



Technical Specification for Procurement of Double Cab Pickup

Qty: 1

S.N.	CRITERIA	DEPARTMENTAL REQUIREMENT	OFFERED SPECIFICATION
1	General	Double cab Pickup, Right Hand Drive model with two and four wheel drive mode. suitable for driving both in ON-ROAD condition giving smooth economical 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 upto 3000 meter and in ambient temperature between -5°C to 50°C . Gross Vehicle Weight of the vehicle not less than 2800 Kgs and shall have seating capacity for at least 5 passengers including driver.	Make: Model: Country of Origin:
2	Engine	Water cooled diesel Engine, developing rated Power output not less than 120 Hp and Torque not less than 260 N-m at rated RPM. The Engine shall be fully equipped with all necessary items/ accessories and controlling devices for safe, smooth, efficient, economical operation and optimizing vehicle performance producing lesser amount of pollutive emissions.	Make: Model:
3	Emission Standard	The emission standard of the offered vehicle must be in compliance with or superior to the applicable Standard as prescribed by Nepal Vehicle Mass Emission Standard which is to be certified by Department of Transport Management.	
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, transmission gauge etc. with all standard items of offered model vehicle	
5	Transmission	Manual shift, at least five forward and one reverse. all forward synchromesh, 4WD engaged through control at driver.	
6	Ground clearance	Minimum 210 mm. Higher ground clearance preferred	
7	Suspension	Suitable for toughest terrain, smooth ride, stable handling and comfortable driving conditions. Front: Independent, Double wishbone with coil spring	

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		and stabilizer/Torsion Bar. Rear: Leaf springs /shock absorbers	
8	Tyres	Standard Size	
9	Steering	Power assisted/Power Steering	
10	Brakes	Front Disc type, rear drum type, hydraulic operated on all wheels, and parking brake.	
11	Fuel Tank Capacity	Not less than 65 Liters.	
12	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.	
13	Chassis and Frame	Steel, heavy duty high rigidity frame structure suitable for rough road conditions with hook at front.	
14	Essential Accessories	<ul style="list-style-type: none"> • Head light, tail and rear light, reversing light and turn signals. • Cabin lights • Speedometer / odometer. • Heavy duty front bumper. • 1 Spare wheel with tyre and tube • Hydraulic jack with handle • mud guard at front and rear • Floor mats • Steering Cover • Seat Cover • Front seat belt for driver and co-passenger • Air Conditioner with heater • ABS • Power Windows • Central Door Locking System • Dual Airbag • CD/MP3 Player, Preferably with Radio, MW & FM. <p>Equipped with all accessories offered in standard model but not limited to the above items.</p>	
15	Instructions	All signs and instructions in the vehicle shall be in English.	
16	Manuals	One copy of the Operator's and Owner's Instructions and Maintenance manual in English shall be supplied.	
17	Tools	A set of tools, with a tool bag, as required for general maintenance shall be supplied.	


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18	Color	Standard Color	
19	Proven performance	1. The vehicle 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 and production capacity.	
20	Warranty	The vehicle shall be warranted for at least 30,000 km or a minimum of one year after acceptance .	
21	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.	
22	Delivery	The Double-cab Pickup, RHD, (4X4), 1 unit, shall be delivered to: Khandadevi Rural Municipality, Office of the Rural Executive, Makadam, Ramechhap	

Prepared By:

Signature:

Name: Babu Ram Kharel

Designation: Mechanical Engineer

Office: Heavy Equipment Division, Baneshwor


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Approved By: अधिकृत
प्रमुख प्रशासिक



Technical Specification of Backhoe Loader

Quantity: 1 Unit

S.N.	CRITERIA	REQUIREMENT	OFFERED SPECIFICATION
1	General	All wheel drive, rigid frame back hoe loader with Steel cab, suitable for operation under rough working conditions and adverse climatic condition at operating altitude of 2000 m and ambient temperature varying between -10 ⁰ C to 50 ⁰ C.	Make: Model: Country of Origin:
2	Capacity	<p>1. Loader: General purpose bottom dump (6-in-1) bucket with bolt on teeth of SAE rated capacity nominally heaped approx. 1 cu.m with break out force not less than 6000 kgf, Lift capacity at full height not less than 3000 kg, and maximum dumping height not less than 2700 mm.</p> <p>2. Back hoe bucket with bolt on teeth of SAE rated capacity at least approx 0.3 cu.m, with break out force not less than 5500 kgf, and following working ranges:</p> <ul style="list-style-type: none">• Maximum working height : Not less than 5500 mm• Maximum digging depth : Not less than 4700 mm• Maximum digging reach : Not less than 5900 mm <p>Out triggers with controls from cabin shall be provided.</p>	
3	Engine	Water cooled diesel Engine, developing SAE rated net flywheel horsepower not less than 90 hp with minimum 400 N-m Torque (engine fully equipped with accessories) at governed RPM for efficient full load operation. Back hoe shall be equipped with heavy duty radiator, cold starting device, direct electric starting system, heavy duty battery, heavy duty air cleaner, heavy duty fuel filter, with water trap and drainage in fuel line and drain tap in fuel tank.	Make: Model:
4	Gauges	To include ammeter, water temperature, fuel, oil pressure, transmission and hydraulic gauges as necessary for efficient operation and maintenance.	
5	Transmission	Torque converter with at least four speed synchromesh type of transmission.	


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6	Axles	Four wheel drive with fixed rear axle and at least 15° oscillating front axles.	
7	Tires	Suitable heavy duty four tires with tubes for operating machine in rough road conditions shall be provided.	
8	Steering	Power assisted.	
9	Brakes	Hydraulically actuated, wet multiple disc/caliper disc type service brake and separate parking brake.	
10	Cab	All steel enclosed cab with laminated glass windscreen insulated roof, suitably located controls for back hoe and loader operation, rear view mirror, cabin light, wiper and adjustable cushioned seat for operator shall be provided.	
11	Hydraulics	Suitable hydraulic pumps and system for smooth operation of all attachments smoothly.	
12	Essential Accessories	1. Road lights, work lights and fog lights 2. Cabin lights 3. Service hour meter	
13	Instructions	All signs and instructions in the equipment shall be in English.	
14	Manuals	1. One copy of the Operator's and Owner's Instructions and Maintenance manual in English shall be supplied with each equipment. 2. One copy of following manuals in English shall be supplied with each equipment: a. Spare parts catalogue b. Comprehensive workshop manual	
15	Tools	A set of tools as required for general maintenance shall be supplied with in a lockable tool box.	
16	Color	Orange / Construction equipment yellow.	


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No. 886 Mechanic


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17	Proven performance	<ol style="list-style-type: none"> 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 and production capacity of the unit. 	
18	Warranty	Manufacturer shall provide a minimum of one year warranty after delivery.	
19	Initial Service	The supplier shall provide with each equipment all the necessary filters and spare parts required for the first two services, after the equipment has been commissioned and accepted.	
20	Delivery	The BACK HOE LOADER I unit with spare parts shall be delivered to: Khandadevi Rural Municipality, Office of the Rural Executive, Makadam, Ramechhap	


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.

Estimated By:
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S.D.
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Technical Specification Scooter:

Qty: 1

S.No	CRITERIA	DEPARTMENTAL REQUIREMENT	OFFERED SPECIFICATION
1	General	Scooter of sturdy design, suitable for driving on rough road.	Make: Model:
2	Engine	Four Stroke, Petrol engine Minimum 110 to 125 CC developing Maximum net power not less than 7.0 PS at governed RPM and Maximum torque output not less than 8 N-m, for efficient running of motorcycle, Starting system with self & kick.	Make: Model:
3	Transmission	Automatic/Gear Less	
4	Brake	Rear : Drum, Front : Drum/Disk,	
5	Frame/ Suspension	Sturdy frame and suspension with telescopic Hydraulic Gas filled Hydraulic shock absorbers. Ground Clearance not less than 125 MM	
6	Essential Accessories	1. Head light, rear and turn signal lights 2. Two rear view mirrors 3. Safety lock for steering 4. Helmet	
7	Instructions	All signs and instructions in the equipment shall be in English.	
8	Manuals	One copy of the Operator's and Owner's Instructions and maintenance manual in English shall be supplied with each equipment.	
09	Tools	A set of tools as required for general maintenance shall be supplied with in a lockable tool box for each unit.	


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 प्रमुख तकनीकी अधिकारी



Technical Specifications of Motorcycle

12	Proven performance	1. The motor cycle 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 etc.	
13	Warranty & Service Facilities	Manufacturer shall provide a minimum one(1) year warranty & Five (5) times free Service after delivery.	
14	Emission Standard	The Emission Standard of the vehicle should be capable of meeting applicable "Nepal Vehicle Mass Emission Standard 2069" which must be certified by Department of Transport Management, Nepal.	
15	Delivery	The Motorcycles 5 units shall be delivered to Khandadevi Rural Municipality, Office of the Rural Executive, Makadam, Ramechhap	

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.

Prepared By:

Signature:

Name: Babu Ram Kharel

Designation: Mechanical Engineer

Office: Heavy Equipment Division, Kathmandu


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Technical Specifications of Motorcycle



Qty: 5 units

S. No	CRITERIA	DEPARTMENTAL REQUIREMENT	OFFERED SPECIFICATION
1	General	Motor cycle of sturdy design, suitable for driving on rough road.	Make: Model:
2	Engine	Four Stroke, Petrol Engine, (150±5cc) developing Maximum net power not less than 12.1 PS at governed RPM and Maximum torque output not less than 12.5 Nm, for efficient running of motorcycle, Starting system with self & kick.	Make: Model:
3.	Gauges	To include speedometer , fuel etc.. as necessary for efficient operation and maintenance	
4.	Transmission	Minimum Five speed manual gear	
5.	Brake	Rear : Mechanical Drum, Front: Hydraulic Disc	
6.	Frame Suspension & others	Sturdy frame and suspension with telescopic shock absorbers. Ground Clearance not less than 158 mm Wheel base : Not less than 1320 mm Fuel Tank Capacity : Not less than 12Lts.	
7.	Essential Accessories	1. Head light, rear and turn signal lights 2. Two rear view mirror 3. Safety lock for steering 4. Helmet and Helmet Lock	
8.	Instructions	All signs and instructions in the equipment shall be in English.	
9.	Manuals	One copy of the Operator's and Owner's Instructions and maintenance manual in English shall be supplied with each motorbikes.	
10.	Color	Standard Color	
11.	Tools	A set of tools as required for general maintenance shall be supplied with in a lockable tool box for each unit.	


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Technical Specification Scooter:

10	Proven performance	1. The Scooter 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 etc.	
11	Warranty & Service facilities	Manufacturer shall provide a minimum one (1) year warranty & Minimum Five (5) times free service after delivery.	
12	Emission Standard	The Emission Standard of the vehicle should be capable of meeting applicable "Nepal Vehicle Mass Emission Standard 2069" which must be certified by Department of Transport Management, Nepal.	
13	Delivery	The Scooter 1 unit shall be delivered to Khandadevi Rural Municipality, Rural Executive, Rasnal, Ramechhap	


Note:

The major items are indicated by bold and highlighted letters/alphabets/figures in technical specifications. Non-compliance of these major items will result in non-responsiveness of the bid offered.

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