



Regional Officer

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केन्द्रीय माध्यमिक शिक्षा बोर्ड

(क्षेत्रीय कार्यालय)

(मानव संसाधन विकास मंत्रालय, भारत सरकार के अधीन एक स्वायत्त संगठन)

टोडरमल मार्ग, अजमेर 305001 (राजस्थान)

CENTRAL BOARD OF SECONDARY EDUCATION

(REGIONAL OFFICE)

(An autonomous Organization under the Union Ministry of Human Resource Development, Govt. of India)

TODARMAL MARG, AJMER- 305001 (Raj.)

पत्रांक

Ref No.F2-78/CCTV/2010

दिनांक

Dated:22nd Dec'2010

TENDER NOTICE

Sealed tenders under Two-Bid System are invited from reputed agencies which must have executed minimum two similar works each costing Rs. 6.00 Lakh or more in reputed organization during the last two years:

1. Name of work : P.I.& C of CCTV System at RO Bldg. Ajmer.
2. Estimated Cost : Rs. 7.80/- lakh.
3. EMD : 20,000/- payable in f/o the Secretary, CBSE Through DD/BD.
4. Cost of Tender : Rs 500/-(Non Refundable).
5. Sale of Tender : Upto 05-01-2011 from CBSE Regional Office, Todarmal Marg, Ajmer 305030(Raj.)
6. Last date for Submission of tenders : 06-01-2011 upto 2:00 p.m.
7. Opening of Tech.-Bids : 06.01.2011 at 2:30 p.m.

Tender can also be down-loaded through the Board's website www.cbse.nic.in. In case of down-loading, Rs 500/- in cash shall have to be deposited in the Regional Office as cost of the tender-form & receipt enclosed with the Technical Bid. EMD must be placed in the Technical Bid envelope. Technical Bid & Price Bid envelopes be sealed separately & then placed in bigger envelope super scribed "CCTV Work". The tender should be dropped in the tender box placed at CBSE Reception Counter, Regional Office Bldg., Ajmer. The tender can also be sent through mail / registered post but must reach timely. Incomplete & conditional tenders shall be summarily rejected. The Secretary, CBSE reserves the right to reject any or all the tenders without assigning any reason thereof.

REGIONAL OFFICER

CENTRAL BOARD OF SECONDARY EDUCATION
Ajmer – Rajasthan

INSTRUCTIONS OF THE TENDERERS

1. **Incomplete and conditional tenders (means any extra condition put-in by renderer other than laid down in this tender) shall be summarily rejected without assigning any reason.**
2. **Rates are to be quoted in words and figures without any cutting/overwriting. If there is difference in words and numbers, lowest will be accepted.**
3. **The Short-Listed/Pre-qualified agencies shall be required to give demonstration/presentation of the equipment with proposed system. In case the agency fails to report for demonstration of the system, it shall stand disqualified without giving any notice.**
4. **The agency should quote the rates, only after visiting the site and proper assessment of work.**
5. **Complete product brochure must be attached with the Tech.-Bid. If the product is not in specified makes and/or is not fulfilling tender specification it will be disqualified for tender without assigning any reason.**
6. **The Tech.-Bid shall be opened on 06.01.2011 at 2:30 pm in the presence of the tenderers.**
7. **Any additional information required by CBSE in respect of the tender work shall be submitted by the tenderers within three working days, failing which the offer shall not be entertained and will be summarily rejected.**
8. **Tenders received without EMD of Rs. 20000/- in the form of a Demand Draft shall be summarily rejected.**
9. **In case of Down-loading the tender through the website, the agency shall have to deposit Rs. 500/- as cost of tender form in the CBSE Regional Office, , Ajmer, Rajasthan & enclose the receipt.**

CENTRAL BOARD OF SECONDARY EDUCATION

Ajmer- 305030

(Rajhastan)

Tender form No.....

Last date of submission:

06-01-2011

Upto 2:00 p.m.

Note :

Instructions to the Tenderers

: Tender must read the Instructions

: before filling the particulars in this part.

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 Proprietier/
Partners

1.4 WCT/ VAT/ CST No.

1.5 PAN No.

(with documentary evidence)

1.6 Annual turnover during last three years
(2006-07,2007-08,2008-09)

(supported with documentary evidence.....)

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

With all necessary documentary evidence.....

Such as copy of work order/PO etc.

SL. Nos.	Year	Name of the Organization	Cost of the work (executed)	Officers Concd. In the Organization with T.No.	Period From
01.	2006-2007				
02.	2007-2008				
03.	2008-2009				

- 2.2 Has the firm been ever debarred/Black Listed by any organization ?
If 'Yes' the details thereof.
- 2.3 The organizational set-up including Technical infrastructure/staff strength in all the categories.
- 2.4 Similar work in hand at Ajmer and near- by cities
- 2.5 Particulars of Demand Draft paid as Earnest Money :

Amount :

DD NO. :

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/Box CCTV Camera

Type	Very High Resolution Day & Night Camera
Sensor	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	48db or better
Power	12V±10% (for rough power conditions)
Lens	3mm-8mm, fixed focal, 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)

If Box Camera is quoted it should be quoted with suitable housing and stand for indoor application

Acceptable brands

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

1. Scanner

Pan Angle	upto 340 deg, but not less than 290 deg.
Pan control	External Adjustment
Power Source	AC 220 V±10% (60/50HZ) AC
Power Consumption Pan:	≤ 5W
Load Rating Pan	≥ 5 kg

Note

Scanner should not be quoted with above cameras. It should be quoted independently.

3. Outdoor Speed Dome Camera

Type	Very High Resolution Day & Night Speed Dome camera
Sensor	1/3" or 1/4" CCD, WDR camera
Signal System	530TV lines or better
Optical Zoom	35X
Digital Zoom	10X or more
Protocol support	PELCO-D, Panasonic, Vicon, Honeywell, (Multiple protocol)
Video Output	1-Vp-p/75 Ω
Wide Dynamic Range	52db
Light Sensitivity	0.00001 lx or better (Camera with lux value 0.00005 or higher are not acceptable e.g: 0.01 lux, 0.05 lux, 0.1 lux etc., as the Application is outside area.)

Motion Detection	On / Off selectable
Preset Positions	200 or more with camera status
Preset Speed	360 Degree/Sec
Flip	180 Degree at bottom
Rotation Angle	Pan : 360° , Tilt : -0° ~ -180°
Focus Control	Auto / Manual
Communication	RS-485, RS-422, RS-232C, TCP/IP
Operating Temperature	0°C ~ +50°C
Day & Night	Auto/manual, User Selectable
Back Light Compensation	Auto/manual, User Selectable, WDR (Must have WDR)
White Balance	Auto/manual, Use Selectable
Power Supply	Included
Housing and Bracket	Outdoor housing with wall/pole mount 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, GE.

4. 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	520 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, GE.

5. 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 1Mps
Recording mode	Manual/scheduled
Hard disk capacity	1000G inbuilt,
Expandability	Provision for additional hard disks to be inbuilt, 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,
Backup	DVD R/W/ and USB, Remote.
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, Pelco, GE,

6. Speed Dome Keyboard/Controller

Type	LCD keyboard
PTZ Control	3 Axis.
Baud Rates	1900~230K bps
Auto surveillance	Tour, group, Swing, preset. Etc.
Communication	RS-485/RS232/TCP/IP
Protocol	Pelco-D, Panasonic, Samsung, Honeywell

Acceptable brands
Samsung, Honeywell, Panasonic, Pelco, GE,

Note: Before quoting, Please ensure that above Keypad/Controller should be able to control the DVR and Speed Dome Camera. As DVR may not be placed in same room, therefore its operation should be accessible from the Keyboard anywhere in the premises.

7. Monitor 22" Inches

Type
Video input

LCD

Must have Composite Video Input, (LCD/TFT having only VGA input will not be accepted and will be Summarily rejected)

Size
Contrast Ratio
Brightness
View Angle
Resolution
Response Time
Stand
Power

22 inches or more
5,000:1 or better
min 300cd/m²
160H/V or more
1680 X 1050
5 ms or less
Wall mount or table top, included
230V AC

Acceptable brands

Samsung, Honeywell, LG, SONY, PANASONIC.

8. Monitor 32" Inches

Type
Video input

LCD

Must have Composite Video Input, (LCD/TFT having only VGA input will not be accepted and will be Summarily rejected)

Size
Contrast Ratio
Brightness
View Angle
Resolution
Response Time
Stand
Power

32 inches or more
5,000:1 or better
min 300cd/m²
170H/V or more
1680 X 1050
5 ms or less
Wall mount & table top, included
230V AC

Acceptable brands

Samsung, Honeywell, LG, SONY, PANASONIC, Pelco,

9. Video Switcher

Video input
Video input type
Remote Expansion panels
Switching

16 Channel
Composite/ RCA/BNC
4 Nos with Local IR remote control
Auto/manual, selectable

10. Line interactive UPS

Type
Capacity
Switching time
Input Voltage
Output Voltage
Battery Backup

Online UPS
IKV
≤ 10ms
160-270V AC
230V± 10%
Battery Included, Minimum 15 Mins Backup.

Acceptable brands

Luminous, Microtek, Emerson, APC,

- | | | |
|-----|--|---|
| 11. | Power Supply
Type
Input
Output
Amp Rating
Switching time | SMPS power supply
230V± 10%
12± 10%
3 Amp
≤ 10ms |
| 12. | Cables
12. (a) Video cable
12. (b) Power cable
12. (c) Data cable
Acceptable Brands
Finolex, Deltron, Excel, Incol, Plaza, | RG-59
2 core 1.5 sq mm, multi strand
8 core data cable, 14/38 |
| 13. | Conduit
(a) Conduit/channel

Acceptable makes
Plaza, Excel, AKG, Setia | 1" PVC Conduit |

Important

1. Before quoting for, please ensure from your end that all these devices should be compatible with each other, as there are multiple protocols for different manufactures. CBSE will not be responsible in any way/whatsoever reason.
2. All Products needs to be supported with original technical brochures/ specification sheets issued by the respective manufacturer.
3. All quoted items must be mentioned with exact model no., make etc. in technical as well as the price-bids.