



CANE AND BAMBOO TECHNOLOGY CENTRE

CANE AND BAMBOO TECHNOLOGY PARK

(Near Central Academy for State Forest Service)
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LIMITED TENDER NOTICE

Cane and Bamboo Technology Centre(CBTC) invites sealed quotations from interested companies/ vendor/dealers/Suppliers/registered parties for supply of CCTV camera, audio kits for conference, interactive smart board, networking of staff rooms, LCD for conference & board room, A.C for various rooms etc. The quantity and specifications of items are available in www.cbtc.org.in. The last date of receipt of Quotation is fixed on 4th April, 2019 till 1 PM and will be opened on 4th April at 3PM, 2019.

1. For CCTV camera & others

Sl No	Particulars	No of Required	Specification
1	Camera 2MP IP Dome/Bullet with 20-30mtr IR Dome-3 Bullet-6	9 Nos.	Up to 2 megapixel (1920 × 1080) resolution, Standard video compression with high compression ratio, ROI (region of interest) encoding, Progressive scan CMOS, capture motion video without incised margin, Support dual stream, and the sub-stream for mobile surveillance, High-performance and long service life Infrared LED, Approx. 20 to 30 meters IR range, IR cut filter with auto switch, Built-in Micro SD / SDHC / SDXC card slot, up to 128GB, PoE (Power over Ethernet), Ingress Protection level: IP67, Electronic shutter for different surveillance environments, Other functions: alarm, reset button, mirror, etc. Support VCA, which is compatible with NVR for the second time of video searching and analyzing.
2	Camera PTZ IP (Full PTZ)	4 Nos.	1/2.8" progressive scan CMOS, Up to 1920 × 1080@30fps resolution, Min. illumination: Color: 0.005 Lux @(F1.6, AGC ON) B/W: 0.001 Lux @(F1.6, AGC ON) 0 Lux with IR, 25× optical zoom, 16× digital zoom WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus, Up to 100 m IR distance, 12 VDC &PoE+ (802.3 at, class4), Support H.265+/H.265 video compression
3	NVR 32 Channel 2 Sata	1 Nos.	Video inputs 16, Type of multiplexer functions- Live view, Playback, Storage capacity 4 TB, Voltage 12 V DC, Dimensions (mm) 380 x 290 x 48, HDMI and VGA output at up to 1920×1080P resolution, Up to 2 SATA interfaces, Up to 6 Megapixels resolution recording, Third-party network cameras supported
4	Surveillance HDD 4TB	2 Nos.	Formatted capacity2, Form factor-3.5-inch, Advanced Format (AF)-Yes, Data transfer rate (max) Buffer to hostto/from drive (sustained)-6 Gb/s 150 MB/s, Cache (MB)-64, Performance Class-5400 RPM Class,Limited warranty (years)-3 Years
5	Switch POE 4 Port	4 Nos.	High-Speed Networking, Eight 10/100/1000 Mbps Gigabit ports, Full/half-duplex for Ethernet/Fast Ethernet speeds Power over Ethernet, IEEE 802.3af compliant PoE on ports 1-4, 52W PoE power budget Reliability, IEEE 802.3x flow control, Supports IEEE 802.1p QoS,

			Store-and-forward switching scheme, Fanless – silent operation Easy Setup, Plug-and-play installation, Auto MDI/MDIX crossover for all ports
6	Wire Cat 6	3 Roll	
7	Connector RJ45	30	
8	TV 32" (LG/Sumsang/Sony)	1	
9	Casing Capping	600 mtrs	
10	Installation Charge		

2. For audio conference

SI No	Particulars	Qty.	Specification
1	Chairman Unit	1 No	The Chairman should have built-in loudspeakers and high quality sensitive electret condenser transducer mounted on 16" flexible goosenecks. The microphones of the units are equipped with a Ring LED indicator for easy visual identification of the unit in operation. Each unit has a headphone output with volume control. The matching Secretary Unit should have a built-in loudspeaker and a headphone output with volume control. 12 Months Warranty
2	Delegate Unit	14 No	The Secretary Unit enables proceedings to be recorded through a cassette recorder, for a stenographer present to take notes and to relay pre-recorded messages or music to delegates. 12 Months Warranty
3	Amplifier	1 Nos	1x Line 200mV unbalanced input and 2xLine 1V balanced inputs through XLR connector, one 1V input having priority over all other inputs, 100V input is provided for connecting another amplifier's output in long line applications, 19" Rack mountable chassis, Instant transfer to DC power (Car Battery) if AC power fails.
4	Wall Speaker	4 Nos	
5	Wire for Speaker		As required
6	Installation Charge	job	

3. For interactive smart board & others

Sl No	Particulars	No of Required	Specification
1	Interactive Smart Board	1 Nos	Size 78 1/2" W x 53 3/8" H x 6 1/2" D (199.4 cm x 135.6 cm x 16.5 cm), interactive projected image)-87" (221 cm) diagonal, Resolution Touch resolution is approximately 4000 x 4000.
2	Projector Short Throw	1 Nos	Product Dimensions-23.9 x 32 x 12 cm, Display Resolution Maximum-1080P, Batteries Included-Yes, HDTV Compatibility: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p, Brightness: 3,000 Lumens, Contrast Ratio: 20,000:1
3	Wall Mount Kit	1 Nos	Matching with projector
4	Desktop CPU only	1 Nos	Processor i3-8100, RAM 4GB, No OS, ODD, 3Yr Onsite
5	Speaker 4:1	1 Nos	Inputs - AUX, USB, SD/MMC, Frequency Response - Woofer -35Hz to 200Hz; Satellites – 100Hz to 20 kHz, S/N Ratio - ≥68dB, Control Panel Functions - Power, Volume, Bass, Treble, Mode, Previous/Scan-, Play/Pause, Auto Scan/Preset, Next/Scan+
6	Wooden Box	1 Nos	Enclosure for CPU
7	Audio Cable	Actual	
8	VGA cable 15 mtrs	1 Nos	
9	Power cable 15 mts	1 Nos	
10	Switch 8 Port	1 Nos	IEEE: 802.3 Ethernet, 802.3u Fast Ethernet, 4RJ-45 10/100BASE-TX ports without 802.3af PoE, Switch Fabric: 1.6Gps,Max Power Consumption: 62.3 Watts max
11	Wire Cat 6	1 Roll	
12	Installation Charge		

4. External Storage

Sl No	Particulars	No of Required	Specification
1	NAS External Storage	1 Nos	4 Bay with 12TB Storage (each bay upto 10TB) Rackmount NAS, Intel Atom C2558 Quad Core, 2.4GHz QuickAssist, 4GB ECC RAM, 2xUSB3.0, 1xUSB2.0, 4x1G Ethernet Port, Warranty-5 Years.

5. Networking

Sl No	Particulars	No of Required	Specification
1	Switch 24 Port Gigabit Unmanaged	2 Nos.	24-port Compact Gigabit Switch with 2 Combo, System / PWR, Link / Activity, 100M, * Gigabit,100-240VAC, 50-60 Hz, internal, universal System / PWR, Link / Activity, 100M, * Gigabit
2	I/O Box	25	Single Port/ Write on labels in transparent plastic window – supplied with plate Screw hole covers – to be supplied with plate/ Face Plate with shutter
3	Wire CAT6	3 Roll	Category 6 Unshielded Twisted Pair 4 pair 100W cable shall be compliant with ANSI/TIA/EIA-568-C.2-1 Additional Transmission Performance Specifications for 4-pair 100W Category 6 Cabling. Cat6 cable should be tested up to 600MHz. Category 6 UTP cables shall extend between the work area location and its associated telecommunications closet and consist of 4 pair, 23 AWG, UTP.
4	RACK 4U	1	4U/550X400, Basic Frame-Steel, with accessories
5	Patch Cord 2m	25	Same make as Cat 6 cable, factory crimped.
6	Connector RJ45	1 Box	Same make as Cat 6.
7	RACK 32U Networking	1	Steel frame with caster wheel and lock, PDU (6 Socket), Shelf, Fan-2, M.H, Cable Manager, Rack size (600X650mm), M.H
8	Patch Pannel 24 port unloaded	1	Fully loaded patch panel of quality make as Cat 6
9	Casing Capping	600	High quality PVC
10	Installation Charge	1	

6. TV & Projector

1	Panel	Monitor Type	LED
		Panel Technology	IPS
		Screen Size	49" or Higher
		Aspect Ratio	16:09
		Native Resolution	1,920 x 1,080 (Full HD)
		Brightness	350cd/m2 or higher
		Contrast Ratio	1,100 : 1 or higher
		Dynamic CR	500,000 : 1 or higher
		Orientation	Portrait & Landscape
		Surface Treatment	Hard Coating, Anti-glare Treatment of the Front Polarizer
		Circuit board Protection	Dust & Humidity Protection Coated
		Viewing Angle (H x V)	178 x 178 degree
2	Connectivity	Inputs	HDMI, DVI-D, RGB, Stereo Mini Jack, USB
		Outputs	Stereo Mini Jack, External Speaker Out
		External Control	RS232C (In/Out), RJ45, IR Receiver
3	Environment Conditions	Operation Temperature	0 °C to 40 °C
		Operation Humidity	10 % to 80 %
4	Power Supply	Power Supply	100-240V~, 50/60Hz
		Consumption	65W (Typ)/ 50W (SES)or more
5	Industrial Grade/ Certification	Safety	UL / cUL / CB / TUV / KC
		EMC	FCC Class "A" / CE / KCC
		Energy Star	Yes energy star 6.0 .
6	Wall Mount	Standard matching	Moveable sideways

7. Specification in details for A.C

Type	Split
Capacity	1.5 Ton 8 / 10
Energy Rating	5 Star 8 / 10
Compressor	Rotary
Cooling Capacity	5050 W
Colour	White
Remote Control	Yes
In the Box	Unit, Remote Control, Connecting Accessories, User Manual
FEATURES	

Dehumidification	Yes
Turbo Mode	Yes
Indoor Temperature Indicator	Yes
CONVENIENCE FEATURES	
Auto Restart	Yes
Sleep Mode	Yes
Self Diagnosis	Yes
AIRFLOW & FILTER FEATURES	
Auto Air Swing	Yes
Dust Filter	Yes
Anti-Bacteria Filter	Yes
Active Carbon Filter	Yes
POWER DETAILS	
Power Requirement	220-240 V
Power Consumption	1430 W
WARRANTY DETAILS	
Compressor Warranty	5 Year(s)
Product Warranty	1 Year(s)