

HIGH COURT OF KERALA

J1(B)-78304/2007

KOCHI - 682 031
Dated 31.10.2011

TENDER NOTICE

Sealed tenders are invited for the supply, installation, testing and commissioning of a fool proof IP based CCTV Surveillance System in the High Court Complex from the firms satisfying the following qualifying parameters.

- 1) The bidder should have successfully completed similar works during last 7 years ending 31.09.2011 as per following:

a) One similar completed works each costing not less than the amount equal to ₹ 100 lakhs Or Two similar completed works each costing not less than the amount equal to ₹ 50 lakhs Or Three similar completed work costing not less than the amount equal to ₹ 25 lakhs.

b) The average Annual Financial Turnover during the last 3 years (08-09, 09-10, 10-11) ending by 31.3.2011 should be at least ₹ 100 lakhs. (Note: If the Annual turnover for last three financial years is mentioned Nil by the tenderer for a particular year, it shall be considered as Zero for computing average.

- 2) If the bidder is not manufacturer of products quoted, the bidder should submit Authorization letter from the Original Equipment Manufacturer (OEM) addressed to customer for the offered IP Cameras . Bids without OEM Authorization letters will be rejected.
- 3) The Bidder is required to submit technical data sheets of all products and installation manuals of all products, technical bids, without these documents, tender shall be considered incomplete and will be rejected.
- 4) The bidder shall be well established and have local own office with service centre in Kochi for last 10 years. Service setup shall be trained for providing project technical assistance and after sales services.
- 5) The bidder shall be an ISO 9001-2000 certified company. The certificate shall be submitted.
- 6) The bidder shall have minimum 5 years experience in supply installation and commissioning, maintenance of CCTV System. Proof of experience shall be submitted.
- 7) Experience in providing provisions of IP based CCTV systems at Industrial Establishment like power plants/ Government Institutions like research labs/ Airports/ Oil Terminals shall be taken as similar works for the purpose of qualification. Purchase order copies and completion certificates shall be enclosed as proof of successful completion.

The number and technical specifications of the items are as follows:

1. Supply , installation, testing and commissioning of 72 Nos. Indoor Dome Vari-focal IP Camera

Sl.No.	Feature	Specification
1.	Image Sensor	1/3"/1/4" CCD/CMos
2.	Effective Pixels	800 X600
3.	Scanning System	2: 1 Progressive
4.	Minimum Illumination	Colour 0.2 lux F-1.4, B/w 0.1 lux F-1.4
5.	Lens	3.3-12 mm F1.2 DC Auto Iris Vari Focal
6.	S/N Ratio	52 dB
7.	Day & Night	Yes
8.	Out Put	1 Loop Out
9.	Compression Format	H.264, Dual Stream Configurable
10.	Number of streams	Dual Stream Configurable
11.	Resolution	D1, CIF, QCIF, 4CIF
12.	Compression FPS	25/30 <u>fps @ D1</u>
13.	Motion Detection	Support (DSP)
14.	Burnt -in Text (Digital)	Support(DSP)
15.	Input	1 channel
16.	Output	1 channel
17.	Digital Input	1 channel
18.	Digital Output	1 channel
19.	Network	10/ 100/ 1000 Base-T
20.	Protocol	TCP/IP, UDP/IP, HTTP, RTSP, RTCP, RTP/UDP, RTP/TCP, SNTP, mDNS, UpnP, SMTP, SOCK, IGMP, DHCP, DDNS, SSL v2/v3, IEEE802.1X,SSH
21.	Secure-Digital Memory Support	Yes
22.	Power Source	12v DC
23.	Power Over Ethernet	Support (IEE 802.3af)
24.	Operating humidity	Up to 85% RH (Non-condensing)
25.	Approved Makes	Sony, Honeywell, Pelco, Axis, Bosch

2. Supply, installation, testing and commissioning 12 Nos. of Fixed IP Camera with Vari-Focal lens

Sl.No.	Feature	Specification
1.	Image Sensor	1/3"/1/4" CCD/CMos
2.	Effective Pixels	800 X600
3.	Scanning System	2: 1 Progressive
4.	Minimum Illumination	Colour 0.3 lux F-1.4, B/w 0.5 lux F-1.4

5.	Lens	3.8-12 mm F1.2 DC Auto Iris Vari Focal
6.	Day & Night	Yes
7.	Wide Dynamic Range	Yes
8.	Compression Format	H.264, Dual Stream Configurable
9.	Number of streams	Dual Stream Configurable
10.	Resolution	D1, 2CIF, CIF, QCIF
11.	Compression FPS	25/30 fps @ D1
12.	Motion Detection	Support (DSP)
13.	Burnt -in Text (Digital)	Support(DSP)
14.	Input	1 channel
15.	Output	1 channel
16.	Digital Input	1 channel
17.	Digital Output	1 channel
18.	Network	10/ 100/ 1000 Base-T
19.	Protocol	TCP/IP, UDP/IP, HTTP, RTSP, RTCP, RTP/UDP, RTP/TCP, SNTP, mDNS, UpnP, SMTP, SOCK, IGMP, DHCP, FTP, DDNS, PPPoE,SSLv2/v3,IEEE 802.IX,SNMP,SSH, IPv6
20.	USB 2.0	Support
21.	Secure-Digital Memory Support	Yes
22.	Power Source	12v DC
23.	Power Over Ethernet	Support (IEE 802.3af)
24.	Housing	Indoor Housing (IP40)/ Outdoor Housing (IP66)
25.	Approved Makes	Sony, Honeywell, Pelco, Axis, Bosch

3. Supply, installation, testing and commissioning of 8 Nos. of High speed Dome Outdoor PTZ IP Long Range Camera

Sl. No.	Features	Specification
1.	Image Pickup Sensor	¼" Super HAD Color CCD
2.	Maximum Effective Pixels	~ 440K or better
3.	Minimum Illumination	Color 0.5 lux at 30 IRE, B/W 0.008 lux at 30 IRE
4.	Lens focal length	3.4mm – 119.4 mm or better
5.	Optical Zoom	35x or better
6.	Digital Zoom	12x Total Zoom 432 (36 X 12)
7.	Video Compression	H.264, Dual Stream Configurable
8.	Angle of View	1.73 ⁰ to 55.8 ⁰
9.	S/N ration	More than 50 dB
10.	Electronic Shutter	1 to 1/10, 000
11.	White Balance	Auto, ATW, Outdoor, manual
12.	Gain	Auto, Manual

13.	BLC	On / Off
14.	Privacy Zone Masking	On/ Off (24 zones)
15.	Advanced Image Effects	Auto Flip, Mirror image
16.	Pan	360°
17.	Tilt	-2° to 90° tilt
18.	Pan Speed	360° per Second
19.	Tilt Speed	220° per Second
20.	Present	100 Programmable
21.	Guard Tours	8 Programmable
22.	Privacy Zone	24
23.	Electronic Stabilization	Yes
24.	Secure -Digital Card Memory Support	Yes
25.	Housing	Out door (IP66)
26.	Power Source	28 – 36 VDC or 240V AC
27.	Approved Makes	Sony, Honeywell, Pelco, Axis, Bosch

4. Supply, installation, testing and commissioning of 1 No. Open Platform Video Management Software with license for 128 cameras which support 8 clients at a time

Sl.No.	Features	Specification
1.	Open Platform	Open API /SDK, Seamless integration with third party applications
2.	Multi Server and multi site video surveillance solution	Unlimited recording of Video from IP cameras
3.	Wide IP Camera and device support	Supports more than 4 IP cameras
4.	ONVIF and PSIA complaint	Supported
5.	Wide compression technology support	Supports new compression methods;MPEG 4 ASP, MxPEG and H.264, besides MJPEG and MPEG4
6.	Dual Streaming	One for live and one for recording
7.	Built in video Motion Detection	Independent of camera model and supports upto 64 cameras simultaneously per server
8.	Recording Server	Auto detect camera models during set up, unlimited number of installed cameras; simultaneous recording and live view of up to 64 cameras per server, Start recording on event, Two -way audio support, Pan, tilt, Zoom present positions up to 50 per cameras
9.	Map	Interactive, multilayered maps provide the operator with a comprehensive overview of cameras, devices and layouts of entire surveillance installation

10.	Client	Multiple computer monitor support with a main window and any number of either windowed or full screen views
11.	Approved make	Milestone
12.	OEM Certificate	Attached

5. 3 Nos. of Network video Server

Sl.No.	Description
1.	Quad Core Intel Xenon E5620 Processor (2.2 GHz min.)
2.	12 MB Level 3 cache
3.	4 GB (2 X 2 GB) PC2-5300 Fully Buffered DIMMs (DDR3- 1066). Expandable up to 144 GB with 18 DIMM Slots
4.	Embedded Dual NC326i Multifunction Gigabit NICs
5.	Smart Array p400 Controller with 512 MB BBWC cache (RAID 5). With an option of 1 GB FBWC also.
6.	Hot Plug Fully Redundant Power supply with 3 different power options available. HDD capacity will be 8 TB. The HDD should be RAID 5.
7.	Licensed Operating system compatible with Video recording and Analytics software and anti virus software should be quoted with the server
8.	256 MB professional Dual Graphic Card for expansion of monitoring screens
9.	NVIDA Dual FX 380 Graphics card for supporting high resolution images
10.	One internal TPM connector
11.	Each server shall be configured for only 40 cameras for reliability of the system
12.	Approved Make : DELL, IBM, HP

6. Supply, installation, testing and commissioning of 3 Nos. of monitoring PC

Sl.No.	Parameter	Specification
1.	CPU	Intel Dual core E5400 processor (2.7GHz, 2MB L2 Cache)
2.	Mother Board	Intel G43/ICH10 express chipset
3.	Memory	2 GB DDR3 PC31066 with DIMM slots
4.	Hard Drive	320 GB
5.	CD- Rom Drive	52 X
6.	Keyboards	USB or PS/2 Keyboard
7.	Mouse	Optical Mouse with scroll
8.	Video Card	In Built for two monitor out put
9.	Network Adapter (NIC)	Integrate3d 10/100/1000 Base -T
10.	Sound Card	In Built ALC888
11.	Graphic Card	Super VGA non interlaced graphics card capable of 1024 x 768 pixel resolution and 65K colors(or true color) with 16 MB video memory
12.	DVD writer	DVD+16x -16x, RW +8x -6x, CDW 48x

13.	Monitor	19" LCD Monitor
14.	USB	2 nos. at front panel and 6 rear
15.	Operating system	Microsoft Windows 200 nService Pack 4 Server and Professional, Microsoft Widows XP Professional Service Pack 1 and 2
16.	Security	Pad Lock support, Kensington, Lock suport and Hood sensor Support optional
17.	Power Supply	300 W 85% efficiency power supply. Energy star 5.0 qualified model
18.	Approved makes	HP/IBM/DELL

7. a) Supply and fixing of 9 Nos. of 24 port 10/100/1000 manageable PoE switch – Cisco SRW 2024P make
b) Supply and fixing of 2 Nos. of 8 port manageable PoE Switch – Cisco SRW 2008P make
c) Supply and fixing of 1 No. of 16 Port manageable poE Switch – Cisco SR W2016 make

Sl.No.	Features	Specification
1.	Switching capacity	12.8 Gbps
2.	Number of PoE ports	24/8/16
3.	Forwarding mode	Store and forward
4.	Packet Buffer Memory	1MB
5.	SDRAM for CPU	8MB
6.	Flash Memory	From 2 MB
7.	MAC Address	8K MAC Address Table
8.	IGMP snooping	Supports 64 multicast groups, support default flooding for non joined multicast traffic
9.	802.1D spanning Tree	Supports per device STP & BPDU forwarding
10.	Static Port Trunk	Supports max 6 groups per device and 8 port per groups
11.	Flow control	Enabled and disabled
12.	Port Mirroring	Supports one-to-one or many-to-one port mirroring
13.	802.1Q	Supports 256 static VLAN groups
14.	VLAN Group	Be able to configure VID from 1 – 4094
15.	802.1p support	4 Queues
16.	802.1x port-based Access control	Default 802.1x forwarding
17.	Broadcast storm Control	Allow specifying the per device threshold in terms of 8Kb – 4096Kbper second
18.	Static MAC	Support 256 Static MAC entries
19.	Web-based GUI	Compatible with IE, Netscape, Mozilla, Firefox, Opera, Safari browsers

20.	SNMP v1	Configurable community setting, SNMP Trap
21.	DHCP client	Supports DHCP IP address for System Interface
22.	802.lab LLDP	Enabled and disabled
23.	Switch Discovery	Up to 256 agents / switches
24.	Port Setting	Can set speed, Duplex mode, Flow Control
25.	Configuration Backup/Restore	Via Web GUI
26.	Reboot	Via Web GUI
27.	Ports	24
28.	Combo Ports	4 (10/100/1000 Base – T)
29.	Open Slot for 10 Gigabit Uplink modules	3
30.	Stacking Speed (per Port)	20 Gbps (Full – Duplex)
31.	No. of units per stack	12
32.	Switch Fabric	108 Gbps
33.	Power Consumption(maximum)	77 watts
34.	L2 Features	IGMP snooping v1, v2 .1K IGMP snooping groups .64 Static Multi Address spanning Tree .802.ID STP .802.1wRSTP .802.1s MSTP .STP Loopback Detection .BPDU Filteringg per port and per Device Trunking Across Stack .1K MLD Snooping Groups .64 Static Multicast Addresses 802.3ad Link Aggreation .Up to 32 Groups per Device .Up to 8 Gigabit Ports or 2-10-Gigabit ports per group Port Mirroring .one-to-one Mode .Many-to-one Mode .Per Flow (ACL) Mode

8. Supply and installation of 1 No. of Joy Stick Controller

9. Supply and installation of 1 No. of 5 KVA on line UPS with 1 hour backup with 40AH 10 Tubular Batteries – Approved make :
Hykon/APC

10. Supply and installation of 6 Nos. of 32" LCD TV – Approved make :
Sony, Samsung

11. Supply and laying of 6000 metres of 4 pair Cat UTP cable through
PVC Conduits - Approved make : AMP or equivalent

12. Supply and fixing 25 mm PVC conduits with special confirming to the
ISI standards on surface using suitable size GI/painted MS saddles
spacing not exceeding 60 cm including making good the damage,
colour washing etc. as required – Approved Make: Precision or
equivalent.

13. Supply and fixing of 8 Nos. of 6U wall mount rack

1. The tenders should be addressed to the Registrar (Administration) High Court of Kerala, Ernakulam in a sealed cover with the Tender number and name duly superscribed on the cover.

2. The tenders should be in the prescribed form which can be obtained from the J-Section, High Court of Kerala on payment of ₹.1040/- (Rupees One Thousand and Forty only), inclusive of VAT in the Account Section, High Court. Duplicate copies of tender forms will also be issued for ₹.520/-, inclusive of VAT. The cost of tender forms once paid will not be refunded. Tenders which are not in the prescribed form are liable to be rejected. The rates quoted should be only in Indian currency. The tender in any other currency are liable to rejection.

3. Sale of tender forms will be closed at 3 PM on 30.11.2011

4. Tender forms should reach the Registrar (Administration), High Court of Kerala, Ernakulam on or before 2 PM on 01.12.2011.

5. The tenders will be opened at 3 PM on 01.12.2011 in the Office of the Registrar (Administration), High Court, in the presence of such of those tenderers or their nominees who may be present at that time. If the day happens to be a holiday on the very next working day at 3 Pm.

6. The tender forms are not transferable.

7. Every tenderer should send along with his tender, an earnest money equivalent to 1% of the tendered amount. The amount may be paid by demand draft drawn in favour of the Registrar (Administration), High Court (crossed on the local branch of the State Bank of Travancore/State Bank of India). Cheques will not be accepted. The earnest money deposit by the unsuccessful tenderers will be returned as soon as possible after the tenders are settled, but that of the successful tenderers will be adjusted towards the security that will have to be deposited for the satisfactory fulfilment of the contract. No interest will be paid for the earnest money deposited. The registered firms will have to quote invariably in every tender they submit the registration number assigned to them by the Store Purchase Department.

8. The finalization of tenders shall be made in accordance to the demonstrations, upon the rates quoted and according to the after sale service offered for the machines. The Registrar (Administration) have all rights to reject a tender without giving any reasons.

9. The quoted rate shall be kept firm till 31.3.2013.

10. The rates quoted are subject to negotiation.

11. The tenderers have to provide after sale Comprehensive Maintenance and Service for the proper up keep of the items supplied.

12. The successful tenderer shall have to deposit an amount equivalent to 5% of the rate quoted by them as security deposit.

13. The tenders have to specify the guarantee and warranty conditions for the items.

14. The tenderers have to supply, install, test and commission the IP Based Surveillance System in the High Court Complex at their own cost on or before 31.3.2012.

15. Relevant Government rules and orders, provisions of Kerala Financial Code and Store Purchase Manual will be applicable to this tender, unless otherwise expressly provided.

JOHNY K. PAUL
REGISTRAR (ADMINISTRATION)

Copy to:-

1. The Director, Public Relations, Thiruvananthapuram (10 copies)
2. The Public Relations Officer, High Court
3. The District Information Officer, Ernakulam (5 copies)
4. The Finance Officer, High Court
5. The Accountant, High Court
6. The Accounts -I Section, High Court (for necessary action)
6. The Notice Boards, High Court
7. The file.

WINDOW ADVERTISEMENT

Department : High Court of Kerala, Ernakulam
Tender No. : J1(B)- 78304/2007, dated 31.10.2011
Office Address : Registrar (Administration), High Court of
Kerala, Ernakulam.

Purpose : Supply, Installation, Testing and
Commissioning of fool proof I.P based
CCTV Surveillance System in the High
Court Complex

Last date and time for
the sale of Tender forms : 30.11.2011, 3 PM

Last date and time of
receipt of Tender forms : 01.12.2011, 2 PM (If holiday the very next
day)

Tender opening
date and time : 01.12.2011, 3 PM (If holiday the very next
day)

Earnest Money Deposit : 1% of the tendered amount

Cost of Tender Form : ₹ 1040/- (Inclusive of VAT)

Cost of duplicate copy : ₹ 520/- (Inclusive of VAT)