

**NOTICE INVITING OFFERS FOR INSTALLATION OF NEW CCTV SYSTEMS IN OUR BRANCHES
UNDER LUCKNOW ZONE.**

UCO Bank, Zonal Office, Lucknow desires to invite sealed offers from empanelled vendors for supply and installation of CCTV systems in branches under Lucknow zone. The eligible empanelled vendors may collect "Tender Document" from UCO BANK, ZONAL OFFICE B-1/122 VINEET KHAND, (Opposite Jaipuria College) GOMTI NAGAR, LUCKNOW (U.P.) PIN- 226010. The document can also be downloaded from the Bank's website (www.ucobank.com) from 05/01/2016 to 19/01/2016. Empanelled vendors are required to submit only financial bids for the CCTV system for which they have been empanelled by UCO Bank, Head Office. The duly completed documents in the prescribed format shall be sealed in a cover and superscribed as "Financial Bid for installation of CCTV System" and shall be submitted by 5.00 P.M. on 19/01/2016 at the office of the Zonal Manager, UCO bank, Zonal Office, B-1/122 Vineet Khand, Gomti Nagar, Lucknow. Tender will be opened on 21/01/2016 at 03.00 P.M. at Zonal Manager, UCO bank, Zonal Office, B-1/122 Vineet Khand, Gomti Nagar, Lucknow- 226010.



Zonal Manager

UCO Bank

Zonal Office, Lucknow

FINANCIAL BIDS FOR CCTV SYSTEM (ITEM WISE) FOR BELOW MENTIONED MAKE & MODELS OF CCTV COMPONENTS APPROVED BY UCO BANK HEAD OFFICE

DVRs:-

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

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

CAMERAS:-

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

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

Item No	Item Name	Specifications	Bid Price (In Rs.)
A	HARD DISK DRIVE	Surveillance Hard disc Drive	Rs.
	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	Rs.
	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		Rs.
	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	Rs.

	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.		Rs.
	Specification	20 mm dia	
	Acceptable Quality	ISI Marked, Make – Precision or equivalent	
	Grade	Medium	
	AMC CHARGES ON PER YEAR	For four visits per year i.e. one visit in each quarter	Rs.

General Requirements:

1. Warranty for one 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
7. Local office address of the vendor along with Telephone No., E. mail Id must be provided with the financial bid itself.

Date :

Place :

Signature of Tenderer with Seal

The details of the empanelled vendors at Head Office and the approved Make & Models of CCTV components along with their Technical specifications are as under:-

SI No.	Name of Vendors	Area of Operation: Service Centres
1.	M/S ANG INDIA Ltd. (NOIDA)	West Bengal, Maharashtra, New Delhi, U.P. , Tamilnadu
2.	M/S CYRUS ELECTRONICS Pvt. Ltd. (LUCKNOW)	U.P. , Uttarakhand, New Delhi, Chandigarh, Bihar
3.	M/S ADINO TELECOM LIMITED(MUMBAI)	West Bengal, Assam, Maharashtra, Gujarat, U.P. , Jharkhand, Kerala, Karnataka, Tamilnadu, Andhra Pradesh, Telengana, Rajasthan, Bihar
4.	M/S CHANDRANI COMPLIMENTS & EXPORTS (P) Ltd. (KOLKATA)	West Bengal, Assam, Bihar, Jharkhand, Odisha, New Delhi, Maharashtra, U.P. , Gujarat
5.	M/S SECURITY ENGINEERS (P) Ltd. (KOLKATA)	West Bengal, Bihar, Jharkhand, Odisha, Chhattishgarh, Madhya Pradesh, Maharashtra
6.	M/S DIGITALS INDIA SECURITY PRODUCTS Pvt Ltd,(NOIDA)	Andhra Pradesh, Telengana, Bihar, Chhattishgarh, Tamilnadu, Gujarat, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Odisha, Punjab, Rajasthan, U.P. , West Bengal, New Delhi
7.	M/S QUALITRONICS (MADRASS) Pvt Ltd	Bihar, Odisha, West Bengal, Assam, Tamilnadu, Andhra Pradesh, Telengana, Karnataka

MAKE & MODELS OF CCTV COMPONENTS APPROVED BY HEAD OFFICE:-

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, VERIFOCAI VANDALPROOF CAMERA	DS-2CC52A1P-VPIR2	HIKVISION
2	BULLET IR, VERIFOCAI, WEATHER PROOF CAMERA	DS-2CC11A2P-VFIR3	HIKVISION
3	PINHOLE CAMERA	DS-2CC51A2P(N)-DG1	HIKVISION

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

Monitor: LG/SAMSUNG

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:

- This letter of authority should be on the letterhead of the manufacturing concern and should be signed by a competent person of the manufacturer.
- 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:

APPENDIX – 'B'

SI No	<u>TECHNICAL SPECIFICATION FOR 8,16 & 32 CHANNELS STANDALONE DVR</u>	VENDOR'S COMPLIANCE
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 upto 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 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	<p>Vender Should provide Central Monitoring Station (CMS)</p> <p>Software free of cost and this software should be compatible to</p> <p>CMS software of third party, as well. The system should be</p> <p>capable of running Remote Health Monitoring System.</p>	

34	Power AC-100/240 V & 50 / 60 Hz.	
35	DVR housing with wall mounting 4U 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: One Year	
	General Requirements	
1	Warranty for one 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	

VARI-FOCAL DOME IR CAMERA VANDALPROOF

SL.	Vari focal dome IR Camera	Specifications	Vendors Compliance Y/N
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	

VARI-FOCAL BULLET IR CAMERA- WEATHERPROOF

SL.	Vari focal dome IR Camera	Specifications	Vendors Compliance Y/N
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	
	Certification	UL,CE&FCC	

PIN HOLE CAMERA

SL.	Vari focal dome IR Camera	Specifications	Vendors Compliance Y/N
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	

APPENDIX-'C-3'

Item No	Item Name	Specifications	Vendors Compliance Y/N
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, 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

N.B. rest specifications of cameras will be as specified in Appendix 'C to C2'