

Power Tiller

S.N.	Item/particulars	Specification required	Specification Offered
1	Name	N/A	
2	Model	N/A	
3	Type	Single axle, dual-purpose for both traction and drive.	
4	Engine Power	20HP with minimum 14.7 KW.	
5	Engine	4-stroke diesel engine, single cylinder	
6	Rated engine speed	2200 rpm.	
7	Cooling system	Water cooling/Radiator cooling system.	
8	Displacement	1.093 L/11.194L	
9	Bore x Stroke	110x115	
10	Starting System	Crank rotating/Manual	
11	Gear shifting & gear box	Straight tooth cylinder gear and sliding gear in constant mesh, Combination type 6F+2R	
12	Lubricant capacity	3 liter and above.	
13	Fuel Tank Capacity	Minimum 12 liters.	
14	Tilling Depth	More than 125mm.	
15	Tilling Width	900-1000mm	
16	Wheel track	Adjustable among 580mm to 800mm.	
17	Specific Fuel consumption	Less or equal to 238g/KW.H	
18	Minimum Ground clearance	Minimum 185mm	
19	Enclosed blades	18-28pcs.	
20	Minimum Turning Radius	900mm with rotavator removed.	
21	Clutch	Double friction flat/disc constant contact or combination	
22	Air cleaner type	Oil bath type.	
23	Chassis	heavy duty	
24	Tools set	Needed.	
25	Proven Performance	1) The Power tiller offered must be current model manufacture for at least 1 year.	

26	Warranty	At least 1 year warranty after acceptance.	
27	Catalogue/manual	Operation manual should submit with details specification provided.	

Power Tiller			
S.N.	Item/particulars	Specification required	Specification Offered
1	Name	N/A	
2	Model	N/A	
3	Engine Power	18HP.	
4	Engine	4-stroke diesel engine, single cylinder	
5	Rated engine speed	At least 2200 rpm.	
6	Cooling system	Water cooling/Radiator cooling system.	
7	Displacement	1.093 L / 11.194L	
8	Bore x Stroke	105x115	
9	Starting System	Crank rotating/Manual	
10	Gear shifting	Minimum 6F+2R	
11	Lubricant capacity	3 liter and above.	
12	Fuel Tank Capacity	Minimum 11 liters.	
13	Tilling Depth	More than 125mm.	
14	Tilling Width	900-1000mm	
15	Specific Fuel consumption	Less or equal to 258g/KW.H	
16	Minimum Ground clearance	Minimum 185mm	
17	Enclosed blades	18-28pcs.	
18	Minimum Turning Radius	900mm with rotavator removed.	
19	Clutch:	Double friction flat of constant combination	
	Air cleaner type	Oil bath type.	
20	Chassis	heavy duty	
21	Tools set	Needed.	
22	Color	Standard.	

23	Proven Performance	1) The Power tiller offered must be current model manufacture for at least 1 year.	
24	Warranty	At least 1 year warranty after acceptance.	
25	Catalogue/manual	Operation manual should submit with details specification provided.	

Jab Planter

S.N.	Item/particulars	Specification required	Specification offered
1	Name/Brand	N/A	
2	Model	N/A	
3	Type	Double type.	
4	Operation	Manually.	
5	Model	Mode: Seed & Fertilizer	
6	Material	PP	
7	Seeding No	1-3 seeds adjustable.	
8	Dimension(mm):	200x95x800	
9	Gross wt.	2.5kg	
10	efficiency	7 Kathal/day	
18	Application	Maize, bean, Mungbam etc.	
20	Catalogue/ manual	Operation manual should submit with details specification provided.	

Electric Corn sheller

S.N.	Item/particulars	Specification required	Specification offered
1	Name/Brand	N/A	
2	Model	N/A	
3	Type	Single feeding.	
4	Operation	Manually.	
5	Rated Power	0.48kw	
6	Rated Voltages	220v	

7	Standard motor speed		At least 1600r/min.	
8	Dimension(mm):			
9	Gross wt.		Standard size	
10	Productivity		Minimum 18 kg	
18	Application		>=750kg/hr.	
20	Rate of shelling corn		Maize	
			More than 98%	

Mini Tiller

S.N.	Item/particulars	Specification required	Specification Offered
1	Name	N/A	
2	Model	N/A	
3	Engine Power	Power not less than 7HP	
4	Engine	4-stroke diesel engine, single cylinder, vertical and direct injection.	
5	Rated engine speed	Minimum 3600 rpm.	
6	Cooling system	Air cooling	
7	Displacement	At least 296 ML or 0.296litres	
8	Bore x Stroke	78x62	
9	Starting System	Recoil starter/Manual	
10	Gear shifting	Minimum 2F+1R, Combination of Constant & Sliding mesh gears	
11	Lubricant capacity	Minimum 1 liter with pressure splash mode.	
12	Fuel Tank Capacity	Minimum 3 liters.	
13	Tilling Depth	Minimum 100mm.	
14	Tilling Width	Minimum 1000mm	
15	Specific Fuel consumption	Less or equal to 285g/KW.H	
16	Minimum Ground clearance	Minimum 185mm	
17	Enclosed blades	24-32 pcs dryland/wet land blades.	
18	Clutch:	Wet Friction Multi Discs	
19	Air cleaner type	Oil bath type.	
20	Chassis	heavy duty	
21	Tools set	Needed.	
22	Proven Performance	1) The Mini tiller offered must be current model manufacture for at least 1 year.	
23	Warranty	At least 1 year warranty after acceptance.	
24	Catalogue/manual	Operation manual should submit.	

Mini Tiller		
S.N.	Item/particulars	Specification required
1	Name	N/A
2	Model	N/A
3	Engine Power	Power not less than 9HP
4	Engine	4-stroke diesel engine, single cylinder, vertical and direct injection.
5	Rated engine speed	Minimum 3600 rpm.
6	Cooling system	Air cooling
7	Starting System	Recoil starter/Manual
8	Gear shifting	Minimum 2F+1R, Combination of Constant & Sliding mesh gears
9	Lubricant capacity	Minimum 1 liter with pressure splash mode.
10	Fuel Tank Capacity	Minimum 3 liters.
11	Tilling Depth	Minimum 150mm.
12	Tilling Width	Minimum 1350 mm
13	Specific Fuel consumption	Less or equal to 285g/KW.H
14	Minimum Ground clearance	Minimum 185mm
15	Enclosed blades	24-32 pcs dryland/wet land blades.
16	Clutch:	Wet Friction Multi Discs
17	Air cleaner type	Oil bath type.
18	Chassis	heavy duty
21	Tools set	Needed.
22	Proven Performance	1) The Mini tiller offered must be current model manufacture for at least 1 year.
23	Warranty	At least 1 year warranty after acceptance.
24	Catalogue/manual	Operation manual should submit.

Technical Specification

S.N.	Item/particulars	Specification required
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		N/A Material: Tank-HDPE Pump: Poly Propylene Nozzle: Plastic or metal No. of nozzle: 3 or more Nozzle type: Hollow cone + Flood jet + Flat fan Battery: DC 12 volt, 8Ah. No. of piston in pump cylinder: 1 (for manual operation) Pressure: 40-60psi Volume: 16 liters or above Length of lance: 50-100 meters.	
	Battery operated-cum -manual backpack sprayer		

S.N.	Item/particulars	Specification required	Specification Offered
1.	Digital weight Machine	Capacity: Weight Capacity 300kg x 10g Accuracy, Chargeable Digital Weighing Machine/Electronic Weighing Scale with Front Back Double Red Display mini. Platform Size: -600*600mm, Mild-	

		steel/SS platform, Display: - LCD, Accuracy: - $\pm$ 10g, a built-in battery for up to 2 days of power backup,	
		Capacity: Weight Capacity 200kg x 10g Accuracy, Chargeable Digital Weighing Machine/Electronic Weighing Scale with Front Back Double Red Display, mini. Platform Size: -500*500mm, Mild-steel/SS platform, Display: - LCD, Accuracy: - $\pm$ 10g, a built-in battery for up to 2 days of power backup,	
2.	Digital weight Machine	Capacity: Weight Capacity 100kg x 10g Accuracy, Chargeable Digital Weighing Machine/Electronic Weighing Scale with Front Back Double Red Display, mini. Platform Size: -400*400mm, Mild-steel/SS platform, Display: - LCD, Accuracy: - $\pm$ 10g, a built-in battery for up to 2 days of power backup,	
3.	Digital weight Machine	Capacity: Weight Capacity 50kg x 10g Accuracy, Chargeable Digital Weighing Machine/Electronic Weighing Scale with Front Back Double Red Display, mini. Platform Size: -400*400mm, Mild-steel/SS platform, Display: - LCD, Accuracy: - $\pm$ 10g, a built-in battery for up to 2 days of power backup,	
4.	Digital weight Machine		

1	Name/Brand	N/A		
2	Model	N/A		
3	Type	Zero-Till multi-crop seed drill (Rice, wheat, lentil, Maize, etc.)		
4	Compatible with tractor power	35 hp or above Tractor	Tractor PTO 540 rpm.	
5	No. of furrow openers	>=11	9/11	
6	Row to Row spacing	adjustable		
7	Seed metering box 1	Inclined rotary plate type		
8	Seed metering box 2	Fluted roller /rotor type		
9	Fertilizer metering box 1	fluted roller / vertical rotor type/sliding orifice type		
		or relevant		
10	Seed hopper capacity	>= 40 kg		
11	Fertilizer hopper capacity	>=50 kg		
12	Hitching	3-point linkage		
13	Drive	driving wheel is at front and in centre of planter with lugs on conference		
14	Depth control wheel	2 no of wheel and adjustable		
15	Type of furrow opener	Inverted "T" (zero-till tines)	Transmission by: Chain, Sprocket, and bevel gear.	
16	Suitability for seed sowing	Wheat, rice, maize.	Mungbeans etc.	
17	Tools set	Needed		
18	Training	provided to operator(office)		
19	Demonstration	In the field as directed by the office		
20	Warranty	1 year		
21	Catalogue/manual	operation manual should be submitted		
	Certification			

S.N.	Name of machine	Required specification	Offered specification	Remarks
1	Electric 2HP motor pump set: for surface water.	Power source: 2 hp, electric, single phase, 50mfd, 220-2240v, air/ water cooled, Type: Mon block type, Motor speed: Minimum 2880 rpm, Body materials: Cast iron with bronze impeller, Frequency: 50-60HZ, Type of Pump: Centrifugal pump, Size of pump: 62x50 inches, Head ranges: At least 9-24 meter., Discharge per hour: 500-100litres/min		

S.N.	Name of machine	Required specification	Offered specification	
1	Electric motor pump set: for surface water	1hp, electric, single phase, 50mfd, 220-2240v, max 5-6.20amp, air/ water cooled, Monoblock type, Motor Speed: Minimum 2880 rpm, Centrifugal pump type, Suction X Discharge: 1x1 inches, Head Range: at least 6-45meter. Discharge: 131-92litres/min to 2720-910 liters/min		

S.N.	Name of machine	Required specification	Offered specification	Remarks
1	Pump set	Name: N/A, Model:N/A, Power source: 5 hp (3.7 kw) , Engine: 4 stoke, vertical, single cylinder, diesel engine, water cooled, hand start, Engine rpm: Minimum 1500-2600 rpm , Bore x stroke: 85x80mm, Type of Pump: Centrifugal pump, Size of pump 3x3		

			inches, Impeller size: Min. 221mm, Head pressure: 47 to 165 psi, Discharge head with discharge/second: 22-10litre/second, Suction head: 5/7 meter to 10 meter: Head ranges: 12-17.6meter, Proven Performance 1)The Pump set offered must be current model manufacture for at least 1 years, Warranty At least 1 year warranty after acceptance, Catalogue/manual, Operation manual should submit, Bend: 3 inches, Nozzle/Nipple: 3 inches		
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Name of machine		Required specification	Offered specification	Remarks
S.N.		N/A		
1	Pumpset	Name: N/A, Model: N/A Power source : 3-4 hp , Engine: 4 stoke, vertical/ horizontal, single cylinder, compression ignition diesel engine, water cooled, Engine rpm : 2600rpm , Bore x stroke: 80x85mm, Type of Pump: Centrifugal pump, Impeller diameter: 140mm, Size of pump: 3x3 inches, Head pressure: 47 to 165 psi, Head:9.5-18Discharge/sec : 13 -7 litre/second, Proven Performance:1)The Pump set offered must be current model manufacture for at least 1 years, Warranty: At least 1 year warranty after acceptance, Catalogue/manual: Operation manual should submit.Nipple:3inchesBend: 3 inches		

1	Suction Pipe	Name: capacity: 4 inches, unit: per meter	N/A, Model:N/A		
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S.N.	Name of machine	Required specification	Model:N/A	Offered specification	Remarks
1	Delivery Pipe	Name: capacity: 4 inches, unit: per kg	N/A,		

S.N.	Name of machine	Required specification	Model:N/A	Offered specification	Remarks
1	Plastic Hazari	Name: capacity: 10 liter	N/A,		

S.N.	Name of machine	Required specification	Offered specification	Remarks
1	Potatoes digger	Name: N/A, Type : Manual operation, 2 rows per time, row to row: 65 cm and depth 45 cm adjustable	Model:N/A	