



THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.

JANAPATH, BHOINAGAR, BHUBANESWAR-22.

[Electrical Division]

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BID REFERENCE NO: -10/PM/ELECT/OPHWC/2023-24

PRICE BID

FOR

SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF IP-BASED CLOSE CIRCUIT CAMERA SURVEILLANCE SYSTEM AT SECRETARIAT COMPLEX, BHUBANESWAR.

SCHEDULE OF WORKS

CHINESE BRANDS ARE NOT ALLOWED

SL. NO	DESCRIPTION OF WORKS	UNIT	QNTY	RATE IN Rs.	AMOUNT IN Rs.
A - SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF IP-BASED CLOSE CIRCUIT CAMERA SURVEILLANCE SYSTEM					
1	<u>IP-BASED BULLET CAMERA</u> HD IP Box/Bullet Camera (2.0MP Varifocal IR Bullet Camera) 1/2.8" 2MP CMOS Sensor • H.264/M-JPEG & Triple Stream Encoding • Max 1080P@25/30fps, Lens: 2.8-12mm, IR LEDs: 30m-50m • VCA: Tripwire/Perimeter • Dual-ICR, WDR, ROI, BLC, 1/1ch Audio I/O, 1/0ch Alarm I/O • PoE, TVS 6000V Protection, Micro SD Slot up to 128GB, USB • Material: Metal, IP67	No.	10	21,382.00	2,13,820.00
2	<u>IP-BASED DOME CAMERA</u> HD IP Dome Camera (2.0MP Vandal proof varifocal IR Dome Camera) 1/2.8" 2MP CMOS Sensor • H.264/M-JPEG & Triple Stream Encoding • Max 1080P@25/30fps, Lens: 2.8-12mm, IR LEDs: 30m-50m • VCA: Tripwire/Perimeter • Dual-ICR, WDR, ROI, BLC, 1/1ch Audio I/O, 1/0ch Alarm I/O • PoE, TVS 6000V Protection, Micro SD Slot up to 128GB, USB • Material: Metal, IP66, IK10	No.	2	21,382.00	42,764.00
3	<u>NVR (NETWORK VIDEO RECORDER) OF 16 CHANNELS WITH 12 TB HDD</u> • Recording Channels Up to 16 CH • Live view Channels Up to 16 CH • Storage SATAII HDD Connector x6	No.	1	1,06,673.00	1,06,673.00

Signature with seal of the Bidder.

	<ul style="list-style-type: none"> • Power Input: 110-240V Ac, 50/60Hz • Display 2x2, 3x3, 4x4 • PTZ Control via Mouse & GUI • Internal Storage Capacity Min 12 TB • Storage Expansion up to 32 TB • Record Full-time, Schedule, etc. • Playback Multiple channels • E-map Multiple layers of maps, tree-list for the select map, Supports map-in-map function • Event & IVS Motion and digital input detection, Advanced IVS function, etc. • Remotely live-view, playback, etc. • Supports IP Cameras and video servers • Certification: CE, FCC, ROHS, STQC, ONVIF 				
4	<u>4 PORT POE SWITCH</u> <ul style="list-style-type: none"> • IEEE 802.3 10BASE-T Ethernet (twisted-pair copper) • ANSI/IEEE 802.3 NWay auto-negotiation • IEEE 802.3x flow control • IEEE 802.3u 100BASE-TX Fast Ethernet (twisted-pair copper) • 1.6 Gbps switching fabric • Ethernet • 10 Mbps (half duplex) • 20 Mbps (full duplex) • Fast Ethernet • 100 Mbps (half duplex) • 200 Mbps (full duplex) • Auto MDI/MDI-X adjustment for all ports 	No.	4	4,368.00	17,472.00
5	<u>3 MTR HDMI CABLE</u>	No.	1	410.00	410.00
6	<u>CAT-6 CABLE FOR VIDEO TRANSMISSION</u> 4 pairs 23 AWG UTP cable (Reel), 350M	Mtr	1150	22.00	25,300.00
7	<u>24 PORT POE SWITCH</u> 24 10/100/1000 Mbps gigabit ethernet ports 2 SFP port 250watts available PoE Flow control for protection against loss of data Maximum distance of 250m Light protection (6kV) Operating Temperature: 0 to 40 deg C (32 to 104 deg F)	No.	1	19,400.00	19,400.00
8	<u>HD JUNCTION BOX</u> Made in CRCA sheet paint with enamel over 2 coats of Zinc oxide fitting with lock arrangement outer type water flow(Box Size-25" Lengh+20" width+18" depth	No.	4	4,900.00	19,600.00
9	<u>JB BOX</u> Made in CRCA sheet paint with enamel over 2 coats of Zinc oxide fitting with lock arrangement outer type water flow(Box Size-12" Lengh+10" width+8" depth	No.	4	650.00	2,600.00
10	<u>COPPER CABLE</u>	Mtr	600		46,800.00

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	1.5 sqm copper cabling and Misc. items for connecting the power supply to each camera.			78.00	
11	<u>ELECTRICAL EXTENSION BOARD</u> 2 no Switch with 2 no 5 pin socket	No.	5	210.00	1,050.00
12	<u>MONITOR</u> 43" LED display or higher with full HD Professional Display	No.	1	36,400.00	36,400.00
13	<u>GI POLE</u> 20 feet long 3" dia G.I pole with 2 coated Zinc oxide	No.	4	8,460.00	33,840.00
14	<u>POINT-TO-POINT ACCESS POINT</u> Outdoor UV Stabilized Plastic Pole Mounting Kit (Included) 3W 24V, 0.5A PoE Adapter (Included) Passive Power over Ethernet (Pairs 4, 5+; 7, 8 Return) -30 to 75° C (-22 to 167° F) 5 to 95% Condensing ETSI300-019-1.4 EN 302 326 DN2	No.	6	9,465.00	56,790.00
15	<u>POINT TO MULTI-POINT BASE STATION ON ISM BRAND WITH SECTOR ANTENNA</u> Dimensions:700 x 135 x 73 mm (27.56 x 5.32 x 2.87") Frequency Range: 5.15 - 5.85 GHz Gain: 18.6 - 19.1 dBi HPOL Beamwidth: 123° (6 dB) VPOL Beamwidth: 123° (6 dB) 123° (6 dB) 123° (6 dB): 200 km/h (125 mph) Polarization: Dual-Linear	No.	1	79,713.00	79,713.00
16	<u>HDPI PIPE</u> 3/4" HDPI pipe • minimum density of 0.955 grams per cubic centimetre • Hydrostatic Design Basis (HDB) of 1,600 psi	Mtr	550	58.80	32,340.00
17	<u>GANG BOX</u> 4*4 Plastic gang box	No.	12	35.00	420.00
18	<u>OPTICAL FIBER CABLE</u> Good quality / Reputed fibre cable	Mtr	160	26.00	4,160.00
19	<u>MEDIA CONVERTER</u> Speed: 10M/100/1000M • Standard: IEEE802.3u,10/100/1000Base-T,1000Base-SX/LX,IEEE802.3ah, IEEE802.3z/ab • Flow control: IEEE8.2.3x port flow control and backpressure control • Transmission speed: 10M/100M auto-negotiation	No.	2	5,487.00	10,974.00
20	HDPI CABLE LAYING WITH DIGGING	Mtr	520	63.00	32,760.00
21	SYSTEM INTEGRATION CHARGES	LOT	1	58,800.00	58,800.00
SUB TOTAL (A)					8,42,086.00

Signature with seal of the Bidder.

B - SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF ONLINE UPS					
22	1 KVA ONLINE UPS <ul style="list-style-type: none"> • Inbuilt OVCD (Over Voltage Cut-Off Device) with Surge Protection. • Static Bypass-improves Reliability & Alarm (Optional) for Mute Mode. • Smart LCD Display for Real-time information. • SNMP Card (Optional) on demand. • EMI Noise Filter With Isolation Transformer (Optional). • Efficient Micro Controller based. • Over Temperature Indication & Protection. • Advanced PFC Technology & Generator Compatible. • Robust Product-improves Power Quality with Reliability. • Configurable Output Voltage settings & External Charger up to 8 Amps. • Output Frequency fixed at 50Hz or can be synchronized with Input Frequency. 	No.	4	21,094.00	84,376.00
SUB TOTAL (B) -					84,376.00
TOTAL ESTIMATED COST OF (A + B) EXCLUSIVE OF GST -					9, 26,462.00
Rupees Nine Lakh Twenty Six Thousand Four Hundred Sixty-Two Only.					

Please Fill up the Appropriate Box (Quoted Amount)

Excess %		OR	Less%		than Estimated Cost of Rs.9, 26,462.00
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Quoted Amount in Figure: - Rs.

Quoted Amount in Word: -

Sd/-
Technical Asst. (Elect)

Sd/-
Asst. Project Manager (Elect) Hqr.

Sd/-
Project Manager (Elect)

Signature with seal of the Bidder.