

Technical Specification of paddy thresher

S.N.	Name of Implements With Description	Technical specification	Specification of proposed item
	Paddy Thresher		
1	make, model, brand	any	
2	General	It is used for threshing of paddy, maize, wheat, sorghum, barley. Provided at least 3 types of grain sieve.	
3	Type	4WD driven	
4	Power requirement(hp/kW)	above 40 HP, tractor pto	
5	Working efficiency	>-1200kg/hr	
6	Threshing efficiency	>-97%	
7	Overall grain loss	<-2.5%	
8	Broken grain loss	<-0.8%	
9	Blown grain loss	<-1.5%	
10	Crop feeding	direct hopper type(Feeding chute, manually)	
11	Type of cylinder	Spike tooth	
12	Cylinder size, tip diameter x length(m m)	approx.770 x 1500	
13	No of sieves	3	
14	No. of blower	one/double/triple	
15	No. of spike	around 75	
16	Cleaning fan	at least 1 aspiratory fan for grain clean and 1 centrifugal fan for dust clean	
17	Weight(approx.)	1450-1550kg	
18	Standard accessories	PTO shaft, tool box, greas gun	
19	Main shaft diameter	not less than 60mm	
20	No. of transmission joint	4	

Total price

Total price in words


Note:

1	Instructions:-All signs and instructions in the farm machinery as per as possible shall be in English, Manuals:- One copy of the Operator's and Owner's Instructions/catalogue in English shall be supplied with each Farm Implement/machinery/vehicle.
2	Tools:-A set of tools as required for general maintenance shall be supplied.
3	Warranty:-Manufacturer shall provide atleast one-year of warranty after acceptance, with Standard colour.
4	Proven performance:-The suppliers/bidder shall provide the manufacturer's data of the performance.
5	Initial Service:-The supplier shall provide all the necessary filters and spare parts required for the first two services, after the
6	Training:- For All farm machinery need 7 days Operator and General maintenance training farmers/operators.

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Technical Specification For Farm Machinery and Equipments			
S.N.	Name of implement with description	Required specification	Offered Specification by supplier with remark
A	Minitiller		
1	Brand/model	ISO Certified Minitiller, Model..... Engine model number:	
2	General	General purpose minitiller for dry and wet tillage, with standard desgin having gross vehicle weight not less than 95kg	
3	Engine	Single cylinder, Four stroke, incline/vertical Forced air cooled system, Oil batch type filler, Diesel Engine, Maximum power not less than 3.8±0.2KW at rated speed .	
4	Starting type	Manual/Recoil	
5	Transmission system	Gear drive(1- Reverse, 2- Forward(both high and low) number of gears.	
6	Displacement(ml(cu.in))	not less than 247CC	
7	Tilling Depth	100mm or above	
8	Tilling width	750mm or above	
9	Fuel tank capacity	minimum 2.5 litres	
10	Fuel Consumption (Litr/hr)	less than 1	
11	air cleaner	oil bath type	
12	Blades	minimum 24 pieces	
13	Tyre	Standard size(4-8)	
14	Colour	Standard	
	Total Price (Nrs.)		
	Total price in word		


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Technical Specification For Farm Machinery and Equipments

S.N.	Name of implement with description	Required specification	Offered Specification by supplier with remark
A	Minitiller(Petrol)		
1	Brand/model	ISO Certified Minitiller, Model:..... Engine model number:	
2	General	General purpose minitiller for dry and wet tillage, with standard design having gross vehicle weight not less than 80kg	
3	Engine	Single cylinder, Four stroke, incline/vertical Forced air cooled system, Oil bath type filler, Petrol engine, Maximum power not less than 4KW at rated speed.	
4	Starting type	Recoil/ Electrical starter	
5	Transmission system	Double Cluth system, Gear drive(1- Reverse, 2- Forward(both high and low) number of gears.	
6	Displacement(ml(cu.in))	not less than 208CC	
7	Fuel tank capacity	not less than 3 L	
8	Blades	minimum 24	
9	Tilling Depth	100mm or above	
10	Tilling width	750mm or above	
11	Fuel Consumption (lit/hr)	less than 0.9	
	Total Price (Nrs.)		
	Total price in word		

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Technical Specification For Farm Machinery and Equipments			
S.N.	Name of implement with description	Required specification	Offered Specification by supplier
A	Millet thresher		
1	Make, Model, brand	any	
2	Mode of operation	Manual	
3	Capacity	not less than 35 kg/hr with small rolling drum	
4	Materail	MS steel	
	Total Price (Nrs.)		
	Total price in word		
B	Millet thresher		
1	Make, Model, Brand	any	
2	Power source	2 HP Single phase Electric Motor 1440 RPM	
3	Capacity	not less than 60 kg/hrs	
4	Dimensions	Approx. 29'*21'*48'	
5	Weight	not less than 50 kg	
6	Dia. of Roller	approx. 18mm	
7	Roller speed	not less than 720 rpm	
	Winnower	Winnower for cleaning grain	
	Total Price (Nrs.)		
	Total price in word		


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Technical Specification For Farm Machinery and Equipments		
S.N.	Name of implement with description	Required specification
A		
1	Corn Sheller	
1	Make and model	any
2	Power	at least 0.75 kw
3	Motor	copper Coil 100%
4	Capacity	600-700kg/hr
5	Shaft Speed	1680 r/min
6	Rotor Diameter	around 590mm
7	Tube	Single
Total Price (Nrs.)		
Total price in word		
B		
Corn Sheller		
1	Make and model	any
2	Power	at least 1.1 kw
3	Motor	copper coil 100%
4	Capacity	1000-1200kg/hr
5	Shaft Speed	1680 r/min
6	Rotor Diameter	around 590mm
7	Tube	Double
Total Price (Nrs.)		
Total price in word		


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Technical Specification of Electrical motor Chaff Cutter

S.N.	Name of implement with description	Required specification
1	Model	any
2	Feeding Type	Fully automatic conveyor belt feeding
3	Maximum Power	at least 3 HP 50HZ/220V
	Electricity	Single Phase
4	Number of chopping blade	4
5	Weight	Not less than 42 kg
	Working Efficiency	300-400 kg/hr
6	Voltage	220 V
7	Spindle Speed	2200 r/min
	Coil Material	Copper Wire
	Cutting Length	15-32 mm
8	Usage	Cuts wet & dry grass/straw for animal feed
	Total Price (Mrs.)	
	Total price in word	


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Technical Specification For Farm Machinery and Equipments			
S.N	Name of implement with description	Required specification	Offered Specification by supplier
A	Digital Balance		
1	General	Digital display with normal mathematical calculation mode, weighing capacity at least 100 kg, non-corrosive material, with user manuals	
	Total Price (Nrs.)		
	Total price in word		
B	Digital Balance		
1	General	Digital display with normal mathematical calculation mode, weighing capacity at least 50 kg, non-corrosive material, with user manuals	
	Total Price (Nrs.)		
	Total price in word		
C	Digital Balance		
1	General	Digital display with normal mathematical calculation mode, weighing capacity at least 300 kg, non-corrosive material, with user manuals	
	Total Price (Nrs.)		
	Total price in word		

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Technical Specification For Farm Machinery and Equipments

	Model	Type	Capacity (kg/h)	Power Source	Power Rating	Dimension (mm)	Weight (kg)	Total Price (Nrs.)
Offered Specification by supplier	1 Any	Manual Coffee Pulper	30-100	Manual	manual	470-340-	20	
Offered Specification by supplier	2 Any	Coffee Pulper with Motor	600-800	Electric Motor	1.5Kw, 220V, 50Hz	540-390- 1070	75	
Offered Specification by supplier	3 Any	Coffee Pulper with Electric Motor	700-900	Electric Motor	2.2Kw, 220V, 50Hz	780-800- 1160	55	


Offered Specification by supplier

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Technical Specification For Farm Machinery and Equipments

S.N.	Name of implement with description	Required specification	Offered Specification by supplier with remark
	Power Weeder		
	Model, Make	any	
	Power	Air Cooled Four Stroke	
	Fuel Type	Petrol	
	Displacement (cc)	at least 52 cc	
	Max. Power (kW/r/min)	at least 1.5 / 2000	
	Tank Capacity (L)	minimum 1.2 L	
	Transmission Mode	Gear Type	
	Blades	2 groups of 16 pcs	
	Depth of Tillage	15 cm - 30 cm	
	Starting Mode	Hand Pull Recoil	
	Price	45000	

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Technical Specification For Farm Machinery and Equipments			
S.N.	Name of implement with description	Required specification	Remarks
A	Combined mill		
1	Make and model	any	
	General	Application in both milling of cereals such as rice, wheat, millet and paddy, Gross wt not less than 85kg.	
2	Power Source	not less than 2KW	
3	Motor	100% copper	
4	voltage and frequency of motor	220volt,50Hz	
5	Seive size	at least 100*749mm	
6	Seive Diameter	aperture : 1.2	
7	Capacity	Rice mill: at least 80 kg/hr	
8		Grain grinder: at least 130kg/hr	
9	Roller Speed	Rice mill-at least 1500rev/min	
10		Grain Grinder-5500rev/min	
11	Roller Diameter: rice mill	40mm	
12	Types	Disc/Hammer types	
13	accessories	Electric wire along with Suitable MCB with switch	
	Total Price (Nrs.)		
	Total price in word		

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Technical Specification For Farm Machinery and Equipments

S.N.	Name of implement with description	Required specification	Offered Specification by supplier
B	Power sprayer		
	Make,model, beand	any	
	Rated power	at least 0.7 KW	
	Fuel tank capacity	not less than 650ml	
	Displacement	not less than 30 cc	
	engine type	4 stroke-petrol	
	suction volume	at least 9 ltr/min	
	Delivery pipe	at least 25 meter	
	Warranty	at least one years from the date of supply	
	Total Price (Nrs.)		
	Total price in word		


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