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CENTRAL BOARD OF SECONDARY EDUCATION

(An Autonomous Organisation under the Union Ministry of Human Resource Development Govt. of India)

“SHIKSHA KENDRA”, 2, COMMUNITY CENTRE, PREET VIHAR, DELHI – 110092

No.

Date: 20.10.2011

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Sub:- Limited Tender for CCTV System, HQ. Bldg.

Sir,

The CBSE intends to provide CCTV System in its HQ. Bldg. Agencies of high repute with minimum 5 years experience and having executed two (2) similar works each costing Rs. 1.50 lakh or more in reputed organizations need apply. An EMD of Rs. 10,000/- payable through DD/BD in f/o the Secretary, CBSE must be attached with the Technical-Bid. The interested agencies must enclose all requisite documents with the Technical-Bid. Price-Bid must be sealed separately. Both the envelopes i.e. Technical and Price Bids be placed in a bigger envelope superscribed “CCTV work at HQ.” Sealed tenders complete in all respect must be submitted latest by 07.11.2011 upto 2:00 p.m. & dropped in a tender box placed at Reception Hall, CBSE HQ Bldg., 2, Community Centre, Preet Vihar, Delhi-92. The technical-bids shall be opened on the same day at 2:30 p.m.

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

Yours faithfully

(S.K. SHARMA)
SR. ENGINEER (ESTATE)

CENTRAL BOARD OF SECONDARY EDUCATION
Preet Vihar, Delhi-110092

INSTRUCTIONS TO THE TENDERERS

1. The tenderers must study the tender documents minutely and quote for the specified products only.
2. Incomplete and conditional tenders (means any extra condition put-in by tenderer other than laid down in this tender) shall be summarily rejected without assigning any reason.
3. 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.
4. 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.
5. The agency should quote the rates, only after visiting the site and proper assessment of work.
6. 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 without assigning any reason.
7. The Tech.-Bid shall be opened on 10/10/2011 at 2:30 pm in the presence of the tenderers.
8. Any additional information required by CBSE in respect of the tender/past works shall be submitted by the tenderers within three working days, failing which the offer shall not be entertained and will be summarily rejected.
9. Tenders received without EMD of Rs. 10,000/- in the form of a DD/BD shall be summarily rejected.
10. Experience documents must be attested through a Gazetted Officer.

CENTRAL BOARD OF SECONDARY EDUCATION

Preet Vihar, Delhi-110092

LIMITED TENDER

TECHNICAL-BID

Tender form No.....

Last date of submission: 07/11/2011 Upto 2:00 p.m.

Note : : Tenderer must read the Instructions
Instructions to the Tenderers : 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 Proprieter/
Partners/ Directors

1.4 WCT/ VAT/ CST No.

1.5 PAN No.
(with documentary evidence)

1.6 Annual turnover during last three years
(2008-09, 2009-10, 2010-2011)
(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.	2008-2009				
02.	2009-2010				
03.	2010-2011				

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 Delhi/NCR and near- by cities

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2.5 Particulars of Demand Draft paid as Earnest Money :

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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	580TV 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-10mm, vari-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)
WDR	Yes/Selectable
Day & Night	Auto/manual, (dip Switch Settings)
Back Light Compensation	Auto/manual, (dip Switch Settings)
White Balance	Auto/manual, (dip Switch Settings)
Protection:	IP66

Acceptable brands

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

2. Power Supply

Type	SMPS power supply
Input	230V± 10%
Output	12± 10%
Amp Rating	3 Amp
Switching time	≤ 10ms

3. Digital Video Recorder

Video input	16 channels (8 Cameras for future up-gradation)
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	selectable
Recording bit rate	variable upto 1Mps
Recording mode	Manual/scheduled
Hard disk capacity	4TB inbuilt ,
Expandability	Provision for additional hard disks to be inbuilt , upto 8TB
Redundancy recording	Yes

Remote Network Support

Network Protocols
Backup
Communication
Remote operation

Operating Temperature
Power

Remote query, playback and download video files,

TCP/IP, PPPoE, DHCP, DNS, DDNS, NTP, DVD R/W/ and USB, Remote.

TCP/IP, RS-485, RS-232

TCP/IP, inbuilt web server, Remote software included.

0 deg to 50 deg
230VAC

4. **Monitor 19” Inches**

Type
Video input

Size
Contrast Ratio
Brightness
View Angle
Resolution
Response Time
Stand
Power

LCD

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

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

5. **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,

6. **Cables**

(a) Video cable
(b) Power cable
conductor
(c) Data cable

RG-59, copper conductor,
2 core 1.5 sq mm, multi strand, copper

8 core data cable, 14/38. copper conductor

Acceptable Brands
Finolex, Excel, Incol, Plaza,

7 Conduit

(a) Conduit/channel

1” PVC Conduit,

Acceptable makes
Plaza, Excel, AKG, Setia

Important

1. Before quoting for, please ensure from your end that all these devices should be/are compatible with each other., such as DVR etc. 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.

Compliance Statement

S.No.	Requirement (Description/Statement)	Compliance Deviation 0% (+/-)	Model & Make		Description of Model & Make being offered
			Make	Model	

1 CCTV Camera

	<p>Type: Dome/ Box Camera Sensor: 1/3" CCD Sony Sensor Signal System: 580TV lines or better Video Output: 1-Vp- p/75_Ω Sensitivity: 0.1 Lux (F 1.2) or better S/N Ratio: 48db or better WDR: Yes/Selectable Power: 12V ± 10% (for rough power conditions) Lens: 3mm-10mm, Veri- focal focal, Auto iris, Iris: Drive DC (Must have the IRIS Control for different light condition)</p>				
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2 Power Supply

	<p>Type SMPS Input 230 ± 10% Output 12 ± 10% Amp Rating 3 Amp Switching time ≤ 10ms</p>				
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3 Digital Video Recorder

	<p>Video input: 16 channels Video output: BNC/composite/RC/VGA (only VGA input is not accepted Compression: H.264 Recording Resolution: CIF to 4 CIF (PAL), should be selectable. Dual Streaming: Yes Dual Streaming Display Rate: Min 400 fps (PAL) at CIF Recording rate: Min 400 fps (PAL) at CIF Image Quality: User</p>				
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	<p>Selectable</p> <p>Recording bit rate: variable upto 1Mps</p> <p>Recording mode: Manual/scheduled</p> <p>Hard disk capacity: 4000G inbuilt,</p> <p>Expandability: Provision for additional hard disks to be inbuilt, upto 8TB Backup DVD R/W/ and USB, Remote.</p> <p>Communication: TCP/IP, RS-485, RS-232</p> <p>Remote operation: TCP/IP, inbuilt web server, Remote software included.</p>				
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4. 19" LCD Monitor

	<p>Type: LCD</p> <p>Video Input: BNC/RC, Must have Composite Video Input, (LCD/TFT having only VGA input will not be accepted and will be Summarily rejected)</p> <p>Size: 19 inches or more</p> <p>Contrast Ratio: 5,000:1 or better</p> <p>Brightness: min 300cd/m²</p> <p>View Angle: 160H/V or more</p> <p>Resolution 1680 X 1050</p> <p>Response Time 7 ms or less</p> <p>Power 230 AC Stand Wall mount or table top, included</p>				
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5. UPS

	<p>Capacity 1KV</p> <p>Switching time ≤ 10ms</p> <p>Input Voltage 160-270V AC</p> <p>Output Voltage 230V ± 10%</p> <p>Battery Backup</p>				
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	Battery Included, Minimum 15 Mins Backup.				
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6 Cables

	(a) Video cable RG-59U (b) Power cable 2 core 1.5 sqmm, multi stand (c) Data cable 8 core data cable, 14/38 Gauge				
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7 Conduit & Channels

	Conduit 1" PVC Conduit				
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Authorised Signatory

Name of organization

Name of auth. Person

Tel/Mob. No:

Email ID

Sign with Seal

Price Bid
CCTV System for HQ. Bldg. Preet Vihar, Delhi-92

Sl. No	Discription	Make	Model	Qty	Unit Price	Amount
1.	C.C.T.V. Camera			8 No		
2.	Power Supply			2 No		
3.	DVR			1 No		
4.	19" LCD Monitor			1 Nos		
5.	UPS			1 Nos		
6.	P & L of Cables					
	(i) Video Cable			500 R mtrs.		
	(ii) Power cable			300 R mtrs.		
	(iii) Data Cable			Rate Only		
7.	P & L of PVC Conduit			500 R mtrs.		
8.	Installation & Commissioning charges (Including necessary junction boxes, Termination boxes, Connectors, accessories, Saddle & spacer etc, including training to CBSE staff/Officer Incharge about operation of the system				LS	
9.	AMC for 3 Years (Non-Comprehensive)				LS	

Above Rates should be inclusive of all kinds of tax, packing forwarding etc.

Authorised Signatory

Name of organization

Name of auth. Person

Tel/Mob. No:

Email ID

Sign with Seal

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 45 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. _____

Tel. No.: _____

Mobile No.: _____