified in Appendix-I & II and fulfillment of technical specification compliance given in Appendix- III & IV.
6. 10% of the payment will be retained by Bank for 2 Year (warranty period) from the date of Installation as defect liability period money.
7. **The vendor has to give an undertaking that they will give a performance Bank guarantee of Rs.1,00,000/- (Rs.One lakh) for two years for the AMC of existing CCTV systems installed at Branches of Burdwan Zone, and this performance guarantee will be in vogue in case of new CCTV installations and their AMC after the expiry of warranty period of two years, and this undertaking has to be enclosed with the eligibility bid.**
8. The vendor has to give an undertaking that:-
 - I) The Hard Disk they will supply is a Surveillance Hard Disk
 - II) DNS software & Remote Health Monitoring Software has to be provided free of cost by the Vendor.
 - III) The above stated both the undertakings have to be enclosed with the eligibility bid.
9. Applications are to be sent to the undersigned in two sealed covers super scribed as Part-I (eligibility bid), Part-II (Technical Bid) & Part-III (Financial Bid) with vendor's complete address and contact number on or before 17.00 hrs on 01st August 2016 as under:
 - (a) **Part I. Eligibility bids-** to include profile of the company.
 - 1) List of major existing clients, registered number and sales tax details etc. as per **Appendix-I & II** point wise. Attach document wherever required.
 - 2) **EMD shall be Rs-25,000/-(Twenty five thousand only)** to be deposited along with tender document through Demand Draft, Bankers Cheque or Pay Order in favour of **UCO Bank, Zonal Office, Burdwan**

(b) **Part II. Technical bids** -to meet the technical specification:

- 1) Compliance of technical specification of CCTV Systems given in **Appendix -III & IV** point wise.
- 2) The system and all the parts should meet with standard stipulated as mentioned in technical specification.

Part III financial bids should be: - Net rates (inclusive of all taxes, levies, installation, handling & maintenance charges).

(Vendors may be asked to submit Copy of certification of equipment i.e. UL/CE/FCC, copy of document of authorization from manufacturer to Indian dealers and from Indian dealer to supplier undertaking that the cards supplied are original)

10. EMD shall be Rs-25,000/-(Twenty five thousand only) to be deposited along with tender document through Demand Draft, Bankers Cheque or Pay Order in favour of UCO Bank, Zonal Office, Burdwan. EMD is liable to be forfeited in the event of:
 - i. Revocation of the tender or increasing the rates after opening of the tender and before the expiry of the validity of tender.
 - ii. Refusal of the vendor/Contractor to execute the agreement or not complying with the contractual terms & conditions after awarding of contract.
9. The interested vendors may obtain the tender papers from under mentioned Bank address, or can be downloaded from our Banks website www.ucobank.co.in. For any other queries, vendors may contact the undersigned on working days between 11 A.M. to 4 P.M.
10. Part (I) Eligibility bid shall be opened on **02nd August 2016 at 11.00 hrs** and Part (II) Technical bid will be opened only if Bank is satisfied with Part I. Opening of Technical bid & Part III (Financial bid) of empanelled vendors will be opened on **02nd August 2016 at 02.30 hrs, only if Bank is satisfied with Part-I, Part-II.**
11. Bank reserves the right to reject any/all bids without assigning any reason thereto.
12. Bank is not responsible for late receipt of application or its damage in transit.
13. Any dispute arising in this matter will be settled in the jurisdiction of Burdwan, West Bengal.

DEPUTY ZONAL HEAD
UCO Bank, Zonal Office,
S.R. Complex (2nd Floor),
P.o. - Sripally, Police Line Bazar,
G.T. Road, Distt.- Burdwan (WB)
Pin- 713103
E-mail: zo.burdwan@ucobank.co.in
Phone no: 0342-2992644
Fax no: 0342-2647979

APPENDIX- I

ELIGIBILITY CRITERIA OF VENDORS FOR SUPPLY, INSTALLATION & ANNUAL MAINTENANCE OF
CCTV SYSTEM

1. Vendor providing CCTV systems should have been in business for the last five years as on 01.04.2016.
2. Vendor providing CCTV system should have adequate technician and local service center at **Burdwan / Bankura/Purulia/ Nadia to attend and repair the complaint and breakdown within 24 hour in Burdwan & Nadia District & 48 hours in the District Bankura & Purulia** of give the exact number of technician working in your concern.
3. Vendor should have a Certificate of Registration with Registrar of Companies or Registrar of Firms or have a letter of proprietorship.
4. Vendor should provide the latest Income Tax Assessment Order and PAN/ TAN Number.
5. Vendor should provide the latest Audited Balance Sheet Preceding 3 Years.
6. Vendor should provide total annual turnover for last 3 years.
7. Vendor should provide name and address of banker with **solvency certificate not older than one year.**
8. Vendor should have a local Office in the state of West Bengal preferably at **Burdwan / Bankura/Purulia/ Nadia.** Give postal address and landline contact number.
9. Vendor should be registered under the **appropriate authority for service tax.**
10. **The vendor has to give an undertaking that they will give a performance Bank guarantee of Rs.1,00000/- (Rs.one lakh) for two years for the AMC of existing CCTV systems installed at Branches of BURDWAN Zone, and this performance guarantee will be in vogue in case of new CCTV installations and their AMC after the expiry of warranty period of two years.**
11. **If vendor fails /does not complete the assigned work/ AMC job within specific period Bank will be free hire services of other competent vendor on the same terms & condition and rate/ price.**
12. **The vendor has to give an undertaking that:**
 - I) **The Hard Disk they will supply is a surveillance Hard Disk.**
 - II) **DNS software & Remote Health Monitoring Software** has to be provided free of cost by the Vendor.
13. Vendor should have supplied CCTV system to Nationalized/ Private Banks in the state of West Bengal.
14. **The vendor has to give an undertaking that, they are willing to carry out the AMC job of existing CCTV systems installed earlier and the AMC job of new CCTV systems to be installed (after the expiry of warranty period of two years), at a uniform price for both the AMCs.**
15. **The vendor has to provide the Manufactures authorization form (MAF) from the OEM and Back to Back support certificate from the dealer/distributor in India i.e. for HIKVISION : M/S Prama Hikvision India Pvt Ltd and for DAHUA: from M/S Aditya Infotech Ltd.**

16. The Hard Disk capacity to be calculated for 90 days storage capacity. D1 quality footage with 700TVL camera, recording quality with 1024 bit rate & 25 fps will require approximately 6 TB HDD for 90 days recording.

- 4 -

APPENDIX-II

General Requirement (Mandatory)		Vendors compliance
1	Warranty for two year	
2	Post warranty AMC for 5 years	
3	Support for retrieval of image for dispute resolution at no additional cost	
4	Necessary software for retrieval of Data from the DVR Hard disc at no additional cost	
Other mandatory requirements		
1	All imported products, e.g. Cameras, DVRs should carry quality certification i.e. CE / FCC / UL. (Copies to be enclosed) and all Cable and PVC conduit i.e. ISI Mark (Should be marked as Annexure-1)	
2	Products should be from ISO certified Manufacturer & Supplier. (Copies to Be Enclosed) (Should be marked as Annexure-2)	
3	Copies of Back-To-Back Authorized Dealership Certificates to Be Enclosed(should be marked as annexure-3)	
4	Local Address & Telephone Number of All Service Centers should be provided (Should be marked as Annexure-4).	
5	Copies of ST / CST / VAT / Regn. No. (Should be marked as Annexure-5)	
6	Copy of PAN No. Registration (Should be marked as Annexure-6)	
7	Brochures / Technical Data Sheets of products offered (Should be marked as Annexure-8.1,8.2,8.3 etc)	
8	Eligibility criteria of vendors(mentioned in Appendix- I) in annexure (10,11,13 ,14,15etc)	

Date

Signature and Seal of the vendor

MAKE & MODELS OF CCTV COMPONENTS APPROVED BY UCO BANK ,HEAD OFFICE, KOLKATA:-
DVRs:-

SI	Product Name	Models	Make
1	32 Channel DVR	DS 8132HWSI-SH	HIKVISION
2	16 Channel DVR	DS 8116HWI-ST	HIKVISION
3	08 Channel DVR	DS 7308HWI-SH	HIKVISION
4	04 Channel DVR	DS 7304HWI-SH	HIKVISION
5	04 Channel ATM DVR	DS-8104HWLI-ST	HIKVISION

SI	Product Name	Models	Make
1	32 Channel DVR	DH-DVR3204HF-S1	DAHUA
2	16 Channel DVR	DH-DVR1604HF-S1	DAHUA
3	08 Channel DVR	DH-DVR0804HF-L1	DAHUA
4	04 Channel DVR	DH-DVR0404HF-S1	DAHUA
5	04 Channel ATM DVR	DH-DVR0404 AH-V(D)	DAHUA

CAMERAS:-

SI No	Product Name	Models	Make
1	DOME IR,VERIFOCAL VANDALPROOF CAMERA	DS-2CC52A1P-VPIR2	HIKVISION
2	BULLET IR, VERIFOCAL,WEATHER PROOF CAMERA	DS-2CC11A2P-VFIR3	HIKVISION
3	PINHOLE CAMERA	DS-2CC51A2P(N)-DG1	HIKVISION

SI No	Product Name	Models	Make
1	DOME IR,VERIFOCAL VANDALPROOF CAMERA	DH-CA-VMS35V2N3-V2	DAHUA
2	BULLET IR, VERIFOCAL,WEATHER PROOF CAMERA	DH-CA-BTS35V2A4-V3	DAHUA
3	PINHOLE CAMERA	DH-CA-P470CP-AV3	DAHUA

Monitor: LG/SAMSUNG

Note:-

- Henceforth, only the above mentioned Make & Model of CCTV and its components which is approved by Head Office to be installed in the Branches & ATMs.
- They will provide the **Manufactures authorization form** (MAF) from the OEM and Back to Back support certificate from the dealer/distributor in India i.e. for **HIKVISION: M/S Prama Hikvision India Pvt. Ltd.** and for **DAHUA: from M/S Aditya Infotech Ltd.**
- The Hard Disk (Surveillance) capacity to be calculated for 90 days storage capacity. D1 quality footage with 700TVL camera, recording quality with 1024 bit rate & 25 fps will require approximately 6 TB HDD for 90 days recording.**

Date

Signature and Seal of the vendor

Appendix –A

Manufacturer's Authorization Form (MAF)

No. _____

dated _____

**Zonal Manager,
UCO Bank,
Zonal Office** _____

Dear Sir,

Subject: _____

Ref No. :

We _____ who are established and reputable manufactures of _____ having factories at _____ and _____ do hereby authorise M/s _____ (Name and address of Vendor /Dealer) to offer their quotation, negotiate and conclude the contract with you against the above invitation for RFP offer.

We hereby extend our full guarantee and warranty as per terms and conditions of the RFP and the contract for the equipment and services offered against this invitation for RFP offer by the above firm and confirm that back to back Spare & Skill Arrangement has been made with M/s _____ for providing support services to UCO Bank under this contract.

Yours faithfully,

Authorized Signatories
(Name & Designation)
Date:

For and on behalf of M/s _____
(Name of manufactures)

Note:

1. This letter of authority should be on the letterhead of the manufacturing concern and should be signed by a competent person of the manufacturer.
2. Such MAF for all items offered for which the vendor is not an OEM, should be attached.

Date:

Place:

Appendix – A1

(To be submitted by OEM/Distributor)

No. _____

Date: _____

**Zonal Manager,
UCO Bank,
Zonal Office _____**

Dear Sir,

Subject : _____

Ref. No. : _____

We _____ who are established and reputable manufactures/distributor of _____ having factories/Office at _____ do hereby certify that all the components / parts / assembly / software used in the Standalone DVR based CCTV Systems i.e. DVR, Camera, Monitor etc, are original with new components / parts / assembly / software and that no refurbished / duplicate / second hand components / parts / assembly / software are used or would be used.

We hereby extend our full guarantee and warranty as per terms and conditions of the RFP and services, offered against this invitation by us. We also confirm that back to back spare & skill arrangement has been made with for providing support services to UCO Bank under this contract.

Yours faithfully,

Authorized Signatories

(Name & Designation)

Date:

For and on behalf of M/s _____

(Name of manufactures)

Note: This letter of authority should be on the letter head of OEM/Distributor and should be signed by a competent authority of the agency.

Date

Signature and Seal of the vendor

APPENDIX – ‘III’

SI No	<u>TECHNICAL SPECIFICATION FOR 8,16 & 32 CHANNELS STANDALONE DVR</u>	VENDOR'S COMPLIANCE YES/ No
1	Operating System: Embedded Linux .	
2	DVR should be system embedded with H.264 video compression algorithm.	
3	Video Frame rate/speed:- 8/16/32 Channel DVR :- 240/480/960fps-NTSC; 200/400/800 fps -PAL.	
4	Simultaneous Live viewing, Remote viewing, Backup, recording and Playback functions: Pentaplex .	
5	Display on line resolution / Preview resolution 976*576 PAL	
6	Multiple Viewing Option (VGA/BNC).	
7	Video Inout / Loop out: 8/8, 16/16 & 32/32	
8	Video Output: 1 composite, 1 HDMI, 1 VGA, 1 Spot.	
9	Audio in / out: minimum 4/1	
	Video display:-for 8 CH-1,4,6,8; for 16 CH-1,4, 8,13,16 ; for 32 CH-1,4,8,10,13,16,25,32	
10	Recording Rate: PAL: Real Time (25 fps per channel),WD1 with all Channels recording and playback both. Player software auto download with backup on DVD.	
11	System should be robust and capable of working in 24*7 environment.	
12	System should be scalable / upgradeable.	
13	Storage Media: Built in Recording up to 90 days in real Time (25 FPS per channel)	
14	Provision for minimum 4 SATA slots for 3 HDD + DVD – RW (each SATA slot should support up to 4 TB HDD capacity).For 16/32 Channel : 8 SATA slots	
15	Data storage for 90 days. Data recycling on FIFO basis.	
16	Network Interface: Ethernet (RJ-45, 10/100 Base-Tx), External Model Via RS-232 Port, RS 485 port.	
17	Support Multi Zone Motion Detection.	
18	Support multilevel Pass Word For Operation, setup and remote Access.	
19	Support Waterproof marking to ensure tamper proof recording of images.	
20	Support tampering detection alarm function to indicate tempering of DVR / Cameras. Visual indication for local faults, disc full, malfunction etc.	

21	Support video signal loss alarm. System should do health check of all cameras.	
22	Support position configurable to OSD and LOGO.	
23	Support Real Time and Motion Based Recording.	
24	Support HDD Sleep Mode.	
25	Support FAT 32 File Systems.	
26	Support USB flash dish, USB DVD-RW for backup with built in DVD-RW.	
27	Support playback in various modes fast ,slow ,pause, forward, backward, frame-by-frame.	
28	Support TCP, UTP, RTP, PPPOE, Multicast, DHCP etc.	
29	Connectivity: Provision for ADSL, PSTN, Leased Line, Broad Band.	
30	Remote play back, Download the recorded files in DVR.	
31	Remote viewing through Mobile phones / and through any Other PC with IP (RHMS).	
32	System should have file player software so that back up can be auto played on any PC Using Windows Media Player.	
33	Vender Should provide Central Monitoring Station (CMS) Software free of cost and this software should be compatible to CMS software of third party, as well. The system should be capable of running Remote Health Monitoring System.	
34	Power AC-100/240 V & 50 / 60 Hz.	
35	DVR housing with wall mounting Bracketing rack and tamperproof locking arrangement.	
36	System Should carry UL,FCC & CE certification.	
37.	HDD Inbuilt with DVR-Seagate/Western Digital Make, Surveillance Hard Disk series (AV series Svl/ SV-35.3 Svl)	
38.	Warranty: Two Year	

	General Requirements	
1	Warranty for Two year	
2	Post warranty AMC for 5 years	
3	Support for retrieval of images for dispute resolution at no additional cost	
4	Necessary software for retrieval of Data from the DVR Hard Disc on	
5.	Open platform with sharing of information on DVR Software Disk Kit(SDK) for CMS by any third party	
6.	UL,CE and FCC certification for imported parts/components and ISI for Indigenous parts/components	

Date

Signature and Seal of the vendor

APPENDIX- ' IV'

VARI-FOCAL DOME IR CAMERA VANDALPROOF

SL.	Vari focal dome IR Camera	Specifications	Vendors Compliance Yes/No
1	Pick up Element	1/3" Super HAD-II CCD	
2	Effective Pixel	PAL: 976x582, NTSC 976x494	
3	Scanning System	2:1 interlace	
4	Sync System	Internal / External Line Lock	
5	Resolution	700 TV lines	
6	Sensitivity	0.01 lux	
7	S/N Ratio	MORE THAN 52 db. (AGC Off, F1.2)	
8	Electronic shutter	Auto: 1/50 (60) to 1/120,000sec	
9	Output	1Vpp Composite video output, 75 Ohm	
10	Lens Type	2.8 – 10 mm Auto Iris DC lens and IR corrected	
11	IR Range	20-30 mtrs	
12	Day/Night	True day/night	
13	Auto White Balance	Auto	
14	Back Light Compensation	OFF/ON SELECTABLE	
15	Automatic Gain Control	OFF/ON SELECTABLE	
16	Flicker less Mode	OFF/ON SELECTABLE (NTSC 1/100; PAL 1/200)	
17	Operating Temperature	10 to 50° C / 30 – 90% RH	
18	Power supply	12VDC/24VAC Auto Detectable	
19	Power consumption	Less than 4 watts with LED ON	
20	Working Condition 24 * 7	Support	
21	Product warranty	1 year minimum	
22	Certification	UL,CE & FCC	

Date

Signature and Seal of the vendor

APPENDIX-‘IV-A’**VARI-FOCAL BULLET IR CAMERA- WEATHERPROOF**

SL.	Vari focal dome IR Camera	Specifications	Vendors Compliance Yes/No
1	Pick up Element	1/3" Super HAD-II CCD	
2	Effective Pixel	PAL: 976x582, NTSC 976x494	
3	Scanning System	2:1 interlace	
4	Sync System	Internal / External Line Lock	
5	Resolution	700 TV lines	
6	Sensitivity	0.01 lux	
7	S/N Ratio	MORE THAN 52 db. (AGC Off, F1.2)	
8	Electronic shutter	Auto: 1/50 (60) to 1/120,000sec	
9	Output	1Vpp Composite video output, 75 Ohm	
11	Lens Type	2.8 – 10 mm Auto Iris and IR corrected	
12	IR Range	30-40 mtrs	
13	Day/Night	True day/night	
14	Auto White Balance	Auto	
15	Back Light Compensation	OFF/ON SELECTABLE	
16	Automatic Gain Control	OFF/ON SELECTABLE	
17	Flicker less Mode	OFF/ON SELECTABLE (NTSC 1/100; PAL 1/200)	
18	Operating Temperature	10 to 50° C / 30 – 90% RH	
19	Power supply	12VDC/24VAC Auto Detectable	
20	Power consumption	Less than 4 Watt with LED ON	
21	Working Condition 24 * 7	Support	
22	Product warranty	1 year minimum	
23	Certification	UL,CE&FCC	

Date

Signature and Seal of the vendor

APPENDIX-'IV-B'

PIN HOLE CAMERA

SL.	Vari focal dome IR Camera	Specifications	Vendors Compliance Yes/No
1	Pick up Element	1/3" Super HAD- II CCD	
2	Effective Pixel	PAL: 976x582, NTSC 976x494	
3	Scanning System	2:1 interlace	
4	Sync System	Internal / External Line Lock	
5	Resolution	700 TV lines	
6	Sensitivity	0.01 lux	
7	S/N Ratio	MORE THAN 52 db. (AGC Off, F1.2)	
8	Electronic shutter	Auto: 1/50 (60) to 1/120,000sec	
9	Output	1Vpp Composite video output, 75 Ohm	
11	Lens Type	3.7 mm or less, wide angle	
12	Day/Night	Auto	
13	Auto White Balance	Auto	
14	Back Light Compensation	OFF/ON SELECTABLE	
15	Automatic Gain Control	OFF/ON SELECTABLE	
16	Flicker less Mode	OFF/ON SELECTABLE (NTSC 1/100; PAL 1/200)	
17	Operating Temperature	10 to 50° C / 30 – 90% RH	
18	Power supply	12VDC/24VAC Auto Detectable	
19	Working Condition 24 * 7	Support	
20	Product warranty	1 year minimum	
21	Certification	UL,CE &FCC	

Date

Signature and Seal of the vendor

APPENDIX-‘IV-C’

Item No	Item Name	Specifications	Vendors Compliance Yes / No
A	Hard Disk Drive	Surveillance Hard disc Drive	
	Seagate/Western Digital (Surveillance HDD)	32~64 MB Cache, 3 MB~6MB per second data transfer rate.	
B	MONITOR (Samsung/LG)	LCD with TCO 03 or equivalent certification	
	Screen Size	19" , 24" & 32 " diagonal TFT LCD/LED	
	Make	Samsung/LG	
	Video	PAL/NTSC color composite	
	Resolution	1280*1024/ 1368*720 Pixels @ 60~85 Hz Refresh Rate, True Colour (32 Bit)	
	Power input	90-260VAC or 121 V DC	
	Viewable Angle	140° H, 130° V	
C	Cable- Video		
	Category	Co Axial RG 6	
	Type	Unarmored	
	Capacitance	53 +/- 3 Ohms	
	DC resistance inner conductor	8.5 Ohms / KM	
	Di-electric strength	10 KVA AC Mains	
	Di electric material	Polythene (PE), 7.1 mm dia	
	Insulation resistance	50 M Ohms/KM	
	Nominal Impedance	75 Ohms	
	Minimum bending radius	55 mm	
	Acceptable Quality	Make – Finolex, Polycab, Jaitex	
D	Cable- Power	Unarmored	
	Category	2 Core power cable, FRLS	
	Type	2 core x 0.75 sq mm	
	Acceptable type	ISI Marked (IS-694, 1990) Make – Finolex, Polycab,	
	Insulation	PVC Insulated	
E	PVC Conduits for cabling.		

	Specification	20 mm dia	
	Acceptable Quality	ISI Marked, Make – Precision or equivalent	
	Grade	Medium	

IMPORTANT: - All imported products, e.g. Cameras, DVRs should carry quality certification i.e. CE, FCC and UL. (Copies to be enclosed) and all Cable and PVC conduit i.e. ISI Marked.

4 CH. ATM DVR- Technical Specification		
1	Operating System	Embedded Linux
2	Video Compression	Embedded with H.264 Video Compression Algorithm
3	No of Video channel	4
4	System features	Simultaneous Viewing, record, play Back, back up & Network
5	Display Resolution	BNC- 704X576 (PAL), 704X480(NTSC)
6	Frame Rate	PAL-D1 quality
7	Video Input	4 Channel
8	Video Output	1BNC,1VGA
9	Storage	Hard Disc-90 days recording minimum
10	Record	Manual, Alarm, Motion Detection & Schedule
11	Support Function	Multi Zone Motion Detection, Multi level password protection
12	Content Control	Water Marking for authentic Video footage
12	Search	Date/Time, Logistic Event, Channel
13	Back up	USB/USB-DVD-RW
14	Remote Function	Mobile view, Back up
15	HDD	02 slots minimum
16	Built in display	7" minimum
17	Text Overlay	ATM POS for text overlay feature
18	Housing	ATM DVR cabinet with temper proof locking arrangement
15	Certification	CE,FCC & UL
	Camera Type & Location	
1	Type	Colour, Preferably IR Dome & Bullet, if required may be Pinhole
2	Numbers	2, Minimum
3	Location	Camera should be installed in such a way that the camera view Should not cover key Pad , One camera outside and one inside the ATM room.
	Camera Specification	
1	IR Dome Camera, vandal proof	1/3" HAD-II CCD, 0.01 Lux, 700TVL, 3.6 mm Wide Angle fixed Lens
2	Pin Hole Camera	1/3" HAD CCD, in appropriate housing 0.01 Lux, 700TVL, 3.7 mm Wide Angle fixed Lens
3.	IR bullet camera, weather proof	1/3" HAD-II CCD, 0.01 Lux, 700TVL, 3.6 mm Wide Angle fixed Lens

Financial Bid

	<u>Appendix – V-</u> Financial Bid	8 CHANNEL STANDALONE DVR		16 CHANNEL STANDALONE DVR	
SN	TECHNICAL SPECIFICATION FOR 8 & 16 CHANNELS STANDALONE DVR		unit cost inclusive of all the applicable taxes, handling, delivery & installation charges		unit cost inclusive of all the applicable taxes, handling, delivery & installation charges
1	Operating System: Embedded Linux.				
2	DVR should be system embedded with H.264 video compression algorithm.				
3	Video Frame rate/speed:- 8 / 16 Channel DVR 240 / 480/960 fps-NTSC 200/400/800 fps-PAL.				
4	Simultaneous Live viewing, Remote viewing, Back up, , recording and Playback functions. Pentaplex				
5	Display on line resolution / Preview resolution 976*576 PAL				
6	Multiple Viewing Option (VGA/BNC).				
7	Video Inout / Loop out: 8/8 & 16/16				
8	Video Output: 1 composite, 1 HDMI, 1 VGA, 1 Spot.				
9	Audio in / out: minimum 4/1				
10	Recording Rate: PAL: Real Time (25 fps per channel), WD1 with all Channels recording and playback both. Player software auto download with backup on DVD.				
11	System should be robust and capable of working in 24X7X365 environment.				
12	System should be scalable / upgradeable.				

13	Storage Media: Built in Recording up to 90 days in real Time (25 FPS per channel)				
14	Provision for minimum 4 SATA slots for 3 HDD + DVD – RW (each SATA slot should upto 6 TB HDD capacity). For 16/32 channel: 8 SATA slots				
15	Data storage for 90 days. Data recycling on FIFO basis.				
16	Network Interface: Ethernet (RJ-45, 10/100 Base-Tx), External Model Via RS-232 Port, RS 485 port.				
17	Support Multi Zone Motion Detection.				
18	Support multilevel Pass Word For Operation, setup and remote Access.				
19	Support Waterproof marking to ensure tamper proof recording of images.				
20	Support tampering detection alarm function to indicate tempering of DVR / Cameras. Visual indication for local faults, disc full, malfunction etc.				
21	Support video signal loss alarm. System should do health check of all cameras.				
22	Support position configurable to OSD and LOGO.				
23	Support Real Time and Motion Based Recording.				
24	Support HDD Sleep Mode.				
25	Support FAT 32 File System.				
26	Support USB flash dish, USB DVD-RW for backup with built in DVD-RW.				
27	Support playback in various modes fast, slow, pause, forward, backward, frame-by-frame.				
28	Support TCP, UTP, RTP, PPPOE, Multicast, DHCP etc.				
29	Connectivity: Provision for ADSL, PSTN, Leased Line, Broad Band.				
30	Remote play back, Download the recorded files in DVR.				

31	Remote viewing through Mobile phones / and through any other PC with IP (RHMS).				
32	System should have file player software so that back up can be auto played on any PC Using Windows Media Player.				
33	Vender Should provide Central Monitoring Station (CMS) Software free of cost and this software should be compatible to CMS software of third party, as well. The system should be capable of running Remote Health Monitoring System.				
34	Power AC-100/240 V & 50 / 60 Hz.				
35	DVR housing with wall mounting bracket and tamper proof locking arrangement.				
36	System Should carry UL/FCC/CE certification.				
37	HDD Inbuilt with DVR- Seagate/western Digital Make, Surveillance Hard Disk series (AV series SvI/SV-35.3SvI)				
38	Warranty: Two Year				
39	Post warranty AMC for 5 years				
40	Support for retrieval of images for dispute resolution at no additional cost				
	TOTAL COST OF DVR PER SYSTEM				
II	TECHNICAL SPECIFICATION FOR CAMERAS			Unit Cost inclusive of All Taxes (Rate per unit)	
1	Vari- Focal Dome IR Camera – With specification of appendix IV				
2	Vari- Focal Bullet IR Camera- Weather Proof – With specification of appendix IV A				
3	PIN Hole Camera – With specification of appendix IV B				

	Note: All Cameras Should carry UL/FCC/CE certification & are to be supplied with associated Mounting Bracket and Housing		
III	TECHNICAL SPECIFICATION FOR MONITOR- With specification of appendix IV- C		Unit Cost inclusive of all Taxes
1	LED 19", 24", 32" inch size, model LG/Samsung(Rate per unit)		
IV	TECHNICAL SPECIFICATION FOR CABLING		Unit Cost inclusive of all Taxes
1	RG 6 video coaxial cable per meter (Rate per running meter) (Brand Polycab)		
2	Two core, FRLS, 2 core X 0.75 sq mm per meter(Rate per running meter) (ISI Marked, I-694,1990, Brand- finolex, Polycab)		
3	PVC conduits for cabling- 200 mm dia (ISI marked) Make precision or equivalent- per meter-(Rate per running meter)		
4	Price per running meter of all the above stated three items		
V	Annual Maintenance Contact for 5 years	Cost inclusive of all taxes	Cost inclusive of all taxes & charges (
1	AMC for the above configuration for five years and the rate quoted for one year for 4/8/16 channel CCTV system. The AMC charges quoted by the vendor will also be applicable for the existing 04, 08, 16 Channel CCTV Systems installed at various branches of Burdwan Zone.		
VII	Mention Service Centers/Office in the Burdwan/Bankura/Purulia/ Nadia (Specify City/town)		
VIII	In case of refurbishing & shifting Relocation charges per Branch / ATM for 04/08/16 Channel system		

NOTE: ALL ABOVE MENTIONED ITEMS e.g. CAMERAS, DVRs SHOULD CARRY QUALITY CERTIFICATION I.E. CE, FCC AND UL (COPIES TO BE ENCLOSED) AND ALL CABLE AND PVC CONDUIT I.E. ISI MARKED

Seal

Date

(Signature of the tenderer/Vendor)

	<u>Annexure - VI –Financial Bid</u>	4 CHANNEL STANDALONE DVR FOR ATM	
SN I	TECHNICAL SPECIFICATION FOR 4 CHANNELS STANDALONE DVR		unit cost inclusive of all the applicable taxes, handling, delivery & installation charges
1	Operating System: Embeded Linux		
2	Video compression :- Embeded with H.264 Video compression algorithm		
3	No of video channel-4		
4	System features:-Simultaneous viewing, record, Playback, back up & Network.		
5	Display resolution:- BNC-704x576(PAL),704x480(NTSC)		
6	Frame rate:-PAL- D1 quality		
7	Video Input :- 4 Channel		
8	Video Output: 1 BNC, 1 VGA .		
9	Storage:- Hard disc 90 days recording minimum (2 T.B) SURVEILLANCE HARD DISK		
10	Record:- Manual, alarm, Motion detection & Schedule.		
11	Support function:- Multi zone motion Detection, Multilevel password protection.		
12	Content control:- Water marking for authentic video footage		
13	Search:- date/Time, Logistic event ,channel.		
14	Back up:-USB/USB-DVD-RW		

15	Remote function:-Mobile view ,Back up.		
16	HDD- 02 slots minimum		
17	Built in display 7" minimum		
18	Housing- ATM DVR cabinet with temper proof locking arrangement		
19	Certification:-CE/FCC/UL/-		
	DVR housing with wall mounting bracket and tamper proof locking arrangement for 4 Channel in Rs-	4 CHANNEL CCTV system DVR IN Rs.	
	TOTAL COST OF EACH CCTV SYSTEM		
	Camera type & Location	RATE QUOTED BY THE VENDOR	
1	Type:-Colour, Preferably IR Dome & Bullet if required may be Pin Hole		
2	Number-2 Minimum		
3	Location:- Camera should be installed in such a way that the camera view should not cover key pad, one camera outside and one inside the ATM room		
	Camera specification:-	RATE QUOTED BY THE VENDOR	
1	IR Dome camera:- 1/3" HAD-II CCD, 0.01 Lux, 700 TVL, 3.6 mm Wide Angle fixed Lens vandal proof		
2	IR Bullet camera, weather proof- 1/3" HAD CCD, in appropriate housing 0.01 Lux, 700 TVL, 3.7mm wide Angle fixed Lens		
3	Pin Hole Camera- 1/3" HAD CCD, in appropriate housing 0.01 Lux, 700 TVL, 3.7mm wide Angle fixed Lens		
III	TECHNICAL SPECIFICATION FOR MONITOR	RATE QUOTED BY THE VENDOR	
1	LED 19 inch size(Rate per unit) (model LG/Samsung)		
IV	BUY BACK OF OLD 4/8/16 CHANNELS CCTV SYSTEM ALONG WITH CAMERAS & ACCESSORIES	RATE QUOTED BY THE VENDOR	
V	TECHNICAL SPECIFICATION FOR CABLING		
1	RG 6 video coaxial cable per meter (Rate per running meter) (Brand Polycab)		

2	Two core, FRLS, 2 core X 0.75 sq mm per meter(Rate per running meter) (ISI Marked, I-694,1990, Brand-finolex, Polycab)		
3	PVC conduits for cabling- 200 mm dia (ISI marked) Make precision or equivalent-per meter-(Rate per running meter)		
4	Price per running meter of all the above stated three items		
VI	Annual Maintenance Contract (AMC) for 5 Years)		Cost inclusive of all taxes & charges
1	Annual Maintenance Contract (AMC):- for the above configuration for five years and the rate quoted for one year for 4/8/16 channel CCTV system. The AMC charges quoted by the vendor will also be applicable for the existing 04, 08, 16 Channel CCTV Systems installed at various Branches of Burdwan/ Bankura/ Purulia / Nadia District.		
	Mention Service Centers/Office in the Burdwan / Bankura/ Purulia Nadia (Specify City/town)		
	In case of refurbishing & shifting Relocation charges per Branch/ATM for 04, Channel system		
Seal Date: <div style="text-align: right;">Signature of vendor</div>			

FINANCIAL BID: ANNEXTURE –VI-A

SL.	Surveillance Drive	Specifications	Unit Cost inclusive of all taxes & charges
1	Hard Disk	1 T.B. Seagate/Western Digital Make, Surveillance Hard Disk series (AV series SvI/ SV-35.3 SvI)	
2	Hard Disk	2 T.B. Seagate/Western Digital Make, Surveillance Hard Disk series (AV series SvI/ SV	
3	Hard Disk	3 T.B. Seagate/Western Digital Make, Surveillance Hard Disk series (AV series SvI/ SV	
4	Hard Disk	4 T.B. Seagate/Western Digital Make, Surveillance Hard Disk series (AV series SvI/ SV	

Seal

Date:

Signature of vendor

NOTE: ALL ABOVE MENTIONED ITEMS ARE TO BE SUPPLIED AS PER SPECIFICATION GIVEN IN THE ABOVE TABLE AND INSTALLATION HAS TO BE COMPLETED AS PER REQUIREMENT OF EACH BRANCH.