



RESTRICTED

**GENERAL SPECIFICATIONS: 3 DOOR JEEP (SOFT TOP)**

Serial	Description of General specifications	Required General Specifications	Remark
1.	Name of the Local Agent with full Address	To be mentioned	
2.	Name of the Manufacturer with full Address	To be mentioned	
3.	Name of the Principal with full Address	To be mentioned	
4.	Nomenclature	3 Door Jeep (Soft Top)	
5.	Make & Model	To be mentioned	
6.	a. Country of Origin	Group-A	
	b. Country of Manufacturer	Group-A	
	c. Country of Assembly	Group-A	
7.	Drive	RHD	
8.	Configuration	4x4	
9.	Roof	Soft top	
10.	<b>Dimensions.</b>		
	a. Overall Length	3700 mm (Minimum) (Bumper to Bumper)	
	b. Overall Width	1600 mm (Minimum)	
	c. Overall Height	1900 mm (Minimum)	
11.	Wheel Base	2200 mm (Minimum)	
12.	Ground Clearance	225 mm (Minimum) Unladen	
13.	<b>Wheel Track (Tread).</b>		
	a. Front	1400 mm (Minimum)	
	b. Rear	1400 mm (Minimum)	
14.	Gradient	65% (Minimum)	
15.	Angle of Approach	30° (Minimum)	
16.	Angle of Departure	30° (Minimum)	
17.	Fording Depth	600 mm (Minimum)	
18.	<b>Weights.</b>		
	a. Kerb Weight	1700 kg (Minimum)	
	b. Payload Kg	700 Kg (Minimum)	
	c. Gross Vehicle Weight (GVW)	2400 kg (Minimum)	
19.	Towed load off road	500 kg (Minimum)	
20.	Seating Capacity	2 persons front and 4 persons rear	
21.	Turning Radius	6.5 M (Maximum) (Outer wheel to wheel)	
22.	<b>Engine.</b>	All Jeeps must be diesel Jeep and 4 stroke	
	a. Make & Model	To be mentioned	
	b. Country of Origin	Group-A	
	c. Country of Manufacturer	Group-A	
	d. Country of Assembly	Group-A	
	e. No of Cylinder	4 Cylinder (Minimum)	
	f. Bore & Stroke	To be mentioned	
	g. Piston Displacement	To be mentioned	
	h. Compression Ratio	To be mentioned	
	j. HP	95 HP at 3800 rpm (Minimum) (RPM to be mentioned)	
	k. Maximum Torque	265 N-m at 1800 rpm (Minimum)	
	i. Engine Test Bench Report	1. Engine Test Bench Report for all engines prepared by manufacturer during production of engine	



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		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 the engine Test Bench Report (mentioning engine number) by the manufacturer duly signed and stamped.	
	m. Weight/Power ratio (HP/Weight in Ton)	35 HP/Ton (Minimum)	
	n. Life Expectancy	Life expectancy of new engine up to 1st overhauling not less than 1,00,000 KM certificate must be submitted by manufacturer /supplier	
23.	<b>Fuel System.</b>		
	a. Fuel Type	Diesel	
	b. Fuel tank capacity	In built tank capacity for minimum cruising range of 500 km on level 1 <sup>st</sup> class road	
	c. Fuel injection pump	To be mentioned	
	d. Fuel consumption per 100 km	To be mentioned	
	e. Fuel filter	To be mentioned	
	f. Cruising range	To be mentioned	
	g. <b>Maximum Speed.</b>		
	(1) High way	100 Km/Hour (Minimum)	
	(2) Cross Country	To be mentioned	
24.	Engine oil sump capacity	To be mentioned	
25.	Air cleaner	To be mentioned	
26.	Cooling system	Water cooled	
27.	Coolant capacity	To be mentioned	
28.	Lubrication	To be mentioned	
29.	<b>Transmission.</b>		
	a. Make & Model	To be mentioned	
	b. Country of Origin	Group-A	
	c. Country of Manufacturer	Group-A	
	d. Country of Assembly	Group-A	
	e. Gear Box Model	To be mentioned	
	f. Gear Ratio	To be mentioned	
30.	Type of Steering	Power steering	
31.	<b>Transfer Case.</b>		
	a. Make & Model	To be mentioned	
	b. Country of Origin	Group-A	
	c. Country of Manufacturer	Group-A	
	d. Country of Assembly	Group-A	
	e. High Gear Ratio	To be mentioned	
	f. Low Gear Ratio	To be mentioned	
32.	<b>Chassis.</b>		
	a. Type	To be mentioned	
	b. Country of Origin	Group-A	
	c. Country of Manufacturer	Group-A	

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	d. Country of Assembly	Group-A	
33.	<b>Suspension Details.</b>		
	a. Front Suspension	To be mentioned	
	b. Rear Suspension	To be mentioned	
34.	<b>Brake System.</b>		
	a. Service Brake	Details specification to be mentioned	
	b. Parking Brake	Details specification to be mentioned	
	c. Emergency Brake	Details specification to be mentioned	
35.	<b>Tyre.</b>		
	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. Country of Origin	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).	
	e. Wheel Size	To be mentioned	
36.	<b>Electric System.</b>		
	a. Volt	24 Volt	
	b. Battery	2x12 Volt, 60 AH each (Minimum)	
	c. Alternator (Volt & Amp)	Apm to be mentioned	
	d. Starter (KW)	KW To be mentioned	
37.	Noise Suppressor	All components producing noise and spark should be adequately cushioned/ shielded	
38.	Windshield	To be mentioned	
39.	Front doors	Full size normal doors with normal windings windows	
40.	Rear Doors	Side hinged two rear doors with fitting attachment of spare wheel on rear door	
41.	<b>Dimension Cargo Bed Interior.</b>		
	a. Length (Interior)	To be mentioned	
	b. Width (Interior)	To be mentioned	
	c. Height (Interior)	To be mentioned	
42.	<b>Clutch.</b>		
	a. Type	To be mentioned	
43.	Gear Shifting Lever	Floor shifting type to be provided	
44.	<b>Front Axle.</b>		
	a. Type	To be mentioned	
	b. Axle Capacity	To be mentioned	
	c. Country of Origin	Group-A	
	d. Country of Manufacturer	Group-A	
	e. Country of Assembly	Group-A	
45.	<b>Rear Axle.</b>		
	a. Type	To be mentioned	
	b. Axle Capacity	To be mentioned	
	c. Country of Origin	Group-A	
	d. Country of Manufacturer	Group-A	



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	e. Country of Assembly	Group-A	
46.	Final Drive Ratio	To be mentioned	
47.	Modification Points	<p>a. The bumper has to be taken forward as necessary (2" to 2.5") May be arranged in Bangladesh (Sample to be approved from IV&amp;EE before assembling).</p> <p>b. <u>Rear seats</u>. Front of rear seats to be raised by 1-1/2" (38 mm). May be arranged in Bangladesh (Sample to be approved from IV&amp;EE before assembling).</p>	
48.	<b>Accessories.</b>		
	a. Pintle hook	<b>3 ton capacity rotating type, NATO Std Mil pattern.</b> Toyota standard pintle hook to be provided from Japan and Rotating type, NATO standard Military pattern to be modified <b>locally</b> (sample to be approved from IV&EE before assembling).	
	b. Blackout lights	The following Blackout light to be provided/ fitted <b>locally</b> (Sample to be approved from IV&EE before assembling): 1. 1x Blackout head light front RH. 2. 1x Blackout convoy light at rear. 3. 2x Black out combination light NATO std (side & stop) at rear RH & LH.	
	c. 12 Pin electrical connection for trailer	NATO type, 12 Pin electrical connection for trailer to be provided/fitted <b>locally</b> (Sample to be approved from IV&EE before assembling).	
	d. Free size Antenna fixing base of wireless set	Free size Antenna fixing base of wireless set to be provided/fitted <b>locally</b> (Sample to be approved from IV&EE before assembling).	
	e. Fixing socket for wireless set power supply	Fixing socket for wireless set power supply to be provided/fitted <b>locally</b> (Sample to be approved from IV&EE before assembling).	
	f. Free size base frame for fixing wireless set	Free size base frame for fixing wireless set should be removable and free size for multiple wireless set use to be provided / fitted <b>locally</b> (Sample to be approved from IV&EE before assembling).	
	g. Guard for all lights	Guard for all lights to be provided/fitted <b>locally</b> (Sample to be approved from IV&EE before assembling).	
	h. Clips carrier min two rifles	Clips carrier min two rifles to be provided/fitted <b>locally</b> (Sample to be approved from IV&EE before assembling).	

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	j. Attaching points for load restraint with straps/ chain for securing ammo boxes and conventional load	Attaching points for load restraint with straps/ chain for securing ammo boxes and conventional load to be provided/ fitted <b>locally</b> (Sample to be approved from IV&EE before assembling).	
	k. Wiring harness parts	Wiring harness parts which will be in contact with water to be wrapped by special adhesive and covered by flexible pipe to be provided/ fitted <b>locally</b> (Sample to be approved from IV&EE before assembling).	
	l. Toyota standard spare wheel complete set with fitting attachment	01 set x Toyota standard spare wheel complete set with fitting attachment on the rear door to be provided and Lock & Key to be provided/fitted <b>locally</b> (Sample of Lock & key to be approved from IV&EE before assembling).	
	m. Differential lock: Both at front & Rear Axle	To be provided	
	n. Fire Extinguisher 1 Kg A B C type of Japan (Which capable extinguisher A, B, C & E type fire) with Bracket & Chemical	To be provided	
	p. Seat belt for driver and front passengers	To be provided	
	q. Inspection lamp complete with Cable, Plug & arrangement of socket lamp as manufacturer standard	To be provided	
	r. Axle breather and gear breather & wiring distributor box to be raised higher than that of the fording depth (same as previous supply)	To be provided	
	s. 01 set Grey colour vinyl hood canopy with both side transparent window of heavy duty tale sheet with superstructure	To be provided from manufacturer country.	
	t. 01 set Floor mat (front & rear) complete	To be provided	
	u. 01 set Toyota standard spare wheel complete set with fitting attachment on the rear door	To be provided	
	v. 02 x Sun visors with fitting brackets	To be provided	
	w. 01 x inside rear view mirror	To be provided	
	x. 02 x Outside rear view mirror with stands/ brackets	To be provided	
	y. 01 x Cigarette lighter & Ashtray	To be provided/fitted	
	z. 01 Set x Boost ventilator	To be fitted	
	aa. 02x Wheel stopper	To be provided	
	bb. 02x Towing hook at front	To be provided	
	cc. Radio set complete	To be fitted	
	dd. Head rest for front seater	To be fitted	
	ee. Mudguard with mud flap for all wheels	To be fitted	
	ff. 02 x Fog lamp at front	To be provided	



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49.	<b>Tools Set.</b>		
	a. 01 x Mechanical (screw type) jack assy 1.8 ton with handle	To be provided	
	b. 01 x Wheel wrench with handle	To be provided	
	c. 01x Adjustable wrench 200 mm	To be provided	
	d. 01 x Combination pliers slip joint 150 mm	To be provided	
	e. 01x Combination screw driver (+-) with handle	To be provided	
	f. 01 Set x Double ended spanner (08x10 mm & 12x14 mm)	To be provided	
	g. 01 x Tyre pressure gauge	To be provided	
	h. 01 x Tool bag for above tools	To be provided	
50.	Colour	Duco Paint (Nitro Cellulose Based MB Green) (Sample of colour shade to be approved from IV& EE before painting).	
51.	<b>Petrol Oil Lubricant (POL) Information.</b>	The following information must be submitted with the offer:	
	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 used with fuel available in bangladesh	
52.	<b>Training Requirements.</b>		
	a. User Training	To be provided (As per requirement of User/ Sponsor Directorate)	
	b. Operation, Repair and Maintenance Training	To be provided (As per requirement of Electrical and Mechanical Engineers Directorate)	
	c. Inventory Control & Management Aspect Training	To be provided (As per requirement of Ordnance Directorate)	
53.	<b>Publications.</b>		
	a. Driver's/Owner's manual in English for Vehicle (Complete Book type)	To be provided as per requirement of EME Directorate	
	b. Updated workshop/repair manual (for vehicle) in English (Complete Book type).	To be provided as per requirement of EME Directorate	
	c. Spare Parts Catalogue in English Book type.	To be provided as per requirement of EME Directorate	
	d. Spare Parts Price Catalogue in English Book type.	To be provided as per requirement of EME Directorate	
	e. Other Operator's manuals Catalogue (Book Type) for additional equipment like Radio, Navigational Equipment etc.	To be provided as per requirement of EME Directorate	
54.	Fast and slow moving spare parts	List to be provided as per requirement of EME Directorate	
55.	Analyzer, measuring & testing/fault finding and diagnostic set	To be provided as per requirement of EME Directorate	
56.	Special Service Tools (SST)	List to be provided as per requirement of EME Directorate	

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57.	Special Service Materials (SSM)	List to be provided as per requirement of EME Directorate	
58.	<b>Terms and Conditions.</b>		
	a. Time of Free Service	1 Year	
	b. Warranty/Guaranty	1 Year or 20,000 KM	
	c. Technical offer should be on the original pad of principal/ manufacturer with sign & seal	Must be confirmed as per requirement	
	d. Offered technical specifications must conform to the specifications mentioned in the submitted brochure/catalogue otherwise offer will not be accepted	To be submitted during evaluation stage	
	e. Authorization certificate (Original) in favour of principal by the original vehicle manufacturer to be submitted along with offer	To be submitted during evaluation stage	
	f. Authorization certificate (Original) in favour of local agent by the principal to be submitted along with offer	To be submitted during evaluation stage	
	g. The Manufacturer, Principal and local agent must give a guarantee certificate for the following:		
	(1) Same/similar model of vehicle/ equipment will be available for next 10 years (Confirmation certificate to be provided by manufacturer)	To be submitted during evaluation stage	
	(2) Spares will be available for at least 15 years (Confirmation certificate to be provided by Manufacturer)	To be submitted during evaluation stage	
	(3) After sales service should be available with local agent and will be provided as and when required for indefinite period (at free of charge up to guarantee period) and then onwards with payment (Confirmation certificate to be provided by local agent)	To be submitted during evaluation stage	
59.	Production Date	Manufactured not before the year of contract	

