

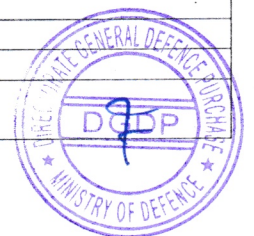
TECHNICAL SPECIFICATION OF NIV PORTABLE VEH UNDER SURVEILLANCE SCANNER -DP-5

Ser	Description	Required Technical Specification	To be filled up by the manufacture/ principal
(a)	(b)	(c)	(d)
Part – 1: General Specification			
1.	Nomenclature	Portable Veh Under Surveillance Scanner	
2.	Brand	To be mentioned	
3.	Model	To be mentioned	
4.	Country of Origin	Group A and B Countries	
5.	Country of manufacture	Group A and B Countries	
6.	Country of assembly	Group A and B Countries	
7.	Name of Manufacturer with complete address (Office address, Telephone, Fax, E-mail and web address)	Details to be mentioned	
8.	Name of Principal with complete address (Office address, Telephone, Fax, E-mail and web address)	Details to be mentioned	
9.	Name of Local agent with complete address (Office address, Telephone, Fax, E-mail and web address)	Details to be mentioned	
10.	Year of Production	Brand new and year of production not before the calendar year of contract	
11.	Model validity	Minimum 10 years	
12.	Warranty duration	Minimum 5 years	
13.	Duration of after sales service support	Minimum 10 years	
14.	Response Times for Troubleshooting and Repairs.	Within 3 Working Days. Free of cost upto warranty period (5 years) and thereafter with payment.	
Part-2: Technical Specification			
15.	Performance & General description	Stable performance, water proof, can operate in all-weather condition, can perform in medium to high speed of vehicle, portability and mobility, illumination optimized for vehicle undercarriage.	
16.	<u>Characteristics.</u>		
	a. Imaging Method	Details to be mentioned.	
	b. Scanning Method	Fully automatic (area scan with induction loop or external trigger)	
	c. Camera resolution	Minimum 4096x2160 Pixels	
	d. Capture Accuracy	To be mentioned	
	e. Vehicle Speed Limit for UVSS and ANPR	Min 30 Km/h for UVSS and 60 Km/h for Automatic License Plate Recognition (ALPR): To be mentioned.	
	f. Effective Field of View (FOV)	Min 170° or higher	
	g. Width of Viewing Angle	Min 170°	
	h. Image capture capability at night/ low light	To be available. Details to be mentioned.	
	j. Vehicle Chassis Width	Minimum and Maximum limit to be mentioned.	
	k. Vehicle Chassis Height	Minimum and Maximum limit to be mentioned.	
	l. Load Bearing Capacity	Minimum 40 Ton	
	m. Data Support Interface	Must have USB, RS232, HDMI, VGA and Audio.	
	n. Data Storage Capacity	Minimum 6 TB	
	p. Vehicle Number Plate Capture	Capable of capturing Bangladesh. Road Transport Authority (BRTA) vehicle, Military vehicle, Scooter (CNG) and Motorcycle number plate during day-night and rain.	



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	q. Vehicle Number Plate Capture with Night Vision Capability	To be available. Details to be mentioned and ANPR camera brand needs to be same with UVSS brand (1) Image Sensor: Min 1/1.8" CMOS supported (2) Focal Length: Min 2.77 mm up to 12 mm or higher (3) Detection speed: Min 60 Km/h for ALPR and min 30 Km/h for UVSS. (4) RAM and ROM: Min 2 GB or higher (5) Interoperability: Must be supported ONVIF (Profile S/Profile G/Profile T), CGI, ITSAPI, P2P		
	r. Cloud Integration/ remote access	To be available. Details to be mentioned		
	s. Noise Reduction Capability	To be available.		
	t. Image Storage	Data of 30 Days.		
	u. Picture Format	JPEG.		
	v. Image quality adjustment function	It can adjust the saturation, contrast, balance and sharpening of the image of the vehicle bottom or license plate.		
	w. System Host Server and Display	(1) Display: Minimum 24-inch LCD/ LED display. (Display and UVSS brand should be same)		
		(2) CPU: Core i5 series, 14 th Generation or better.		
		(3) Motherboard: To be mentioned (Reputed brand).		
		(4) RAM: DDR4, Min 16 GB.		
		(5) Storage: SSD (1 TB for OS) and 2x 6 TB (RAID 1).		
		(6) Graphics: 6 GB (Dedicated).		
		(7) OS: Windows 11 Pro (64 Bit) licensed.		
		(8) Other Software: Perpetual.		
		(9) Keyboard, Mouse and other accessories to be provided.		
	x. Power Supply (The system to be operated AC and DC power source)	(1) Can be operated by available electricity source of Bangladesh (220 V AC \pm 10%, 50 Hz)		
		(2) Battery backup system to be provided. Following details are to be mentioned:		
		(a) Brand and model: To be mentioned		
		(b) Battery type: To be mentioned.		
		(c) Country of manufacturer of battery: To be mentioned.		
(d) Capacity (Ah): To be mentioned.				
(e) Battery quantity: To be mentioned.				
(f) Backup time: Minimum 4 hours (Power consumption calculation need to be submitted).				
(g) Charging facility by 220 V AC \pm 10%, 50 Hz: To be provided.				
(h) Necessary adapter/ inverter/ plug/ cable etc: To be provided.				
y. Physical Parameters.				
(1) Overall dimension	To be mentioned			
(2) Weight of Complete Set	To be mentioned			
17. Environmental Capability.				
a. Operating Temperature	Minimum -30° C to +70° C			
b. Storage Temperature	Minimum -30° C to +70° C			
c. Relative Humidity	Minimum 93% (RH) and non-condensing			
d. Shock Proof	To be available.			
e. Degree of Protection (Dust and Water proof)	Minimum IP68 for VUSS			



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18.	List of Standard Accessories for full range of operation/ use	List to be submitted	
19.	List of Optional Accessories (if any)	List to be submitted	
20.	Any other	Any other items/ accessories not mentioned above but require for full range of operation/use of the offered Portable Under Vehicle Surveillance System to be mentioned and must be supplied.	
<u>Part-3: Training Requirement</u>			
21.	Operation/User Training	20 Personnel (01 Week)	
22.	Repair, Maintenance and Troubleshooting Training (if require)	To be provided (As per requirement of EME Dte)	
23.	Inventory Control and Equipment Management Training (if require)	Not required	
24.	Orientation and Quality Control Management Training (if require)	Not required	
<u>Part-4: Repair and Maintenance Requirement Less List of Spares</u>			
25.	a. SST/measuring & testing/fault finding and diagnostic set (if require)	Not required	
	b. Special Service Materials (if require)	Not required	
	c. Books and publication.		
	(1) Owners/Operators manual in English (Book Type) including CD/DVD (if require)	To be provided (As per requirement of EME Dte)	
	(2) Workshop/Repair manual in English (Book Type) including CD/DVD (if require)	To be provided (As per requirement of EME Dte)	
	(3) 100% Updated Master spare parts catalogue in English (Book Type) including CD/DVD (if require)	To be provided (As per requirement of EME Dte)	
25.	(4) Complete and Updated Master spare parts price Catalogue/List in English (Book Type) including CD/DVD (if require)	To be provided (As per requirement of EME Dte)	
	<u>Part-5: List of Spares</u>		
26.	List of spare (if require)	To be provided (As per requirement of EME Dte)	
<u>Part-6: Tool List for Different Level of Maintenance</u>			
27.	Tool list for different level of maintenance (if require)	To be provided (As per requirement of EME Dte)	

