

Technical Specification

MINI TRUCK

unit 1

S.N.	Criteria	Requirement	Offered Specification
1	General	Right Hand Drive model, Gross Vehicle Weight of the Vehicle shall not be less than 8500 kgs. Wheelbase should be mxm. 3500 mm.	Country Of Origin Make/Model
2	Engine	Diesel Engine Maximum rated power output not less than 90 kw at governed RPM with torque min. 375 Nm governed RPM , engine fully equiped with accessories for efficient full load operation of the vehicle at operating conditions, cold starting device.	Country Of Origin Make/Model
3	Emission Standard	The emission standard of the offered vehicle should be Vehicle Mass Emission Standard of Nepal which is to be certified by Department of Transport Management, Nepal.	
4	Gauges	To include water temperature , fuel, oil pressure, transmission gauge etc. as necessary for efficient operation and maintenance.	
5	Clutch	Single Plate Dry type.	
6	Transmission	Manual shift at least 5 forward and one reverse.	
7	Ground clearance	High Ground clearance preferred. Minimum 200 mm.	
8	Suspension	Semi-elliptical Leaf springs / coil springs / torsion bar / shock absorbers at front and rear.	
9	Tyres	Standard Size	
10	Steering	Power Steering	
11	Brakes	All wheel Pneumatic Brakes with parking brake.	
12	Chassis and frame	Steel, heavy duty suitable for rough road conditions.	
13	Fuel Tank Capacity	Min. 150 Litres	
14	Gradeability	Min. 25%	

15	Load Capacity	Min.3300 Kg	
16	Essential accessories	1. Head light, tail and rear light, reversing light, and turn signals. 2. Cabin lights, ash tray 3. Speedometer / Odometer. 4. One Spare wheel with tyre and tube. 5. jack and handle. 6. Seat belt for driver and co-driver .	
18	Instructions	All signs and instructions in the vehicle shall be in English.	
19	Manuals	One Copy of the Operator's and Owner's instructions and maintenance manual in English shall be supplied with the vehicle.	
20	Tools	A set of tools as required for general maintenance shall be supplied.	
21	Colour	Standard color	
22	Proven Performance	1. the vehicle offered shall be a current model under standard production by the manufacture 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.	
23	Warranty	Manufacturer shall provide a minimum of One-year warranty after acceptance.	
24	Delivery	Mini Truck shall be delivered to: Bidur Municipality, Bidur, Nuwakot	

NOTE: The major items are indicated by bold and highlighted letters/alphabets/figures in the technical Bidder's Signature..... Date.....

Technical Specifications

Paddy Iron Wheel

units

	CRITERIA	DEPARTMENTAL REQUIREMENT	OFFERED SPECIFICATION
1	Application	Soft fallow Paddy and Slight hard water ponded land	
2	Size	23 and 32 inch Diameter	
10	Color	Standard	
11	Warranty	Manufacturer shall provide a minimum of one year warranty after acceptance.	
12	Delivery	Paddy Iron Wheel unit shall be delivered to : Bidur Municipality, Nuwakot.	

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.

Technical Specifications

Anti Skid Iron Wheel

units

	CRITERIA	DEPARTMENTAL REQUIREMENT	OFFERED SPECIFICATION
1	Application	Soft sallow Paddy and Slight hard water pounded land	
2	Size	23 and 32 inch Diameter	
10	Color	Standard	
11	Warranty	Manufacturer shall provide a minimum of one year warranty after acceptance.	
12	Delivery	Anti Skid Iron Wheel unit shall be delivered to : Bidur Municipality, Nuwakot.	

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Technical Specifications

Chaff Cutter

	CRITERIA	DEPARTMENTAL REQUIREMENT	Unit	OFFERED SPECIFICATION
1	General	It is suitable for transport in hilly area Gross Weight of the Chaff Cutter shall be 60 kgs.		
2	Power	Single phase electric motor. Power Output not less than 3Hp Electric Motor with 220V.		
3	Motor Speed	Not less than 2600 RPM		
4	Rotation speed of threshing Cylinder	Not less tha 850 RPM		
5	Productivity	not less than 600 kg per hour		
6	Chassis and Frame	Mild Steel, frame structure suitable for Operation		
7	Instructions	All signs and instructions in the Machine shall be in English.		
8	Manuals	One copy of the Owner's Manual in English shall be supplied with vehicle.		
9	Tools	A set of tools, with a tool bag, as required for general maintenance shall be supplied with vehicle.		
10	Color	Standard		
11	Warranty	Manufacturer shall provide a minimum of one year warranty after acceptance		
12	Delivery	Chaff Cutter unit shall be delivered to : Bidur Municipality, Nuwakot.		

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Technical Specifications

Mini Tiller

	CRITERIA	DEPARTMENTAL REQUIREMENT	Units OFFERED SPECIFICATION
1	General	It is suitable at an altitude up to 3000 meter and in ambient temperature between -15°C to 50°C. Gross Weight of the Mini Tiller shall not be more than 95kgs.	Make: Model: Country of Origin:
2	Engine	Air cooled 4 Stroke diesel Engine, developing rated Power Output not less than 5.5 hp at governed RPM	Make: Model:
3	Transmission	Manual shift, at least Two Forward one reverse.	
4	Start Method	Electric start and Manual	
5	Productivity	Not less than 600 Square Meter per hour	
6	Tilling With	Minimum 725 mm.	
7	Tilling Depth	Minimum 100 mm.	
8	Blade	Minimum 22 pcs	
9	Fuel tank capacity	Not less than 2.5 lts	
10	Tyres	Standard Size	
11	Certificate	ISO	

12	Chassis and Frame	Steel, frame structure suitable for Operation	
13	Instructions	All signs and instructions in the vehicle shall be in English.	
14	Manuals	One copy of the Owner's Manual in English shall be supplied with vehicle.	
15	Tools	A set of tools, with a tool bag, as required for general maintenance shall be supplied with vehicle.	
16	Color	Standard	
17	Warranty	Manufacturer shall provide a minimum of one year warranty after acceptance.	
18	Delivery	Mini Tiller unit shall be delivered to : <i>Bidur Municipality, Nuwakot.</i>	

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Technical Specifications

Corn Sheller

units

	CRITERIA	DEPARTMENTAL REQUIREMENT	OFFERED SPECIFICATION
1	General	Gross Weight of Corn sheller shall be 2-5 kgs.	
2	Power	Hand operated	
10	Color	Standard	
11	Warranty	Manufacturer shall provide a minimum of one year warranty after acceptance.	
12	Delivery	Corn sheller unit shall be delivered to : Bidur Municipality, Nuwakot.	

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Technical Specifications

Electric and Manual Sprayer

	CRITERIA	DEPARTMENTAL REQUIREMENT	unit OFFERED SPECIFICATION
1	General	It is suitable to carry the Electric and Manual Sprayer gross weight shall not be more than 25 kgs .	
2	Tank Capacity	Not less than 15 Ltr	
3	Tank Material	Polypropylene(PP)	
4	Battery	12V minimum 8AH.	
5	Motor Speed	Not less than 3200 RPM	
6	Working Pressure	3.5 kgf /cm	
7	Spray Flow	2000 ml/min	
8	Instructions	All signs and instructions in the Machine shall be in English.	
9	Manuals	One copy of the Owner's Manual in English shall be supplied with vehicle.	
10	Charger Input	220-240VAC	
11	Time of Full Charge	Maximum 6 hours	
12	Warranty	Manufacturer shall provide a minimum of one year warranty after acceptance.	
13	Delivery	Electric and manual sprayer units shall be delivered to : Bidur Municipality, Nuwakot.	

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Technical Specifications

Mini Tiller

Unit

	CRITERIA	DEPARTMENTAL REQUIREMENT	OFFERED SPECIFICATION
1	General	It is suitable at an altitude up to 3000 meter and in ambient temperature between -15°C to 50°C. Gross Vehicle Weight of the Mini Tiller shall not be less than 75 kgs.	Make: Model: Country of Origin:
2	Engine	Air cooled 4 Stroke Petrol Engine, developing rated Power Output not less than 6.5 hp at governed RPM	Make: Model:
3	Transmission	Manual shift, at least Two Forward and one reverse,	
4	Start Method	Manual	
5	Productivity	Not less than 780 Square Meter per hour	
6	Tilling With	Minimum 1000 mm.	
7	Tilling Depth	Minimum 140 mm.	
8	Blade	Minimum 30 pcs	
9	Fuel tank capacity	Not less than 3 lts	
10	Tyres	Standard Size	
11	Certificate	ISO	

12	Chassis and Frame	Steel, frame structure suitable for Operation	
13	Instructions	All signs and instructions in the vehicle shall be in English.	
14	Manuals	One copy of the Owner's Manual in English shall be supplied with vehicle.	
15	Tools	A set of tools, with a tool bag, as required for general maintenance shall be supplied with vehicle.	
16	Color	Standard	
17	Warranty	Manufacturer shall provide a minimum of one year warranty after acceptance.	
18	Delivery	Mini Tiller unit shall be delivered to : <i>Bidur Municipality, Nuwakot.</i>	

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.