SGNR | CCTV SURVEILLANCE EQUIPMENT

Item-wise Technical Specifications and Prices

Project Item Summary

No.	Item	Technical Specification	Unit	Qty.	Price (INR)
1	**PTZ CAMERA**	5MP Ultra-HD Resolution: Captures crisp, detailed video at a maximum resolution of up to 2960×1668 pixels. Powerful 45× optical zoom (plus 16× digital zoom) allows for extreme long-range identification of license plates, faces, and fine details. Long-Range Night Vision: Powerful Infrared (IR) LEDs cover distances up to 300 meters, supported by Starlight technology for superior low-light performance. Smart AI & Video Analytics (IVS): Features advanced AI capabilities including Face Detection, Tripwire, Intrusion Detection, Auto-Tracking, and Perimeter Protection. Advanced Image Enhancement: Equipped with 120dB True WDR, Optical Defog, and 3D DNR to ensure clear image quality under harsh glare, shadows, or foggy environments. Rugged & Weatherproof: Built with an IP67 weather-resistant and IK10 vandal-proof housing, featuring PoE+ (Power over Ethernet) support for clean, efficient installation.	NO.	43	
2	**VERIFOCAL CAMERA**	4MP HD Clarity: Delivers high-resolution video at up to 2688× 1520 pixels for sharp picture detail.Motorized Varifocal Lens 2.7mm - 13.5mm Allows remote adjustment of the viewing angle and zoom level to focus precisely on specific target areas.Smart Dual Light Illumination: Provides up to 60 meters of Infrared (IR) night vision along with 60 meters of Warm Light for full-color surveillance in total darkness.Audio & Storage: Includes a Built-in Microphone for audio recording and supports local storage via MicroSD card (up to 512GB). 120dB True WDR & Starlight: Ensures high-quality, clear video under challenging light conditions like harsh glare, shadows, or ultra-low ambient light.Smart AI & Video Analytics (IVS): Supports Smart Motion Detection (SMD), Tripwire, and Intrusion Detection to minimize false alarms.Weatherproof & Efficient: Encased in an IP67 weather-resistant (with optional IK10 vandal-proof) housing and powered via PoE (Power over Ethernet).	NO.	86	
3	**ANPR CAMERA**	4MP HD Resolution: Captures clear video at up to 2688 ×1520 pixels using a large 1/1.8'' image sensor.10mm – 50mm Motorized Varifocal Lens: Allows remote optical zoom adjustment to focus on vehicle lanes from long distances.Advanced ANPR & AI Analytics: Automatically recognizes vehicle license plates, plate colors, vehicle types, body colors, and logos.140dB Ultra WDR: Balances extreme bright glare (like direct sunlight or headlights) and dark shadows for high contrast scenes.Night Vision: Features up to 30 meters of IR coverage with Starlight ultra-low-light sensitivity for 24/7 vehicle monitoring. Rugged & Compliant: Built with an IP67 weatherproof and IK10 vandal-proof housing,STQC approved for government and enterprise deployments.	NO.	13	
5	**NVR**	8-Channel 4K Input: Supports up to 8 IP cameras with preview and recording resolutions up to 12 Megapixels. 4K HDMI & VGA Video Output: Features simultaneous HDMI (up to 3840 ×2160 4K UHD) and VGA outputs for crystal-clear monitoring.Massive Storage Capacity: Equipped with 2 SATA ports, supporting up to 20TB per hard drive (up to 40TB total) for long-term recording storage.High Network Bandwidth: Delivers up to 160 Mbps incoming/recording bandwidth (80 Mbps with AI features enabled).	NO.	43	
6	**HARD DRIVE**	The WD Purple 2TB Surveillance Hard Drive is specifically engineered for 24/7, always-on High-Definition CCTV security systems. Unlike standard desktop hard drives, WD Purple drives are optimized to withstand high temperature fluctuations and equipment vibrations inside continuous video recording environments (DVRs and NVRs).	NO.	43	

No.	Item	Technical Specification	Unit	Qty.	Price (INR)
7	**POE SWICH**	10-Port Gigabit Easy Managed PoE+ Network Switch,comprising 8 × 10/100/1000 Mbps IEEE 802.3af/at PoE+ RJ45 ports, 1 × Gigabit RJ45 port and 1 × Gigabit SFP/RJ45 combo port, with minimum 63 W total PoE budget, 20 Gbps switching capacity, 14.88 Mpps forwarding rate and 8K MAC address table. Switch shall support IEEE 802.1Q VLAN, QoS, IGMP Snooping, Port Isolation, Loop Prevention, Link Aggregation, LLDP, Port Mirroring, PoE Auto Recovery and centralized/cloud-based management	NO.	43	
8	**CAT6 OUTDOOR WIRE**	Outdoor Cat6 UTP LAN cable for connecting pole-mounted IP cameras to the PoE switch housed in the outdoor cabinet on the same pole. Cable shall be 23AWG solid copper, Gigabit Ethernet and PoE suitable, UV-resistant outdoor sheath, with RJ45 connectors, boots, cable glands, crimping, laying, dressing, tagging, testing and commissioning. Maximum cable distance from camera to PoE switch shall be within 100 meters.	Roll	43	
9	**OUTDOOR CABINATE**	Outdoor pole- wall- or base-mountable 4U enclosure with 19-inch equipment mounting arrangement approximate dimensions 258 mm height × 550 mm width × 500 mm depth fabricated from 1.2/1.5 mm thick galvanized steel sheet welded rigid construction; IP55 protection against dust and water jets powder-coated outdoor finish; lockable front-access door integrated side panels, canopy and bottom cover; cable-entry provisions; earthing and bonding provision; suitable for housing the PoE switch, industrial router, power converters, surge-protection devices and network accessories. Complete with horizontal PDU, equipment tray, cable manager, mounting hardware and forced-ventilation fan assembly.	NO.	43	
10	**CAMERA JUNCTION BOX**	Outdoor weatherproof junction box suitable for bullet IP camera installation, IP65/IP66 or higher, compatible with pole-mounted camera installation, suitable for protecting RJ45 connector, camera pigtail, cable joints, glands and terminations from dust, rain, heat and tampering. Includes cable glands, screws, clamps, fixing accessories, installation, testing and	NO.	142	
11	**POLE MOUNTED**	Custom-built GI/steel pole-mounted structure designed to host 4 nos. IP cameras, solar panel assembly, and outdoor equipment cabinet on the same structure. Includes GI/steel pole with base plate, camera mounting brackets, solar panel mounting frame, cabinet mounting arrangement, complete foundation, nuts, bolts, clamps, fasteners and required fittings. Structure shall be hot-dip galvanized with minimum average coating thickness of 65 microns, suitable for outdoor desert conditions, dust, heat and wind load as per IS 875. Includes excavation, PCC/RCC foundation, reinforcement, shuttering, footing and pedestal with M-20 concrete, installation, alignment, testing and commissioning.	NO.	43	
12	**Solar System**	Power Consuption oprated with Solar System including plate of soalar and Batery system and convertor	NO.	43	
13	**AMC**	AMC FOR 2 YEAR			

No.	Item	Technical Specification	Unit	Qty.	Price (INR)
14	**Industrial router**	Industrial 4G LTE Cellular Router supporting LTE Cat 4 with download speed up to 150 Mbps, 3G/2G fallback, IEEE 802.11b/g/n Wi-Fi in Access Point/Station mode, and minimum 2 × 10/100 Mbps Ethernet ports (1 × LAN and 1 × WAN). Router shall support SIM-based cellular connectivity, VPN, firewall, VLAN, DHCP, static/dynamic routing, NAT, port forwarding, remote management, SMS-based monitoring/control, bridge and passthrough modes	NO.	43	
15	**Antenna**	Outdoor MIMO Cellular/LTE Antenna, suitable for 2G/3G/4G LTE communication, comprising dual antenna elements for 2 × 2 MIMO operation, wide-band cellular frequency coverage, 2 × SMA male connectors with low-loss coaxial cables, omnidirectional radiation pattern and roof/panel mounting arrangement	NO.	43	
16	**Modem Data Plan**	Airtel/jio 1 year data plan	NO.	516	

This sheet does not contain a price column in the supplied workbook.

Control Room / Central Equipment

No.	Item	Technical Specification	Unit	Qty.	Price (INR)
1	**Desktop pc**	Intel Core Ultra 5 225 or higher, 16GB DDR5 RAM or higher, 4TB HDD or higher, Ubuntu 24.04 LTS, USB keyboard and optical mouse, 21.5-inch Full HD monitor	PCS	1	205,725
2	**Led**	43-inch/108 cm LED smart television with 4K UHD resolution of 3840* 2160 pixels; native 60 Hz refresh rate; AI Processor 4K Gen6; 4K upscaling; HDR10 and HLG support webOS smart operating system; 20 W, 2-channel audio output HDMI, USB, LAN, Wi-Fi and Bluetooth connectivity; supplied with remote control, power cable and suitable wall-mount bracket	PCS	1	46,947.50
3	**CORE SWICH**	Enterprise-Grade Managed Gigabit Ethernet Switch suitable for access or aggregation layer deployment in enterprise, campus and surveillance networks. The switch shall provide a minimum of 24 Gigabit Ethernet access ports with additional fiber uplink interfaces, and shall support adequate switching capacity and forwarding performance for wire-speed operation. The switch shall support standard Layer 2 and Layer 2+ features including IEEE 802.1Q VLAN, STP/RSTP/MSTP, Link Aggregation/LACP, IGMP Snooping, QoS, ACL, Port Security, Storm Control, Port Mirroring, LLDP/LLDP-MED, IPv4/IPv6 and static routing. It shall also support secure network administration through Web GUI, CLI, SSH, SNMP and centralized or cloud-based management.	PCS	5	15,825
4	**ROUTER**	Enterprise-Grade Multi-WAN VPN Router / Security Gateway suitable for high-speed branch, campus or enterprise network applications. The device shall support Gigabit and 10-Gigabit WAN/LAN connectivity, multiple WAN links with load balancing and automatic failover, VLAN, NAT, DHCP, static and policy-based routing, traffic management, firewall and network security functions. It shall support commonly used secure VPN technologies such as IPSec, SSL VPN, OpenVPN and equivalent industry-standard protocols, with hardware-accelerated VPN performance suitable for enterprise applications. The gateway shall provide high concurrent-session handling capacity, centralized and/or cloud-based management, remote administration, monitoring and configuration backup.	PCS	5	19,623
5	**RACK**	17U Floor Standing Network Rack, 19-inch standard equipment mounting, approximately $600\text{ mm width} \times 800\text{ mm depth}$, heavy-duty powder-coated steel construction, with lockable front and rear doors, removable side panels, adequate ventilation and cooling fan provision, top/bottom cable entry, cable management provision, castor wheels, suitable PDU provision, complete with required mounting hardware and accessories, or equivalent.	PCS	5	26,541.69
6	**Accessories**	CABLE , PATCH PANEL AND OTHER	PCS	5	14,643.40

No.	Item	Technical Specification	Unit	Qty.	Price (INR)
7	**SWICH**	Enterprise-Grade Managed Gigabit Ethernet Switch suitable for access or aggregation layer deployment in enterprise, campus and surveillance networks. The switch shall provide a minimum of 24 Gigabit Ethernet access ports with additional fiber uplink interfaces, and shall support adequate switching capacity and forwarding performance for wire-speed operation. The switch shall support standard Layer 2 and Layer 2+ features including IEEE 802.1Q VLAN, STP/RSTP/MSTP, Link Aggregation/LACP, IGMP Snooping, QoS, ACL, Port Security, Storm Control, Port Mirroring, LLDP/LLDP-MED, IPv4/IPv6 and static routing. It shall also support secure network administration through Web GUI, CLI, SSH, SNMP and centralized or cloud-based management	PCS	5	6,752
8	**UPS**	Inverter: Pure Sine Wave Inverter/UPS ([e.g., 3.5 kVA]), DSP controlled, LCD display, overload/short-circuit protection.Battery: Heavy-Duty Tubular / SMF / Li-ion Battery Bank ([e.g., 200 Ah]), [e.g., 2–4 Hours] backup, complete with battery rack and connecting cables.	PCS	5	47,475
9	**AI License Per Camera**	AI License Subscription for 2 years	PCS	5	15,825
10	**MONITORING**	MONITORING PERSON FOR CONTROL ROOM	NO.	5	379,800
		TOTAL			779,157.59

Type 1 Equipment

No.	Item	Technical Specification	Unit	Qty.	Price (INR)
1	**PTZ CAMERA**	5MP Ultra-HD Resolution: Captures crisp, detailed video at a maximum resolution of up to 2960×1668 pixels. Powerful 45× optical zoom (plus 16× digital zoom) allows for extreme long-range identification of license plates, faces, and fine details. Long-Range Night Vision: Powerful Infrared (IR) LEDs cover distances up to 300 meters, supported by Starlight technology for superior low-light performance. Smart AI & Video Analytics (IVS): Features advanced AI capabilities including Face Detection, Tripwire, Intrusion Detection, Auto-Tracking, and Perimeter Protection. Advanced Image Enhancement: Equipped with 120dB True WDR, Optical Defog, and 3D DNR to ensure clear image quality under harsh glare, shadows, or foggy environments. Rugged & Weatherproof: Built with an IP67 weather-resistant and IK10 vandal-proof housing, featuring PoE+ (Power over Ethernet) support for clean, efficient installation.	NO.	1	174,075
2	**VERIFOCAL CAMERA**	4MP HD Clarity: Delivers high-resolution video at up to 2688× 1520 pixels for sharp picture detail.Motorized Varifocal Lens 2.7mm - 13.5mm Allows remote adjustment of the viewing angle and zoom level to focus precisely on specific target areas.Smart Dual Light Illumination: Provides up to 60 meters of Infrared (IR) night vision along with 60 meters of Warm Light for full-color surveillance in total darkness.Audio & Storage: Includes a Built-in Microphone for audio recording and supports local storage via MicroSD card (up to 512GB). 120dB True WDR & Starlight: Ensures high-quality, clear video under challenging light conditions like harsh glare, shadows, or ultra-low ambient light.Smart AI & Video Analytics (IVS): Supports Smart Motion Detection (SMD), Tripwire, and Intrusion Detection to minimize false alarms.Weatherproof & Efficient: Encased in an IP67 weather-resistant (with optional IK10 vandal-proof) housing and powered via PoE (Power over Ethernet).	NO.	2	29,540
5	**NVR**	8-Channel 4K Input: Supports up to 8 IP cameras with preview and recording resolutions up to 12 Megapixels. 4K HDMI & VGA Video Output: Features simultaneous HDMI (up to 3840 ×2160 4K UHD) and VGA outputs for crystal-clear monitoring.Massive Storage Capacity: Equipped with 2 SATA ports, supporting up to 20TB per hard drive (up to 40TB total) for long-term recording storage.High Network Bandwidth: Delivers up to 160 Mbps incoming/recording bandwidth (80 Mbps with AI features enabled).	NO.	1	15,297.50
6	**HARD DRIVE**	The WD Purple 2TB Surveillance Hard Drive is specifically engineered for 24/7, always-on High-Definition CCTV security systems. Unlike standard desktop hard drives, WD Purple drives are optimized to withstand high temperature fluctuations and equipment vibrations inside continuous video recording environments (DVRs and NVRs).	NO.	1	14,770
7	**POE SWICH**	10-Port Gigabit Easy Managed PoE+ Network Switch,comprising 8 × 10/100/1000 Mbps IEEE 802.3af/at PoE+ RJ45 ports, 1 × Gigabit RJ45 port and 1 × Gigabit SFP/RJ45 combo port, with minimum 63 W total PoE budget, 20 Gbps switching capacity, 14.88 Mpps forwarding rate and 8K MAC address table. Switch shall support IEEE 802.1Q VLAN, QoS, IGMP Snooping, Port Isolation, Loop Prevention, Link Aggregation, LLDP, Port Mirroring, PoE Auto Recovery and centralized/cloud-based management	NO.	1	13,904.90

No.	Item	Technical Specification	Unit	Qty.	Price (INR)
8	**CAT6 OUTDOOR WIRE**	Outdoor Cat6 UTP LAN cable for connecting pole-mounted IP cameras to the PoE switch housed in the outdoor cabinet on the same pole. Cable shall be 23AWG solid copper, Gigabit Ethernet and PoE suitable, UV-resistant outdoor sheath, with RJ45 connectors, boots, cable glands, crimping, laying, dressing, tagging, testing and commissioning. Maximum cable distance from camera to PoE switch shall be within 100 meters.	Roll	1	4,220
9	**OUTDOOR CABINATE**	Outdoor pole- wall- or base-mountable 4U enclosure with 19-inch equipment mounting arrangement approximate dimensions 258 mm height × 550 mm width × 500 mm depth fabricated from 1.2/1.5 mm thick galvanized steel sheet welded rigid construction; IP55 protection against dust and water jets powder-coated outdoor finish; lockable front-access door integrated side panels, canopy and bottom cover; cable-entry provisions; earthing and bonding provision; suitable for housing the PoE switch, industrial router, power converters, surge-protection devices and network accessories. Complete with horizontal PDU, equipment tray, cable manager, mounting hardware and forced-ventilation fan assembly.	NO.	1	12,660
10	**CAMERA JUNCTION BOX**	Outdoor weatherproof junction box suitable for bullet IP camera installation, IP65/IP66 or higher, compatible with pole-mounted camera installation, suitable for protecting RJ45 connector, camera pigtail, cable joints, glands and terminations from dust, rain, heat and tampering. Includes cable glands, screws, clamps, fixing accessories, installation, testing and	NO.	3	580.25
11	**POLE MOUNTED**	Custom-built GI/steel pole-mounted structure designed to host 4 nos. IP cameras, solar panel assembly, and outdoor equipment cabinet on the same structure. Includes GI/steel pole with base plate, camera mounting brackets, solar panel mounting frame, cabinet mounting arrangement, complete foundation, nuts, bolts, clamps, fasteners and required fittings. Structure shall be hot-dip galvanized with minimum average coating thickness of 65 microns, suitable for outdoor desert conditions, dust, heat and wind load as per IS 875. Includes excavation, PCC/RCC foundation, reinforcement, shuttering, footing and pedestal with M-20 concrete, installation, alignment, testing and commissioning.	NO.	1	28,168.50
12	**Solar System**	Power Consuption oprated with Solar System including plate of soalar and Batery system and convertor	NO.	1	78,386.50
13	**AMC**	AMC FOR 2 YEAR			52,750
14	**Industrial router**	Industrial 4G LTE Cellular Router supporting LTE Cat 4 with download speed up to 150 Mbps, 3G/2G fallback, IEEE 802.11b/g/n Wi-Fi in Access Point/Station mode, and minimum 2 × 10/100 Mbps Ethernet ports (1 × LAN and 1 × WAN). Router shall support SIM-based cellular connectivity, VPN, firewall, VLAN, DHCP, static/dynamic routing, NAT, port forwarding, remote management, SMS-based monitoring/control, bridge and passthrough modes	NO.	1	23,737.50
15	**Antenna**	Outdoor MIMO Cellular/LTE Antenna, suitable for 2G/3G/4G LTE communication, comprising dual antenna elements for 2 × 2 MIMO operation, wide-band cellular frequency coverage, 2 × SMA male connectors with low-loss coaxial cables, omnidirectional radiation pattern and roof/panel mounting arrangement	NO.	1	527.50

No.	Item	Technical Specification	Unit	Qty.	Price (INR)
16	**Modem Data Plan**	Airtel/jio 1 year data plan	NO.	24	14,770
17	**AI License Per Camera**	AI License Subscription for 2 years	NO.	3	15,192
		TOTAL			371,602.65

Type 2 Equipment

No.	Item	Technical Specification	Unit	Qty.	Price (INR)
	TYPE 2				
1	**PTZ CAMERA**	5MP Ultra-HD Resolution: Captures crisp, detailed video at a maximum resolution of up to 2960×1668 pixels. Powerful 45× optical zoom (plus 16× digital zoom) allows for extreme long-range identification of license plates, faces, and fine details. Long-Range Night Vision: Powerful Infrared (IR) LEDs cover distances up to 300 meters, supported by Starlight technology for superior low-light performance. Smart AI & Video Analytics (IVS): Features advanced AI capabilities including Face Detection, Tripwire, Intrusion Detection, Auto-Tracking, and Perimeter Protection. Advanced Image Enhancement: Equipped with 120dB True WDR, Optical Defog, and 3D DNR to ensure clear image quality under harsh glare, shadows, or foggy environments. Rugged & Weatherproof: Built with an IP67 weather-resistant and IK10 vandal-proof housing, featuring PoE+ (Power over Ethernet) support for clean, efficient installation.	NO.	1	174,075
2	**VERIFOCAL CAMERA**	4MP HD Clarity: Delivers high-resolution video at up to 2688× 1520 pixels for sharp picture detail.Motorized Varifocal Lens 2.7mm - 13.5mm Allows remote adjustment of the viewing angle and zoom level to focus precisely on specific target areas.Smart Dual Light Illumination: Provides up to 60 meters of Infrared (IR) night vision along with 60 meters of Warm Light for full-color surveillance in total darkness.Audio & Storage: Includes a Built-in Microphone for audio recording and supports local storage via MicroSD card (up to 512GB). 120dB True WDR & Starlight: Ensures high-quality, clear video under challenging light conditions like harsh glare, shadows, or ultra-low ambient light.Smart AI & Video Analytics (IVS): Supports Smart Motion Detection (SMD), Tripwire, and Intrusion Detection to minimize false alarms.Weatherproof & Efficient: Encased in an IP67 weather-resistant (with optional IK10 vandal-proof) housing and powered via PoE (Power over Ethernet).	NO.	2	29,540
3	**ANPR CAMERA**	4MP HD Resolution: Captures clear video at up to 2688 ×1520 pixels using a large 1/1.8'' image sensor.10mm – 50mm Motorized Varifocal Lens: Allows remote optical zoom adjustment to focus on vehicle lanes from long distances.Advanced ANPR & AI Analytics: Automatically recognizes vehicle license plates, plate colors, vehicle types, body colors, and logos.140dB Ultra WDR: Balances extreme bright glare (like direct sunlight or headlights) and dark shadows for high contrast scenes.Night Vision: Features up to 30 meters of IR coverage with Starlight ultra-low-light sensitivity for 24/7 vehicle monitoring. Rugged & Compliant: Built with an IP67 weatherproof and IK10 vandal-proof housing,STQC approved for government and enterprise deployments.	NO.	1	91,320.80
5	**NVR**	8-Channel 4K Input: Supports up to 8 IP cameras with preview and recording resolutions up to 12 Megapixels. 4K HDMI & VGA Video Output: Features simultaneous HDMI (up to 3840 ×2160 4K UHD) and VGA outputs for crystal-clear monitoring.Massive Storage Capacity: Equipped with 2 SATA ports, supporting up to 20TB per hard drive (up to 40TB total) for long-term recording storage.High Network Bandwidth: Delivers up to 160 Mbps incoming/recording bandwidth (80 Mbps with AI features enabled).	NO.	1	32,177.50
6	**HARD DRIVE**	The WD Purple 2TB Surveillance Hard Drive is specifically engineered for 24/7, always-on High-Definition CCTV security systems. Unlike standard desktop hard drives, WD Purple drives are optimized to withstand high temperature fluctuations and equipment vibrations inside continuous video recording environments (DVRs and NVRs).	NO.	1	14,770

No.	Item	Technical Specification	Unit	Qty.	Price (INR)
7	**POE SWICH**	10-Port Gigabit Easy Managed PoE+ Network Switch,comprising 8 × 10/100/1000 Mbps IEEE 802.3af/at PoE+ RJ45 ports, 1 × Gigabit RJ45 port and 1 × Gigabit SFP/RJ45 combo port, with minimum 63 W total PoE budget, 20 Gbps switching capacity, 14.88 Mpps forwarding rate and 8K MAC address table. Switch shall support IEEE 802.1Q VLAN, QoS, IGMP Snooping, Port Isolation, Loop Prevention, Link Aggregation, LLDP, Port Mirroring, PoE Auto Recovery and centralized/cloud-based management	NO.	1	13,904.90
8	**CAT6 OUTDOOR WIRE**	Outdoor Cat6 UTP LAN cable for connecting pole-mounted IP cameras to the PoE switch housed in the outdoor cabinet on the same pole. Cable shall be 23AWG solid copper, Gigabit Ethernet and PoE suitable, UV-resistant outdoor sheath, with RJ45 connectors, boots, cable glands, crimping, laying, dressing, tagging, testing and commissioning. Maximum cable distance from camera to PoE switch shall be within 100 meters.	Roll	1	4,220
9	**OUTDOOR CABINATE**	Outdoor pole- wall- or base-mountable 4U enclosure with 19-inch equipment mounting arrangement approximate dimensions 258 mm height × 550 mm width × 500 mm depth fabricated from 1.2/1.5 mm thick galvanized steel sheet welded rigid construction; IP55 protection against dust and water jets powder-coated outdoor finish; lockable front-access door integrated side panels, canopy and bottom cover; cable-entry provisions; earthing and bonding provision; suitable for housing the PoE switch, industrial router, power converters, surge-protection devices and network accessories. Complete with horizontal PDU, equipment tray, cable manager, mounting hardware and forced-ventilation fan assembly.	NO.	1	12,660
10	**CAMERA JUNCTION BOX**	Outdoor weatherproof junction box suitable for bullet IP camera installation, IP65/IP66 or higher, compatible with pole-mounted camera installation, suitable for protecting RJ45 connector, camera pigtail, cable joints, glands and terminations from dust, rain, heat and tampering. Includes cable glands, screws, clamps, fixing accessories, installation, testing and	NO.	4	685.75
11	**POLE MOUNTED**	Custom-built GI/steel pole-mounted structure designed to host 4 nos. IP cameras, solar panel assembly, and outdoor equipment cabinet on the same structure. Includes GI/steel pole with base plate, camera mounting brackets, solar panel mounting frame, cabinet mounting arrangement, complete foundation, nuts, bolts, clamps, fasteners and required fittings. Structure shall be hot-dip galvanized with minimum average coating thickness of 65 microns, suitable for outdoor desert conditions, dust, heat and wind load as per IS 875. Includes excavation, PCC/RCC foundation, reinforcement, shuttering, footing and pedestal with M-20 concrete, installation, alignment, testing and commissioning.	NO.	1	28,168.50
12	**Solar System**	Power Consuption oprated with Solar System including plate of soalar and Batery system and convertor	NO.	1	78,386.50
13	**AMC**	AMC FOR 2 YEAR			63,300

No.	Item	Technical Specification	Unit	Qty.	Price (INR)
14	**Industrial router**	Industrial 4G LTE Cellular Router supporting LTE Cat 4 with download speed up to 150 Mbps, 3G/2G fallback, IEEE 802.11b/g/n Wi-Fi in Access Point/Station mode, and minimum 2 × 10/100 Mbps Ethernet ports (1 × LAN and 1 × WAN). Router shall support SIM-based cellular connectivity, VPN, firewall, VLAN, DHCP, static/dynamic routing, NAT, port forwarding, remote management, SMS-based monitoring/control, bridge and passthrough modes	NO.	1	23,737.50
15	**Antenna**	Outdoor MIMO Cellular/LTE Antenna, suitable for 2G/3G/4G LTE communication, comprising dual antenna elements for 2 × 2 MIMO operation, wide-band cellular frequency coverage, 2 × SMA male connectors with low-loss coaxial cables, omnidirectional radiation pattern and roof/panel mounting arrangement	NO.	1	527.50
16	**Modem Data Plan**	Airtel/jio 1 year data plan	NO.	24	14,770
17	**AI License Per Camera**	AI License Subscription for 2 years	NO.	4	11,394
		TOTAL			479,908.95

REVISED COMMERCIAL SUMMARY

All listed prices increased by 5.5% from the supplied proposal.

PROJECT GRAND TOTAL (INCLUDING GST)

INR 2,36,82,230

Target total supplied by client; adjusted from earlier project presentation.

Original project total: INR 2,24,47,612 | 5.5% calculation: INR 2,36,82,230.66

Difference of INR 0.66 reflects client-specified whole-rupee target.

Note: The original PDF contains inconsistencies between item prices and displayed subtotals.

Revised displayed subtotals follow the original stated totals, not a recalculated BOQ.

Verify the item-wise BOQ, tax treatment and final amount before tender submission.