

Technical Specification for 4WD SPORT UTILITY VEHICLE (SUV)

S.N	Criteria	Requirement	Offered Specification
1.	General	Five Doors, Right Hand Four Wheel Drive SUV suitable for hilly rough road driving in Nepal. Gross Vehicle Weight should not be less than 2500 kg and shall have seating capacity for at least 7 passengers including driver.	
2.	Engine	4-Stroke, Liquid cooled Diesel Engine, 4 valves per cylinder. Variable Geometry Turbocharger with Intercooler. Common rail Direct Injection Technology. Developing Maximum rated power output not less than 120 bhp and maximum torque should not be less than 280 N-m at governed rpm.	
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	To include 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, all forward synchronesh suitable for comfort and safe driving.	
7.	Safety Features	Anti-Lock Braking System with EBD. Driver & Passenger Airbag. Central Locking. Rear Parking Sensors. Anti-Theft Alarm. Rear Seat Belt. Engine Immobilizer. Front Fog Lights	
8.	Ground clearance	High ground clearance preferred, minimum 180 mm.	
9.	Suspension	Double wishbone/telescopic/shock absorber/Anti roll bar/stabilizer bar/hydraulic double acting/five link type suspension/Mac pherson/Multi-link.	
10.	Tires	Radial Tubeless, Alloy Wheels.	
11.	Steering	Power assisted	
12.	Brakes	Front Brake: Caliper type Ventilated Disk Rear Brake Type: Drum	

13.	Comfort & Convenience	<ol style="list-style-type: none"> 1. Air Conditioner 2. Heater 3. Steering Adjustment 4. Cruise Control 5. Power Outlets 12V 6. Electrically Adjustable Rear View mirror 7. Height Adjustable Driver Seat 8. Climate Control 9. Keyless Entry 10. Power Window System (Front & Rear) 	
14.	Chassis and frame	Steel, heavy duty suitable for rough road conditions.	
15.	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. Suitable jack with handle 6. Armrest and Cup holders <p>To be equipped with all accessories offered in standard model but not limited to the above items.</p>	
16.	Instrumentation & Communication	<ol style="list-style-type: none"> 1. Low Fuel Warning 2. Door Ajar Warning 3. Seat Belt Warning 4. GPS Navigation 	
17.	Manuals	One copy of the Operator's and Owner's instructions manual in English shall be supplied.	
18.	Tools	A set of tools for general maintenance shall be supplied.	
19.	Color	Standard	
20.	Proven performance	<ol style="list-style-type: none"> 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 acceptance.	
22.	Delivery	As per terms and conditions.	

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10.	Tires	Radial Tubeless, Alloy Wheels.	
11.	Steering	Power assisted	
12.	Brakes	Front Brake: Caliper type Ventilated Disk Rear Brake Type: Drum	