


Automatic fruits and vegetable washing, cleaning, **cooling & drying** machine – 1 unit

Technical Specifications

S.N.	CRITERIA	TECHNICAL REQUIREMENTS	OFFERED SPECIFICATION
WASHER			
1.	General	Continuous type, Bubble Washing technology, Suitable for any vegetables and fruits. Latest manufactured or 2021 onwards.	Type: Model: Mfg Year: Country of origin:
2.	Capacity	Washing capacity of machine shouldn't be less than 300 Kg/hr.	Capacity
3.	Power rating and voltage	Maximum rated power of the machine shouldn't be less than 2000 W and voltage shouldn't be less than 400 V with not less than 50 Hz frequency.	Power: Voltage:
4.	Automation Grade	Automatic or semi-automatic.	
5.	Frame materials	Should be made from rust free materials and mostly preferred stainless steel.	
6.	Extra-facility	Should must have valve and exit port for the cleaning of machine.	
CONVEYOR BLANCER			
7.	Type	Gravity Conveyor	
8.	Design Type and Materials	Horizontal type with materials made from stainless steel.	
9.	Belt Materials	PP Belt or SS Belt	
10.	Automation Grade	Automatic or Semi-automatic	
11.	Machine type	Not less than 2 stage.	
12.	Output Capacity	Not less than 300 kg/hr.	
13.	Machine Power	Not less than 40 Kw.	
HUMIDIFIER/DEHUMIDIFIER			
14.	Power Supply	Supply of power shouldn't be less than 5 Kw.	
15.	Power input	Not less than 220 V single phase with the 50/60 Hz frequency.	
16.	Heating Capacity	Not less than 10.6 Kw.	
17.	Cooling Capacity	Not less than 6 Kw.	
18.	Dehumidifying Capacity	Dehumidifying Capacity shouldn't be less than 10 L/hr.	
19.	Hot air flow	Shouldn't be less than 10000 m³/hr.	
20.	Drying capacity	Not less than 300 Kg/ batch.	
29.	Warranty	Manufacturer shall provide a minimum of 2 year of warranty.	
30.	Delivery	The Automatic vegetable and fruits washing, cleaning, cooling and drying, 1 unit shall be delivered to: Hupsekot Rural Municipality Office of Rural Municipality, Hupsekot.	

Note: The major items are indicated by Bold and highlighted letters/alphabets/figures in the technical specifications. Non-Compliances of these major items will result in no responsiveness of the bid.

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Mechanical "A"


दुकानध घिमिरे
पसल पञ्चायती अधिकारी



Tractor Operated Seed Drill Machine-3 unit

Technical Specification

S. NO.	CRITERIA	TECHNICAL REQUIREMENTS	OFFERED SPECIFICATION
1.	General	Sturdy and robust design. Net Weight of seed driller shouldn't be less than 200 Kgs. Latest make 2021 or onward.	Make: Model: Mfg. Year:
2.	Power Source & Capacity	Tractor Driven and the power capacity not less than 10 Hp.	Power:
3.	No. of Rows/Tyne	Not less than 5 Rows/Tyne.	No. of rows:
4.	Row to Row Spacing	A minimum of 4 Inch standard spacing and should have the facility of adjustability.	
5.	Hopper Capacity	Not less than 20 kg and facility for fertilizer storage.	Capacity:
6.	Length of main frame	Not less than 45 inch.	
7.	Extra Facility	Should have an extra facility of leveling blade . And should be suitable for sowing wheat, ground nut, cotton seed, garlic, maize, cumin seed, sunflower seed, All type of Grains cereals and pulses.	
8.	Instructions	All signs and instructions in the seed driller shall be in either English or Nepali.	
9.	User Manuals	A copy of the Operator's and Owner's instructions and maintenance manual in English shall be supplied with the Machine.	
10.	Tools	A set of tools as required for general maintenance shall be supplied.	
11.	Warranty	Manufacturer shall provide a minimum of 1 year warranty.	
12.	Delivery	The Seed Driller Machine shall be delivered to: Hupsekot Rural Municipality Office of Rural Municipality, Hupsekot.	

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टंकनाथ घिमिरे
प्रमुख प्रशासकीय अधिकारी




Mini Tiller – 15 unit

Technical Specification

S. NO.	CRITERIA	DEPARTMENTAL REQUIREMENTS	OFFERED SPECIFICATION
1.	General	Sturdy and robust design, suitable for all geographic. Net Weight of tiller shouldn't be less than 80 Kgs. Latest make 2021 or onward.	Make: Model: Mfg. Year:
2.	Engine	Diesel Engine, developing Maximum rated power output 7HP or more, Engine displacement not less than 250 cc, speed not less than 3000 rpm, engine fully equipped with accessories for efficient full load operation of the vehicle at operating conditions.	Power rating:
3.	Tilling depth and width	Tilling depth not less than 6 cm and tilling width not less than 60 cm.	
4.	Fuel tank & oil capacity	Fuel tank capacity not less than 2 Liters and oil capacity not less than 0.4 Liters.	
5.	Fuel Consumption	Fuel consumption should be less than 1 ltr/hr.	
6.	Transmission	Manual shift with not less than 2 forward gear and reverse one gear.	
7.	Starting	Recoil/Electric Start	
	Instructions	All signs and instructions in the tiller shall be in either English or Nepali.	
8.	User Manuals	A copy of the Operator's and Owner's instructions and maintenance manual in English shall be supplied with the vehicle.	
9.	Tools	A set of tools as required for general maintenance shall be supplied.	
10.	Warranty	Manufacturer shall provide a minimum of One year warranty.	
11.	Delivery	The Mini Tiller, shall be delivered to: Office of Rural Municipality, Hupsekot Rural Municipality	

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टंकनाथ घिमिरे
सहकारीय अधिकृत



Technical Specification

S. NO.	CRITERIA	DEPARTMENTAL REQUIREMENTS	OFFERED SPECIFICATION
1.	General	Cold Room with sturdy design having the capacity not less than 6 Ton	
2.	Application	Applicable to the Storage of different vegetables such as potato, onion, green vegetables and fruits.	
3.	Operational Requirements	<p>Prefabricated, modular construction complete with floor and ceilings panels, mounted on a flat, solid concrete base. This cold store must provide 24 hour all season reliability under all conditions for stored materials</p> <p>Temperature operational range: +15°C to -10 °C adjustable during (i)+44 °C continuous ambient (ii) 32 °C continuous ambient (iii) 45/0 °C day/night cycling temperature</p> <p>The unit shall be capable of operating continuously in ambient temperature of +5 °C to +45 °C</p> <p>And relative humidity of 15-90%.</p>	
4.	Surface Material	S.S Sheet (Grade 304/316 and Surface finish 2B and Mate) or GI-Pre painted Sheet on both inside and outside	
5.	System Configuration	<p>The system should consists of:</p> <ol style="list-style-type: none"> 1. Cold room with CFC free PUF installation 2. Dual Refrigeration System 	
6.	Holdover time	Minimum 8 hours of holdover time below 10 °C of ambient temperature 45 °C	
7.	Room Size	Not less than 2 meters in height, length and width as per required for the stated capacity keeping the internal volume not less than 8 cu.mtr	
8.	Floor	100 mm thick PUF Panel with 12 mm thick plywood finished with 4 mm thick Aluminum checker sheet on top.	
9.	PUF Panels	Average PUF density not less than 40 Kg/cu.mtr CFC-Free Polyurethane foam	

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आवधिकृत

		having minimum thickness of 100 mm. The insulation must be suitable for maintaining 8 hrs. hold over time at 45 °C ambient temperature.	
10.	Door	Sliding type with both sides SS or GIPP Thickness not less than 80 mm Door dimensions will be approximately 0.9m to 1mS (W) x1.8m to 2m (H)	
11.	Compressor	Hermetic and reciprocating type	
12.	Pressure Ventilator	Tri-action pressure ventilator with heater to balance pressure and vacuum inside the room	
13.	View Port	12" X 12" view port with three layer argon filled toughen glass	
14.	Strip Curtain	Semitransparent PVC strip Curtain for negative temperature application to prevent heat loss	
15.	Other Accessories	Inside safety alarm High low temperature alarm Door accessories	
16.	User Training	Must provide user training (including how to use and maintain the equipment).	
17.	Warranty	Manufacturer shall provide a comprehensive minimum of Two year warranty after acceptance.	
18.	Delivery	The pre-fab Cold Store Freezer, shall be delivered to: Office of Rural Municipality, Hupsekot Rural Municipality The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.	
19.	Documentation	1. User (Operating) manual in English 2. Service (Technical / Maintenance) manual in English 3. List of important spare parts and accessories with their part numbers and costing	

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