

Technical Specifications

4 WD (1900-2000) CC Vehicle Jeep

1 Unit

S.No	CRITERIA	REQUIREMENT	OFFERED SPECIFICATION
1	General	4 WD Vehicle Jeep, Right Hand Drive model with two and four wheel drive , suitable for driving both in ON-ROAD condition and in OFF-ROAD conditions capable of delivering strong adequate traction needed for safe driving in rough, sandy or slippery and hilly road conditions in Nepal. Gross Vehicle Weight of the vehicle not less than 2500 Kgs.	Make: Model:
2	Engine	(1900-2000) CC, 4 Stroke water cooled diesel Engine , developing rated maximum Power output not less than 87 kW and maximum Torque not less than 280 N-m 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.	Make: Model:
3	Emission Standard	The emission standard of the offered vehicle must be in compliance with or superior than the applicable Standard as prescribed by “Nepal Vehicle Mass Emission Standard 2069 (Euro III)” which is to be certified by Department of Transport Management.	
4	Gauges	Fitted with all the gauges, indicators, signals as necessary for efficient operation, functional monitoring, vehicle performance and maintenance that includes (but not limited to) Battery charge indicator, water temperature, fuel, oil pressure, transmission gauge etc. with all standard items of offered model vehicle	
5	Transmission	Manual shift, at least five forward and one reverse , all forward synchromesh, floor mounted, 4WD engaged through control at driver.	
6	Ground clearance	High ground clearance preferred, minimum 180 mm.	

7	Turning Radius	Less Than 7 m	
8	Fuel Tank	Not Less Than 55 Ltr.	
9	Suspension	Front: Double wishbone with coil spring and stabilizer, shock absorber. Rear: Multi Link Coil Spring Suspension with anti Rollbar	
10	Tyres	Standard Size	
11	Dimensions	Wheel Base (2600-2700)mm Overall Width Not Less Than 1800mm Overall Length Not Less Than 4450 mm Overall Height Not Less Than 1990mm	
12	Steering	Hydraulic Power Steering	
13	Brakes	Front Caliper Type Ventilated Disc, rear drum type, and parking brake.	
14	Cab	5 doors, all metallic cab with insulated roof, right hand drive, laminated glass windscreen, wipers, glass windows on doors, through ventilation, comfortable and adjustable seats for driver and passenger, floor mats, two sun visors, and two side view mirrors and rear view mirror.	
15	Chassis and Frame	Steel, heavy duty high rigidity frame structure suitable for rough road conditions with hook at front.	
16	Essential Accessories	<ol style="list-style-type: none"> 1. Head light, tail and rear light, reversing light and turn signals 2. Cabin lights 3. Speedometer / Odometer 4. Spare wheel with tyre and tube 5. Front seat belt for driver and Co-passenger 6. Air Conditioner 7. Defroster/Heater 8. Central Door Locking System 9. Windows - Manual (Front/Rear) 10. Suitable jack with handle 11. Airbags & ABS <p>To be equipped with all accessories offered in standard model catalogue provided by principal manufacturer but not limited to the above items.</p>	
17	Instructions	All signs and instructions in the vehicle shall be in English.	
18	Manuals	One copy of the Operator's and Owner's Instructions in English shall be supplied with vehicle.	

19	Tools	A set of tools, with a tool bag, as required for general maintenance shall be supplied.	
20	Color	Standard Color	
21	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	
22	Warranty	Manufacturer shall provide a minimum of one year warranty after acceptance.	
23	Delivery	The Vehicle Jeep, RHD, (4X4), units shall be delivered to : Pokhara University, Kaski, Nepal.	

Note: The major items are indicated by bold and highlighted letters/alphabets/figures in the technical specifications. Non-compliance of these major items will result in non-responsiveness of the bid