

Technical Specification

Office Name: Suklaphata Municipality, Jhalari, Kanchanpur

Vehicle: 4WD Sports Utility Hardtop Jeep (Engine power ≥ 115 HP)

Quantity: 1 Unit

S. N.	Criteria	Requirements of office	Offered specification
1.	General	Hard Top Jeep, Right Hand Drive model with four wheel drive , suitable for driving in rough and hilly road condition of Nepal at an altitude up to 3000 meter and in ambient temperature between minus 10 to 50 degree Celsius. The Gross weight of the vehicle shall not be less than 2500 kg and shall have seating capacity for at least 7 persons including driver .	Make: Model: Country of Origin:
2.	Engine	Water cooled four stroke diesel engine , Engine Volume should not be less than 2100cc having turbocharger with intercooler. The maximum power and torque output shall not be less than 115 BHP and 265 Nm at governed RPM respectively . The engine shall be fully equipped with accessories for efficient full load operation of jeep at operating condition.	Make: Model: Country of Origin:
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 " which is to be certified by Department of Transport Management, Nepal .	
4.	Gauges	To include ammeter, speedometer, water temperature, fuel, oil Pressure etc. as necessary for the efficient operation and maintenance of the vehicle, signals for 4WD, door lock etc.	
5.	Clutch	Dry, Single plate	
6.	Transmission	Manual shift at least five forward and one reverse, all forward synchromesh; 4WD engaged through control at driver seat.	
7.	Tires	Standard size	
8.	Dimension and Weight	Overall Dimension (LxBxH) : At Least (4400x1700x1950)mm Wheelbase: Minimum 2650 mm Ground Clearance: At Least 180 mm	



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9.	Suspension & Brakes	Coil spring suspension with telescopic shock absorbers at front and rear. <u>Brakes</u> Front: Disc type Rear: Disc / Drum type Hydraulic operated brakes on all wheels Parking Brake: dual circuit mechanical/electrical parking brake preferred. Anti-lock brake system (ABS) with EBD	
10.	Steering	Power Steering	
11.	Turning Radius	Not more than 6 meters.	
12.	Fuel Tank Capacity	Minimum 55 ltrs.	
13.	Cab	Four side door and One back door, all metallic cab with insulated roof, laminated/tinted glass wind screen washers and wipers, comfortable and adjustable seats for driver and co-driver, floor mats, two sun visors, a rear view mirror and two side view mirror.	
14.	Chassis & Frame	Steel, heavy duty, with toe-hooks in front and rear.	
15.	Essential Accessories	<u>The vehicle should be equipped with:</u> <ul style="list-style-type: none"> • Cabin lights, Head lights, tail and rear lights, reversing lights and turn signals • Odometer / Speedometer • One spare wheel with tyre and tube • Suitable hydraulic jack with handle • Mud guards, Floor carpet • Seat belts reminder for driver and co-driver • Air conditioner with heater • Minimum dual front air bag safety system • Central Locking System • Power windows (front & rear) • ORVMS • Panic brake indication • Auto door lock while driving • Charging Points • Audio System: AM/FM Radio with CD/DVD/MP3/USB Drive Player. Equipped with all accessories offered in standard model but not limited to the above items.	



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16	Instructions	All signs and instructions in the vehicle shall be in English.	
17.	Manual	One copy of the operators and owner's instruction and maintenance manual in English.	
18.	Tools	A set of tools with tool back for general maintenance shall be supplied.	
19.	Color	Standard	
20.	Proven Performance	1. The machine offered shall be a current model under standard production by the manufacturer for at least one year. 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.	
21.	Warranty	Manufacturer shall provide a minimum of one year warranty after acceptance.	
22.	Initial Service	The supplier shall provide with the vehicle all the necessary filters and spare parts required for the first two services, after the vehicle has been commissioned and accepted.	
23.	Delivery	<u>The vehicle should be delivered to:</u> Suklaphata Municipality, Jhalari, Kanchanpur	

Notes:

- The major items are indicated by bold and highlighted letters/alphabets/figures in the technical specifications. Non- compliance of theses major items will result in non-responsiveness of the bid.
- The bidder must submit documentary evidences/ manufacturer declaration showing that he/she meets all the requirements as mentioned in *Section III, Evaluation and Qualification Criteria.*

Bidder's Signature.....

Date.....

Prepared By:

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Mechanical Office, Budar, Doti
NEC No. : 340 Mechanical "A"



Approved by: प्रमुख प्रशासकीय अधिकृत
Bishansingh Thapa
Chief Administrative officer
Suklaphata Municipality, Jhalari,
Kanchanpur



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