



नेपाल सरकार

कृषि तथा पशुपन्छी विकास मन्त्रालय

राष्ट्रिय कृषि आधुनिकीकरण कार्यक्रम

कार्यक्रम कार्यान्वयन एकाई, रामेछाप

(कार्यक्षेत्र: रामेछाप र दोलखा जिल्ला)

S.N	Required Technical Specifications		Offered specification		Offered Rate (NRs)		Remarks
	Diesel Mini Tiller Small Power Category		Figures	Words			
1	Make & model	ISO certified, Mintiller	Mini tiller model:				
	Engine	4 stroke, single cylinder, forced air cooled, Diesel engine. Power: Not less than 3 KW	Engine Model no.:				
	Transmission system	fiction wet type, Double clutch, no. of gear speed:2 forward & 1 reverse and neutral					
	Model of transmission	Driven by gear system					
	Number of rotor blades	Minimum 24 blades.					
	Transportation wheel	Solid or Pneumatic tyre size (inch): 4.0-8					
	Starting method	Manual or Recoil starting system					
	Steering handle	Height adjustment provided.					
	Weight (Kg)	Gross weight not less than 80 kg					
	Width of cut(cm)	75 to 100					

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SN	Required Technical Specifications	Offered specification	Offered Rate (NRs)	Remarks
2	Depth of cut(cm)	10-15		
	Fuel tank capacity(liter)	2.5 to 3		
Air cleaner	Oil bath type			
Manual and documents	one set of operation / maintenance manual. Test report or any documents to verify the power of mini tiller.			
Accessories parts & tools	One set of tool box, MT filled with lubricant & Gear oil (Ready to use).			
Servicing	Two free servicing.			
Diesel Mini Tiller Medium Power Category				
Make & model	ISO certified, Minitiller	Mini tiller model:		
Engine	4 stroke, single cylinder, forced air cooled, Diesel engine. Power: Not less than 4 KW	Engine Model no.:		
Transmission system	friction wet type, multi plate clutch, no. of gear speed:2 forward & 1 reverse and neutral			
Model of transmission	driven by gear system			

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SN	Required Technical Specifications	Offered specification	Offered Rate (NRs)	Remarks
3	Diesel Mini Tiller 9 hp category	Mini tiller model:	Figures	Words
	Make & model of machine	ISO certified, Minitiller		
	Engine	4 stroke, single cylinder, forced air cooled diesel engine. power: not less than 6 KW	Engine Model no.:	
	Transmission system	friction multi plate clutch, gear system, no. of gear speed:2 forward & 1 reverse and neutral		
	Model of transmission	driven by gear system		
	Number of rotor blades	Not less than 32 blades		
	Transportation wheel	Pneumatic tyre		
	Starting method	manual or recoil or self starting system		
	Weight (Kg)	Gross weight not less than 135 kg		
	Width of cut(cm)	100 or above		
Depth of cut(cm)	10 or above			
Fuel tank capacity(liter)	not less than 5 litres			

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S.N	Required Technical Specifications	Offered specification	Offered Rate (NRs)	Remarks
4	Petrol Mini Tiller Medium Power Category		Figures	Words
	Make & model	ISO certified, Minitiller	Mini tiller model:	
	Engine type and model	4 stroke, single cylinder, air cooled gasoline engine. power: Not less than 3-4 Hp (2.2-3 kw)	Engine Model no.:	
	Transmission system	wet type, friction multi plate clutch, no. of gear speed:2 forward &1 reverse and neutral		
	Model of transmission	driven by gear system		
	Number of rotor blades	Not less than 24 blades		
	Transportation wheel	Solid or Pneumatic tyre size (inch):4.0:8		
	Starting method	recoil starting system		
	Weight (Kg)	Gross weight: 80 or more		
	Width of cut (cm)	75 to 100		
Depth of cut (cm)	10 to 15			
Productivity (m <sup>2</sup> /h)	600 to 750			
Fuel tank capacity(liter)	3.5 to 4			

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SN	Required Technical Specifications	Offered specification	Offered Rate (NRs)	Remarks
5.	Manual and documents	maintenance manual. Test report or any documents to verify the power of mini tiller.		
	Accessories parts & tools	One set of tool box, MT filled with lubricant & Gear oil (Ready to use).		
	Servicing	Two free servicing.		
	<b>Electric Combine Mill</b>		<b>Figures</b>	<b>Words</b>
	Power source: 3-4 hp (2.2-3 kw) 1PH, 220V/50Hz/2800RPM (100 % copper wire binding motor). Body material: metallic. Capacity >80kg/hr for rice de-husking; >120 kg for grinding. Feeding hopper having adjustable feed rate mechanism. Adjustable system in outlet, polyester spout cloth provided. Compartment: rice and disc grind compartment one single machine. Rotor diameter (mm); rice mill: not less than 40; disc mill: not less than 210mm. Sieve (mm) aperture:1.2. Feature required: application in both milling of cereals such as rice, wheat, millet and paddy. Gross wt. 75 kg or above. Safety: protective covers on moving parts (belt, pulley etc.)			

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S.N	Required Technical Specifications	Offered specification	Offered Rate (NRs)	Remarks
6.	Two in One Electrical Sprayer Agricultural chargeable knapsack sprayer (2 in 1), Tank capacity 16 L. PUMP type: 12 V Motor operated diaphragm type with 2-3 liter per minute capacity, Speed 3000-3600 rpm. Battery 12 V, 8-9AH rechargeable. Charger input: 100-240V AC, 50HZ, output: 12V DC 1.5A. Minimum Working pressure 0.4 M Pascal. Nozzles Minimum 2 pieces. Lance material: Stainless steel. Hand pumping Rocking rod.		Figures Words	
8.	Chaff Cutter Model suitable for hilly transport ; Single phase power not less than 2.2 KW with 220 V; Electric source; Minimum 2 blades and 2 feeding roller; Motor speed not less than 2800 RPM; Productivity not less than 600 kg/hr ; Chassis and frame: Mild Steel,Frame structure suitable for operation with protective covers on moving parts; Instructions and user manual in English language; Standard color ; Minimum One years of warranty from manufacturer after acceptance; Gross weight not less than 60 kg.		Figures Words	
9.	Refractometer Hand-held fluid concentration detection refractometer for fruits. Sugar measuring instrument. Measure range: 0-32% Brix; salinity 0-28%. division value: accuracy 0.50%. Size: 5.9 inch or more. Accessories:		Figures Words	

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S/N	Required Technical Specifications	Offered specification	Offered Rate (NRs)	Remarks
	mini Screw driver, Pipette, English manual, Plastic box etc			
10.	<b>Kiwi Vine Twister machine</b> Steel body and plastic grip. Size:32x10x3 cm. weight 660 g or above. Typing machine with 10 rolls of tapes and 1 box of staple.		<b>Figures</b> <b>Words</b>	
11.	<b>Electrical Disc Mill</b> ISO Certified Disc Mill; Single phase power not less than 2.2 KW with 220 V and 100% copper binding motor; Electric source; Output: adjustable from coarse crack to fine flour; Steel body with quick open disc chamber easy for cleaning and disc replacement; Gross weight not less than 50kg; rotational speed not less than 5000 RPM, rotor diameter not less than 240mm; Capacity: not less than 150 kg/hr; required for grinding and crushing feed for animal; Protective covers on moving parts; Minimum one year of warranty after acceptance.			
12.	<b>Digital Weighing Machine</b> Capacity: weighing at least 100kg; Accuracy±25gm; Platform size 400*400 mm; Easy to handle and carry; Bright LED Display; Overload protection; Battery Backup at least 12 hours on single charge; Water proof keyboards; Push Button keys; Auto zero tracking; Stainless steel plate/ MS plate; Nepal Bureau		<b>Figures</b> <b>Words</b>	

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SN	Required Technical Specifications	Offered specification	Offered Rate (NRS)	Remarks
13.	Secateurs Size/dimensions: 8 inch or more; Blade length at least 50mm; weighing around 300 gm; stainless steel blade material, capable of cutting up to 30mm diameter.		Figures Words	
14.	Electric Secateurs Power not less than 100W; About 20V Battery not less than 2ah; 220V AC charging with minimum 3 hours of operations per charge; Easy and non slip handle under 1 kg weight with cutting capacity of minimum 20mm; Durable high carbon steel blades; Double safety switch/ trigger -lock for accidental activation; Instructions and manual in English/ Nepali language; at least one year of warranty from the date of acceptance.		Figures Words	
15.	Electric Chain Saw Power not less than 300W; About 36V Battery not less than 3.5ah; 220V AC charging with minimum 3 hours of operations per charge; Easy and non slip handle under 2.5 kg weight with cutting capacity of minimum 150mm; Guide bar length minimum 10 inch; Durable High carbon steel blades; Protective hand		Figures Words	

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कार्यक्रम कृषि आधुनिकीकरण

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SN	Required Technical Specifications	Offered specification	Offered Rate (NRS)	Remarks
	English/ Nepali language; at least one year of warranty from the date of acceptance.			
16.	Double Sided Aluminium ladder			
	guard/ chain brake; Instructions and manual in			
	English/ Nepali language; at least one year of			
	warranty from the date of acceptance.			
	Light weight, double sided easy access with anti slip			
	steps; Minimum of 170kg capacity ; Folding type with			
	platform for fruit harvesting, locking mechanism to			
	prevent accidental folding; height approximately 4.5 ft			
	or above.			

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