



KAKINADA MUNICIPAL CORPORATION

Short Tender Notice Roc No:5491/2016 - E4

TENDER SCHEDULE

For

**Supply and installation of "NVR based CC Cameras"
in
Government General Hospital, Kakinada**

Date of Tender Schedule issued from	:	21.06.2016
Last date for receipt of Tender Schedule	:	25.06.2016 upto 4.00PM
Date of opening of Tender Box	:	25.06.2016 at 4.30PM

Name & Address of the Firm :

Person Authorised

Phone

Mail ID

- 1) EMD Rs.50,000/-(Rupees fifty thousand only) in the shape of Demand Draft drawn in favour of "Commissioner, Municipal Corporation, Kakinada".

Demand Draft No.& Date	:	
Name of the Bank	:	
Amount	:	

Note: 1) Every firm has to submit the two tender forms

i) Technical Bid Form – A

ii) Financial Bid Form – B

**(Financial and Technical Proposals are to be submitted in separate sealed envelopes
and then enclosed in a single wax-sealed envelope)**

- 2) Only after qualified in technical form verification, the firm is eligible to open their financial bid.
3) Rates should be quoted for each item in figures and words
4) Participants are required to show the sample item to the Commissioner, Municipal Corporation, Kakinada or their authorised person, failing which the tender will be disqualified and rejected.
5) For other terms/conditions please go through this tender form.

TECHNICAL BID FORM – A

ELIGIBILITY CRITERIA:

Kakinada Municipal Corporation intends to install C C Cameras at Government Hospital, Kakinada. The bidder shall meet the following criteria for bidding.

1. Should have registered with GOAP
2. Should have three years experience in C C Cameras installation in any Government agency/ ULB/ PSUs.
3. Should have VAT registration
4. Should have a minimum turnover of Rs.20.00lakhs in any one financial year during last three years i.e. 2015-16, 2014-15 & 2013-14.

Documents to be submitted with Technical Bid (Mandatory):

1. Copy of Firm registration
2. Copies of documents regarding minimum three years of experience in CC Cameras installation obtained from any Government agency/ ULB/ PSUs
3. Copy of VAT registration
4. Audited financial statements / Certificate obtained from Chartered Accountant for the last three financial years i.e. 2015-16, 2014-15 & 2013-14
5. Broachers with specifications of proposed equipment.
6. Demand Draft towards EMD of Rs.50,000/-

TECHNICAL SPECIFICATIONS:-

NVR 32/16 Channel:

32/16 Ch. with 1080p Real time Live View, H.264/MJPEG dual code decoding, Up to 5Mp resolution preview & play back, Max 200 Mbps incoming bandwidth, Support 4 SATA HDDs up to 8TB, 2 USB 2.0, HDMI / VGA simultaneous video output, Support Multi-brand network Cameras, ONVIF Version 2.3 conformance, CMS Software, Mobile Software: Supports iPhone, Android, Windows.

Specification:-

- Processor Dual-core embedded processor
- Operating System Embedded LINUX
- IP Camera Input 32/16 channel
- Two-way Talk1 channel Input, 1 channel Output, RCA
- User Interface GUI
- Video Output HDMI, 1 VGA
- Compression H.264/ MJPEG
- Video Resolution 2560 x 1920, 2048 x 1536, 1920 x 1080, 1280 x 1024, 1280 x 720, 1024 X 768
- Video Recording Max 128 Mbps
- Video Display Split 1/4/89/16

- Motion Detection MD Zones: 396 (22x18)
- Video Loss Support
- Camera Blank Supports
- Alarm Input4 channel
- Alarm Output2 channel
- Hard Disk 4 SATA ports, up to 8TB, Raid (Redundancy)
- Trigger Events Recording, PTZ, Tour, Alarm, Video Push, Email, FTP, Spot, Buzzer&Screen
- Recording Mode Manual, Schedule (Regular (Continuous), MD, Alarm), Stop.
- Search Mode Time/Date, Alarm, MD & Exact search (accurate to second), Smart search.
- Play back Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera Full screen, Repeat, Shuffle, Backup selection, Digital zoom.
- Backup Mode USB Device / Internal SAT burner / Net work
- Interface Ports1 HDMI, 1 VGA, 2 USB2.0, 1 RS485, 1 RS232, 1 RJ45
- Record Interval1 - 120min (default: 60 min), Pre-record:1-30 sec, Post-record:10- 300 se
- Max User Account 128 users
- Smart Phone iPhone, iPad, Android, Windows Phone
- Protocols HTTP, TCP/IP, 1Pv4/1Pv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP,DNS, IP Filter, PPPOE,DDNS, FTP, Alarm Server, ONVIF Version 2.3
- Ethernet 1 RJ-45 port (10/1 OOM/1 OOOM)
- Power Supply DC 12V/4A
- Power Consumption 20 W (without HOD)
- Working Temp-10 +55° C /10-90%RH /86-106kpa
- 1 Dimensions 375mmx285mmx50mm

Network Cameras:-

%.8"2.0 Mega pixel PS CMOS Image Sensor, Max 25/30fps@1080P, DWDR,

Day/Night (ICR), 3DNR, AWB, AGC, BLC, Max 25fps@1080P Resolution, 3.6mm fixed lens(6mm optional), IR Range of 40 Mtrs, IP67, PoE Software: Mobile Clint & CMS (Windows 7,8,10, Mac OS) dual-stream encoding, Smart Detection supported.

Specification :-

- Image Sensor %.8" 2.0 Megapixel Progressive scam CMOS
- Minimum Illumination 0.01 Lux/F2.0 (Color), 0 Lux/F2.0 (IR on)
- Shutter Speed Auto/Manual, 1/3(4)-1/10000s
- Lens 3.6mm (6mm optional)
- Power Source DC12V, poE (802.3 af)
- Power Consumption Max 5 W
- Weather proof Standard IP67
- Operating Temperature-40 ° C + 60 °C, Less than 95% RH

- Dimension 70mm x 70mm x 180mm
- Weight 0.4 kg (0.528kg with packaging)
- Video Streaming Main Stream: 1080P/720p(1-25/30fps), Extra Stream:D1/CIF (1-25/30fps), Third Stream 720P (1-13/4fps)
- ICR Auto (ICR)/Color/B/W
- IR Range of 20-30 Mtr
- White Balance Auto/Manual
- Back Light Compensation BLC/HLC/DWDR
- S/R Ratio More Than 50dB
- Resolution 1080P (1920x1080)/720P (1280x720) /D1 (576/704x480)/CIF (352x288/352x249)
- Protocol1 1Pv4/1Pv6,HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS,PPPOE, DONS, FTP, IP Filter, QoS, Bonjour, ONVIF, PSIA, CGI.
- Ethernet RJ-45 (10/1 OOBBase-T)
- Smart Phone iPhone, iPad, Android, Windows Phone
- User Account20 Users
- Privacy Mask Up to 4 areas

HDD 4TB:-

Series	Surveillance HOD (WD Purple/Seagate SV 35)
Item Height	26 Millimeters
Item Width	101 Millimeters
Item Weight	600-750 g
Product Dimensions	14.7 x 10.16 x 2.6 cm
RAM Size	4 TB
Computer Memory Type	72-Pin EDO SIMM Memory
Hard Drive Size	4096 GB
Hard Drive Interface	Serial ATA

POWER SUPPLY: -

12v /10 AMP POWERN FOR SUPPLY FOR 20 COLOUR DOME CAMERAS, OR 12 NIGHT VISION CAMERAS DOME CAMERAS, OR 12 NIGHT VISION CAMERAS.

NETWORK POE SWITCH: -

DGS-1210-52-48 10110011008Base-T ports + 4 100/1000 SFP ports Web POE Smart Switch.

COMMAND CONTROL CENTRE:-

Establish a Command control centre (Digital wall or 4 32inc LED TVs) in GGH for view and control security issues and a monitor (32inc LED TV) in Collector office where all the cameras should be rolled in series

FIBER OPTIC CABLE: 12F

Terms & Conditions of Tender:-

01) Every firm has to submit the Two (02) forms i.e.,

(A) Technical Bid Form (B) Financial Bid Form.

Financial and Technical Bids are to be submitted in separate sealed envelopes and then enclosed in a single wax-sealed envelope. Financial and Technical Bids should be clearly marked '**FINANCIAL BID or TECHNICAL BID**' for 'Supply and installation of NVR based C C Cameras in Government General Hospital, Kakinada'

02) If the Tenderer / Firm qualified in Technical Bid then only he will be allowed to open their Financial Bid.

03) Every firm has to file the copy of the, VAT Certificate and Income Tax Clearance Certificate for last three years without any late submits, along with E.M.D. amount at Rs.50,000/- (Rupees Fifty thousand. only) in favour of Commissioner, Municipal Corporation, Kakinada in the shape of Demand Draft only.

04) The successful bidder has to install the CC Cameras locations fixed by the Superintendent, Government General Hospital, Kakinada.

05) The materials should be supplied as per the specifications approved by the Commissioner, Municipal Corporation, Kakinada.

06) The warranty period is for two (2) years. After warranty period, Annual maintenance will be governed for a period of three (3) years. The bidder has to quote the annual maintenance amount in the financial bid.

07) EMD will be returned after completion of successful maintenance period.

08) If any deviation noticed by the Commissioner, Municipal Corporation, Kakinada in supplied material with reference to the samples, the complete material will be rejected and no correspondence will be entertained with the Firms/Contractors.

09) Beside the above, the E.M.D. amount will not be returned to such tenderers firms abide the action taken by the Commissioner, Municipal Corporation, Kakinada.

10) If any tenderer / firm did not supply the material within the stipulated time, this indent will be cancelled duly forfeiting the EMD paid by them.

11) No advance will be given to the firm and full payment will be released only on receipt of the quality check certificate from the 3rd party quality assurance team for finished item of work.

12) The Commissioner, Municipal Corporation, Kakinada is having right to enhance/reduce the No. of items required subject to availability of budget and local requirement.

13) If only single tender filled and found excess rates quoted for any item, it will be automatically cancelled and ordered for re-tenders.

14) Every tenderer / firm shall furnish Sample items before the Commissioner, Municipal Corporation, Kakinada for each item for verification and it will be preserved for checking at the time of supply of the material by the firm.

15) The last date for receipt of Tender forms (Technical & Financial) 25-06-2016 (4.00 PM) in the office of the Commissioner, Municipal Corporation, Kakinada.

16) Payment will be made only after receipt of the satisfactory certificate from the concerned Engineering Staff of Municipal Corporation, Kakinada.

17) All the disputes in the matter if any the decision of the Commissioner, Municipal Corporation, Kakinada is final.

18) The Commissioner, Municipal Corporation, Kakinada has right to accept or reject all the bids filed by the Firms / Contractors at any time before finalising the Tender.

19) The firm stands lowest they shall establish full pledged office in Kakinada City within 15 days after issue of LOA.

Opening of Tender Box: Date 25.06-2016 Time 04.30 PM(In the Office of the Commissioner, Municipal Corporation, Kakinada)

(i) Date & Time of sealed covers

to be opened : 25.06-2016 Time 04.30 PM

(ii) Venue of Tenders opened : Office of the Commissioner, Municipal Corporation, Kakinada

Locations of fixing CC Cameras in Government General Hospital, Kakinada

SI No	Ward	Location	Quantity	Type of Camera
01	Casualty	Non MLC	01	
02		MLC	01	
03		Entrance	01	
04		Corridor & X-Ray	03	
05		Out side	01	PTZ
06	Casualty Main Gate	Triveni Medicals top	02	High Resolution
07	Center Gate	Jana aushadhi	02	High Resolution
08	Main Gate	LR	02	High Resolution
09	OP Block	Op counter & step	04	
10		Medical OP Corridor	02	
11		Ortho OP	05	
12		Surgery OP		
13		Radiology		
14		Blood Bank	02	
15		OP no-06	04	
16			Supdt corridor	05
17	Gyneac Block	LR Entrance	02	High Resolution
18		LR Corridor	02	High Resolution
19		LR Waiting	02	High Resolution
20	ICU's	RICU-I	01	
21		RICU-II	01	
22		AMCU-I	02	
23		AMCU-II	01	
24		PICU	02	
25	ENT Ward		01	
26	Ophthalmic ward		01	
27	OT's	Ortho OT	01	
28		EOT	01	
29		TOT	01	
30		GOT	01	

31	Surgery Ward	Entrance	01	PTZ
	Surgery	corridor	02	
32	Medical Ward	Entrance	01	PTZ
33	Oxygen Plant		01	
34	Laundry		01	
	Laundry Gate		01	
35	Doctors Car Parking		01	
35	MDC's, New OP		04	
36	2 wheeler Parking		02	1 pole
37	Prisoners ward outside		01	
38	Isolation ward outside		01	
39	Family Planning out		01	
40	SRMT waiting area		03	
41	Physiotherapy corner		02	High Resolution
42	Janmabhoomisatram		02	
43	Cancer OP area		01	
	Cancer Gate Entrance		01	
44	Neuro surgery ward		02	
45	24hrs central Lab out		01	PTZ, 1 pole
46	Forensic block outside		01	High Resolution
47	ART OP		01	
48	ART corner		01	
49	Workshop	outside	02	
		Total Cameras	88 No's	

Note: Total no of cameras -- 88 + Buffer 2 cameras -- 90 Cameras

FINANCIAL BID FORM – B**OFFICE OF THE COMMISSIONER, MUNICIPAL CORPORATION, KAKINADA****Short Tender Notice No.5491/2016-E4****supply and installation of “NVR based CC Cameras 88 Nos.” in Government General Hospital, Kakinada**

Date of Tender Schedule issued from : Down load from website

Last date for receipt of Tender Schedule : 25.06.2016 upto 4.00 PM

Date of opening of Tender Box : 25.06.2016 at 4.30 PM

Name & Address of the Firm :
Phone

EMD particulars Rs.50,000/-(Rupees fifty thousand only)

Demand Draft No.& Date :

Name of the Bank :

Amount :

Total Cost of the Items ;

<i>S.No</i>	<i>Description</i>	<i>Quantity</i>	<i>Unit Price in figures</i>	<i>Unit Price in words</i>	<i>Total Cost in figures</i>
01	HD I/R IN DOOR DOME CAMERA 2.MP H /1080 Resolution 3.6mm Fixed Lens, IR Led Range upto 15 to 20mtr Make: HIKVISION Model:DS-2CE16DOT-IRP	67			
02	HD I/R BULLET CAMERA 2.MP H /1080 Resolution 3.6mm Fixed Lens, IR Led Range upto 15 to 20mtr Make: HIKVISION Model:DS-2CE56DOT-IRP	17			
	HD I/R SPEED DOME PTZ CAMERA 1.3.MP H / 23X OPTICAL ZOOM IR Led Range upto 15 to 20mtr Make: HIKVISION Model:DS-2AES123TI-A including SMPS &Fixiater	04			
03	PTZ Cameras Iron Poles (with Power Box)	04			

S.No	Description	Quantity	Unit Price in figures	Unit Price in words	Total Cost in figures
04	04Ch DIGIITAL HD VIDEO RECORDER TURBO HD 2.MP/1080p Resolution With Out Hard Disk. HDD 6TB Capacity Make: HIKVISION Model:DS-7204HGHI-F2	05			
05	08Ch DIGIITAL HD VIDEO RECORDER TURBO HD 2.MP/1080p Resolution With Out Hard Disk. HDD 6TB Capacity Make: HIKVISION Model:DS-7208HGHI-F2	07			
06	16Ch DIGIITAL HD VIDEO RECORDER TURBO HD 2.MP/1080p Resolution With Out Hard Disk. HDD 6TB Capacity Make: HIKVISION Model:DS-7216HGHI-F2	02			
07	HARD DISC 2 TB SURVEILLANCE SUPPORTING MODEL Minimal hard disc requirement for 4 & 8 Ch. DVR – Footage storage duration to a Maximum time frame of 7-10 days (as the HD files occupy more space than analogue)	12			
08	HARD DISC 4 TB SURVEILLANCE SUPPORTING MODEL Minimal hard disc requirement for 16 Ch. DVR – Footage storage duration to a Maximum time frame of 7-10 days (as the HD files occupy more space than analogue)	02			
09	Cable : 3+1 Leads Copper Make : Surabhi / Hitech (with Conduits, Labour and other Accessories) Actual running Cable will be considered for calculation purpose after completion of work	5000Mtrs			
10	Power Supply Unit for 4 Ch. DVR	05			
11	Power Supply Unit for 8 Ch. DVR	07			
12	Power Supply Unit for 16 Ch. DVR	02			
13	Copper BNC & Power Pins (Make : Max)	180			
14	32 inc Smart LED TVs	05			
15	Cams and other all equipments installation and commissioning including successful trial run	1 Job			
16	AMC from the date of completion of warranty period of Two(2) years.	3 Years			

Date:

Place: