

Technical Specifications

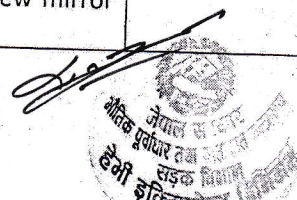
The purpose of the Technical Specifications (TS) is to define the technical characteristics of the Goods and Related Services required by the Purchaser. The TS, as a part of the schedule of Requirements (SR), constitute a Contract document and are, therefore, a part of the Contract. The Purchaser must prepare the TS and include them as a part of the Procurement Document, as applicable to each Contract.

4WD Hardtop Jeep.

1.Unit

S.N	Criteria	Requirement	Offered Specification
1.	General	Five Doors Right Hand Four Wheel Drive Hard Top 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.	Make: Model: MFG.Year: Country of. Origin: GVW: Seating Capacity:
2.	Engine	4-Stroke, water cooled Diesel Engine 1900 to 2100cc developing Maximum rated power output not less than 120 PS and maximum torque should not be less than 250 N-m at governed RPM, shall fully equipped with accessories for efficient full load operation of SUV.	Make: Model: Displacement: Power Output: Torque: No. of Cylinder:
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 synchromesh suitable for comfort and safe driving.	
7.	Turning Radius	Not more than 6m	
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 person/Multi-link.	
10.	Tires	Standard radial size	
11.	Steering	Power assisted	
12.	Brakes	Front disc type, rear drum 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 jeep. All metallic cab with insulated roof. Laminated / tinted glasses windscreen, front windscreen washers and wipers, comfortable and adjustable seats for driver and co-passengers. 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 with towing hook	
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. Air Conditioning System 7. Central Door Locking System 8. Air Bag Safety System 9. Power Window System (Front & Rear) <p>To be equipped with all accessories offered in standard model but not limited to the above items.</p>	
16.	Instructions	All signs instructions in the vehicle shall be in English.	
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 Jeep 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	<p>1. unit 4WD Hardtop /SUV Type Jeep shall be Delivered to:- कृषि विकास निर्देशनालय नक्टाङ्गिज, प्रदेश नं.२ धनुषा नेपाल </p>	

Note:

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.

Bidders signature.....

Date.....

Prepared By:

(Jitendra Kumar Singh)

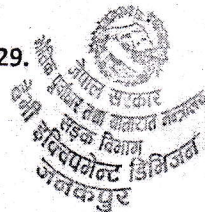
Mechanical Engineer

ROD, HED Janakpurdham, Dhanusha Nepal.

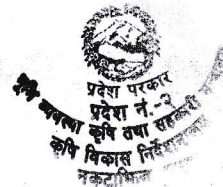
Signature


Date : 2078-04-29.


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Approved by:.....




डा. रमण कुमार मना
विजित प्रमुख