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**OFFICE OF THE PRINCIPAL, SHAILABALA WOMEN'S COLLEGE, CUTTACK**  
**QUOTATION CALL NOTICE**

No: 2879

Dt. 18/11/2016

Sealed Quotations are invited from registered firms/authorised dealers/Distributors/manufacturers/DGS&D rate contract holder Agencies/EPM rate contract holder agencies having VAT clearance certificates, PAN Card, Service tax Registration, proof of authorisation certificate for CCTV Surveillance with accessories including installation, Equipments mentioned for setting up smart class Room including installations.

The prescribed quotation scheduled and detailed specification are given in the college website [www.shailabalawomenscollege.com](http://www.shailabalawomenscollege.com)

Sealed quotations must reach the undersigned on or before 5 P.M of 25.11.2016

**Smart Classroom:**

**Equipments:-**

Smart Class room with complete set up ( Size- 800sqft) Room No.17			
Sl No.	Item	Specification	Preferred Brand
1.	Interactive Board	82" Diagonal Wi-Fi / Speaker optional	Hitachi / SMART / New Line/ Samsung
2.	Ultra Short Throw Projector	3300 Lumens / XGA / 0.3 Throw Ratio/ Dual HDMI / LAN	Sony / Panasonic / Hitachi / BenQ
3.	Cable & Accessories	Custom	
4.	Desktop	Core i5 / 4 GB / 1 TB / Win-10	/ HP / Lenovo
5.	Wireless Projection	Wireless HDMI Dongle	Sony / Panasonic / Hitachi / BenQ
6.	Multimedia Woofer	5.1 Channel	Logitech / F & D / Philips
7.	Air Conditioner	1.5 Ton 3 Star	Voltas / Carrier / Hitachi / Daikin
8.	Ceiling Fan	1800 mm	Crompton / USHA / Polar
9.	LED Light	18 watts	Philips Command /Havel's / Syska
10.	CCTV	2 MP Varifocal Dome	Secura / Odeon / Raysharp / Dahua
11.	Students Chair	Model No.TRS108	Butterfly
12.	Computer Table	C9	Godrej / Methodex / Butterfly
15.	PA Lecterns	60 watts	Audiotrak / Ahuja / ICT
16.	PA Systems	Delegate Units	Ahuja / Bosch
17.	Offline UPS	15 mts backup	Socomec / APC / Delta
18.	White Board	3 x 4	PHD / Whitemark / Alco sign
13.	Electrical Wiring & Fittings	Custom	Cona / Panasonic / Havells
Interior designing			
1.	False Ceiling	Sound proofing	
2.	Wall Colour	Distempering with putty	Asian / Burger / Dulux
3.	Sliding Window	Aluminium frame with glass	
4.	Door (Main)	Aluminium frame with glass	
5.	Vertical Blinds	Doors & windows	



# Installation of CCTV Surveillance System

Sl No.	Item	Specification	Preferred Brand	
1.	Dome Camera	Image sensor	1/3" CMOS IR-CUT	
		Resolution	2.0 Mega pixel AHD camera	
		Total Pixels (HxV)	PAL : 1920*1080P	
		Scanning Frequency	PAL: 15.625 KHz(H), 50Hz(V)	
		Scanning System	2:1 Interlace	
		S/N Ratio	More than 52dB (AGC Off)	
		Min. Illumination	0.8 / 0.001 LUX	
		Sync. System	Synchronization	
		Electronic Shutter	PAL: 1/50 sec	LG/ Dahua/
		Gamma	Y = 0.45	Odeon/Panasonic
		Video Output	1.0 Vp-p Composite (75Ω)	/ Secura/Sony.
		AGC	Auto	
		IR LED	24 pcs 5mm IR Led 20 meter	
		IR LED Operation	On (1 Lux) / Off (3 Lux)	
		LED life	More than 10,000 hours	
		Power Requirement	DC12V (±10%)	
		Power consumption	IR on: 230mA, IR off: 60mA	
		Cable	BNC	
Operation Temp	-10°C ~ +50°C RH95% MAX			
Storage Temp	-20°C ~ +60°C RH95% MAX			
Lens	3.6mm Lens			
2.	Bullet Camera	Image sensor	1/3" CMOS IR-CUT	
		Resolution	2.0 Mega pixel AHD Camera	
		Total Pixels (HxV)	PAL:192*1080P	
		Scanning Frequency	PAL: 15.625 KHz(H), 50Hz(V)	
		Scanning System	2:1 Interlace	
		S/N Ratio	More than 52dB (AGC Off)	
		Min. Illumination	0LUX	
		Sync. System	Synchronization	
		Electronic Shutter	Auto: PAL 1/50-1/100, 000Sec	LG/ Dahua/
		Gamma	Y = 0.45	Odeon/Panasonic
		Video Output	1.0 Vp-p Composite (75Ω)	/ Secura/Sony.
		AGC	Auto	
		IR LED	42pcs F5 IR Led 40 meter	
		IR LED Operation	On (1 Lux) / Off (3 Lux)	
		LED life	More than 10,000 hours	
		Power Requirement	DC12V (±10%)	
		Power consumption	IR on: 360mA, IR off: 60mA	
		Cable	BNC	
Operation Temp	-10°C ~ +50°C RH95% MAX			
Storage Temp	-20°C ~ +60°C RH95% MAX			
Lens	2.8-12mm lens			
Dimension	322*100*74mm			



3. PTZ Camera

Video Format: AHD  
 Image Sensor: 1/2.8" CMOS  
 Effective Pixels: 1920x1080  
 Minimum illumination Colour: 0.05Lux, B/W: 0.01Lux, 0 Lux with IR ON  
 3D Noise Reduction Support WDR Support  
 Electronic Shutte 1/50s—1/1000s, AUTO  
 Day/Night Mode Automatic ICR colour to black  
 Defog Support Strong Light Inhibition Support  
 Focus 4.7-94mm, 20X optical zoom  
 Speed Horizontal: 300°/s, Vertical: 180°/s  
 Preset 256  
 Cruise scanning 4 pcs, Each Cruise support add 16 presets  
 Power-cut memory restore Support  
 Standby function Preset/ Cruise Scanning/ Zone scanning  
 IR distance: 100m, OSD English/Chinese  
 Power Supply DC12V, 50W max(IR led 15W max, heater 5W max)  
 Working temperature and humidity -20°C~60°C(outdoor), humidity≤90%  
 Protection grade Support the lightning protection, anti-surge, anti-stressed by, surges, IP 67

LG/ Dahua/  
 Odeon/Panasonic  
 / Secura/Sony.

4. DVR  
 (8 Channel)

Main Chipset	
Operating System	Embedded LINUX Operating System
Video Input	8
Preview Resolution	1080P@30fps*/1080P@25fps* /720P@30fps/720P@25fps
Video Compression	H.264
Encoding Resolution	1080P*/720P/960H/D1
Frame Rate	1080P@max15fps* / 720P/960H/D1@max30fps
Video Coding rate	512Kbps~6144Kbps, 3072Kbps in default
Video Playback	x4
Sub Stream	Cif@15fps
Stream Type	Video Streaming/Compound Flow
Dual Stream	support
Audio Compression	G.711A
Audio Sample Rate	8KHz/16Bit
Audio Bite Rate	64Kbps
Video Input	BNC Interface x 8

LG/ Dahua/  
 Odeon/Panasonic  
 / Secura/Sony.

Video Output	1 ch VGA output, 1 ch HDMI	
Audio Input	RCA x 1 (Optional Max RCAx8)	
Audio Output	1 RCA Audio Output/HDMI Audio Output	
Recording Mode	Alarm Recording, Timing Recording, Motion Detection Recording, Manual Recording	
Backup	U disk, Hard Drive, Mobile	
Alarm Input	4ch (optional)	
Alarm Output	1ch (optional)	
Interface Type	SATA x 2(Opt x4)	
Single Disk capacity	4TB	
Network Interface	1 RJ45 Interface, 100M Ethernet Interface	
Serial Interface	1 RS485	
USB 2.0 Interface	2	
Power Supply	DC12V	
Working Temperature	-10°C— +55°C	
Working Humidity	10%~90%	
Size	36*11.5*32.5	
Weight	2.175KG with gift box	



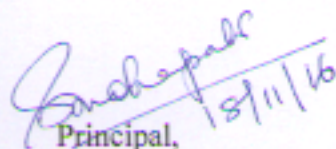
5.	DVR (16 Channel)	Operating System	Embedded LINUX Operating System	
		Video Input	16	
		Preview Resolution	1080P@30fps*/1080P@25fps*/720P@30fps/720P@25fps	
		Video Compression	H.264	
		Encoding Resolution	1080P*/720P/960H/D1	
		Frame Rate	1080P@max15fps* / 720P/960H/D1@max30fps	
		Video Coding rate	512Kbps~6144Kbps, 3072Kbps in default	
		Video Playback	x4	
		Sub Stream	Cif@15fps	
		Stream Type	Video Streaming/Compound Flow	
		Dual Stream	support	
		Audio Compression	G.711A	
		Audio Sample Rate	8KHz/16Bit	
		Audio Bite Rate	64Kbps	
		Video Input	BNC Interface x 16	
		Video Output	1 ch VGA output, 1 ch HDMI	
		Audio Input	RCA x 1 (Optional Max RCAx8)	LG/ Dahua/ Odeon/Panasonic /Secura/Sony.
		Audio Output	1 RCA Audio Output/HDMI Audio Output	
		Recording Mode	Alarm Recording, Timing Recording, Motion Detection Recording, Manual Recording	
		Backup	U disk, Hard Drive, Mobile	
		Alarm Input	4ch (optional)	
		Alarm Output	1ch (optional)	
		Interface Type	SATA x 2(Opt x4)	
		Single Disk capacity	4TB	
		Network Interface	1 RJ45 Interface, 100M Ethernet Interface	
		Serial Interface	1 RS485	
		USB 2.0 Interface	2	
		Power Supply	DC12V	
Working Temperature	-10°C— +55°C			
Working Humidity	10%~90%			
Size	42.5*12*33.5			
6.	HDD	AV Series, Interface- Sata, Form Factor- 3.5", 26.1 mmH, Rotation Speed- 5940/5700, Format Capacity- 1TB/4 TB/2 TB	Seagate/Toshiba	
7.	BNC Connector	Good quality brass material	MX / Star/ Raymax	
8.	DC Connector	Good quality brass material	MX / Star/ Raymax	
9.	CCTV Cable	3+1 CCTV Copper cable with 1.2mm PVC pipe per meter	Xicom/ Terabite/ Spy cab/	
10.	UPS	1000 VA	Numeric/ APC	
11.	HDMI Cable	Good Quality	Sony/ MX	
12.	Installation & Training Charges	Per camera		



All components of the Smart Class Room will be given to a single one out of the eligible bidders'. Interested firms are to visit the site in any working day before submitting the bid documents.

**Terms and conditions-**

- (a) Copy of Registration Certificate shall be enclosed
- (b) MAF (Manufacturer Authorisation Certificate) shall be enclosed
- (c) Copy of PAN & TIN. shall be enclosed
- (d) Up to date copy of VAT registration certificate & TAX clearance certificates shall be enclosed
- (e) Copy of Service Tax shall be enclosed
- (f) Documents/ Reports of important and relevant work to highlight Equivalent previous experience if any.
- (g) Part quotation or, any single item quotation will be not taken into consideration either for setting up Smart Class Room or CCTV installations.
- (h) Rate quoted should be exclusive of VAT. VAT to mention separately.
- (i) Items should be delivered to the college free of cost. Specification of the items will be inspected by the college authority
- (j) The bidder has to quote as whole on turnkey basis.
- (k) Without authentic documents the quotations will be rejected.
- (l) Payments will be made after installation and completion of the work. Submission of bills with TIN number, Payments shall be made in the mode of A/C payee cheque /Transfer to the bank account of the firm through NEFT/RTGS.
- (m) The approved firm shall complete the work within 10 days from the date issue of the order.
- (n) The Principal reserves the right to reject any or all quotations without assigning any reason thereof.

  
Principal,

Shailabala Women's College, Cuttack