

Technical Specification

for Procurement of

Four wheel drive SUV (Sports Utility Vehicle)

Offered Item:-

Suppliers/Manufacturer Name/Address:

S. N.	Criteria	Requirements	Offered Specification (to be filled by suppliers)	Remarks
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 2500 Kg • 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 • '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		

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		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 5.7 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.		

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14.	Chassis and frame	- Steel, heavy duty suitable for rough road conditions - Towing hook.		
15.	Fuel Tank Capacity	Minimum 60 Liters.		
16.	Essential Accessories	- Head light, tail and rear light, reversing light and turn signals. - Cabin lights. - Spare wheel with tubeless tyre . - Suitable Jack with handle. - Seats belts for driver, front-seat passenger. - Music system with AM/FM/USB. - Air Conditioner. - Power window front. - Central door lock. - Floor mats. - Door visor. - ABS (Anti lock braking system) - Air Bag: minimum driver & front-seat passenger. - 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.		

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19.	Tools	A set of tools as required for general maintenance shall be supplied with a lockable toolbox.		
20.	Colour	Standard.		
21.	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 and performance curve of the engine.		
22.	Warranty	Manufacturer shall provide a minimum of one year warranty after acceptance.		

Signature: 

Name: Prem Subedi

Office: Department of Industry

Designation: Mechanical Engineer

NEZ No.: 1180 Mechanical 'A'

Date: 2075/07/26

Cost Estimate for Procurement of 4WD SUV

S.N.	Items	Number	Unit Rate	Total
1	Four wheel drive SUV (Sports Utility Vehicle)	1	5,650,000	5,650,000

In Words : Fifty Six Lakhs Fifty Thousand Rupees only

[Signature]

Technical Specification for Procurement of Motorcycle

No. of Units: - 10, Type: - Motorcycle

S.N.	Criteria	Requirements	Offered Specifications
1	Engine		
1.1.	Type	4 stroke, Single Cylinder, SI Engine	
1.2.	Capacity	150 CC $\pm$ 5 CC	
1.3.	Power	14 PS $\pm$ 10% @ rated RPM	
1.4.	Torque	12.5 N-m $\pm$ 10% @ rated RPM	
2	Front Brake	Disc Type	
3	Rear Brake	Drum or Disc Type	
4	Starter	Both Kick and Electric	
5	Fuel Tank Capacity	At least 14 Liters including Reserve	
6	Wheel Base	Not less than 1300 mm	
7	Ground Clearance	Not Less than 150 mm	
8	Tyres	Tubeless with standard Dimension	
9	Total Weight	120 kg -200 Kg	
10	Other	All Standards Features and Accessories including a helmet and a leg- guard	
11	Performance	Proven Performance	
12	Emission	Should Meet Nepal Vehicle Mass Emission Standard	
13	Warranty	At Least one year and minimum four free service coupon	


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Cost Estimate for Procurement of Motorcycle

S.N.	Items	Number	Unit Rate	Total
1	Motorcycle	10	260,000	2,600,000

In Words : Twenty six Lakhs Rupees only

