



Ilam Municipality
Office of the Municipal Executive
 Ilam, Province no. 1, Nepal

Technical Specification

Category: Mechanical Works

Sub: Technical Specification of required 4WD vehicle (Jeep)

This section of Technical Specifications (TS) defines the technical characteristics of the Goods and Related Services required by the Purchaser, and in this case shall be the specifications of the vehicle, which the Ilam Municipality intends to purchase.

S.No.	Criteria	Departmental Requirements
1	2	3
1	General	Five doors Right Hand Drive 4WD diesel engine hard top Jeep Type Vehicle suitable to operate in rough and hilly road condition of Nepal with operating conditions 0.5 degree C to 50 degree C and altitude of 2000 m, Gross Vehicle Weight (GVW) of the vehicle shall not be less than 2000 kg and shall have seating capacity for at least 7 passengers including driver.
2	Engine	Four strokes, water cooled diesel engine, displacement of the engine 2500-3000 CC., maximum rated power output not less than 55Hp at optimum RPM and maximum torque not less than 190 Nm at governed rpm, shall fully equipped with accessories for efficient full load operation.
3	Emission Standard	The Emission Standard of the vehicle should be capable of meeting applicable Nepal Vehicle Mass emission standard 2069, which is to be certified by Department of Transport Management, Nepal
4	Gauges	Should include Speedometer, Water Temperature, Fuel, Oil Pressure, transmission gauge etc as necessary for the efficient operation and maintenance.
5	Clutch	Dry, Single plate
6	Ground Clearance	High ground clearance preferred, minimum 175mm.
7	Transmission	Manual shift at least five forward and one reverse, all forward synchromesh.
8	Tires	Standard tires.
9	Dimensions	Standard, within Nepal Government regulations
10	Suspension and Brakes	Suspension
		Front: Coil springs / torsion bar / shock absorber.
		Rear: Leaf Spring / Shock absorber Brakes Front: Disc Brakes
		Rear: Disc / Drum type
11	Steering	Power steering
12	Fuel tank capacity	Minimum 55 liters
13	Cab	4 side door, 1 back door, all metallic cab with insulated roof, laminated/tinted glass wind screen washers and wipers, glass windows on doors, comfortable and adjustable seats for driver and passenger, two sun visors, rear view mirror and power / manual side view mirror
14	Chassis and Frame	Steel, heavy duty suitable for rough road conditions with tow hook
15	Color	Standard color. Shall be finalized during signing of contract agreement
16	Instructions	All signs and instruction in the vehicle shall be in English.
17	Proven performance	Bidder shall provide the manufacturer's data of the performance of the unit to include fuel consumption, performance curve of the engine.
18	Manuals	One copy of the operators and owner's instruction and maintenance manual in English to be supplied with vehicle.
19	Essential Accessories	The vehicle should be equipped with:
		i. Head light, tail and rear light, reversing light and turn signal
		ii. Cabin light
		iii. Odometer / speedometer
		iv. 1 spare wheel with tire and tube
		v. Mud guards, seat cover, floor mats, steering cover, hood carrier, door visor etc
		vi. Seat belts for drive and co-driver
		vii. Air conditioner 2set
		viii. Audio system radio/CD/ FM
ix. Tool box with all standard required tools and tackles for general vehicle maintenance.		



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		x. ORVM
		xi. Charging Point
		Equipped with all accessories offered in standard model but not limited to above items.
20	Warranty	Minimum one year warranty after acceptance to be provided by manufacturer.
21	Delivery	Hard top of one unit of Jeep shall be made delivered to the office of Ilam Municipality, Ilam.