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05 Agrahayan 1431

06.06.0000.214.eval.24/5 Door (GP-E)

20 November 2024

EVALUATION OF 5 DOOR HARD TOP JEEP (GROUP - E)

Reference:

A. Army Headquarters, Master General of the Ordnance Branch, Electrical and Mechanical Engineers Directorate letter number 23.01.901.048.06.079.01.13.11.24 Dated 13 November 2024 (Not to all).

1. Please be informed that Bangladesh Army is planning for evaluation of **5 Door Hard Top Jeep**. In this regard, you are requested to forward technical offer along with **original Brochure/Catalogue, Model Technical Specification 100% updated original Spare Parts Catalogue (Hard/Soft copy) and other information**. Offered models should be compatible with general technical specification attached herewith and to be submitted directly to Army Headquarters, Master General of the Ordnance Branch, Electrical and Mechanical Engineers Directorate, Dhaka Cantonment by **12 December 2024** with an intimation to this office. You are also requested to provide enlistment certificate of DGDP along with technical offer. Lack of any information will disqualify the offer.

2. Forwarded for your information and necessary action please.



SHEULY AKTER
Lieutenant Colonel
For Director General

Annex:

A. Technical Specification of 5 Door Hard Top Jeep (Group-E) - 01 Set.

Distribution:

External:

Action:

(All Concerned Supplier/Firm)

Information:

Army Headquarters

General Staff Branch, Weapon Equipment and Statistic Directorate

Army Headquarters

Master General of the Ordnance Branch, Ordnance Directorate

Army Headquarters

Master General of the Ordnance Branch, Electrical and Mechanical Engineers Directorate

Internal:

IT Section: Publish in web site.

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GENERAL SPECIFICATION: 5 DOOR HARD TOP JEEP (GP-E)

Serial	Description of General Specifications	Required Specifications	Remarks
PART 1: GENERAL SPECIFICATION			
1.	Name & Address of Local Agent with full Address (including Mobile, Phone & Fax number, email & Web Address)	To be mentioned	
2.	Name & full Address of the Manufacturer (including Phone & Fax number, e-mail & Web Address)	To be mentioned	
3.	Name and full Address of Principal (including Phone & Fax number, e-mail & Web Address)	To be mentioned	
4.	Nomenclature	5 Door Hard Top Jeep	
5.	Make & Model	To be mentioned	
6.	a. Country of Origin	Group A countries	
	b. Country of Manufacturer	Group A countries	
	c. Country of Assembly	Group A countries	
7.	Year of Manufacture	Not before the year of contract	
8.	Drive	Right Hand Drive	
9.	Configuration	4x4	
10.	Roof	Hard Top	
11.	Dimension.		
	a. Overall Length	To be mentioned	
	b. Overall Width	To be mentioned	
	c. Overall Height	To be mentioned	
	d. Roof to seat height	To be mentioned	
12.	Wheel Base	To be mentioned	
13.	Ground Clearance	Minimum 210 mm	
14.	Wheel Track (Tread).		
	a. Front	To be mentioned	
	b. Rear	To be mentioned	
15.	Gradient	65% (Minimum)	
16.	Angle of Approach	28° (Minimum)	
17.	Angle of Departure	25° (Minimum)	
18.	Fording Depth (mm)	500 mm (Minimum)	
19.	Weight.		
	a. Pay Load (Cross country)	650 kg (Minimum)	
	b. Power to Weight Ratio	To be mentioned	
	c. GVW	To be mentioned	
	d. Towed Load (Cross Country)	To be mentioned	
	e. Kerb Weight	To be mentioned	
20.	Seating Capacity	7 persons (minimum) Seating arrangement to be mentioned.	
21.	Turning Radius	6.3 Meters (Maximum) (From outer wheel)	



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Serial	Description of General Specifications	Required Specifications	Remarks
PART 2: TECHNICAL SPECIFICATION			
22.	Engine.		
	a. Type	Details to be mentioned	
	b. Make & Model	To be mentioned	
	c. Country of Origin	Group-A countries	
	d. Country of Manufacturer	Group-A countries	
	e. Country of Assembly	Group-A countries	
	f. No of Cylinder	Minimum 4 cylinders	
	g. Bore & Stroke	To be mentioned	
	h. Piston Displacement	Minimum 2100 cc	
	j. Compression Ratio	To be mentioned	
	k. HP at rated RPM	To be mentioned	
	l. Torque at rated RPM	To be mentioned	
	m. Turbo Charger (If available)	To be mentioned	
	n. Fuel Supply System		
	(i) Type of Fuel	Diesel	
	(ii) Fuel Tank Capacity. In built tank capacity for minimum range of daily endurance 500 Km on 1st class road.	To be mentioned	
	(iii) Injection Type (direct/ EFI)	To be mentioned	
	(iv) Fuel Injection Pump Type	Inline/ Rotary/VE/Common Rail/ Electric to be mentioned	
	(v) Fuel consumption per 100 km	To be mentioned	
	p. Air Cleaner Type	To be mentioned	
	q. Fuel Filter Type	To be mentioned	
	r. Cooling System	Liquid cooled	
	s. Lubrication	To be mentioned	
	t. Cruising Range	Minimum 500 km	
	u. Life Expectancy	Life expectancy of new engine up to 1 st overhauling not less than 1,00,000 KM (One Lac Kilometer) (certificate must be submitted by manufacturer/ supplier)	
	v. Engine Test Bench Certificate from Manufacturer.	1. Engine Test Bench Report for all engines prepared by manufacturer during production of engine at manufacturing factory must be submitted to the SI/PSI team for each model. 2. If Engine Test Bench Report of all engines can not be submitted, in that case, for other engines of the same model must be certified and confirmed with	



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		the engine Test Bench Report (Mentioning engine number) by the manufacturer duly signed and stamped.	
	w. Emission Standard	Euro-2 and above	
23.	<u>Vehicle Maximum Speed.</u>		
	a. High Way	100 Km/ Hour (Minimum)	
	b. Cross Country	To be mentioned	
24.	<u>Transmission.</u>		
	a. Type	To be mentioned	
	b. Gear Box Make & Model	To be mentioned	
	c. Country of Origin	Group-A countries	
	d. Country of Manufacturer	Group-A countries	
	e. Country of Assembly	Group-A countries	
	f. Gear Ratio	To be mentioned	
25.	Type of Steering	Power steering	
26.	<u>Transfer Case.</u>		
	a. Type	To be mentioned	
	b. Make & Model	To be mentioned	
	c. Country of Origin	Group-A countries	
	d. Country of Manufacturer	Group-A countries	
	e. Country of Assembly	Group-A countries	
	f. High Gear Ratio	To be mentioned	
	g. Low Gear Ratio	To be mentioned	
27.	<u>Suspension Details.</u>		
	a. Front	To be mentioned	
	b. Rear	To be mentioned	
28.	<u>Brake System.</u>		
	a. Service Brake	To be mentioned	
	b. Parking Brake	To be mentioned	
	c. Emergency Brake	To be mentioned (If any)	
29.	<u>Wheel & Tyre.</u>		
	a. Tyre size front, rear & spare	To be mentioned	
	b. Tyre Brand	Bridgestone/Dunlop/ Goodyear/Yokohama/Toyo/ Uniroyal/Continental/ Michelin/Folda/Firestone/ Armstrong/ AMTEL/ Pirelli/Hankook and Kumho	
	c. Tyre Manufacturing Country	USA, Japan, EU Countries, Russia, Brazil, Indonesia, Malaysia, Philippines, Singapore, Thailand and South Korea	
	d. Tyre Pattern	Non-Directional (ND) Ground Grip (GG) and Cross country (CC).	



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Serial	Description of General Specifications	Required Specifications	Remarks
	e. Wheel Pattern & Size	To be mentioned	
	f. No of Tyres including spare	To be mentioned	
30.	Electric System.		
	a. Volt	12V/ 24V	
	b. No of Battery (Volt & Ah)	To be mentioned	
	c. Alternator (Volt, Amp)	To be mentioned	
	d. Self Starter (Kw)	To be mentioned	
31.	Noise Suppressor	All components producing noise and spark should be adequately cushioned/ shielded	
32.	Windshield. Laminated Windshield Glass	To be mentioned	
33.	Doors and Windows.		
	a. Front Side Doors (1 st Row & 2 nd Row)	To be mentioned	
	b. Rear Doors (opening both from inside and outside)	To be mentioned	
	c. Both side window for rear compartment	To be mentioned	
34.	Clutch Details	To be mentioned	
35.	Type of Gear shifting Lever	To be mentioned	
36.	Front Axle.		
	a. Type	To be mentioned	
	b. Axle Capacity	To be mentioned	
	c. Country of Origin	Group-A countries	
	d. Country of Manufacturer	Group-A countries	
	e. Country of Assembly	Group-A countries	
37.	Rear Axle.		
	a. Type	To be mentioned	
	b. Axle Capacity	To be mentioned	
	c. Country of Origin	Group-A countries	
	d. Country of Manufacturer	Group-A countries	
	e. Country of Assembly	Group-A countries	
38.	Chassis.	Resistance to Bending Moment (RBM) certificate to be provided	
	a. Type	To be mentioned	
	b. Country of Origin	Group-A countries	
	c. Country of Manufacturer	Group-A countries	
	d. Country of Assembly	Group-A countries	
39.	Final Drive Gear Ratio	To be mentioned	
40.	Differential Lock	Details to be mentioned	
41.	Accessories.		
	a. 01 Set x Spare wheel (complete with all fitting attachment including Lock and Key)	To be provided	
	b. Hooks.		
	(1) Towing Hook 02 numbers at front and 01 numbers at rear.	To be provided	
	(2) Lashing Hook at 4 point (Front and rear) for railway transportation and helicopter lifting/ship crane loading		



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Serial	Description of General Specifications	Required Specifications	Remarks
	c. <u>Lights</u> . 02 x Head Lights, 04 x Turn Signal Light (Front & Rear), 02 x Stop/Brake Lights, 02 x Reverse Light, 02 x Cabin Light, All gauges and meters in dashboard, Fuel gauges, Hazard warning Lights etc as required for proper functioning of all system of the vehicle	To be provided	
	d. 02 x Fog Lamp at front for driving during foggy weather	To be provided	
	e. Blackout Light . All Jeeps must have special lights for night driving and convoy driving:		
	(1) 01 x Blackout head light at front RH	To be provided	
	(2) 02 x Blackout Combination Light NATO std (Side & Stop) at Rear LH & RH	To be provided	
	(3) 01 x Convoy light at rear	To be provided	
	(4) 01 x Map reading Light	To be provided	
	f. <u>Fire Extinguisher</u> . Capacity 01 Kg, capable of extinguishing A,B,C & E type fire (bracket and chemical to be fitted at the side of driver seat)	To be provided	
	g. Seat belt for Driver & other passengers	To be provided	
	h. Provision for external antenna and duct in rear compartment for antenna cable and free size antenna fixing bases of wireless set	To be provided	
	j. Power output socket in rear compartment for Radio set (Fixing socket for wireless set power supply)	To be provided	
	k. Removable Free size base frame for fixing different categories wireless set	To be provided	
	l. Inspection Lamp complete with Cable (10 meter), Plug & arrangement of Socket in the vehicle for using inspection lamp	To be provided	
	m. All lights must have metal guards	To be provided	
	n. <u>Stowage for Weapons/Equipment</u> . Clips for 02 x Rifles/SMG in cabin	To be provided	
	p. Attaching points for load restraint with straps/chain for securing ammo boxes and conventional load	To be provided	
	q. Axle breather and gear breather & wiring distributor box to be raised higher than that of the fording depth	To be confirmed	
	r. Wiring harness parts which will be in contact with water to be wrapped by special adhesive and covered by flexible pipe	To be confirmed	
	s. 02 x Sun visors with fitting brackets	To be fitted	
	t. 01 x Inside rear view mirror	To be fitted	
	u. 02 x Outside rear view mirror with stands/brackets	To be fitted	
	v. Boost ventilator with central fresh & cool air circulation (Dual air Condition) with climate control system and country of origin	To be mentioned	
	w. Type of Seat	To be mentioned	
	x. Head rest for Driver, 2 nd Seater and 1 st row of Passengers	To be provided	
	y. Mudguard with mud flap for all wheels	To be provided	



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Serial	Description of General Specifications	Required Specifications	Remarks
	z. Tachometer/Engine RPM meter and Speedo Meter (MKS system) in dashboard	To be provided	
	aa. Entertainment device (LED monitor, Andriod Player, etc)with Smart Phone integration(Car-play and Android Auto)	To be provided	
	bb. Minimum 4-speaker audio system	To be provided	
	cc. Digital Quartz Clock at Dashboard	To be provided	
	dd. <u>Both side front Door</u> . Full size normal door with normal winding windows power operated	To be provided	
	ee. Rear Windshield with defogger	To be provided	
	ff. <u>Door Locks</u> . Auto door lock operated from driver seat for all doors	To be provided	
	gg. <u>Driver Seat</u> . Double side front and rear height adjustable with full tilting system of back rest for driver, second seater and passengers	To be provided	
	hh. Cup Holders on Console Box front and other rows for Water/Soft Drink Cups	To be provided	
	jj. Intermittent Windshield Wiper 02 x Front and 01 x rear	To be provided	
	kk. 2 x Litre Sub fuel Tank/Spare fuel Jarrican (fitted on rear door with fitting attachment) if available	To be mentioned	
	ll. Front foot lamps and lighting for side steps (both sides)	To be provided	
	mm. Cooler box	To be provided	
	nn. Multi mode ABS with EBD or Equivalent System	To be provided	
	pp. ASTC (Active Stability & Traction Control System) or Equivalent System	To be provided	
	qq. SRS (For driver and all passengers)	To be provided	
	rr. Spare Wheel Cover or Case	To be provided	
	ss. Foot step at Rear	To be provided	
	tt. Front & Rear Grill/Bull Bar	To be provided	
	uu. Any other accessories (if available)	To be provided	
42.	<u>Other Technical Requirement for Military Vehicle.</u>		
	a. Tyres for all jeeps must be same size and grip pattern for logistics ease	To be provided	
	b. Crew safety: Roll Over Protection System (ROPS)	To be provided	
	c. Hill assist (Ascending/descending) feature	Detail to be mentioned	
43.	<u>Tools Set.</u>		
	a. 01 x Std hydraulic jack	To be provided	
	b. 01 x Wheel wrench with handle	To be provided	
	c. 01 x Adjustable wrench	To be provided	
	d. 01 x Combination pliers slip joint	To be provided	
	e. 01 x Combination screw driver (+-) with handle	To be provided	
	f. 01 Set x Double ended spanner	To be provided	
	g. 1x Heavy duty type pressure gauge 160 lbs (minimum)	To be provided	
	h. Grease Gun	To be provided	
	j. 02 x No. Wheel Stopper	To be provided	
	k. 01 x Tool Bag for Above Tools	To be provided	



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Serial	Description of General Specifications	Required Specifications	Remarks
	l. Any other tools felt necessary by Manufacturer	To be provided	
44.	<u>Petrol Oil Lubricant (POL) Information.</u>		
	a. Grade of Fuel used in Vehicle	To be mentioned	
	b. Type of Engine Oil used in Vehicle	To be mentioned	
	c. Type of Gear Oil (Equivalent grade) used in Vehicle	To be mentioned	
	d. Grade of Fuel to be used in Bangladesh	The Vehicle must be Suitable for using Fuel Available in Bangladesh	
45.	Colour	As per indentor's requirements	
46.	<u>Terms and Conditions.</u>		
	a. Time of Free Service	1 Year or 12000 miles (whichever comes later)	
	b. Warranty/Guarantee	1 Year or 12000 miles (whichever comes later) from the Date of issuing l/note	
	c. Technical Offer should be on the Original Pad of Principal/Manufacturer with Sign and Seal	To be submitted	
	d. Authorization Certificate to be Provided by Manufacturer in Favour of Principal	To be submitted	
	e. Authorization Certificate to be Provided by principal in favour of local agent	To be submitted	
	f. <u>After Sale service, Repair and Maintenance.</u>		
	i) After Sale service, Repair and Maintenance by local agent (Minimum 10 years)	Details to be mentioned (Workshop address, Authorization certificate)	
	ii) Details of maintenance schedule	To be mentioned	
	g. Model Validity (Minimum 10 years from the signing of contract)	Certificate to be provided	
	h. Spares will be available for at least 15 years (Confirmation certificate to be provided by Manufacturer)	Certificate to be provided	
<u>PART 3: TRAINING REQUIREMENT.</u>			
47.	<u>Training Requirements.</u>		
	a. User Training	To be provided (As per User/Sponsor Directorate)	
	b. Operation, Repair and Maintenance Training	To be provided (As per Requirement of EME Directorate)	
	c. Equipment Management Training	To be provided (As per Requirement of Ordnance Directorate)	
<u>PART 4: REPAIR AND MAINTENANCE REQUIREMENT LESS LIST OF SPARES.</u>			
48.	<u>Books and Publications.</u>		



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Serial	Description of General Specifications	Required Specifications	Remarks
	a. Owners/Operators Manual in English (Book Type) including Soft Copy	To be provided (As per Requirement of EME Directorate)	
	b. Workshop/Repair Manual in English (Book Type) Including Soft Copy	To be provided (As per Requirement of EME Directorate)	
	c. 100% Updated Master Spare Parts Catalogue in English (Book Type) Including Soft Copy	To be provided (As per Requirement of EME Directorate)	
	d. Complete and Updated Master Spare Parts Price Catalogue/List in English (Book Type) including Soft Copy	To be provided (As per Requirement of EME Directorate)	
<u>PART 5: LIST OF SPARES.</u>			
49.	Recommended 10% Fast and Slow Moving Spare Parts List (Hard copy) (Fast moving for 2 years and Slow moving for 5 years) Including Soft Copy	To be provided	
<u>PART 6: TOOL LIST FOR DIFFERENT LEVEL OF MAINTENANCE.</u>			
50.	Analyzer, Measuring & Testing/Fault Finding and Diagnostic set (updating the software for at least 05 years free of cost)	To be provided (As per Requirement of EME Directorate)	
51.	Special Service Tools (SST)	List to be provided (As per Requirement of EME Directorate)	
52.	Special Service Materials (SSM)	List to be provided (As per Requirement of EME Directorate)	
<u>PART-7. FINANCIAL SPECIFICATION.</u>			
53.	Financial Implication / Specifications	To be provided as per requirement of Ordnance Directorate	

