



Technical Specification of Vehicle

Item: Four wheel drive SUV (Sports Utility Vehicle)

S.N.	Criteria	Requirements
1.	General	Four Wheel Drive SUV (Sports Utility Vehicle) type off road vehicle suitable to operate in rough and hilly road condition of Nepal. Gross Vehicle Weight (GVW) shall not less than 2550 Kg and shall have total seating capacity for at least 7 persons including driver. Right Hand Drive.
2.	Engine	Four Stroke. Four Cylinders. Water-cooled diesel Engine. Engine volume 2100 to 2300 cc. Developing 'Max. Rated power' not less than 115 bhp at governed RPM and 'Max. Rated Torque' not less than 270 Nm at governed RPM.
3.	Emission Standard	The Emission Standard of the vehicle should be capable of meeting applicable Nepal Vehicle Mass Emission Standard which must be certified by Department of Transport Management, Nepal.
4.	Gauges	Speedometer, odometer, temperature, fuel gauges etc. as necessary for efficient operation and maintenance.
5.	Clutch	Dry Single Plate.
6.	Transmission	Manual shift at least five forward and one reverse, floor mounted.
7.	Turning Radius	Not more than 5.9 m.
8.	Ground Clearance	Minimum 175 mm.
9.	Suspension	Double wishbone/ Torsion bar/ Telescopic shock absorber/Anti roll bar/stabilizer bar/hydraulic double acting/ five link type suspension/Mac pherson/ Multi-link coil spring.
10.	Tires	Standard radial size.
11.	Steering	Power assisted.
12.	Brakes	Front disc type, Rear drum/disc type hydraulic operated on all wheels and parking brake.
13.	Body/Cab	Four side doors and one rear door for luggage compartment at the rear of the Vehicle. All metallic cab with insulated roof. Laminated/tinted glass windscreen, washers and wipers, comfortable and adjustable seats for driver and front seat passenger. Five forward facing seats & rear two sides seat. Two sun visors, rear view mirror and two side view mirrors.
14.	Chassis and frame	Steel, heavy duty suitable for rough road conditions with towing hook.

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15.	Fuel Tank Capacity	Minimum 60 Liters
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. Spare wheel with tubeless tyre .4. Suitable Jack with handle.5. Seats belts for driver, front-seat passenger.6. Music system with AM/FM/USB.7. Heater.8. Air Conditioner.9. Power window front and rear.10. Central door lock.11. Floor mats.12. Door visor.13. ABS(Anti lock braking system)14. Air Bag: minimum driver & front-seat passenger.15. Hydraulic –Assisted Bonnet.
17.	Instructions	All signs instructions in the vehicle shall be in English.
18.	Manuals	One copy of the Operator's and Owner's instructions and Maintenance manual in English shall be supplied.
19.	Tools	A set of tools as required for general maintenance shall be supplied with a lockable toolbox.
20.	Colour	Standard.
21.	Proven performance	<ol style="list-style-type: none">1. The vehicle offered shall be a current model under standard production by the manufacturer.(Manufactured year:2017)2. The bidder shall provide the manufacturer's data of the performance of the unit to include the fuel consumption and performance curve of the engine.
22.	Warranty	Manufacturer shall provide a minimum of one year warranty after acceptance.
23.	Delivery	The vehicle shall be delivered to: Ministry of Industry, Singhadarbar, Kathmandu.