

नेपाल सरकार
कृषि तथा पशुपन्छी विकास मन्त्रालय
प्रधानमन्त्री कृषि आधुनिकीकरण परियोजना
परियोजना कार्यान्वयन एकाइ, रुपन्देही
प्रस्ताव दरभाउ फारम

१. संस्थाको नाम :
२. संस्थाको ठेगाना :
सम्पर्क व्यक्तिको मोबाईल नं. :
ईमेल:
३. आधिकारिक व्यक्तिको नाम:
पद:
ईमेल:
४. संस्था रजिस्ट्रेसन नं.:
५. रजिस्ट्रेसन गर्ने कार्यालय:
६. फर्म दर्ता मिति:
७. PAN/VAT रजिस्ट्रेसन नं. :
८. व्यापारको किसिम/उद्देश्य :
९. उपलब्ध गराउन सक्ने सामग्रीको दरभाउ र अन्य विवरण प्रस्ट खुल्नु पर्नेछ ।

Technical Specification For Farm Machinery and Equipments

S.N.	Name of Implements With Description	Technical Specification	Unit	Per Unit Rate (In Figures)	Per Unit Rate (in Words)
1	Power Tiller				
	1. Make and Model	N/A	1 Set (18 hp / 13.43 kw)		
	2. Engine	Single cylinder, 4-stroke diesel engine			
		Direct combustion type			
		Specific fuel consumption around 244 g/kw.h			
		Power output range of 18-22 HP (13.43 Kw, 14.92 Kw, 16.4 Kw)			
		Air cleaner oil bath type			
	3. Clutch	Multiple plates, Dry disc	1 Set (20 hp / 14.92 kw)		
	4. Brakes	Hand operated dry brakes			
	5. No. of Gears	Forward-6, Reverse-2 (With high-low selector lever)			
	6. Tilling width	Around 900 mm			
	7. Number of rotary tiller blades	minimum 24			
	8. Ground Clearance	minimum 185 mm			
	9. Cooling system	Water or condense cooled			
	10. Fuel Tank Capacity	Minimum 15 Liters			
	11. Lubrication System	Combined pressure and splashing type			
	12. Minimum turning radius	1.3 meter			
13. Starting method	Manual or Electric				
14. Certification	ISO certified				
15. Color	Standard				
16. Accessories	Toolbox, anti-skid wheel and hub connector of suitable size for supplied power				
17. Warranty	Manufacturer shall provide warranty for at least one year for manufacturing defects				

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S.N.	Name of Implements With Description	Technical Specification	Unit	Per Unit Rate (In Figures)	Per Unit Rate (in Words)
2	Reaper (Power Tiller Drawn)		Set		
	1. Make and Model	N/A			
	2. Power range	Power tiller of 15 Hp to 22 Hp			
	3. Features	Paddy and wheat harvesting, front mounted conveyor reaper			
	4. Type of cutting table	Standing typed			
	5. Placing type	sidewise and banded placed			
	6. Rated speed	3600 rpm			
	7. Cutting width	minimum 1200 mm			
	8. Cutting height	minimum 50 mm			
	9. Type of cutting Unit	Cutter bar with serrated V shaped blade			
	10. Crop divider	5 with star wheels			
	11. Certification	ISO certified			
	12. Color	Standard			
13. Warranty	Manufacturer shall provide warranty for at least one year for manufacturing defects				
3	Reaper (Tractor Drawn)		Set		
	1. Make and Model	N/A			
	2. Power Required	35 Hp and above			
	3. Features	Paddy and wheat harvesting, front/back mounting on tractors and connected to PTO shaft for harvesting with hydraulic lifting			
	4. Capacity	0.4 ha/hr-2.4 ha/hr			
	5. Working width	minimum 7 ft.			
	6. Stubble height	≥ 25 mm			
	7. Cutting blade	3 mm			
	8. No. of stars	7 stars with crop divider			
	9. Weight	minimum 190 kg			
	10. Certification	ISO certified			
	11. Color	Standard			
12. Warranty	Manufacturer shall provide warranty for at least one year for manufacturing defects				
4	Multi-Crop Thresher				
	1. Make and Model	N/A			
	2. Type	4WT driven			
	3. Features	Suitable for multi-crops (wheat, Sorghum, Soyabean, grams, mustard, bean) and able to produced animal eatable straw.			
	4. Power Required	Tractors above 35 Hp			
	5. Capacity	≥ 1200 kg/hr			
	6. Threshing efficiency	≥ 95 percentage			
	7. Crop Feeding	Direct hopper type or chute type			
8. Threshing cylinder or Drum	rasp-bar or spike tooth cylinder with suitable number of blades.				





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9.	PTO input speed	540 rpm	Set					
10.	Maximum Rpm	700-800 rpm						
11.	No. of sieves	at least 2						
12.	No. of fans	Either 2 or 4						
13.	Duct	minimum two; primary duct for removing major portion of straw dust, other foreign matter and secondary for final cleaning.						
14.	Standard Accessories	PTO shaft, Tool box, Grease gun						
15.	No. of transmission joints	4						
16.	Ms sheet thickness	minimum 3 mm						
17.	Overall weight	1450 kg - 1680 kg						
18.	Transportation wheel	2 no.s of pneumatic type tyre						
19.	Certification	ISO certified						
20.	Color	Standard						
21.	Warranty	Manufacturer shall provide warranty for at least one year for manufacturing defects						
5	Self-Propelled Reaper					Set		
1.	Make and Model	N/A						
2.	Features	Paddy and wheat harvesting self-propelled reaper						
3.	Power Required	Minimum 6 Hp						
4.	Engine	Single cylinder, 4-stroke diesel engine						
5.	Cooling System	Water or condense cooled						
6.	Type of cutting table	Standing typed						
7.	Cutting width	minimum 1.2 m (adjustable)						
8.	Cutting height	≥ 50 mm						
9.	Rated speed of PTO	3600 Rpm						
10.	Reaper Cultivation	minimum 4-line at a time						
11.	Teeth spacing	minimum 125 mm						
12.	Fuel consumption	≤ 900ml/hour						
13.	Crank Speed	minimum 540 rpm						
14.	Gear system	Forward-6, Reverse-2 (With high-low selector lever)						
15.	Certification	ISO certified						
16.	Color	Standard						
17.	Warranty	Manufacturer shall provide warranty for at least one year for manufacturing defects						




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6	Inter-Cultivator/Weeder				
	1.Engine	4 stroke single cylinder diesel engine			
	2.Power required	5.5 hp to 8.5 hp			
	3.Cooling System	Air/water cooled			
	4.Engine oil capacity	> 4 litres			
	5.Mode of transportation	Gear with PTO shaft			
	6.Rated engine speed	3600 rpm	Set		
	7.Number of Gear	3			
	8.Fuel Consumption	less than 800 ml			
	9.Gear box oil	800 ml -1000 ml			
	10.Overall cultivation	adjustable			
	11. Certification	ISO certified			
	12. Color	Standard			
	13. Warranty	Manufacturer shall provide warranty for at least one year for manufacturing defects			
7	1 HP 2 Paddle Wheel Aerator	Motor: Single phase, CED coating with H class insulation; Gear Box: Bevel-Helical type, Cast Iron Body with CED coating; Impeller, Floats, Cover and Tripod: Virgin PP/HDPE with UV; Impeller Speed: 100RPM; Movable joint, Shaft, Frame and Bolt kit: SS-304; Synthetic Gear Box Oil; Oxygen transfer rate: 1.5kg/h	Set		
8	2HP 4 Paddle wheel aerator	Motor: Single phase, CED coating with H class insulation; Gear Box: Bevel-Helical type, Cast Iron Body with CED coating; Impeller, Floats, Cover and Tripod: Virgin PP/HDPE with UV; Impeller Speed: 1440RPM; Movable joint, Shaft, Frame and Bolt kit: SS-304; Synthetic Gear Box Oil; Oxygen transfer rate: 2.5kg/h	Set		
9	Automatic feeder	Solar power based; Power: 150 Watt DC motor; Voltage: DC 12 V; Feed dispensing radius: 10-15 m; Automated by timer; Feed loading capacity: 200-300kg	Set		
10	Insulated Ice Box Container	Capacity:30 liters; Square shaped; Insulation: Polyurethane rigid foam (PUR) type; 2 Clamps; 2 Drains; Usage: Fish transportation maintaining cold chain	NO.		
11	Drag net (Mahajaal)	Length: 50m; Depth: 4-5 m; Material: Nylon; Mesh size: 10mm; Knotless; Thickness: 1mm; Head rope with floats; Foot rope with sinkers	NO.		




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