

TERMS & CONDITIONS FOR INSTALLATION OF CCTV

We are planning for installation of CCTV with 4 cameras in Proposed Greenfield stadium at Kariavattom, Trivandrum in connection with National Games site **Surveillance with** a back up of minimum 30 days.

1. Tenderer may visit the site before quoting for ascertaining the exact nature of Work, its quantity, location etc.
2. Subject work should be done as directed by National Games authorities.
3. The rates quoted should be inclusive of cost of materials, labour charges and all taxes.
4. All material should be as specified / approved make. Original product bills have to be submitted.
5. Rates shall be quoted in words as well as figures.
6. Tenders received after 13hrs (IST), 17th AUGUST 2012 will not be considered.
7. The bid must be complete in all respects and sealed in covers. The DD for the EMD should be enclosed in the cover of bid, or else the bid will be rejected.
8. The EMD will be returned back to unsuccessful bidders within a period of one month. The EMD of the successful bidder will be also be returned but only after the completion of work and submission of required Bank Guarantee in terms of clause no. 10.
9. The National Games Secretariat reserves the right to award the work in full or in parts or cancel the tender without assigning any reason whatsoever.

10. Submission of **BANK Guarantee/ PERFORMANCE SECURITY:**

The Vendor has to submit a performance security for 10% (Ten percent) of the Contract Value in the form of Bank Guarantee, valid till the end of warranty period (plus an additional grace period of 3 months) in the prescribed format within 10 days of receipt of the order.

11. TERMS OF PAYMENT:

The payment will be made by The Chief Executive Officer, National Games Secretariat, Chandra sekharan Nair Stadium Palayam, Trivandrum only after satisfactory supply, installation & commissioning of CCTV and submission of the following documents:

a) 2 copies of the Supplier's invoice showing Contract No, Goods description, quantity, unit price, total amount, Serial Nos. of the system/s.

b) Delivery note signed by consignee or acknowledgement of receipt of goods from the consignee;

c) Manufacturer's/Supplier's Warranty certificate;

d) Inspection certificate issued by the nominated inspection agency; and the Supplier's factory inspection report;

e) Delivery of Software Licenses (Media and Paper Licenses)

12. WARRANTY:

Warranty for the entire CCTV System including online UPS and Batteries shall be for a period of 12 months from the date of installation and shall include free maintenance service, free provision of spare parts, kits, as and when necessary from the date of commissioning and acceptance. This condition shall also apply towards the system software delivery by you along with the system.

13. MAINTENANCE SERVICE:

The vendor will provide to the NGS 12 (Twelve) months free maintenance service from the date of installation and such service include repair and replacement of all kits or parts and spares as and when required.

14. The work should be completed within 7 days from the date of receipt of our order.

15. The supplier should have service back-up in Trivandrum.

16. **Important Clause:** It will be the sole responsibility of the successful bidder to design, supply all the material required for successful completion of the work, erect them as per our requirement and commissioning the same. The entire system shall be tested and the same will be taken over by NGS.

17. Duplicate copy of this order may please be returned to the undersigned along with your acknowledgement thereto, signifying the acceptance by you of the purchase order and its terms and condition within 03 days.

Signature of Authorized Representative of the company and seal of the company

Technical specifications

1. IR Cameras

Image Sensor	1/3" Super HAD CCD
Effective pixels	752 (H) x 582 (V) appx. (440,000 pixels)
Resolution	600 TV lines or better
Lens	4 to 8 mm varifocal
Minimum illumination	0.1 Lux or F 2.0 –IR – ON -0 Lux
S/N Ratio	More than 48 db
Electronic shutter	1/50 to 1/110000 sec
Gamma	0.45
B L C	Auto
White balance	3200 k to 9200 k
Gain control	Auto
LED Spectrum	850 nm X 48 pcs – LED – 15 mts
Sync system	Internal
Video output	Composite video 1.0 vp – p/75 ohm
Power supply	12 v
Certification	UL/ CE/ FCC (Any two or more)
Acceptable make	(Sony Chip/Sony/Samsung/Yoko, Avtech/HIK VISION/Sanyo make)

2. Standalone DVR

Make of System	(AVETECH/DAHUA/TVT make)		
Main processor	Embedded XP OS / Linux OS		
System resources Pentaplex function:	live, recording, playback, backup & remote access		
User interface	User friendly GUI.		
Video system	Video system PAL / NTSC		
Video compression format	Video compression format H.264		
Video input	Video input 8 Channel composite BNC		
Video Recording Resolution	Format	NTSC	PAL
	D1(4CIF)	704x480	704x576

Display / Recording resolution	Real time for all channels @ 25 fps per channel
Hard Disk	Video surveillance HDDs to support storage of video images for a minimum period of 30 days Should be supplied with 2 TB Hard Disk with provision for 3 additional ports.
Recording mode	Automatic, Continuous, video detection alarm (motion detection, camera blank, video loss)
Motion Detection	Should support multi-zone motion detection
USB interface	Minimum 2 ports
Software up gradation	Should have facility for software up gradation
Remote viewing	Remote viewing through Network & WEB
Password protection	Multiple password protection
Indication of faults	Should give visual indication of local faults, Disk full, Malfunction etc., along with alarm through Audio, SMS & e-mail.
Backup mode	Flash disk / USB HDD / USB CD/DVD-RW / built in SATA burner.
Monitor	Should support 2 monitors (Spot & VGA)
Network	Should be supplied along with all Network Accessories (Hub /Switch & LAN cables)
Quality Certification	UL/CE/FCC (Two out of Three)

3. Configuration for Monitor - LCD 20"/21" Monitor

Aspect ratio	4:3 – 20"/21" Viewable diagonal area
Active area / Pixel pitch	408.24 (H) X 306.18 (V)
Native resolution / Colour	1400 (H) X 1050 (V)
Brightness / contrast	300 gd / m
Type	1000:1
Response time	Lesser than millisecond
Viewing angle (Typical)	H 170 V 160
Video input	NTSC / PAL
PC System	Signal Analog RGB (0.7/1.0 vp-p 75 ohm)
Acceptable make	Samsung/HCL/LG
Input terminals	1 X VGA(Video Graphic Array), 1 X S Video, 1 X DC Power plug, 1 X BNC

4. Cost of Inverter/UPS of adequate capacity & of reputed make acceptable to the NGS providing minimum 70 hours back up to run the CCTV Set up installed should be quoted separately. Please quote the cost of Inverter/UPS and Battery separately.

5. RG 6 Co-axial unarmoured video/Cat 6 cable – reputed brand (with ISI certification) that should be acceptable to NGS.

6. 3 core copper conductor, 3 X 1.0 sq mm power cable of ISI make for cameras.

7. SMPS Power supply for cameras.

8. PVC pipe (ISI make)

Signature of Authorized Representative of the company and seal of the company

National Games Secretariat

BID FORMAT

1. IR Cameras

IR Cameras	Details &description of items to be supplied
Image Sensor	
Effective pixels	
Resolution	
Lens	
Minimum illumination	
S/N Ratio	
Electronic shutter	
Gamma	
B L C	
White balance	
Gain control	
LED Spectrum	
Sync system	
Video output	
Power supply	
Certification	
Acceptable make	

2. Standalone DVR

Make of System	
Main processor	
System resources Pentaplex function:	
User interface	
Video system	
Video compression format	
Video input	
Video Recording Resolution	
Display / Recording resolution	
Hard Disk	
Recording mode	
Motion Detection	

USB interface	
Software up gradation	
Remote viewing	
Password protection	
Indication of faults	
Backup mode	
Monitor	
Network	
Quality Certification	

3. Configuration for Monitor - LCD 20"/21" Monitor

Aspect ratio	
Active area / Pixel pitch	
Native resolution / Colour	
Brightness / contrast	
Type	
Response time	
Viewing angle (Typical)	
Video input	
PC System	
Acceptable make	
Input terminals	

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