

Form T-8: Make and Model List (Unpriced BoM)

Bidder Name:

<Bidder Name>

To,

Authorized Signatory

NHIT Southern Projects Private Limited (NSPPL)

Unit No.: 324, 3rd Floor, D21 - Corporate Park,

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Sub.: Request for Proposal (RFP) for Selection of System Integrator for Design, Supply, Installation, Configuration, Integration, Test O&M of Advanced Traffic Management System (ATMS) Tender No: NSPPL/ATMS/2025/01 dated 18-08-2025

We hereby confirm that we have diligently examined the RFP ref. "Tender No: NSPPL/ATMS/2025/01 dated 18-08-2025".

The make and model detailed in the table below adhere strictly to the prescribed specifications. We further affirm that the proposed items remain unchanged throughout the duration of the contract:

SL#	Parameter	Specification	
1.1.1 TMCS Cameras	<i><Make & Model></i>	<i><Origin of Country and Operating History></i>	<i>Operating History</i>
<i>1.1.1.1</i>	Rated Resolution		
<i>1.1.1.2</i>	Minimum Sensitivity		
<i>1.1.1.3</i>	Light Range Adaptation		
<i>1.1.1.4</i>	Environmental Rating		
<i>1.1.1.5</i>	Day/Night Functionality		

SL#	Parameter	Specification	
1.1.1.6	IR Illuminator		
1.1.1.7	Communication		
1.1.1.8	PTZ Functionality		
1.1.1.9	Window		
1.1.1.10	Housing		
1.1.1.11	Image Stability		
1.1.1.12	Image Sensor		
1.1.1.13	Resolution		
1.1.1.14	Sensitivity		
1.1.1.15	Focus		
1.1.1.16	Optical Zoom		
1.1.1.17	Digital Zoom		
1.1.1.18	Night Vision		
1.1.1.19	Signal to Noise Ratio		
1.1.1.20	AGC		
1.1.1.21	White Balance		
1.1.1.22	Electronic Shutter		
1.1.1.23	Iris Control		
1.1.1.24	Encoding		
1.1.1.25	Video Output		
1.1.1.26	Pan Range		
1.1.1.27	Pan Speed		
1.1.1.28	Tilt Range		
1.1.1.29	Tilt Speed		
1.1.1.30	Preset Positions		
1.1.1.31	Housing		
1.1.1.32	Power		
1.1.1.33	Protection		
1.1.2.1	Road Side Unit for TMCS		
1.1.3.1	Operating Temperature and Humidity		
1.1.3.2	Camera Housing		
1.2.1 VIDES Camera (Overview)	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.2.1.1	Camera Type		
1.2.1.2	Image Quality		
1.2.1.3	Low-light Performance		

SL#	Parameter	Specification	
1.2.1.4	Night Vision		
1.2.1.5	Rated Input Voltage		
1.2.1.6	Imager		
1.2.1.7	Sync. System		
1.2.1.8	Active Picture Elements		
1.2.1.9	Signal to Noise Ratio		
1.2.1.10	Minimum Illumination		
1.2.1.11	Electronic Shutter		
1.2.1.12	Back Light Compensation		
1.2.1.13	Camera Text in Picture		
1.2.1.14	Encoding for ATMS Integration		
1.2.1.15	Night Vision Capabilities		
1.2.2 ANPR Camera	<i><Make & Model></i>	<i><Origin of Country and Operating History></i>	<i>Operating History</i>
1.2.2.1	Camera Placement		
1.2.2.2	Number Plate Capture		
1.2.2.3	Incident Linking		
1.2.2.4	License Plate Types		
1.2.2.5	Incident Detection		
1.2.2.6	ANPR Success Rate		
1.2.2.7	Weather Resistance		
1.2.2.8	Manual Recognition		
1.2.2.9	Challan Verification		
1.2.2.10	Calibration and Testing		
1.2.2.11	Number Plate Alarms		
1.2.2.12	Rated Input Voltage		
1.2.2.13	Imager		
1.2.2.14	Sync. System		
1.2.2.15	Active Picture Elements		
1.2.2.16	Signal to Noise Ratio		
1.2.2.17	Minimum Illumination		
1.2.2.18	Electronic Shutter		
1.2.2.19	Back Light Compensation		
1.2.2.20	Camera Text in Picture		
1.2.2.21	Encoding for ATMS Integration		
1.2.2.22	Night Vision Capabilities		
1.2.3 Camera Housing (for ANPR and Overview cameras)			
1.2.3.1	IP Rating		
1.2.3.2	Camera Mounting		

SL#	Parameter	Specification	
1.2.3.3	Cable Entry		
1.2.3.4	Finish		
1.2.3.5	Construction		
1.2.3.6	Fan-Assisted		
1.2.4 Amber Flashing Light	<i><Make & Model></i>	<i><Origin of Country and Operating History></i>	<i>Operating History</i>
1.2.4.1	Pole mounted flashing lights		
1.2.4.2	Power supply		
1.2.4.3	Interconnection		
1.2.4.4	Flashing mode activation		
1.2.4.5	Remote control		
1.2.4.6	Flashing mode deactivation		
1.2.4.7	Failure mode		
1.2.5.1	Road Side Unit for VIDES		
1.2.6.1	Operating Temperature and Humidity		
1.2.6.2	Equipment Housing		
1.3.1 Speed Display	<i><Make & Model></i>	<i><Origin of Country and Operating History></i>	<i>Operating History</i>
1.3.1.1	Display Construction		
1.3.1.2	Display Panel		
1.3.1.3	Multiplexing Ratio		
1.3.1.4	LEDs		
1.3.1.5	Communication Interface		
1.3.1.6	Data Logging		
1.3.1.7	Real-Time Violation Event Reporting		
1.3.1.8	Brightness Control		
1.3.1.9	PCB Material and Thickness		
1.3.1.10	Local Diagnostics		
1.3.1.11	Fault Diagnostics		
1.3.1.12	Display size		
1.3.1.13	Viewing Angle		
1.3.1.14	Color and Wavelength (nm)		
1.3.1.15	Luminous Intensity		
1.3.1.16	Power Feed		
1.3.1.17	Mounting		
1.3.1.18	Humidity		

SL#	Parameter	Specification	
1.3.1.19	Operating Temperature (Ambient)		
1.3.1.20	Construction		
1.3.1.21	Communication		
1.3.1.22	Protocol		
1.3.1.23	Operation		
1.3.2 Speed Radar	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.3.2.1	Monitoring Lanes		
1.3.2.2	VASD Display		
1.3.2.3	Hard/Earthen Shoulder		
1.3.2.4	Tracking Scenarios		
1.3.2.5	Accuracy		
1.3.2.6	Operational Range		
1.3.2.7	Tracking Capacity		
1.3.2.8	Speed Detection Accuracy		
1.3.2.9	Inbuilt or external Radar in VASD		
1.3.2.10	Calibration and Testing		
1.3.3 VASD Road Side Unit			
1.3.3.1	Road Side Unit for VASD		
1.3.4.1	Change of Temperature Test		
1.3.4.2	Dry Heat Test		
1.3.4.3	Cold Test		
1.3.4.4	Damp Heat Test (Cyclic)		
1.3.4.5	Damp Heat Test (Steady State Storage)		
1.3.4.6	Salt Mist Test		
1.3.4.7	Dust Test		
1.3.4.8	Bump Test		
1.3.4.9	Vibration Test		
1.4.1 VMS	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.4.1.1	Display Construction		
1.4.1.2	Display Panel		
1.4.1.3	Multiplexing Ratio		
1.4.1.4	LEDs		
1.4.1.5	Display Row Independence		
1.4.1.6	Character Encoding		

SL#	Parameter	Specification	
1.4.1.7	Pixel Pitch		
1.4.1.8	Viewing Distance		
1.4.1.9	Data Integrity		
1.4.1.10	Automatic Intensity Adjustment		
1.4.1.11	Display Properties		
1.4.1.12	Communication Interfaces		
1.4.1.13	Communication Protocols		
1.4.1.14	Brightness Control		
1.4.1.15	PCB Material and Thickness		
1.4.1.16	Local Diagnostics		
1.4.1.17	Physical Dimensions Portable		
	Physical Dimensions L-Type		
	Physical Dimensions M-Type		
	Depth for all VMS		
1.4.1.18	Fault Diagnostics		
1.4.1.19	VMS Housing		
1.4.1.20	Standards Compliance		
1.4.2.1	Road Side Unit for VMS		
1.4.2.2	Operating Temperature		
1.4.2.3	Relative Humidity		
1.4.2.4	Change of Temperature Test		
1.4.2.5	Dry Heat Test		
1.4.2.6	Cold Test		
1.4.2.7	Damp Heat Test (Cyclic)		
1.4.2.8	Damp Heat Test (Steady State Storage)		
1.4.2.9	Salt Mist Test		
1.4.2.10	Dust Test		
1.4.2.11	Bump Test		
1.4.2.12	Vibration Test		
1.5.1	Optical Fiber Cable (OFC)	<Make & Model>	<Origin of Country and Operating History> Operating History
1.5.1.1	Cable Type		
1.5.1.2	Fiber Count		
1.5.1.3	Fiber Type		
1.5.1.4	Fiber Attenuation		
1.5.1.5	Chromatic Dispersion		

SL#	Parameter	Specification	
1.5.1.6	Polarization Mode Dispersion (PMD)		
1.5.1.8	Tube Material		
1.5.1.9	Filling Compound		
1.5.1.10	Strength Member		
1.5.1.11	Armour		
1.5.2 OFC Duct	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.5.2.1	Material		
1.5.2.2	Outer Diameter (OD)		
1.5.2.3	Inner Diameter (ID)		
1.5.2.4	Wall Thickness		
1.5.2.5	Internal Lubrication		
1.5.2.6	Crush Resistance		
1.5.2.7	UV Resistance		
1.5.2.8	Water Tightness		
1.5.2.9	Marking		
1.5.2.10	TEC Compliance		
1.6.1 Central Servers (ATMS application Server & VIDES Server)	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.6.1.1	Processor		
1.6.1.2	RAM		
1.6.1.3	Drive Bays		
1.6.1.4	Storage Capacity		
1.6.1.5	SSD		
1.6.1.6	Optical Drive		
1.6.1.7	RAID Controller		
1.6.1.8	Network Adapters		
1.6.1.9	Fibre Channel HBA		
1.6.1.10	PCIe Slots		
1.6.1.11	Power Supply		
1.6.1.12	Cooling		
1.6.1.13	Display Controller		
1.6.1.14	Remote Management		
1.6.1.15	Operating System		
1.6.1.16	Security		

SL#	Parameter	Specification	
1.6.1.17	MTTR		
1.6.1.18	MTBF		
1.6.2 Video Wall at Control Centre	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.6.2.1	Video Wall Layout		
1.6.2.2	Video Wall Dimensions		
1.6.2.3	Video Wall Input Sources		
1.6.2.4	Monitor and Bezel Size		
1.6.2.5	Integrated Video Wall Package		
1.6.2.6	Hot-Plugging and Redundancy		
1.6.2.7	Auto Calibration and Color Balancing		
1.6.2.8	Monitor Mounting		
1.6.2.9	Manufacturer Qualifications		
1.6.2.10	Image Resizing and Positioning		
1.6.2.11	Multi-Display as Single Screen		
Video Wall Controller	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.6.2.12	Processor		
1.6.2.13	Memory		
1.6.2.14	Hard Disk		
1.6.2.15	Ethernet		
1.6.2.16	Resolution		
1.6.2.17	Graphic card(s)		
1.6.2.18	Video Inputs		
1.6.2.19	Input Standards supported		
1.6.2.20	Power supply		
1.6.2.21	Form factor		
1.6.2.22	OS		
1.6.3 Server for hosting third-party COTS Applications	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.6.3.1	Processor		
1.6.3.2	RAM		
1.6.3.3	Drive Bays		
1.6.3.4	Storage Capacity		
1.6.3.5	SSD		
1.6.3.6	RAID Controller		

SL#	Parameter	Specification	
1.6.3.7	Network Adapters		
1.6.3.8	Cooling		
1.6.3.9	Display Controller		
1.6.3.10	Operating System		
1.6.3.11	MTTR		
1.6.3.12	MTBF		
1.6.4 Video Recording and Incident Backup Server	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.6.4.1	General Requirements		
1.6.4.2	Processor		
1.6.4.3	Supporting ports		
1.6.4.4	Operating System Compatibility		
1.6.4.5	RAM		
1.6.4.6	Storage		
1.6.4.7	Network Interfaces		
1.6.4.8	Power Supply & Cooling		
1.6.4.9	Performance		
1.6.4.10	Operating Temperature		
1.6.5 Video Analytics and Management Software (VAMS)	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.6.5.1	Live/Recorded Video Viewing		
1.6.5.2	Architecture and Compatibility		
1.6.5.3	Licensing and System Status		
1.6.5.4	Audit Trail		
1.6.5.5	Storage Configuration		
1.6.5.6	Mobile Application Support		
1.6.5.7	Open Architecture		
1.6.5.8	Multi-Console Viewing and Video Push		
1.6.5.9	Multi-Streaming and Remote User Access		
1.6.5.10	Continuous Recording		
1.6.5.11	Video Motion Detection Recording		
1.6.5.12	Inactivity Timeout		
1.6.5.13	Alarm/Alert and Failover		

SL#	Parameter	Specification	
1.6.5.14	Event-Action Configuration and Analytics		
1.6.6 Network Management System (NMS)	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.6.6.1	Third-Party COTS Solution		
1.6.6.2	SNMP Integration		
1.6.6.3	Web-Based User Interface		
1.6.6.4	Dashboard		
1.6.6.5	Device Management		
1.6.6.6	Network Map		
1.6.6.7	Fault Management		
1.6.6.8	SLA Reporting		
1.6.6.9	Alerting		
1.6.6.10	Downtime Reporting		
1.6.6.11	Device Parameters Server /LPU /Workstations		
1.6.6.12	Device Parameters Network Switch		
1.6.6.13	Device Parameters Firewall		
1.6.6.14	Device Parameters Cameras		
1.6.6.15	Device Parameters Non-SNMP Devices		
1.6.7 Helpdesk & Inventory management System	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.6.7.1	COTS Model		
1.6.7.2	Web-based Application		
1.6.7.3	Ticket Management		
1.6.7.4	Ticketing Dashboard		
1.6.7.5	Fault Export		
1.6.7.6	Stock Management		
1.6.7.7	Stock Dashboard		
1.6.7.8	Item Tracking		
1.6.7.9	Stock Movement Tracking		
1.6.7.10	Inventory Reports		
1.6.8 VoIP based IP Telephone Set	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.6.8.1	Connectivity technologies		

SL#	Parameter	Specification	
1.6.8.2	Call conference		
1.6.8.3	Special features		
1.6.8.4	Display		
1.6.8.5	Headset		
1.6.8.6	Shortcut Keys		
1.6.8.7	Mounting		
1.6.8.8	Phone Talk Time		
1.6.9 Network-Attached Storage (NAS)	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.6.9.1	CPU		
1.6.9.2	On-board Memory		
1.6.9.3	Number of HDDs Supported		
1.6.9.4	HD Drive		
1.6.9.5	Host Interface		
1.6.9.6	RAID Support		
1.6.9.7	NAS Storage		
1.6.9.8	Network Adapter		
1.6.9.9	Network Transport Protocols		
1.6.9.10	Network File Protocols		
1.6.9.11	Drive Status /Space Monitoring		
1.6.9.12	OS		
1.6.9.13	Power supply		
1.6.10 KVM Switch	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.6.10.1	Ports		
1.6.10.2	Connection		
1.6.10.3	Video		
1.6.10.4	LED		
1.6.10.5	Scan Interval		
1.6.10.6	Switch Interval		
1.6.10.7	Operating temp		
1.6.10.8	Warranty		
1.6.11 Joy Stick for PTZ Camera	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.6.11.1	Joystick Type		
1.6.11.2	Display		
1.6.11.3	Joystick		

SL#	Parameter	Specification	
1.6.11.4	Protocols		
1.6.11.5	Network		
1.6.11.6	Protocol		
1.6.11.7	Buttons		
1.6.11.8	Working Environment		
1.6.11.9	Humidity		
1.6.12 Operator Workstation (Multi-Screen)	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.6.12.1	CPU		
1.6.12.2	Mother Board		
1.6.12.3	Memory		
1.6.12.4	Hard Drives		
1.6.12.5	Video Card		
1.6.12.6	Network Adapter		
1.6.12.7	Sound Card		
1.6.12.8	Disk writer		
1.6.12.9	Monitor/Keyboard/Mouse		
1.6.12.10	OS		
1.6.12.11	Anti-Virus Software		
1.6.13 Server Rack	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.6.13.1	Basic Structure		
1.6.13.2	Doors		
1.6.13.3	Rear Door		
1.6.13.4	Roof Panel		
1.6.13.5	Required Accessories		
1.6.13.7	Standard Mounting		
1.6.13.8	Ventilation		
1.6.13.9	Mounting Kit		
1.6.13.10	Cable manager		
1.6.13.11	Power Distribution		
1.6.13.12	Rack Trays		
1.6.14 Fibre Optical Network Switch With 24 SFP port	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.6.14.1	Switch Type		
1.6.14.2	Ports		
1.6.14.3	Environmental Rating		

SL#	Parameter	Specification	
1.6.14.4	Throughput		
1.6.14.5	Switching Capacity		
1.6.14.6	Security Features		
1.6.14.7	IPv6 Support		
1.6.14.8	Security Certification		
1.6.14.9	Power Supply		
1.6.14.10	Ethernet Standards		
1.6.14.11	Wire Rate Performance		
1.6.15 Layer-3 manageable Network Switch with 24 Gbe ports	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.6.15.1	Switch Type		
1.6.15.2	Ports		
1.6.15.3	Environmental Rating		
1.6.15.4	Throughput		
1.6.15.5	Switching Capacity		
1.6.15.6	Standards Compliance		
1.6.15.7	Security Features		
1.6.15.8	IPv6 Support		
1.6.15.9	Security Certification		
1.6.15.10	Power Supply		
1.6.15.11	Ethernet Standards		
1.6.15.12	Wire Rate Performance		
1.6.15.13	Stacking Bandwidth		
1.6.16 Manageable Network Switch with 8 ports	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.6.16.1	Functionality		
1.6.16.2	Switch Type		
1.6.16.3	Ports		
1.6.16.5	Environmental Rating		
1.6.16.6	Operating Temperature		
1.6.16.7	Mounting		
1.6.16.8	Compliance		
1.6.17 LaserJet Colour A3 Printer (MFP)	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.6.17.1	Type		
1.6.17.2	Functions		

SL#	Parameter	Specification	
1.6.17.3	Duty Cycle		
1.6.17.4	Control Panel		
1.6.17.5	Print Speed (A4)		
1.6.17.6	Print Speed (A3)		
1.6.17.7	First Print Out Time		
1.6.17.8	Warm-up Time		
1.6.17.9	Copy Speed (A4)		
1.6.17.10	Copy Speed (A3)		
1.6.17.11	Reduction/Enlargement		
1.6.17.12	Multiple Copies		
1.6.17.13	Scan Type		
1.6.17.14	ADF Capacity		
1.6.17.15	Scan Speed		
1.6.17.16	Scan Resolution		
1.6.17.17	Scan Destinations		
1.6.17.18	File Formats		
1.6.17.19	Duplex Scanning		
1.6.17.20	Interface		
1.6.17.21	Network Protocols		
1.6.17.22	Additional		
1.6.18 LaserJet B/W A4 Printer (MFP)	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.6.18.1	Printing speed		
1.6.18.2	First page out		
1.6.18.3	Print resolution		
1.6.18.4	Monthly duty cycle		
1.6.18.5	Print language		
1.6.18.6	Paper trays		
1.6.18.7	Media size		
1.6.18.8	Duplex (both sides) printing		
1.6.18.9	Connectivity		
1.6.19 10 KVA UPS in hot standby mode with Lithium-ion battery	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.6.19.1	Rated Power		
1.6.19.2	Technology		
1.6.19.7	Input		

SL#	Parameter	Specification	
1.6.19.11	Output		
1.6.19.16	Efficiency		
1.6.19.17	Battery		
1.6.19.20	Display		
1.6.19.21	Interface slot		
1.6.19.22	Protection Grade		
1.6.19.23	Auto shutdown Software		
1.6.19.24	Credentials		
1.6.19.27	Warranty		
1.6.19.28	Surge Regulations		
1.6.19.29	Parallel Cable component		
1.6.20 75" LED Smart TV for VIDEOS	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.6.20.1	Display Size		
1.6.20.2	TV Type:		
1.6.20.3	Connection		
1.6.20.4	Screen share		
1.6.20.5	Resolution		
1.6.20.6	Panel		
1.6.20.7	Brightness		
1.6.20.8	Lifetime		
1.6.20.9	Operation		
1.6.20.10	Ports		
1.6.21 Firewall	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.6.21.1	Firewall Throughput		
1.6.21.2	(1518/512/64-byte UDP)		
1.6.21.3	Firewall Latency		
1.6.21.4	New sessions /Sec		
1.6.21.5	Firewall Policies		
1.6.21.6	IP Sec VPN Throughput		
1.6.21.7	Max G/W to G/W IPSEC Tunnels		
1.6.21.8	Max client to G/W IPSEC Tunnels		
1.6.21.9	SSL VPN Throughput		
1.6.21.10	SSL Inspection throughput		
1.6.21.11	Application control throughput		

SL#	Parameter	Specification	
1.6.21.12	Concurrent sessions		
1.6.21.13	IPS throughput		
1.6.21.14	Local storage		
1.6.21.15	Interfaces (FE, GE Ports)		
1.6.21.16	Advanced Threat Prevention System		
1.6.21.17	Support and License		
1.6.22 50 KVA Servo Stabilizer	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.6.22.1	Capacity		
1.6.22.2	Input Voltage Range		
1.6.22.3	Output Voltage Range		
1.6.22.4	Input Frequency		
1.6.22.5	Control Type		
1.6.22.6	Correction Speed		
1.6.22.7	Reset		
1.6.22.8	Protections		
1.6.22.15	Audio Alarm		
1.6.22.16	Panel LED		
1.6.22.17	Provision of Cabling		
1.6.22.18	Operating Temperature		
1.6.22.19	Related Standard		
1.6.23 Biometric attendance system with door Access Control System	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.6.23.1	Locking unit		
1.6.23.4	Controller		
1.6.23.6	Power Supply Unit		
1.6.23.7	Unlock Button (Push button type)		
1.6.23.8	Biometric System Type		
1.6.23.9	Verification Method		
1.6.23.10	User Capacity		
1.6.23.11	Transaction Capacity		
1.6.23.12	Identification Time		
1.6.23.13	False Acceptance Rate (FAR)		
1.6.23.14	False Rejection Rate (FRR)		

SL#	Parameter	Specification	
1.6.23.15	Communication Interface		
1.6.24 Control Room Workstation	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.6.24.1	CPU & Chipset		
1.6.24.5	Memory		
1.6.24.6	Storage		
1.6.24.7	Display		
1.6.24.8	Keyboard		
1.6.24.9	Mouse		
1.6.24.10	Ports		
1.6.24.11	Graphic Card		
1.6.24.12	OS		
1.6.24.13	Mandatory Software		
1.6.24.14	MTTR		
1.6.25 NVR 48 channel	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.6.25.1	Channels Supported		
1.6.25.2	CPU		
1.6.25.3	Flash		
1.6.25.4	LED Indicators		
1.6.25.5	Display		
1.6.25.6	Number of HDDs Supported		
1.6.25.7	HDD Capacity		
1.6.25.8	HD Drive		
1.6.25.9	Disk Swap		
1.6.25.10	RAID Support		
1.6.25.11	Gigabit LAN port		
1.6.25.12	Recording Modes		
1.6.25.13	Pre-event and Post event Recording		
1.6.25.14	Audio		
1.6.25.15	Maximum Resolution Supported		
1.6.25.16	Drive Status /Space Monitoring		
1.6.25.17	OS		
1.6.25.18	Power supply		
1.6.25.19	MTBF		
1.6.26 CCTV Dome Camera	<Make & Model>	<Origin of Country and Operating History>	Operating History

SL#	Parameter	Specification	
1.6.26.1	Purpose		
1.6.26.2	Camera Type		
1.6.26.3	FPS (Frames Per Second)		
1.6.26.4	Camera Type		
1.6.26.5	IR Range		
1.6.26.6	Illumination		
1.6.26.7	Lens		
1.6.26.8	Image Enhancement		
1.6.26.9	Streaming		
1.6.26.10	SD Card Slot		
1.6.26.11	SD Card		
1.6.26.12	Shutter Speed		
1.6.26.13	Housing		
1.6.26.14	Microphone		
1.6.26.15	Event Detection		
1.6.26.16	ONVIF		
1.6.26.17	Compression		
1.6.26.18	Bit Rate		
1.6.26.19	Protocol Support		
1.6.27 CCTV Bullet Camera	<i><Make & Model></i>	<i><Origin of Country and Operating History></i>	<i>Operating History</i>
1.6.27.1	Purpose		
1.6.27.2	Camera Type		
1.6.27.3	Lens		
1.6.27.4	IR Range		
1.6.27.5	Minimum Illumination		
1.6.27.6	Image Enhancement		
1.6.27.7	Video Streaming		
1.6.27.8	Storage		
1.6.27.9	Shutter Speed		
1.6.27.10	Housing		
1.6.27.11	Audio		
1.6.27.12	I/O Ports		
1.6.27.13	Intelligent Analytics		
1.6.27.14	Event Handling		
1.6.27.15	ONVIF Support		
1.6.27.16	Video Compression		
1.6.27.17	Video Bit Rate		

SL#	Parameter	Specification	
1.6.27.18	Network Protocols		
1.7.1 MRCS	<Make & Model>	<Origin of Country and Operating History>	Operating History
17.1.2	Vehicle Mounted Units		
17.1.2	Handheld Units		
17.1.3	Communication Flow		
17.1.3	ATMS Control Centre		
1.7.2 MRCS General Requirements			
1.7.2.1	Highway Area Coverage		
1.7.2.2	Communication Quality		
1.7.2.1	Technology		
1.7.2.3	Mixed Mode Operation (Desirable)		
1.7.2.1	Design		
1.7.2.4	Interference		
1.7.2.1	Unit Addressability		
1.7.2.5	Integration		
1.7.3 MRCS Technical Requirements			
1.7.3.1	Component Grade		
1.7.3.2	Standards & Protection		
1.7.4 Repeater/Fixed Base Station	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.7.4.1	Controller		
1.7.4.2	Inter-repeater Connection		
1.7.4.3	Logging & Accumulation		
1.7.4.4	Configuration		
1.7.4.5	PSTN Interface		
1.7.4.6	Programming Security		
1.7.4.7	Display		
1.7.5 Handheld/Vehicle Mounted Radio	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.7.5.1	GPS Integration		
1.7.5.2	Programming Security		
1.7.5.3	Data Messaging Capability		
1.7.5.4	Address Storage		
1.7.5.5	Selectable Status Messages		
1.7.5.6	Caller Identification		
1.7.5.7	Short Message Reception		

SL#	Parameter	Specification	
1.7.5.8	Memory for Messages		
1.7.6 General Requirements MRCS Calling system			
1.7.6.1	Call Types		
1.7.6.2	Link Establishment		
1.7.6.3	Integration		
1.7.6.4	Call Management		
1.7.6.5	Call Queuing		
1.7.6.6	Priority Levels		
1.7.6.7	Field Unit Call Termination		
1.7.6.8	PSTN Bridging		
1.7.6.9	Simultaneous Calls (Base Unit)		
1.7.6.10	Emergency Messaging		
1.7.6.11	Voting System		
1.7.6.12	Redundancy		
1.7.6.13	Frequency Usage		
1.7.6.14	Power Supply Protection		
1.7.7 Frequency & Power Output Specifications			
1.7.7.1	Maximum power output of Base station/Repeater with Power amplifier		
1.7.7.2	Hand held terminal		
1.7.7.3	Analog		
1.7.7.4	Digital		
1.7.7.5	Duplex Spacing		
1.8 Emergency Call Box	<Make & Model>	<Origin of Country and Operating History>	Operating History
1.8.1	System Definition		
1.8.2	Installation		
1.8.3	Primary Function		
1.8.4	Network & Communication		
1.8.5	Hardware		
1.8.6	Physical Interface		
1.8.7	User Operation		
1.8.8	Call Status Indicators		
1.8.9	Call Handling (Busy Lines)		
1.8.10	System Failure Notification		
1.8.11	Power Supply		

SL#	Parameter	Specification
1.8.12	Power Restoration	
1.8.13	Self-Diagnostics	
1.8.14	Scheduled Testing	
1.8.15	Data Logging	
1.8.16	Security	



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