

नेपाल सरकार
कृषि तथा पशुपन्ध्री विकास मन्त्रालय
राष्ट्रिय कृषि आधुनिकीकरण कार्यक्रम
कार्यक्रम कार्यान्वयन एकाइ, नुवाकोट

आर्थिक प्रस्तावना

आर्थिक वर्ष: २०८२/८३

१. संस्थाको नाम:

२. संस्थाको ठेगाना:

३. आधिकारीक व्यक्तिको नाम थर:

पद:

ईमेल:

सम्पर्क नं.

४. सम्पर्क व्यक्तिको नाम थर:

सम्पर्क नं.

५. संस्था रजिस्ट्रेशन नं./ कार्यालय:

६. संस्था दर्ता मिति:

७. प्यान/भ्याट नं.

८. व्यापारको उद्देश्य:

नोट: उपलब्ध गराउन सक्ने सामाग्रिको दरभाउ अनिवार्य खुलाउन पर्नेछ।

Supplier's Specification मा मेसिनरी औजारको विवरण अनिवार्य रूपमा भर्नु पर्नेछ।

Technical Specification of petrol Mini Tiller

S.No.	Particulars/Parameters	Required Specification	Offered Specification
1	Brand/model	Make: 2025 or latest model; Brand; Model : any	
2	General	Mini tiller of standard design having gross weight not less than 80 Kg, including gear oil and engine oil	
3	Engine Type	4 Stroke, Single Cylinder, Forced air cooled system, Petrol Engine	
4	Engine Model	170F	
5	Transmission system	Gear drive(1- Reverse, 2-Forward)	
6	Bore*stroke	70*54 mm	
7	Engine Speed	3600 rpm	
8	Start Method	Manual Start/Recoil	
9	Fuel Tank Capacity	Minimum 3.5 litres	
10	Lubrication Oil Volume	0.8 L	
11	Gear Oil	1.5 L	
12	Tilling Width	≥ 1050mm	
13	Tilling Depth	≥ 150mm	
14	Minimum no.of Blades	≥24	
15	Manuals	1 copy of Operators and Owner manual instruction in English/ Nepali.	
16	Tools	A set of tool required for general maintenance	
17	Colour	Standard Colour	
18	Warranty Period	Manufacturer should provide minimum one(1) year warranty	
	Total Price (in figures)		
	Total Price (in words)		

Technical Specification of Diesel Mini Tiller

S.No.	Particulars/Parameters	Required Specification	Offered Specification
1	Brand/model	Make: 2025 or latest model; Brand; Model : any	
2	General	Mini tiller of standard design having gross weight not less than 100 Kg, including gear oil and engine oil	
3	Engine Type	4 Stroke, Single Cylinder, Forced air cooled system, Diesel Engine	
4	Engine Model	173F	
5	Transmission system	Gear drive(1- Reverse, 2-Forward(both high and low)	
6	Engine Speed	3600 rpm	
7	Start Method	Electric Start/Recoil	
8	Fuel Tank Capacity	Minimum 2.5 litres	
9	Tilling Width	$\geq 700\text{mm}$	
10	Tilling Depth	$\geq 100\text{mm}$	
11	Minimum no.of Blades	≥ 24	
12	Engine Oil	1 L	
13	Gear Oil	1.5 L	
14	Manuals	1 copy of Operators and Owner manual instruction in English/ Nepali.	
15	Tools	A set of tool required for general maintenance	
16	Colour	Standard Colour	
17	Warranty Period	Manufacturer should provide minimum one(1) year warranty	
Total Price (in figures)			
Total Price (in words)			

Technical Specification of Diesel Mini Tiller

S.No.	Particulars/Parameters	Required Specification	Offered Specification
1	Brand/model	Make: 2025 or latest model; Brand; Model : any	
2	General	Mini tiller of standard design having gross weight not less than 120 Kg, including gear oil and engine oil	
3	Engine Type	4 Stroke, Single Cylinder, Forced air cooled system, Diesel Engine	
4	Engine Model	178F	
5	Transmission system	Wet type, friction multi-plate clutch	
6	Start Method	Recoil/Manual	
7	Fuel Tank Capacity	Minimum 3.5 litres	
8	Tilling Width, mm	≥ 1050	
9	Tilling Depth, mm	≥ 150	
10	Minimum no.of Blades	32 Pcs	
11	Gearshift Speed	2 Fwd, and 1 Rev Gear	
12	Steering Handle	UP-Down	
13	Bore*stroke(mm)	78*62	
14	Displacement, CC	296	
15	Engine Speed, rpm	3600	
16	Engine Oil, L	1.2	
17	Gear Oil, L	2.6	
18	Manuals	1 copy of Operators and Owner manual instruction in English/ Nepali.	
19	Tools	A set of tool required for general maintenance	
20	Colour	Standard Colour	
21	Warranty Period	Manufacturer should provide minimum one(1) year warranty	
Total Price (in figures)			
Total Price (in words)			

Technical Specification of Diesel Mini Tiller

S.No.	Particulars/Parameters	Required Specification	Offered Specification
1	Brand/model	Make: 2025 or latest model; Brand; Model : any	
2	General	Mini tiller of standard design having gross weight less than 100 Kg, including gear oil and engine oil	
3	Engine Type	4 Stroke, Single Cylinder, Forced air cooled system, Diesel Engine	
4	Engine Model	173F	
5	Transmission system	Gear drive(1- Reverse, 2-Forward(both high and low)	
6	Engine Speed	3600 rpm	
7	Start Method	Electric Start/Recoil	
8	Fuel Tank Capacity	Minimum 2.5 litres	
9	Tilling Width	$\geq 700\text{mm}$	
10	Tilling Depth	$\geq 100\text{mm}$	
11	Minimum no.of Blades	≥ 24	
12	Engine Oil	1 L	
13	Gear Oil	1.5 L	
14	Manuals	1 copy of Operators and Owner manual instruction in English/ Nepali.	
15	Tools	A set of tool required for general maintenance	
16	Colour	Standard Colour	
17	Warranty Period	Manufacturer should provide minimum one(1) year warranty	
Total Price (in figures)			
Total Price (in words)			

Technical Specification of Combine Mill

S.No.	Particulars/Parameters	Required Specification	Offered Specification
1	Brand/model	Any	
2	Roller Dimension	40*370 mm	
3	Automation Grade	Semi-Automatic	
4	Machine weight excluding motor	≥ 75 Kg	
5	Milling Efficiency	≥ 180 Kg/hr	
6	Crushing Efficiency	≥ 250 kg/hr	
7	Min Rated Power	2.2 KW (Single phase, 100% copper wire binding motor)	
8	Motor Rotational Speed	2800 rev/min	
	Colour	Standard Colour	
9	Warranty and Documentation	<ul style="list-style-type: none"> •Manufacturer should provide minimum one(1) year warranty. •Operating manaul, service manual, Certificate of calibration and inspection from factory, delarship authorized letter from manufacture company. 	

Technical Specification of Digital Weighing Machine (100 Kg)

S.No.	Particulars/Parameters	Required Specification	Offered Specification
1	Brand/model	Any	
2	Maximum Weighing Capacity	At least 100 Kg	
3	Accuracy	±25 gm	
4	Platform Size Approx	400*400 mm	
5	Others	<ul style="list-style-type: none"> •Easy to handle and carry •Bright LED Display, •Overload Protection, •Battery Backup, •Push button keys, •Auto zero tracking, •Stainless steel plate/MS Plate. 	
6	Certification	Nepal Bureau of Standards and Metrology	
7	Instruction	All sign instruction in the machine shall be in English/Nepali	
8	Colour	Standard Colour	
9	Warranty and Documentation	<ul style="list-style-type: none"> •Manufacturer should provide minimum one(1) year warranty. •Operating and Maintenance manual and parts catalog should be provided in English/Nepali 	

Technical Specification of Digital Weighing Machine (50 Kg)

S.No.	Particulars/Parameters	Required Specification	Offered Specification
1	Brand/model	Any	
2	Maximum Weighing Capacity	At least 50 Kg	
3	Accuracy	±15 gm	
4	Platform Size Approx	300*400 mm	
5	Others	<ul style="list-style-type: none"> •Easy to handle and carry •Bright LED Display, •Overload Protection, •Battery Backup, •Push button keys, •Auto zero tracking, •Stainless steel plate/MS Plate. 	
6	Certification	Nepal Bureau of Standards and Metrology	
7	Instruction	All sign instruction in the machine shall be in English/Nepali	
8	Colour	Standard Colour	
9	Warranty and Documentation	<ul style="list-style-type: none"> •Manufacturer should provide minimum one(1) year warranty. •Operating and Maintenance manual and parts catalog should be provided in English/Nepali 	

Technical Specification of Power Weeder

S.No.	Particulars/Parameters	Required Specification	Offered Specification
1	Brand/model	Make: 2025 or latest model; Brand; Model : any	
2	Weight	Approx 92 Kg	
3	Displacement	144 CC	
4	Engine Speed	2000 rev/min	
5	Working depth	15-30 cm	
	Working Width	30-60 cm	
6	Fuel tank capacity	≥ 1.2 ltr	
7	Blades	2 groups of 16 pcs	
8	Starting Mode	Hand Pull	
9	Transmission Mode	Gear Type	
10	Body Material	Cast Iron	

Technical Specification of Multi Crop Thresher

S.No.	Particulars/Parameters	Required Specification	Offered Specification
1	Brand/model	Make: 2025 or latest model; Brand; Model : any	
2	Engine Model	170F, Petrol Engine	
3	Roller Speed	≥ 1100 rpm	
4	Roller Diameter	≥ 290 mm	
5	Roller Length	≥ 580 mm	
6	Capacity	200-800 Kg/hr	
7	Weight	≥ 71 Kg	
8	Application	Paddy, Wheat, Millet, Soyabean, and Sorghum, etc.	
9	Colour	Standard Colour	
10	Warranty and Documentation	<ul style="list-style-type: none"> • Manufacturer should provide minimum one(1) year warranty. • Operating manual, service manual, Certificate of calibration and inspection from factory, dealership authorized letter from manufacture company. 	

Technical Specification of Single Tube Corn Sheller

S.No.	Particulars/Parameters	Required Specification	Offered Specification
1	Brand/model	Make: 2025 or latest model; Brand; Model : any	
2	Weight	Min 20 Kg	
3	Productivity	\geq 1000 Kg/hr	
4	Minimum Rated Power	0.9 KW (Single phase, 220 V)	
5	Rotation Speed	1600 rev/min	
6	Rotor Diameter	590mm	

Technical Specification of Brush Cutter

S.No.	Particulars/Parameters	Required Specification	Offered Specification
1	Brand/model	Make: 2025 or latest model; Brand; Model : any	
2	Type	Backpack	
3	Power	At least 1.46 KW (1.9 HP)	
4	Engine Type	2 Stroke	
5	Power Source	Petrol	
6	Displacement	51.7 CC	
7	Fuel Tank Capacity	\geq 1.1 L	
8	Speed	\geq 6500 RPM	
9	Fuel Consumption	\leq 600 ml/hr	
10	Gross Weight	\geq 11 Kg	

Technical Specification of Power Tiller

SN	Particulars	Required Specification	Offered Specifications
1	General	Agricultural diesel Power tiller suitable for wet and dryland condition of Nepal. The weight of the power tiller with Rotavator shall be 400-450 kgs.	
2	Engine	Horizontal single cylinder, 4 stroke Water Cooled diesel engine, The maximum power output shall be in the range of 12± (5%) HP at governed RPM.	
3	Starting System	Hand Cranking	
4	Transmission	Gear Type	
5	Fuel Tank	Minimum 10 Liter	
6	Cooling	Water cooled	
7	Turning speed of rototilling shaft	300-550 RPM	
8	Rototilling width	600 mm minimum, number of blades minimum 18	
9	Minimum ground clearance	185 mm	
Total Price (in figures)			
Total Price (in words)			

Technical Specification of 2 in 1 Sprayer

S.No.	Particulars/Parameters	Required Specification	Offered Specification
1	Brand/model	Make: 2025 or latest model; Brand: Model : any	
2	Type	Agricultural Spray Pump	
3	Usages	Most useful sprayer in agriculture, sanitizer, chemicals, farming, gardening, and many more purposes.	
4	Sprayer Pump Type	2 in 1 Knapsack Sprayer-Manual and Battery, brass coated	
5	Pump type	Pressure Pump	
6	Tank Capacity	At least 16 L	
7	Tank Material	HDPE Tank	
8	Battery Voltage	12 V/8ah(Sealed Rechargeable Lead Battery)	
9	Pressure Regulator	Provided	
10	Charger	1.0A charger with customer brand	
11	Nozzle Type	Single Hole, Double Hole, 4 Hole, Adjustable Single Hole,	
12	Max pressure	0.5MPa	
Total Price (in figures)			
Total Price (in words)			

Technical Specification of Electrical moto Chaff Cutter

S.No.	Particulars/Parameters	Required Specification	Offered Specification
1	Brand/model	any	
2	Feeding Type	Fully automatic conveyor belt feeding	
3	Maximum power	at least 3 hp 50 Hz/220V	
4	Electricity	single phase	
5	Number of chopping blade	4	
6	Weight	Not less than 42 kg	
8	Working efficiency	300-400 kg/hr	
9	Voltage	220 v	
10	spindle speed	2200 r/min	
11	Coil material	Copper wire	
12	Cutting Length	15-3 mm	
13	Usage	cuts wet and dry grass/straw for animal feed	
	Total Price (in figures)		
	Total Price (in words)		

Technical Specification of Paddle Thresher

S.No.	Particulars/Parameters	Required Specification	Offered Specification
1	Overall Dimension(L*B*H)mm	Approx. 750*630*665	
2	Weight	35-40 kg	
3	Number of slats	Apprix 11	
4	Number of wire loops /slat	appriox 13	
5	Transmission System	Pedal crank mechanism	
6	Capacity	approx 35 kg/hr	
Total Price (in figures)			
Total Price (in words)			

Technical Specification of Dipping Tank

S.No.	Particulars/Parameters	Required Specification	Offered Specification
1	Material	Fiber Reinforced plastic(FRP/GRP)	
2	Dimensions (inch)	approx. 110" * 30" * 35"	
3	Standards	ISO compliant ,food grade material	
4	Features	Built in ladder,waterproof, light weight, UV-resistant, unbreakable, easy to clean ,stain and scratch resistant	
5	Applications	Treating goats and other small animals	
6	colour	customizable on request	
Total Price (in figures)			
Total Price (in words)			

Technical Specification of Disk Mill

S.No.	Particulars/Parameters	Required Specification	Offered Specification
1	Make model and brand	Any	
2	Country of manufacture	Any	
3	Motor power	Not less than 7.5kw	
4	Motor speed	not less than 1450 rpm	
5	Productivity	Not less than 450 kg/hr in case of corn	
6	Dimension in mm	Around 1050 *680 *1325 mm	
	Total Price (in figures)		
	Total Price (in words)		

Technical Specification of Flour Mill

S.No.	Particulars/Parameters	Required Specification	Offered Specification
1	Make model and brand	Any	
2	Power	3 hp	
3	Motor speed	Not less than 1400 rpm	
5	Grinding wheel size	16 inch	
6	Material	Emery stone	
7	Phase	single	
8	Purpose	suitable for Grinding Pulse ,cereals and speices etc	
	Total Price (in figures)		\
	Total Price (in words)		

Technical Specification of Self Propelled Reaper

S.No.	Particulars/Parameters	Required Specification	Offered Specification
1	Brand/model	Make: 2025 or latest model; Brand; Model : any	
2	General	It is used for harvesting paddy in wet and dry field, having a self engine for its operation.	
3	Engine Power	$\geq 4\pm 0.2$ KW	
4	Engine Type	4-Stroke, Single Cylinder, Air Cooled, Diesel Engine, Gear/Belt Transmission System	
5	Engine Speed	≥ 2600 RPM	
6	Fuel Tank Capacity	≥ 3.5 L	
7	Fuel Consumption	550-700 ml/hr	
8	Starting System	Electric/Manual Start (Recoil Type)	
9	Cutting Height	≥ 40 mm	
10	Cutting Width	≥ 1000 mm	
11	Weight	≥ 200 Kg	
Total Price (in figures)			
Total Price (in words)			

Technical Specification of Power Sprayer

S.No.	Particulars/Parameters	Required Specification	Offered Specification
1	Make and Model	Any	
2	Rated power	not less than 0.7 kw	
3	vertical range	At least 13m	
4	engine type	4 stokes petrol	
5	suction volume	at least 9 litre per min	
6	Delivery pipe	at least 25 meters	
7	Fuel tank capacity	not less than 650 ml	
8	Displacement	not less than 30 cc	
	Total Price (in figures)		
	Total Price (in words)		

Technical Specification of Pellete Machine

S.No.	Particulars/Parameters	Required Specification	Offered Specification
1	Pellete Type	Sinking	
2	Motor Power	≥ 2 HP	
3	Revolution Speed	1400-3000 RPM	
4	Capacity	50-80 Kg/hr	
5	Electricity Power Required	Single Phase, 220 V	
6			
	Total Price (in figures)		
	Total Price (in words)		

Technical Specification of Packaging Machine

S.No.	Particulars/Parameters	Required Specification	Offered Specification
1	Power required	220-230V Single Phase	
2	Packaging Speed	500 to 1200 pkts / hr	
3	Packing Material	Any Laminated Polythene Poly, Metal Poly & Aluminum Poly etc.	
	Total Price (in figures)		
	Total Price (in words)		

Prepared By:

Er. Bibhushan Subedi
 Agricultural Engineer
 Agriculture Development office ,Nuwakot
 NEC regd No: 87520

Instructions: •All signs and instructions in the farm machinery as per as possible shall be in English or other Standard Langauge
 •It is mandatory for all suppliers to complete the offered specification column.

Tools: A set of tools as required for general maintenance shall be supplied with require Farm Machine.

Warranty : Manufacturer shall provide atleast one-year of warranty after acceptance.

Proven Performance: The suppliers shall provide the manufacturer's data of the performance or Test Report of Required machinery of recent year.

Training: For all farm machinery the supplier should provide Operator and General maintenance training/Demonstration to farmers/operators.