बीरबल साहनी पुराविज्ञान संस्थान, लखनऊ
BIRBAL SAHNI INSTITUTE OF PALAEOSCIENCES, LUCKNOW

टेलीग्राम पेलियोबाँटनी

दूरभाष 2740008,2740011

फैक्स ९१-91-522-2742981,2742999

53, विश्व विद्यालय मार्ग

लखनऊ - 226007

BSIP / W & B/CCTV/ C-4926
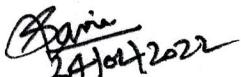
Dated 24.02.2022

Address Reverse

Subject : <u>**Installation of CCTV Camera in the Existing Building of BSIP, Lucknow.**</u>

Dear Sirs,

This Institute planned to install CCTV Camera in the existing building premises. Please note that the price should be quoted as per specifications and format only (the specifications & format can be downloaded from BSIP Website). Quotations are invited from the agencies in sealed cover, addressed to the Registar, Birbal Sahni Institute of Palaeosciences,53-University Road, Lucknow-226 007 and should reach on or before 5:00 P.M. on 17.03.2022 duly super scribed by **"Quotation for Installation of CCTV Camera at BSIP.'.**

Payment will be made after satisfactory completion of work

Yours sincerely,

(Sandeep Kumar Shivhare)
Registrar

Website BSIP

CCTV installation in BSIP

S. No	Item Description	Make/Model	UOM	Qty	Unit Rate(Rs.)	Amount
1.	2MP Dome IR Camera Detailed Specification as per **Annexure - 1**		No	1		
2.	2MP Bullet IR Camera Detailed Specification as per **Annexure – 2**		No	1		
3.	32 CH. DVR (2 SATA Supported Detailed Specification as per **Annexure - 3**		No	1		
4.	HDMI Cable 10 Mtr.		No	1		
5.	12V 20A Power Supply		No	2		
6.	4 TB Hard Disk for Recording (upto 30 Days)		No	2		
7.	CCTV (3+1) Wire 90 Mtr.		BDL			
8.	BNC Connectors		No	1		
9.	DC Connectors		No	1		
10.	6U Rack with all Accessories		No	1		
11.	PVC Conduit with all accessories		RMT			
12.	CCTV wiring in Conduit	Service	RMT			
13.	Installation, Commissioning & Testing Charges	Service	Job			

Annexure - 1

DOME CAMERA	
Features	**Specification**
Image Sensor	1/2.7" 2.0MP PS CMOS Image Sensor (6.858 centimeters)
Minimum Illumination	0.02Lux/F1.85, 30IRE, 0Lux IR on
Effective Pixels	2.0MP
BodyType	Dome
Shutter Speed	PAL: 1/25~1/100000s NTSC: 1/30~1/100000s
White Balance	Auto / Manual
Lens	3.6mm (2.8mm Optional)
Gain Control (AGC)	Auto / Manual
Angle of View	H: 87.5° (103°)
S/N Ratio	More than 65dB
Back Light Comp.	BLC / HLC / DWDR
OSD	Multi-language
Video Streaming	25/30fps@2.4MP, 25/30/50/60fps@720P
Video Output	1-channel BNC high definition video output / CVBS video output (Can switch)
ICR	Auto (ICR) / Manual
IR Range	IR Range of 20 Mtr.
Operating Temperature	-40°C~+60°C / Less than 95%RH
Power Source	12V DC ±30%
Power Consumption	Max 3.3W (12V DC, IR on)
Weatherproof Standard	IP67

Annexure – 2

BULLET CAMERA	
Features	**Specifications**
Image Sensor	1/2.7" 2.0MP PS CMOS Image Sensor (6.858 centimeters)
Minimum Illumination	0.02Lux/F1.85, 30IRE, 0Lux IR on
Effective Pixels	2.0MP
BodyType	Bullet
Shutter Speed	PAL: 1/25~1/100000s, NTSC: 1/30~1/100000s
White Balance	Auto / Manual
Lens	3.6mm (2.8mm, 6mm Optional)
Gain Control (AGC)	Auto / Manual
Angle of View	H: 87.5° (103°, 54.7°)
S/N Ratio	More than 65dB
Back Light Comp.	BLC / HLC / DWDR
Video Streaming	25/30fps@2.4MP, 25/30/50/60fps@720P
OSD	Multi-language
Video Output	1-channel BNC high definition video output / CVBS video output (Can switch)
ICR	Auto (ICR) / Manual
IR Range	IR Range of 20 Mtr.
Operating Temperature	-40°C ~ +60°C (-40°F ~ +140°F) / Less than 95% RH
Power Source	12V DC ±30%
Power Consumption	Max 3.3W (12V DC, IR on)
Weatherproof Standard	IP67

Annexure – 3

DIGITAL VIDEO RECORDER(DVR)	
Feature	**Specification**
Processor	Embedded processor
Operating System	Embedded LINUX
IP Camera Input	16Ch. : each channel up to 6MP
Two-way Talk	Reuse audio in/out, RCA
User Interface	GUI
Video Output	1 HDMI, 1 VGA, 1 TV
Video Resolution	1920×1080, 1280×1024, 1280×720
Video Recording	Main Stream: the 1st channel 1080N/720P(1~25/30fps), others 1080N/720P(1~15fps); 960H/D1/CIF (1~25/30fps), Sub stream: CIF (1~7fps)
Video Display Split	1/4/8/9/16/25/36
Video Channel	32 channel, BNC
Video Standard	Analog: NTSC(525Line, 60f/s), PAL(625Line, 50f/s)
Audio Output	1 channel, RCA
Audio Channel	1 channel, RCA
Motion Detection	MD Zones: 396 (22 × 18)
Video Loss	Supports
Smart Phone	iPhone, iPad, Android Phone
Hard Disk	2 SATA port, up to 10TB Each
Trigger Events	Recording, PTZ, Tour, Alarm Out, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Recording Mode	Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop
Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)
Backup Mode	USB Device/ Network
Playback	Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file,Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup, selection, Digital zoom
Max User Account	128 users
Record Interval	1~60 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec
Ethernet	1 RJ-45 Port (1000M)
Interface Ports	1 HDMI, 1 VGA, 2 USB Ports(1 USB 2.0 , 1 USB 3.0), 1 RS485
Protocols	HTTP, HTTPS, TCP/IP, IPv4/IPv6, Wi-Fi, 3G/4G, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE,DDNS, FTP, Alarm Server, P2P,IP Search, ONVIF 16.12, CGI Conformant
Power Supply	DC12V/5A
Power Consumption	<20W(without HDD)
Working Temp	-10 ~+55°C / 10~90%RH