

## Technical Specification of 4WD Double Cab Pick-up

S. No	CRITERIA	DEPARTMENTAL REQUIREMENT	OFFERED SPECIFICATION
1	General	Double Cab Pickup, Right Hand Drive Model with four wheel drive, suitable for driving both in ON-ROAD condition giving smooth economic performance and in OFF-ROAD conditions capable of delivering strong adequate traction and maneuverability/stability needed for safe driving in rough, sandy or slippery and hilly road conditions in Nepal at an altitude up to 2000 meter and in ambient temperature between -5 <sup>0</sup> C to 50 <sup>0</sup> C. The total seating capacity of double cab pickup should be <b>at least 5 persons including driver.</b> <b>Gross Vehicle Weight of the vehicle not less than 3000 kgs.</b> <b>Pay load not less than 950kg</b>	Make: Model: Country of Origin:
2	Engine	<b>Water cooled diesel Engine (More than 2100 CC), developing rated Power Output not less than 130HP and Torque not less than 300 N-m at governed RPM</b> engine shall be fully equipped with all necessary items/accessories) for efficient fully load operation of double cab pickup at operating conditions, shall be equipped with cold starting device, direct electric starting system, heavy duty fuel filter.	Make: Model:
3	Emission Standard	The emission standard of the offered vehicle must be in compliance with or superior than the applicable <b>Standard as prescribed by Nepal Vehicle Mass Emission Standard which is to be certified by Department of Transport Management.</b>	
4	Gauges	Fitted with all the gauges, indicators, signals as necessary for efficient operation, functional monitoring, vehicle performance and maintenance that includes (but not limited to) Battery charge indicator, water temperature, fuel, oil pressure etc. with all standard items of offered model vehicles	
5	Clutch	Dry, Single Plate.	
6	Transmission	Manual shift, <b>at least Six Forward and one reverse</b> , all forward synchromesh, floor mounted, <b>4WD</b> engaged through control at driver.	

**BAGESHWORI ENGINEERING SERVICES**

NEC Registration No. 2080 “ Mechanical ” “A”

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7	Ground Clearance  Cargo box dimension  Length Breadth Height	<b>Minimum 200 mm.</b> Higher ground clearance preferred  <b>Not less than 1450mm</b> <b>Not less than 1500mm</b> <b>Not less than 500mm</b>	
8	Suspension	Suitable for toughest terrain, smooth ride, stable Handling and comfortable driving conditions. Front: In dependent torsion bar or coil spring and stabilizer. Rear: Leaf springs and shock absorbers	
9	Turning radius	More than 6.5 Meters	
10	Fuel tank capacity	More than 70 Liters	
11	Tyres	Standard Size	
12	Steering	Power assisted/Power Steering	
13	Brakes	Front Disc type, rear drum type, hydraulic operated on all wheels, and parking brake.	
14	Cab	4 doors, all metallic cab with insulated roof, right hand drive, laminated glass windscreen wipers, glass windows on doors, through ventilation, comfortable and adjustable seats for driver and passenger, two sun visors, and two side view mirrors and rear view mirror. Rear body to be metallic, pickup type with drop type tail board.	
15	Chassis and Frame	Steel, heavy duty high rigidity frame structure suitable for rough road conditions with hook at front.	
16	Essential Accessories	<ol style="list-style-type: none"> <li>1. Head light, tail and light, reversing light and turn signals.</li> <li>2. Cabin lights.</li> <li>3. Speedometer/ odometer.</li> <li>4. Heavy duty front bumper.</li> <li>5. Spare wheel with tyre and tube</li> <li>6. <b>Jack with handle</b></li> <li>7. <b>Front seat belt for driver and co-passenger</b></li> <li>8. <b>Front dual airbags system</b></li> <li>9. <b>Air Conditioner</b></li> <li>10. <b>Power Windows</b></li> <li>11. <b>Central Door Locking System</b></li> <li>12. <b>MP3 Player, USB port, Preferably with Radio, MW &amp; FM (Manufacturer Fitted)</b> Equipped with all accessories offered in standard model but not limited to the above items.</li> </ol>	
17	Instructions	All signs and instructions in the vehicle shall be in English.	

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18	Manuals	One copy of the Operator's and Owner's Manual in English shall be supplied with each vehicle.	
19	Tools	A set of tools as required for general maintenance shall be supplied with each unit.	
20	Color	Standard	
21	Proven Performance	The bidder shall provide the manufacturer's data of the performance curve of the engine.	
22	Warranty	Manufacturer shall provide a <b>minimum of one year warranty after acceptance.</b>	
23	Delivery	<b>The 4WD Double Cab Pick-up should be delivered to Sidingwa Gaaupalika, Taplejung, Koshi Pradesh, Nepal</b>	

**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.

Prepared by,

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Er. SaubhagyaThapa

Bageshwori Engineering services Pvt. Ltd