Technical Specification

OWNER:- Madi Rural Municipality, Ghartigaun (Rolpa) HARDTOP JEEP 4WD

. Unit 1

		Unit 1	Unit 1				
S. N.	Criteria	Office Requirements	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 upto 2000 meter and in ambient temperature between minus 5 to 50 degree Celsius. The gross vehicle 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	Make: Model:					
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						
5.	Clutch	maintenance of the vehicle Dry, Single plate					
6.	Transmission	Manual shift at least five forward and one reverse, all forward synchromesh; 4WD engaged through control at driver seat.	PUI (1988), diskla view kome om en engel (1981 (1971) in konstanten engel (1991) in konstanten en engel (1991) in konst				
7.	Tires	Standard size					
8.	Dimension and Weight	Wheelbase: Minimum 2500 mm Ground Clearance: At Least 180 mm					
9.	Suspension & Brakes	Suspension Leaf springs / coil springs / torsion bar / shock absorbers at front and rear. Brakes :- Front: Disc type Rear: Disc / Drum type Hydraulic operated brakes on all wheels Parking Brake: dual circuit parking brake preferred.					
10.	Steering	Power Steering					
11.	Turning Radius	Not more than 6 meters.					
12.	Fuel Tank Capacity	Minimum 60 Ltrs.					
13.	Cab	4 side door and 1 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, 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.					

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		The vehicle should be equipped with:	
15.	Essential Accessories	 Head lights, tail and rear lights, reversing lights and turn signals Cabin lights Odometer / Speedometer 1 spare wheel with tyre and tube Suitable hydraulic jack with handle Seat belts for driver and co-driver Minimum two front air bag safety system Heating, Ventilation & AC Power Windows Equipped with all accessories offered in standard model but not	
16	Instructions	limited to the above items. 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 for general maintenance shall be supplied.	
19.	Colour	Standard	
20.	Proven Performance	 The machine offered shall be a current model under standard production by the manufacturer for at least one year. 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 service, after the vehicle has been commissioned and accepted.	
23.	Delivery	The vehicle one unit should be delivered to: Madi Rural Municipality Office of the rural Municipal Executive Ghartigaun (Rolpa) Lumbini Province, Nepal	

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.

Bidder's Signature Date Date	

Prepared By:

Om Bahadur Thapa Mechanical Engineer Heavy Equipment Division, Nepalgunj Date and Signature -

Abstract of Cost

1. Name of work: Supply and Delivery of a 4WD Jeep (Full Option) for Madi Rural Municipality (Rolpa)

				Rate		Amount		
S.N	Description of work Standard Hard Top Jeep, Right Hand Drive model with four wheel drive Water cooled four stroke diesel engine The maximum power and torque output shall not be not less than 120 HP and 280 Nm at governed RPM. Equipped with following major accessories • Minimum two front air bag safety system • Power windows • Heating, Ventilation & AC	Unit	Quantity 1	US\$	NRs 53,0,734.51	US\$	NRs 53,0,734.51	Remarks
	Sub total of machine VAT						53,0,734.51	
	7.4.4.4						6,90,265.49	
	Total Amount (NRs)						60,00,000.00	

Mechanical Engineer मेकानिकल इन्जिनियर

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