

Technical Specification of 4WD Hardtop Diesel SUV

Diesel SUV 2100-2400 cc

Offered Model:

S. No.	Criteria	Requirement	Offered Specification
1	General	5 Doors, Right Hand Drive model, with four wheel drive, hard top Diesel SUV suitable for driving in Nepal at an altitude up to 2000 meter and in ambient temperature between -5 to 50 degree centigrade. Shall have seating capacity for at least 7 passengers including driver and GVW not less than 2500 kg.	
2	Engine	Liquid cooled, CRDI (common rail direct injection) Diesel Engine, 2100-2400cc developing Maximum rated output not less than 120 BHP at governed rpm, Max. torque not less than 250 Nm at rated rpm (engine fully equipped with accessories)	
3	Dimension	Overall length :4400mm to 4700 mm Overall Width: 1700 mm to 2000mm Overall Height 1700 mm to 2000 mm Overall Wheelbase;2600mm to 2700mm	
4	Emission Standard	The Emission Standard of the vehicle should be of Nepal Mass Emission Standard-2069 (Euro-III) which is to be certified by Department of Transport Management, Nepal.	
5	Transmission Type	4 WD, Manual shifts at least five forward and one reverse , all forward synchromesh.	
6	Gauges	To include speedometer, Odometer, water temperature, fuel, oil pressure, Battery etc. as necessary for efficient operation and maintenance.	
7	Clutch	Dry, Single Plate	
8	Ground Clearance	Minimum ground clearance 180 mm high ground clearance preferred.	
9	Suspension	Front: Independent type with coil/torsion spring with shock absorber Rear :Multi Link with coil spring	
10	Turning Radius	Not more than 6 meters .	
11	Tyres	Standard Size with tubeless tyre	
12	Steering	Power assisted/Power steering	
13	Brakes	Front: Disc type Rear: disc/drum type. Hydraulic operated with ABS (antilock braking system), and parking brake.	
14	Chassis and frame	Steel, heavy duty suitable for rough road conditions with towing hook	
15	Essential Accessories	1. Head Light, tail and rear light ,reversing light and turn signals 2. Cabin Lights 3. Body colour bumpers 4. One spare wheel with tyre 5. Suitable hydraulic/screw Jack 6. Seat belt for driver, co-driver and passenger	



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		7. Audio playback with CD, DVD, Radio AM/FM, USB 8. Floor Mats 9. Heating ventilation and Air Conditioning 10. Dual Air Bags 11. Power windows 12. Central Locking 13. Manual adjustable ORVM(outside rear view mirror)	
16	Instructions	All signs and instructions in the vehicle shall be in English.	
17	Manuals	Copy of the Operator's/Owner's Instructions manual in English shall be supplied with vehicle.	
18	Tools	A set of tools as required for general maintenance shall be supplied.	
19	Color	Standard	
20	Proven Performance	1. The vehicle offered shall be a current model under standard production by the manufacturer. 2. The bidder shall provide the manufacturer's data of the performance of the unit to include the fuel consumption, performance curve of the engine and production capacity of the unit.	
21	Warranty	Manufacturer shall provide a minimum of one-year warranty after delivery.	
22	Fuel Tank capacity	Not less than 60 ltrs.	
22	Delivery	The vehicle 1 unit shall be delivered to: Pancheshwar Rural Municipality, Office of Rural Municipal Executive, Aamchaura-4, Baltadi, Nepal	

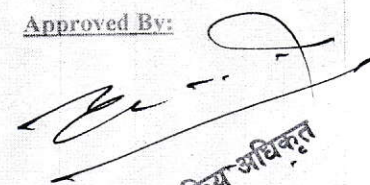
The major items are indicated by bold and highlighted letters/ alphabets/ figures in the technical specifications. Non-compliance of these major items will result in non-responsiveness of the bid offered.

Prepared by:

Er. Surya Prakash Pandeya
Designation: Mechanical Engineer
NEC Reg. No.: 2289 Mechanical 'A'
Date: 2075-10-23




Approved By:



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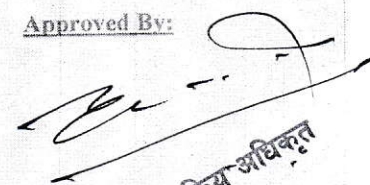
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