

**Technical Specification for 4WD Hardtop Jeep**

**Quantity: 1 unit**

S.N	CRITERIA	REQUIREMENTS	OFFERED SPECIFICATIONS
1	General	<b>Right Hand Four Wheel Drive Hardtop Jeep</b> suitable for driving in rough road conditions of Nepal. <b>The Gross vehicular weight shall not be less than 2500kg and shall have seating capacity for at least 7 persons including driver.</b>	<u>Make:</u> <u>Model:</u> <u>Country of Origin:</u>
2	Engine	Four stroke water cooled diesel engine developing maximum <b>rated power output not less than 120 BHP and torque not less than 275 N-m</b> at rated RPM with an efficient fuel injection system. The Engine shall be fully equipped with all necessary items/ accessories and controlling devices for safe, smooth, efficient, economical operation and optimizing vehicle performance producing lesser amount of palliative emissions.	<u>Make:</u> <u>Model:</u>
3	Emission Standard	The emission standard of the offered vehicle must be in compliance with or superior than the applicable <b>Standard as prescribed by “Nepal Vehicle Mass Emission Standard 2069 (Euro III)” which is to be certified by Department of Transport Management.</b>	
4	Gauges	To include speedometer, odometer, temperature, fuel gauges etc as necessary for efficient operations and maintenance.	
5	Transmission	Manual shift <b>at least five forward and one reverse</b> , all forward synchromesh.	
6	Ground Clearance	Ground Clearance: High ground clearance is preferred <b>(Minimum 180 mm)</b>	
7	Suspension	Front: Double wishbone type with coil spring and shock absorber Rear: Multilink Coil spring	
8	Tires	Standard Size	
9	Steering	<b>Power assisted/ Power Steering</b>	
10	Brakes	Hydraulically operated (on all wheels) Front Disc and Rear Drum with Parking brake	
11	Turning Radius	<b>Turning radius not more than 6 meters.</b>	
12	Cab	Door: Four Side door and one back door All metallic cab with insulated roof, right hand drive, laminated/tinted glass wind screen with washers and wipers, comfortable and adjustable seats for driver and passenger, two sun visors, a rear-view mirror, two side view mirror and floor	

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13	Chassis and Frame	Steel, heavy duty high rigidity frame structure with toe-hooks in front and rear.	
14	Essential Accessories	<ol style="list-style-type: none"> <li>1. Head light, tail and rear light, reversing light and turn signals.</li> <li>2. Cabin lights</li> <li>3. Speedometer/ odometer</li> <li><b>4. 1 spare wheel with tire and tube</b></li> <li><b>5. Standard Jack with handle</b></li> <li>6. Mud guards, floor carpet</li> <li>7. Seat belts for driver and co-driver</li> <li>8. Air bags</li> <li><b>9. Heating, Ventilation and AC</b></li> <li><b>10. Antilock Braking System</b></li> <li>11. Central locking</li> <li>12. Engine immobilizer</li> <li>13. Power windows (at least front )</li> <li>14. Navigation system, Audio Systems: AM/FM Radio with CD/DVD/MP3/USB Drive Player</li> </ol> <p>To be equipped with all accessories offered in standard model catalogue provided by principal manufacturer but not limited to the above items.</p>	
15	Instructions	All signs and instructions in the vehicle shall be in <b>English</b> .	
16	Manuals	One copy of the Operator's and Owner's Instructions in <b>English</b> shall be supplied with vehicle.	
17	Tools	A set of tools, with a tool bag, as required for general maintenance shall be supplied.	
18	Color	Standard Color	
19	Proven Performance	The bidder shall provide the manufacturer's data of the performance of the unit to include the fuel consumption, performance curve of the engine.	
20	Initial Service	The supplier shall provide with the vehicle all the necessary filters and spare parts required for the initial services after the vehicle has been commissioned and accepted.	
21	warranty	Manufacturer shall provide <b>a minimum of one year warranty after acceptance.</b>	
22	Delivery	The Hardtop Jeep, 1 unit shall be delivered to: <b>Halesi Tuwachung Municipality, Darchim, Khotang, Nepal</b>	

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