



CENTRAL BOARD OF SECONDARY EDUCATION

(An Autonomous Organization under the Union Ministry of Human Resource Development, Govt. of India)
(CENTRAL TEACHER ELIGIBILITY TEST)

(PS-1-2, Patparganj Institutional Area, I.P. Extension, Delhi – 110092)

No.CTET/Admn/CCTV/2014/

Dated : 25.09.2014

TENDER NOTICE

Sealed Tenders are invited from reputed suppliers/firms/agencies for installation of CCTV Monitoring Systems in CTET Unit, CBSE, RO Delhi Building, Patparganj, Delhi-110092. The value of the contract has been estimated as approx. Rs.2.5 Lakhs.

Reputed agencies with minimum 5 years experience and having executed two (2) similar works each costing Rs. 2.50 lakh or more in reputed organizations need apply. Interested agencies may obtain all the tender documents downloaded from the CBSE's website at www.cbse.nic.in. The Tender Form shall be deposited along with all requisite documents and Bank Draft of EMD of Rs.20,000/- in favour of the Secretary, CBSE, Preet Vihar, Delhi.

Tender in the prescribed form duly filled in signed and stamped in a sealed cover superscripted on it "TENDER FOR INSTALLATION OF CCTV MONITORING SYSTEMS IN CTET UNIT, CBSE, PATPARGANJ, DELHI" shall be placed in the tender box kept at ground floor CBSE, PS-1-2, Patparganj Institutional Area, I.P. Extension, Delhi – 110 092 on or before **06.10.2014** by **2:30 PM** which shall be opened on the same day i.e. **06.10.2014** at **3.00 PM** in the office of Assistant Secretary(Admn & A/cs), CTET Unit, CBSE, Patparganj, Delhi at 1st Floor. Incomplete/conditional tender without earnest money or received after due date and time shall be summarily rejected.

The Secretary, CBSE, Delhi reserves the right to accept or reject any or all the tenders without assigning any reason.

(SHIKHA TOMAR)

ASSISTANT SECRETARY (ADMN & A/CS)

CENTRAL BOARD OF SECONDARY EDUCATION

TECHNICAL BID

Last date of submission :
06.10.2014 Upto 2:30 PM

Name of work : Limited Tenders for S.I.T.C of CCTV Monitoring Systems for CTET Unit RO Delhi Building.

1. Credentials of the Tenderers

1.1 Name of the Agency with
Regn. No.

1.2 Office Address and
Tel. No.

1.3 Name(s) of the Proprietor/
Partners

1.4 PAN No.

(with documentary evidence)

2. Past Experience (preferable last three years).....

With all necessary documentary evidence.....

SL. Nos.	Year	Name of the Organization	Cost of the work (executed)	Officers Concd. In the Organization with T.No.	Period From
01.					

2.4 Particulars of Demand Drafts annexed as Earnest

Money & Cost of tender

Amount :

DD Nos. :

Issuing Bank with date of issue :

(Signature of the tenderer)

With complete address and seal

Tel. No. :

Mobile No.:

Place :

Date :

Technical specification

1. Dome Indoor IR CCTV Camera

Type	Very High Resolution Day & Night Camera Samsung, Honeywell or Any where equivalent Brand
Lens	1/3" CCD Sony CCD Sensor
Signal System	530TV lines or better
Video Output	1-Vp-p/75Ω
Sensitivity	0.1 Lux (F 1.2) or better
S/N Ratio	56db or better
Power	12V±10% (for rough power conditions)
Lens	3.6mm fixed Lens, Auto iris,
Iris Drive	DC (Must have the IRIS Control for different light condition)
Flickerless	Yes (Camera Flickering in front of light source will not be accepted)
Day & Night	Auto/manual, (dip Switch Settings)
Back Light Compensation	Auto/manual, (dip Switch Settings)
White Balance	Auto/manual, (dip Switch Settings)

Box Camera is quoted it should be quoted with suitable housing and stand for indoor application, all specs are same as above, except lens will be vari-focal 3.8mm-12mm

Acceptable brands

Samsung, Pelco, Honeywell, Bosch, Panasonic, GE.

2. Indoor Speed Dome Camera

Type	Very High Resolution Day & Night Speed Dome Camera
Sensor	1/3" or 1/4" Interline CCD, WDR Camera
Signal System	600 TV lines or better
Optical Zoom	10X (3mm to 30mm or more)
Digital Zoom	10X or more
Protocol support	PELCO-D, Panasonic, Vicon, Honeywell,

	(Multiple protocol)
Video Output	1-Vp-p/75 Ω
Sensitivity	0.1 Lux
Motion Detection	On / Off selectable
Preset Positions	128 or more
Rotation Angle	Pan : 300° or more, Tilt : -0° ~ -180°
Focus Control	Auto / Manual
Communication	RS-485, RS-422, RS-232C, TCP/IP
Operating Temperature	0° ~ +50°C
Day & Night	Auto/manual, User Selectable
Back Light Compensation	Auto/manual, User Selectable
White Balance	Auto/manual, user Selectable
Power Supply	Included
Housing and Bracket	Indoor housing with bracket and cable
	Management

Note: Separate PAN, TILT and Zoom Camera configuration is not acceptable, hence should not be quoted.

Acceptable brands

Honeywell, Panasonic, Samsung, Pelco, Bosch

3. **Digital Video Recorder**

Video input	16 channels
Video output	BNC/composite/RC/VGA (only VGA input is not accepted)
Compression	H.264
Resolution	CIF to 4CIF (PAL) , should be selectable.
Display Rate	Min 400 fps (PAL) ,
Recording rate	Min 400 fps (PAL) ,
Dual Streaming	Yes (Must have Dual Streaming)

Play back	Simultaneous 1/4/8/16 (only Single Channel playback is not acceptable)
Recording bit rate	variable upto 1Mbps
Recording mode	Manual/scheduled
Hard disk capacity	1 TB
Expandability	Provision for additional hard disks to be Support , upto 4TB
Redundancy recording	Yes
Recording Time Period	Not less 5
Remote Network Support	Remote query, playback and download video files,
Network Protocols	TCP/IP, PPPoE, DHCP, DNS, DDNS, NTP,
Communication	TCP/IP, RS-485, RS-232
Remote operation	TCP/IP, inbuilt web server, Remote software included.
Operating Temperature	0 deg to 50 deg
Power	230VAC

Acceptable brands

Samsung, Honeywell, Hikivision, Panasonic,

4. LCD22"

Type	LCD
Video input	Must have Composite Video Input, (LCD/TFT having only VGA input will not be accepted and will be Summarily rejected), HDMI Support
Size	22 inches or more
Contrast Ratio	5,000:1 or better
Brightness	min 300cd/m ²
View Angle	160H/V or more
Resolution	1680 X 1050 or more
Response Time	5 ms or less

Stand

Wall mount or table top, included

Power

230V AC

Acceptable brands

Samsung, Honeywell, LG, SONY, PANASONIC.

5. Power Supply

Type

SMPS power supply

Input

230V± 10%

Output

12± 10%

Amp Rating

3 Amp

Switching time

≤ 10ms

6. Cables

(a) Video cable

3+1 solid copper

Acceptable brands :

D-Link, kalinga, Anchor

7. Conduit

(a) Conduit/channel

¾ /1" PVC Conduit

Acceptable Brands :

AKG, Setia/Polycab/other equivalent ISI Marked

Schedule of work

“Price-Bid”

Name of work: S.I.T.C of CCTV Monitoring Systems for CTET Unit RO Delhi Building.

S.No.	Description of item	Qty.	Unit	Rate	Amount
1	H.264 compression 16ch DVR with 16 video input,1ch audio input (RCA),2SATA HDD support,USB 2.0,Record: support CIF realtime recording or D1(4CIF) recording with 6/7fps, dual encoding streams, smart phone monitoring(windows mobile) Model,Samsung1652 Approved brands : As per tech. specification sheet	1	EACH		
2	Samsung 2020P, Dome Indoor IR,1/3 Sony super HAD CCD color,600 TVL,IR Fixed lens o Lux,3.5 MM Lens,IR Wall mounted Approved brands : As per tech. specification sheet	12	EACH		
3	Samsng LCD 22" " Display Unit For Camera / SONY LCD 22"/LG LCD 22" Approved brands : As per tech. specification sheet	3	EACH		
4	Balun Connectors	20	EACH		
5	Western Digital 2 TB Hard Drive SEAGATE Digital 2TB Hard Drive	1	EACH		
6	Power supply For 12 Cameras 10 Amp (reputed brands)	2	EACH		
7	625 VA UPS	1	EACH		
8	Wiring RG-59 Video Cable 8 Core data cable 2x1.5sqmm cable Approved brands : As per tech. specification sheet	800 80 180	Mtr. Mtr. Mtr.		
9	PVC Conduit 25mm including all accessories	700	mtr		

10	Installation, commissioning and delivery Charges complete etc	10 pcs	EACH		
11	Non-comprehensive AMC charges per year (for next 3 years)	% rate of hardware cost	L.S.		

Grand Total

(Signature of the Agency)
With complete address and seal

Add. _____

Tel. No.: _____

Mobile No.: _____

Terms and Conditions

1. The work must be executed as per the specifications and best engineering practice.
2. Rates must be quoted both in figures & words.
3. Cutting/overwriting should be avoided. In case of any cutting/overwriting, the same must be initialed/authenticated.
4. Rates are to be quoted on the prescribed format.
5. CBSE reserves the right to deviate the quantity. Any item can be deleted if not required as per site condition. Payment shall be made on the basis of the measurements.
6. ALL T & P shall be arranged by the agency at their own cost.
7. In case of any damage to the structure, the same shall be made good by the agency.
8. The rates quoted must be inclusive of all Taxes.
9. Since the firms are required to give demonstration of the proposed system, Board does not bind itself to accept the Lower-bid or to give any reasons for its decisions.
10. The agency shall be bound to complete the work within 15 days from the issue of the work order.
11. In case of delayed execution a penalty @ 1% per week shall be levied.
12. The agency selected for the work shall deposit a performance guarantee equivalent to 10% of the total value of the work. It can be submitted in the form of the Bank Guarantee.
13. In case of slow progress & the Board put to any financial loss, the CBSE shall invoke the Bank Guarantee.
14. The agency shall submit all the guarantee cards/Brochures to the Engineer-In-Charge.
15. All materials brought to site shall be subjected to the approval of the Engineer-In-Charge. In case of any unapproved material is used, the same shall be removed by the agency at his own expense.
16. Non Comprehensive AMC shall for a period of 3 years shall have to be undertaken by the agency for which separate agreement shall be executed.
17. 10% of the basic value of bill shall be retained as defect liability for a period of six months effective from the date of completion. In case of satisfactory performance, the same shall be refunded without interest.
18. No running payment is permissible however; the final bill would be processed & cleared within 30 days from the date of its submission.
19. The equipments /products installed must be guaranteed for a period of one year from the date of completion.
20. The safety & security of the equipments/products after its installation shall rest with the Board.
21. The complaint if reported shall be got rectified by the agency within 24 hours failing which a penalty @ Rs. 200/- per day shall be levied.
22. In case of any dispute, the Chairman shall have the right to appoint an Arbitrator whose decision shall be final & binding on both the parties.

(Signature of the Agency)

With complete address and seal

Add. _____
