



नेपाल सरकार
कृषि तथा पशुपालन विभाग मन्त्रालय
प्रधानमन्त्री कृषि आधुनिकीकरण परियोजना
परियोजना कार्यान्वयन एकाइ काठमाडौं


अ.व. २०८०/८१ को जोन/सुपरजोन क्षेत्रमा कृषि यन्त्रीकरण परियोजना कार्यान्वयन एकाइ काठमाडौंको लागि कायम भएको न्यूनतम दररेट विवरण

Technical Specification of Farm Machinery and Equipments					
S.N.	Name of Implements With Description	Technical Specification	Unit	प्राप्त हुन आएको न्यूनतम दररेट (रु.)	कैफियत
1	Super Seeder		Set	465000	
	Make and Model (Brand)	Any			
	Country of manufacturer	Any			
	Type	Zero till seed drill(Wheat, lentil etc)			
	Power source	55 hp and above tractor			
	Material	Stainless steel/mild steel			
	Hitching System	3 point linkage			
	Gear box rpm	540/1000 rpm			
	Number of tines	≥10			
	Row to row distance	Adjustable			
	working width	above 2050mm			
	working depth	100-150mm			
	Type of blade	LJF or J/F type with Bronze steel blades			
	Number of blades	48-54			
	Thickness of blades	7-8 mm			
	Seed and fertilizer mechanism	Alluminium fluted roller type			
	Side drive	Gear Drive, Levelling roller/ pressing roller			
Machine Weight:	above 800 kg.				
Certification	Respective country verified certification				
Warranty	Manufacturer shall provide warranty for at least one year for manufacturing defects				
2	Weighing Machine		Set	8500 (50 kg capacity) 12000 (100 kg capacity) 15000 (200 kg capacity) 25000 (500 kg capacity)	
	Name	Any			
	Model	Any			
	Country of manufacturer	Any			
	Type	Electronic Weighing Machine			
	Display Type	Digital			
	Material	Mild Steel/stainless steel			
	Weighing Capacity	50kg, 100kg, 200kg and 500kg			
	Battery Backup	70-80hrs.			
	Size	Suitable according to capacity			
	Accuracy	± 10gm			
	Directly Plug	220V/50 Hz, single phase			
Platform size	standard dimension according to weighing capacity				
Warranty	1 year				
3	Self Propelled Reaper		Set	165000	
	Make, Model and Brand	Any			
	Type	Self propelled			
	Power	6 hp or more.			
	Engine:	4- stroke single cylinder, Diesel Engine			
	Rated speed	3600 rpm			
	Cooling system:	water coolant Radiator type			
	Cutting width:	1.2 meters			
	Cutting height:	Adjustable (5-40 cm)			
	Type of cutting unit:	Cutter bar with serrated V-shaped Blade			
	Conveyor:	Chain type (2 in numbers)			
	Warranty	Manufacturer shall provide warranty for at least one year for manufacturing defects			
Catalogue/manual	operation manual should submit				

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Name of Implements With Description	Technical Specification	Unit	प्राप्त हुन आएको न्युनतम दररेट (रु.)	कैफियत
4 Rotavator				
Make and Model	Any			
Type	Tractor PTO operated Rotavator			
Power source	45 to 60 above			
Hitching System	Three point linkage, CAT-I/CAT-II			
Total width (mm)	2130mm-2400mm			
Working width (mm)	Minimum 1800-2100 mm			
Type of blade	LJF, JF or J/F type blade			
Thickness of blade (mm)	7-8 (min.)			
No. of Blades	54 to 72			
Distance between consecutive flanges(mm)	200-242 (depending upon type and shape of blade)	Set	180000	
Total number of flanges	Not less than 8			
Number of blades per flange	6 to 9			
Diameter of rotor shaft (mm):	85-90			
Rotor diameter (including flange and blade mounted on flange, mm)	440-460			
Revolution of rotor shaft (rpm)	180-240 (Single speed/ Multi Speed Variants)			
Side Drive	Gear drive/Chain drive variants			
Depth control mechanism	Arc shape skid on both side of rotavator			
Warranty	At least 1 year			
5 Gyrovator				
Type	Rotary tillage			
Tactor power range required	45 to 60 above			
Overall Width mm	2130 to 2400mm			
Working width mm	1850 to 2050			
Weight (kg)	±400 kg			
Gear Box	Multispeed			
Side Transmission	Gear Drive	Set	180000	
Type of Blade	LJF, JF or J/F type blade			
Number of Blade	54 to 72			
Depth control mechanism	Arc shape skid on both side of rotavator			
Diameter of rotor shaft (mm):	85-90			
Rotor diameter (including flange and blade mounted on flange, mm)	440-460			
Warranty	1 year on manufacturing defects			
6 1 HP 2 Paddle Wheel Aerator	type: surface floating, motor: 1 hp Single phase, CED (Cathodic Electro Deposition) coating with H class insulation; Gear Box: Bevel-Helical type, Cast Iron Body with CED coating; <u>Impeller</u> , Floats, Cover and <u>Tripod</u> : Virgin PP/HDPE with UV; Impeller Speed: 1000 RPM; Movable joint, Shaft, Frame and Bolt kit: SS-304; Synthetic Gear Box Oil; Oxygen transfer rate: 1.2kg/hr to 1.5kg/h	Set	61000	
7 2HP 4 Paddle wheel aerator	type: surface floating, motor: 2 hp Single phase, CED (Cathodic Electro Deposition) coating with H class insulation; Gear Box: Bevel-Helical type, Cast Iron Body with CED coating; <u>Impeller</u> , Floats, Cover and <u>Tripod</u> : Virgin PP/HDPE with UV; Impeller Speed: 1440RPM; Movable joint, Shaft, Frame and Bolt kit: SS-304; Synthetic Gear Box Oil; Oxygen transfer rate: 2.2 kg/h to 2.5kg/h	Set	71000	

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Name of Implements With Description	Technical Specification	Unit	प्राप्त हुन आएको न्युनतम दररेट (रु.)	कैफियत			
							
8 Pellet Making Machine							
Make, Model and Brand	Any	Set	55000				
Country of manufacturer	Any						
Product Type	sinking type						
Motor Type	single/three Phase Motor						
Power	2 Hp or above Heavy Duty Motor						
Rated Power voltage	220 V-440 V						
Output Capacity	≥50 kg per hr						
Rated Speed	1440-3600						
Die and Roller Size	150mm-160 mm						
Pellet Size	4mm-6 mm						
Certification	Respective country verified certification						
Warranty	Manufacturer shall provide warranty for at least one year for manufacturing defects						
9 Offset Disc Harrow							
Name	Any				Set	65000	
Model	Any						
Country of manufacturer	Any						
Power required	above 35 hp						
Hitching System	3 point linkage						
Frame (mm)	Front channel 100*50 & 75*10 angle						
Type of Disc / Blade :	Notched disc in front gang & Plain disc in rear gang (Boron & High Carbon Steel)						
No. of Disc	>=12						
Gang Bolt/Axle type	31.5 (solid square rod)						
Disc diameter	560 mm						
Width of cut (mm)	more than 1300 mm						
Disc spacing	225-230 mm						
Bearing hubs	at least 4						
Working depth	at least 150mm						
Warranty	1 year manufacturing defects						
10 Straw Reaper							
Make and model	Any	Set	560000				
Power Sources	Tractor 45 hp above						
PTO drive shaft	Universal telescopic shaft						
Reel	Spring tynes bar pick up reels						
Diameter of reel MM	450 to 590 without spikes						
Width of reel MM	1980 to 2030						
Cutter bar width MM	min of 1800						
cutter bar blade	Serrated						
Feed Auger	Screw/ helical						
Beater	Pentagonal						
Bruising drum	scerrated blades mounted on a cylinders						
Diameter of drum	490mm (min)						
No of blades	240 pics(min)						
Speed of Drum	750 to 1000rpm						
Concave	perforated						
Cleaning Sieve	Reciprocating						
Grain Reservoir	Rectangle						
Straw Blower	Two or three blower per machine						
Straw outlet	MS curved cylinder						

Technical Specification of Farm Machinery and Implements			Unit	प्राप्त हुन आएको न्युनतम दररेट (रु.)	कैफियत				
S.N.	Name of Implements With Description	Technical Specification							
11	Disc Ridger		Set						
	Make and model	Any							
	Country of manufacturer	Any							
	Power required of tractor	45 Hp and above							
	Hitching mechanism	Tractor drawn Ridger, 3 point linkage							
	Axle type	Spindle							
	No.s of disc	2							
	Frame size (mm)	Not less than 72*72*6 Box And 75*40*6 Channel							
	Type of disc	Plain							
	Disc diameter	Not less than 600*6							
	Maximum width b/w ridge	Around 300 mm							
	Weight	Not less than 200 kg							
	Height of ridge	>=300 mm							
	Bearing hubs	at least 2							
	Row spacing	adjustable 610 to1000 mm							
Capacity	2 to 4 ha /day								
Warranty	1 year manufacturing defects								
12	Ridger (Furrow)		Set						
	Make, Model and Brand	Any							
	Country of manufacturer	Any							
	Type	Tractor Driven and 3-points hitch assembly							
	Length (mm)	900-2200							
	Width(mm)	500-2200							
	Height (mm)	800-1300							
	Wingspan Adjustment (mm)	280-550							
	Number of base	5							
	Row spacing	Adjustable (590 - 880)							
	Power Required	45 Hp and above							
	Certification	ISO certified							
	Warranty	1 years of manufacturing defects							
	13	Trolley (Trolley of tractor)					Set	315000	
		Make and model				Any			
Country of manufacturer		Any							
Types		2 wheel plain /hydraulic tractor trolley							
Capacity		4 tonne							
Body Size (feet)		nearly equal to or standard size of (10' x 6' x 2') or (10'x6'x1.75')							
Body construction material		MS sheet of more than 3.4 mm thickness all side open type on hinges except front one and ms sheet of 6 mm thick in floor painted and all the necessary assembly of chasis tyres and wheel							
Disc		Double plate							
Tire Size		10.00 *20							
Flooring		>=6mm Iron sheet							
Warranty		1 year manufacturing defects							
14		Cultivator(Ridge Type)		Set	35000				
		Make and model	Any						
		Type	Ridge type tractor mount						
		Source of power	Tractor						
	length	850 mm							
	width	2000mm							
	height	1010 mm							
	No of tine	9							
	Working Width	2100 -3000mm							
	Under Frame clearance	470 mm							
	Capacity Ha/h	0.35 to 0.5							
	Type of Shovels	Reversible shoe							
	Diameter of spring wire	no							
	No of coil in spring	no							
	No of spring per tine	no							
Warranty	1 year manufacturing defects								



Technical Specification of Farm Machinery and Equipments					
S.N.	Name of Implements With Description	Technical Specification	Unit	प्राप्त हुन आएको न्यूनतम दररेट (रु.)	कैफियत
17	2WD Tractor				
	Make, Model and Brand	Any			
	Type	above 55 hp 2wd power			
	Engine capacity(cc)	2900 to 3700			
	Hydrauli lifting Capacity Kg	1500 to 2200			
	Clutch type	Dual Clutch			
	Engine Cylinder	3 or 4			
	Rated Engine RPM	1800 to 2300			
	Gear Type	Constant Mesh / Syncromesh			
	Gear Location	Side Shifting	Set	1470000	
	Gear Speed	8 forward and 2 Reverse (high & low)			
	PTO RPM	MRPTO			
	Steering	Power Steering			
	Break	Multiplate oil Immersed Disc Brake			
	Front tyre	6.0*16			
	Rear Tyre	14.9 *28			
	Cooling	Water and Coolent			
	Air Filter	Dry type			
	Warranty	1 year manufacturing defects			



Technical Specification of Farm Machinery and Equipments

S.N.	Name of Implements With Description	Technical Specification	Unit	प्राप्त हुन आएको न्युनतम दररेट (रु.)	कैफियत
15	Cultivator(Spring loaded)		Set	40000	
	Make and model	Any			
	Type	spring loaded			
	Source of power	tractor			
	length	1960-3000 mm			
	width	970 - 1560 mm			
	height	1070-1350 mm			
	No of tine	9 to 13			
	Working Width	2100 -3000 mm			
	Under Frame clearance	450 -550 mm			
	Capacity Ha/h	0.35 to 0.5			
	Type of Shovels	Reversible shoe			
	Diameter of spring wire	9.5 mm			
	No of coil in spring	28			
No of spring per tine	2				
Warranty	1 year manufacturing defects				
16	4WD Tractor		Set	1870000	
	Make and model	Any			
	Type	above 55 hp 4wd power			
	Engine capacity(cc)	2900 to 3700			
	Hydrauli lifting Capacity Kg	1800 to 2200			
	Clutch type	Dual Clutch			
	Engine Cylinder	3 or 4			
	Rated Engine RPM	1800 to 2300			
	Gear Type	Constant Mesh /Syncromesh			
	GearLocation	Side Shifting			
	Gear Speed	8 forward and 2 Reverse (high & low)			
	PTO RPM	MRPTO			
	Steering	Power steering			
	Break	Multiplate oil Immersed Disc Brake			
	Front tyre	7.5*16			
	Rear Tyre	16.9*28			
	Cooling	Water and Coolent			
Air Filter	Dry type				
Warranty	1 year manufacturing defects				

Technical Specification of Farm Machinery and Equipments

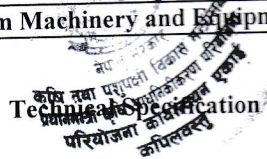
S.N.	Name of Implements With Description	Technical Specification	Unit	प्राप्त हुन आपको न्युनतम दररेट (रु.)	कैफियत																										
18	Combine Mill/ Mini- sheller mill	<table border="1"> <tr><td>Make, Model and Brand</td><td>Any</td></tr> <tr><td>Product Type</td><td>Rice cum flour mill</td></tr> <tr><td>Rated power</td><td>3 hp</td></tr> <tr><td>Voltage</td><td>220 v, single phase</td></tr> <tr><td>Motor rpm speed</td><td>2800 rpm</td></tr> <tr><td>Rotation type</td><td>forward and reverse rotation</td></tr> <tr><td>Cuter material</td><td>stone</td></tr> <tr><td>Grinding wheel size</td><td>14 inch</td></tr> <tr><td>Bit size</td><td>3.5 inch</td></tr> <tr><td>Product output capacity</td><td>150-170 kg rice milling, 40-45 kg wheat milling</td></tr> <tr><td>Electric consumption</td><td><=2.5 unit/hr</td></tr> <tr><td>Certification</td><td>ISO certified</td></tr> <tr><td>Warranty</td><td>1 year manufacturing defects</td></tr> </table>	Make, Model and Brand	Any	Product Type	Rice cum flour mill	Rated power	3 hp	Voltage	220 v, single phase	Motor rpm speed	2800 rpm	Rotation type	forward and reverse rotation	Cuter material	stone	Grinding wheel size	14 inch	Bit size	3.5 inch	Product output capacity	150-170 kg rice milling, 40-45 kg wheat milling	Electric consumption	<=2.5 unit/hr	Certification	ISO certified	Warranty	1 year manufacturing defects	Set	42000	
Make, Model and Brand	Any																														
Product Type	Rice cum flour mill																														
Rated power	3 hp																														
Voltage	220 v, single phase																														
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Rotation type	forward and reverse rotation																														
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19	Corn Sheller	<table border="1"> <tr><td>Make, Model and Brand</td><td>Any</td></tr> <tr><td>Country of manufacturer</td><td>Any</td></tr> <tr><td>Rated Power</td><td>3 hp- 4hp</td></tr> <tr><td>Engine type</td><td>Single phase, 220-240 V & 50Hz</td></tr> <tr><td>Construction material</td><td>Stainless steel</td></tr> <tr><td>Motor rpm speed</td><td>1400-1600 rpm</td></tr> <tr><td>Output Capacity</td><td>>=1.5 ton/hr</td></tr> <tr><td>tooth spacing</td><td>20mm</td></tr> <tr><td>Certification</td><td>ISO certified</td></tr> <tr><td>Warranty</td><td>1 year manufacturing defects</td></tr> </table>	Make, Model and Brand	Any	Country of manufacturer	Any	Rated Power	3 hp- 4hp	Engine type	Single phase, 220-240 V & 50Hz	Construction material	Stainless steel	Motor rpm speed	1400-1600 rpm	Output Capacity	>=1.5 ton/hr	tooth spacing	20mm	Certification	ISO certified	Warranty	1 year manufacturing defects	set	33000							
Make, Model and Brand	Any																														
Country of manufacturer	Any																														
Rated Power	3 hp- 4hp																														
Engine type	Single phase, 220-240 V & 50Hz																														
Construction material	Stainless steel																														
Motor rpm speed	1400-1600 rpm																														
Output Capacity	>=1.5 ton/hr																														
tooth spacing	20mm																														
Certification	ISO certified																														
Warranty	1 year manufacturing defects																														

Technical Specification of Farm Machinery and Equipments



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20 Corn sheller				
Make/Brand	Any		13500	
Model	Any			
Country of origin	Any			
Machine raw material	Mild steel			
Motor	1 hp (0.75 Kw) electric motor			
Rated voltage	220v			
Power Transmission system	Belt type			
Threshing Rate	not less than 75 Kg/hr			
Suitability	Corn			
Warranty	1 year manufacturing defects			
21 Mini Weeder				
Make, Model and Brand	Any		31000	
Country of manufacturer	Any			
Rated Power	1.5-3HP			
Engine type	2 stroke Petrol Engine/air cooled			
Type of Start	Recoil (Manual Start)			
Tilling Width and depth	11"-16" and 4"-7"			
Cutting Capacity	Any			
No. of Gears	1(forward) and above			
Grade Type	Semi Automatic			
Fuel Tank Capacity	>=1.2 ltr			
Warranty	1 years of manufacturing defects			
22 Weeder				
Make, Model and Brand	Any		26000	
Country of manufacturer	Any			
Power Source	Gasoline			
Traction Type	Hanging			
Arbor Configuration	Horizontal Axis			
Weeding Width	30-40cm			
Tilling Width	20-40cm			
Rated Power	>=1.9kw/2.5Hp			

Technical Specification of Farm Machinery and Equipments



Name of Implements With Description		Unit	प्राप्त हुन आएको न्यूनतम दररेट (रु.)	कैफियत
Wooding Depth	5-15cm			
Tilling depth	8-18cm			
Start System	Recoil (Manual Start)			
Working Shaft	Splitting Type			
Brush Cutter Head	Nylon cutter			
Warranty	1 years of manufacturing defects			
23 Paddy thresher				
Make and model	Any			
Type	Spike tooth paddy thresher			
Threshing unit Diameter	543mm			
Threshing unit length	1800mm			
Concave type	semi cylindrical			
Concave length	1430 mm			
Sieve type	Oscillating			
Sieve number	2			
Blower Diameter	623 mm			
Blower Fan and Blades	Centrifugal Types fan and 4 blades			
Overall Dimension (L*W*H)mm	>= 4175*1957*1890			
Output Capacity	1.25Ton /hr			
Warranty	1 year manufacturing defects			
		Set	375000	
24 Multi Crop Thresher				
Make,Model and Brand	Any			
Power required of tractor	35HP or above			
Automation Grade	Automatic			
Threshing Capacity (input capacity)	2000 kg/hr and above			
Output	1200 kgs of grain per hour and above			
Threshing drum diameter	900 mm and above			
Threshing drum length	750 and above			
No. of Cutting blades	3 and above			
Sheet Thickness (Curved part)	>= 3.2mm			
Sheet Thickness (Side walls)	>= 2.8mm			
load wheel	140 kg and above			
Speed of Suction Blowers	650 RPM and above			
No. of Cleaning blower	1 (With air Flow adjustment)			
Crop Feeding mode	Feeding Chute with Conveyor Belt Feeding hopper (Shaft Fitted)			
Main Shaft Diameter	70 mm and above			
No. of Transmission Joints	4			
Overall Dimension (L*W*H)mm	4800*1750*2000 mm and above			
		Set	450000	
25 Wheat Thresher				
Make,Model and Brand	Any			
Type	Tractor PTO operated			
Features	Suitable for wheat.			
Power Required	Tractors above 35 Hp			
Capacity	≥1000 kg/hr			
Threshing efficiency	≥ 95 percentage			
Cleaning efficiency	>=95 percentage			
size	>=30 x 36			

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Crop Feeding	Direct hopper type/chute type or conveyor belt type			
Threshing cylinder or Drum	rasp-bar or spike tooth cylinder with suitable number of blades.			
PTO input speed	540 rpm	Set	350000	
Maximum Rpm	700-800 rpm			
No.of sieves	at least 2			
No. of fans	≥ 2			
Duct	minimum two; primary duct for removing major portion of straw dust, other foreign matter and secondary for final cleaning.			
Standard Accessories	PTO shaft, Tool box, Grease gun			
Gear box type	two joints			
Overall weight	≥1150 kg			
Transportation wheel	2 no.s of pneumatic/nylon type tyre			
Certification	Respective country's certification and test report are compulsory			
Color	Standard			
Warranty	Manufacturer shall provide warranty for at least one year for manufacturing defects			
26	Rain Gun			
Make,Model and Brand	Any			
Size	2.2 inch and above			
Material	Aluminium and Brass Core			
Pressure	3 bar and above	Set	25000	
Radius	25-40m			
Flow rate	25-40m ³ /h			
Accessories	Tripod Stand			
Warranty	1 years of manufacturing defects			
27	Pit Digger			
Name	Any			
Model	Any			
Rated Power	3 HP and above			
Engine	2 stroke air cooled petrol engine			
Speed	280 RPM and above			
Weight of machine	10kg and above	Set	26000	
Auger Bit Size	6 inch or above			
Tools set	Needed			
Proven Performance	The Pit Digger Offered must be current model manufacture for at least a 1 years			
Warranty	At least 1 year warranty after acceptance			
Catalogue/manual	Operation manual should submit			
28	Tractor operated Rice mill Plant			
Name	N/A			
Model	N/A			
Required power	45 Hp and above			
Capacity of Milling Kg/hr	Not less than 800 kg/hr			
Overall Dimension (L*W*H)	Not less than (15*6*11)ft			
Mill system includes	Double DMR,Double polisher,Elevator,Destoner and Cyclone and Rice Cleaner	Set	570000	
Tools set	Needed			
Proven Performance	The tractor operated rice mill offered must be current model manufacture for at last 1 years			
Warranty	At least 1 year warranty after acceptance			
Catalogue/manual	Operation manual should submit			

Technical Specification of Farm Machinery and Equipments

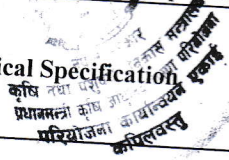


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Make, Model and Brand	Any			
Country of manufacturer	Any			
Power source	Gasoline			
Displacements(cc/cu.in)	≥ 28/1.7		23500	
Engine Power (kW/bhp)	≥ 1.2/1.6	Set		
Powerhead Weight (kg)	Not less than 2.67			
Chain Oil Capacity	Not less than 100ml			
Certification	ISO certified			
Warranty	1 years of manufacturing defects			
30	Battery cum Manual Knapsack Sprayer			
Make, Model and Brand	Any			
Country of manufacturer	Any			
Type	Battery operated cum manual back pack(Knapsack) (Two in one)			
Material Tank	HDPE (Plastic)			
Tank Volume	18 Liters above			
Pump	Poly propylene Knapsack and Submersible pump			
Nozzle	Plastic or Metal			
No of Nozzle	3 Type	Set	4500	
Nozzle types	Conical, Sectorial, Four Hole Nozzle.			
Battery	12 v 12Ah Lithium Battery with Charger			
No of piston in pump	1 for manual operations			
Pressure and Flow	0.10 -0.85MPA (3.6 LPM to 4.5 LPM) (100psi to 110 Psi)			
Warranty	1 year			
Catalogue/manual	operation manual should submit			

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Name of Implements With Description	Technical Specification	Unit	प्राप्त हुन आएको न्युनतम दररेट (र.)	कैफियत
31 Power Spray				
Make, Model and Brand	Any	Set	61000	
Type	Back Pack			
Engine	4 stroke, 5.5 hp petrol engine			
Engine RPM	3600 with load			
Pump Type	Diaphragm or equivalent			
Displacement	75 cm ³ or above			
Suction volume	13.5 to 20 lit/hr			
working pressure	0 - 40 kg/cm ³			
Hose Pipe	100 mtr(8.5 mm 5 layers) with joints			
Suction Hose pipe	5 meters or above			
Sprayer Gun with 3 Types of Nozzels	Hollow, Flats and Normal			
Proven Performance	The power Spray 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.			
32 5 Hp Mini Tiller				
Make, Model and Brand	Any	Set	58000	
Country of manufacturer	Any			
Engine Type	4 stroke Diesel Engine			
Cylinder	Single Cylinder Air cooled			
Horse power (output)	5hp above (± 3.4 Kw)			
Displacements	± 0.245 L			
Rated RPM	3600			
Bore * stroke	±73*59			
Engine oil	1 litres (10w30) above			
Weight	Not less than 112 kg			
Transmission And Speed	3(2 Forward and 1 Reverse) Combination of constant and sliding Mesh gear			
PTO drive	Optional			
Tilling depth	100mm above			
Tilling width	900 mm above			
No of rotary blades	Not Less than 24 Blades			
Start	Recoiling Manual Start			
Tools set	Needed			
Warranty	1 year			
Catalogue/manual	Operation manual should submit			
33 6 to 7 Hp Mini Tiller				
Make, Model and Brand	Any	Set	65000	
Country of manufacturer	Any			
Horse power (output)	± 6 hp above (± 4.4 Kw)			
Displacements	± 0.300 L			
Rated RPM	3600			
Bore * stroke	±78*62			
Engine oil	2.5 litres (15w40) above			
Weight	Not less than 125 kg			
Transmission And Speed	3(2 Forward and 1 Reverse) Combination of constant and sliding Mesh gear			
PTO drive	Optional			
Tilling depth	100mm above			
Tilling width	1000 above			

Technical Specification of Farm Machinery and Equipments



Name of Implements With Description	Technical Specification	Unit	प्राप्त हुन आएको न्युनतम दररेट (रु.)	कैफियत
Start	Recoiling Manual Start			
Tools set	Needed			
Warranty	1 year			
Catalogue/manual	Operation manual should submit			
34 9 Hp Mini Tiller				
Make, Model and Brand	Any	Set	75000	
Country of manufacturer	Any			
Engine Type	4 stroke Diesel Engine			
Cylinder	Single Cylinder Air cooled			
Horse power (output)	± 9 hp above (± 6.3 Kw)			
Displacements	± 0.310 L			
Rated RPM	3600			
Bore * stroke	±86*72			
Engine oil	2.5 litres (15w40) above			
Weight	Not less than 135 kg			
Transmission And Speed	3(2 Forward and 1 Reverse) Combination of constant and sliding Mesh gear			
PTO drive	Optional			
Tilling depth	100mm above			
Tilling width	1050 above			
No of rotary blades	Not Less than 32 Blades			
Start	Recoiling Manual Start			
Tools set	Needed			
Warranty	1 year			
Catalogue/manual	Operation manual should submit			
35 Mini tiller Reaper (attachment)				
Model	Any		60000	
Power	Mini tiller 7 HP to 9 Hp			
Capacity	±2 Acre/ Hr			
Cutting Width	1000 mm			
Minimum Stubble Height	>=25 mm			
Crops	Rice and wheat			
Crop Divider	3 with star wheels			
Operation	Belt and pulley of minitiller			
Warranty	1 year			
Catalogue/manual	operation manual should submit			

Technical Specification of Farm Machinery and Equipments



Name of Implements With Description		Unit	प्राप्त हुन आएको न्युनतम दररेट (र.)	कैफियत
36	18 Hp Powertiller	Set	205000	
Name	N/A			
Model	N/A			
Type	Single axle, dual purpose for both traction			
Engine type	Horizontal, 4-stroke single cylinder, Diesel engine			
Power	18hp(13 Kw Above)			
Engine speed	2200 rpm			
Bore x stroke	105mm x 115mm			
Cooling System	Radiator			
Wheel track	>=640mm			
minimum ground clearance	±185mm			
min turning radius	±900mm			
Specific fuel consumption(g/kwh)	258			
Clutch	Manual separation gear dry type			
Tillage Width	±1000 mm			
No of Rotary Blades	28			
Starting model	Hand-crank or Power-start or Recoiling start			
Fuel Tank:	12 litre or above			
Tools set	needed			
Warranty	At least 1 year warranty after acceptance.			
Catalogue/manual	Operation manual should submit.			
37	20 Hp Powertiller			
Name	N/A			
Model	N/A			
Type	Single axle, dual purpose for both traction			
Engine type	Horizontal, 4-stroke single cylinder, Diesel engine			
Power	20 Hp (14Kw Above)			
Engine speed	2200 rpm			

Technical Specification of Farm Machinery and Equipments

S.N.	Name of Implements With Description	Technical Specification	Unit	प्राप्त हुन आएको न्युनतम दररेट (रु.)	कैफियत
	Bore x stroke	105mm x 115mm	Set	215000	
	Cooling System	Radiator			
	Wheel track	>=640mm			
	minimum ground clearance	±185mm			
	min turning radius	±900mm			
	Specific fuel consumption(g/kwhr)	258			
	Clutch	Manual separation gear dry type			
	Tillage Width	±1000 mm			
	No of Rotary Blades	28			
	Starting model	Hand-crank or Power-start or Recoiling start			
	Fuel Tank:	12 litre or above			
	Tools set	needed			
	Warranty	At least 1 year warranty after acceptance.			
	Catalogue/manual	Operation manual should submit.			
38	22 Hp Powertiller		Set	225000	
	Name	Any			
	Model	Any			
	Type	Single axle, dual purpose for both traction			
	Engine type	Horizontal, 4-stroke single cylinder, Diesel engine			
	Power	22 Hp (16 Kw Above)			
	Engine speed	2200 rpm			
	Bore x stroke	105mm x 115mm			
	Cooling System	Radiator			
	Wheel track	>=640mm			
	minimum ground clearance	±185mm			
	min turning radius	±900mm			
	Specific fuel consumption(g/kwhr)	258			
	Clutch	Manual separation gear dry type			
	Tillage Width	±1000 mm			
	No of Rotary Blades	28			
	Starting model	Hand-crank or Power-start or Recoiling start			
	Fuel Tank:	12 litre or above			
	Tools set	needed			
	Warranty	At least 1 year warranty after acceptance.			
	Catalogue/manual	Operation manual should submit.			
39	Powertiller operated Reaper		Set	60000	
	Make,Model and Brand	Any			
	Type	Powertiller operated			
	Power	15 hp above powertiller			
	Cutting width:	1.2 meters			
	Cutting height:	Adjustable (5-40 cm)			
	Type of cutting unit:	Cutter bar with serrated V-shaped Blade			
	Conveyor:	Belt type			
	Warranty	Manufacturer shall provide warranty for at least one year for manufacturing defects			
	Catalogue/manual	operation manual should submit			
40	Powder crusher machine/Disc Mill	Rated rotary speed: 2600-5000 rpm, rated power: >=2 hp, electricity power required: single phase, 50 Hz, 220V, capacity>=40-50 kg/hr.		31000	

Technical Specification of Farm Machinery and Equipments

S.N.	Name of Implements With Description	Technical Specification	Unit	प्राप्त हुन आएको न्युनतम दररेट (र.)	कैफियत
41	Power Mixture Machine	Output capacity: ≥ 50 kg per hour, mixing time: ≤ 15 minute, Electricity power required: single phase, 50Hz, & 220V, Drum capacity: ≥ 50 lts.		52000	

Suppliers responsibilities

Manufacturing company shall provide at least 1 year of warranty in case of manufacturing defect.

Necessary spare parts shall be supplied easily in demand of beneficiary.

General operation training of the machine shall be given to the purchaser.

Test report, lab certificate regarding machineries power with respected country verified certification must be included by the suppliers.