

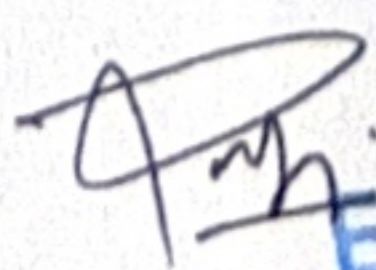
Technical Specification For Farm Machinery and Equipment

S.N.	Name of Equipments	Detailed Specifications	Remarks
१	Mini Tiller- 3.2 kW to 3.9 kW (Petrol Engine)	Rated Power: 3.2 kW to 3.9 kW Rated Speed: 3200 rpm or more Engine type: Air cooled, Single cylinder, 4-Stroke engine Fuel Used: Petrol Starting System: Manual Recoil Start Fuel Tank Capacity: 2.5 L or more Transmission Type: Full Gear Transmission Number of Speed: 2 Fwd., 1 Rev. Cultivator Width: 850 mm or more Cultivator Depth: 80 mm or more Number of blades: 24 tynes or more Warranty: Minimum one year service warranty is required	
२	Mini Tiller- 3.2 kW to 3.9 kW (Diesel Engine)	Rated Power: 3.2 kW to 3.9 kW Rated Speed: 3600 rpm or more Engine type: Air cooled, Single cylinder, 4-Stroke engine Fuel Used: Diesel Starting System: Manual Recoil Start Fuel Tank Capacity: 2.5 L or more Bore×Stroke: At least of 73×59 mm Transmission Type: Full Gear Transmission Number of Speed: 2 Fwd., 1 Rev. Cultivator Width: 950 mm or more Cultivator Depth: 100 mm or more Number of blades: 24 tynes or more Warranty: Minimum one year service warranty is required	
३	Mini Tiller- 4 kW to 5 kW (Petrol Engine)	Rated Power: 4 kW to 5 kW Rated Speed: 3200 rpm or more Engine type: Air cooled, Single cylinder, 4-Stroke engine Fuel Used: Diesel Starting System: Manual Recoil Start Fuel Tank Capacity: 3.0 L or more Transmission Type: Full Gear Transmission Number of Speed: 2 Fwd., 1 Rev. Cultivator Width: 900 mm or more Cultivator Depth: 100 mm or more Number of blades: 32 tynes or more Warranty: Minimum one year service warranty is required	
४	Mini Tiller- 4 kW to 5 kW (Diesel Engine)	Rated Power: 4 kW to 5 kW Rated Speed: 3600 rpm or more Engine type: Air cooled, Single cylinder, 4-Stroke engine Fuel Used: Diesel Starting System: Manual Recoil Start Fuel Tank Capacity: 3.5 L or more Bore×Stroke: At least of 78×62 mm Transmission Type: Full Gear Transmission Number of Speed: 2 Fwd., 1 Rev. Cultivator Width: 1050 mm or more Cultivator Depth: 100 mm or more Number of blades: 32 tynes or more Warranty: Minimum one year service warranty is required	




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4	Power Weeder- 1.8 kW to 3 kW	<p>Rated Power: 1.8 kW to 3 kW Rated Speed: 3000 to 3600 rpm Engine type: Air cooled, Single cylinder, 4-Stroke engine Structure Type: Hand push type Fuel Used: Diesel or Petrol Starting System: Manual Recoil Start Fuel Tank Capacity: 1 L or more Cultivator Width: 400 mm to 800 mm (adjustable) Cultivator Depth: 40 mm to 100 mm (adjustable) Number of blades: 12 tynes or more Warranty: <i>Minimum one year service warranty is required</i></p>	
5	Electric Rice Combine Mill	<p>Power Source: Single phase electric motor Matched Power: 2.0 kW to 2.5 kW Rotating Speed Motor: 2800 rpm or higher Rice Mill: Spindle Speed: 1200 rpm or higher Noise: <85 dB(A) Capacity: 150 Kg/h or higher Crusher (or Flour Mill): Spindle Speed: 4850 rpm or higher Noise: <85 dB(A) Capacity: 120 Kg/h or higher</p>	
6	Brush Cutter	<p>Mount Type: Backpack Engine Type: Single cylinder, 4-stroke, air-cooled Rated Power: 1.5 kW to 2 kW Fuel Used: Petrol Displacement: 45 to 60 cc Fuel Tank Capacity: 500 ml or more Blade Diameter/Size: 250 mm or more Cutting Speed: 6000 rpm or more</p>	
7	Walk Behind Self-Propelled Reaper	<p>Machine Type: Walk Behind Self-Propelled Reaper Engine Power: 3.5 kW to 7.0 kW Engine type: Air cooled, Single cylinder, 4-Stroke engine Engine Speed: More than or equal to 2600 RPM Fuel Used: Diesel/Petrol Starting System: Manual Recoil or Electric Start Fuel Tank Capacity: At least 3.5 L Cutting Width: 1000 to 1500 mm Cutting Height: At least 30 mm (adjustable) Blade Type: Reciprocating cutter bar Placement: Side windrow formation Suitable Crops: Paddy, wheat, barley, millet etc. Productivity: 2000 to 5000 sq. m/hour Weight: Not more than 220 kg Warranty: <i>Minimum one year brand/service warranty is required</i></p>	
8	Multicrop Mini Thresher (Petrol Engine)	<p>Machine Type: Petrol Multi-Crop Thresher Engine Power: 4.5 kW to 6.7 kW Engine type: Air cooled, Single cylinder, 4-Stroke engine Fuel Used: Petrol Starting System: Manual Recoil Start Fuel Tank Capacity: 3 to 5 L Threshing Drum: Adjustable speed, cylinder type Drum RPM: ~600 to 1,000 rpm Feeding Type: Manual feed hopper Threshing Cage: Removable/Changeable perforated concaves Crop Types: Paddy, wheat, maize, barley, millet, legumes Collection Method: Grain outlet + Chaff outlet Capacity: 200 to 500 kg/hour Warranty: <i>Minimum one year brand/service warranty is required</i></p>	

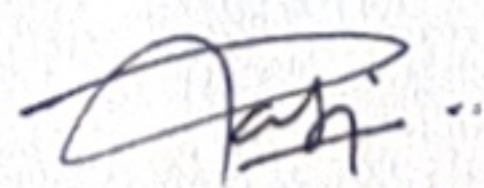

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१०	Electric Multicrop Thresher	<p>Power Source: Single Phase Electric Motor Frame and Housing: Heavy gauge steel for durability and field use Motor Power: 1.5 kW to 3 kW Voltage: 200 to 220 V (Single Phase), 50 Hz Drum/Rotor Speed: 750–900 RPM. Production capacity: Approximately 400–800 kg/hr. Portability: Often with wheels or Stand for farm use. Suitable crops: Paddy (rice), Wheat, Millet, Sorghum, Soybeans, Pulses, Maize (with appropriate setup) etc. Warranty: <i>Minimum one year brand/service warranty is required</i></p>	
११	Solar Dryer (Drying area - 0.3 sqm)	<p>Cover Material: UV Stabilized Polycarbonate Type: Stationary box type Drying Type: Direct Heating Tray Mesh: Stainless Steel Drying Area: At least 0.30 Sq. m Operating temperature: 0°C to 60°C Capacity: 3 to 8 kg per batch</p>	
१२	Solar Dryer (Drying area - 1.36 sqm)	<p>Cover Material: UV Stabilized Polycarbonate Type: Stationary flat plate type Drying Type: Direct Heating Tray Mesh: Stainless Steel Drying Area: At least 1.36 Sq. m Operating temperature: 0°C to 60°C Capacity: 8 to 15 kg per batch</p>	
१३	Tunnel Type Solar Dryer	<p>Cover Material: UV Stabilized Polycarbonate Type: Solar tunnel / Polyhouse / Hybrid solar dryer Frame Material: MS (mild steel) / GI pipe (powder coated or galvanized) Foundation: Concrete or Ground anchoring system Drying Method: Indirect + forced convection (fan-assisted airflow) Tray Mesh: Food grade stainless Steel Drying Area: At least 300 Sq. ft Operating temperature: 50°C to 60°C (Solar) Capacity: 400 to 500 kg per batch Solar panel and DC battery should be provided for fan & control system.</p>	
१४	Manual Apple Slice Cutting Machine (Apple Cutter Peeler)	<p>Material: Stainless Steel Operation: Manual Capacity: At least 12 to 15 slice per minute</p>	
१५	Apple Chips Slice Cutting Machine	<p>Material: Stainless Steel Power: 1.5 kW to 2 kW Voltage: 220 V, Single Phase Production Efficiency: 100 kg/h or more Warranty: <i>Minimum one year brand/service warranty is required</i></p>	
१६	Automatic Apple Chips Slice Cutting Machine	<p>Material: Stainless Steel Power: 1.5 kW to 3 kW Voltage: 200 to 240 V (Single Phase) / 380 to 420 V (Three Phase) Control System: PLC control Automation Grade: Fully automatic Slice Thickness: Adjustable Production Efficiency: 600 kg/h to 1000 kg/h Weight: 200 to 300 kg Warranty: <i>Minimum one year brand/service warranty is required</i></p>	
१७	Grinding Mill- 2 kW to 3 kW	<p>Motor Power: 2 kW to 3 kW Rated Voltage: 200 to 240 V (Single phase) Rated Speed: 1400 rpm or more Rotor (or Chaki) Size: 14 inch or more Type: Horizontal Capacity: 50 to 100 kg/hrs. Application: For grinding all type of spices like red chilli, cumin, coriander and all types flour etc.</p>	


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१८	Grinding Mill- 3 kW to 4 kW	<p>Motor Power: 3 kW to 4 kW Rated Voltage: 200 to 240 V (Single phase) Rated Speed: 1400 rpm or more Rotor (or Chaki) Size: 16 inch or more Type: Horizontal Capacity: 100 to 150 kg/hrs. Application: For grinding all type of spices like red chilli, cumin, coriander and all types flour etc.</p>
१९	Electric Oil Extraction Machine	<p>Material: 304 Stainless steel Type: Screw oil expeller (cold/hot press) Power: 2.0 kW to 5.0 kW Voltage: 200 V to 220 V (Single phase) Automation Grade: Semi-automatic Capacity: 15 to 40 kg/hr. Production Efficiency: More than 90% Warranty: Minimum one year brand/service warranty is required</p>
२०	Diesel Engine Driven Oil Extraction Machine	<p>Material: Mild steel or Stainless steel Type: Screw oil expeller (cold/hot press) Power Source: Air cooled, Single cylinder, 4-Stroke diesel engine Rated Power: 3.0 kW to 8.0 kW Engine Speed: More than or equal to 1800 RPM Starting System: Recoil or electric start Fuel Tank Capacity: At least 3.5 L Transmission: Belt & pulley system Automation Grade: Semi-automatic Capacity: 10 to 40 kg/hr. Production Efficiency: More than 85% Warranty: Minimum one year brand/service warranty is required</p>
२१	Apricot Kernel Shelling (or Cracking) Machine	<p>Machine Type: Manual (hand operated sheller) Mount Type: Bench mounted or Floor stand Frame Material: Mild steel (MS) or Cast iron Cracking Mechanism: Compression jaw/Screw press Feeding Method: Manual feeding Shelling Efficiency: 70 to 95% depending on seed uniformity Application: For shelling Apricot kernel, almonds, Walnuts and similar type of nuts. Productivity: 8 to 20 kg/hour (depends on operator skill) Weight: 10 to 40 kg</p>
२२	Apple Juice Extractor Machine	<p>Material: Stainless steel (SS 304) Type: Screw press with crusher Power: 2.0 kW to 6.0 kW Voltage: 200 to 240 V (Single Phase) / 380 to 420 V (Three Phase) Automation Grade: Semi-automatic / Fully-automatic Productivity: 800 to 1500 kg/hour Yield Efficiency: 70 to 85 % Warranty: Minimum one year brand/service warranty is required</p>
२३	Generator- 25 KVA	<p>Engine Type: 4-stroke diesel engine, water-cooled Speed: At least 1500 rpm Governing: Electronic / Mechanical governor Starting System: Electric start with battery (12V/24V) Cooling System: Radiator cooled with engine-driven fan Fuel Consumption: Not exceeding 6 L/hr at full load Rated Capacity (Prime): 25 kVA / 20 kW Rated Voltage: 400/230 V; 50 Hz Noise Level: ≤ 75 dB(A) at 1 meter distance Warranty: Minimum one year brand/service warranty is required</p>

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