



Farm Machinery तथा Equipment को दररेट

S.N.	Required Specifications	Offered Specification by supplier	Unit	Quantity	Remarks
1	Self Propelled Reaper				
	Capacity:-6 To 8HP, Engine / fuel type:-Four stroke water cooled / Diesel			Set	1
	Minimum Cutting width:-1200mm (adjustable), Cutting depth:-≥ 45mm, mini. Reaper cultivation:- 4-line at a time, Teeth Space range (mm):-127, Diameter of Start Whee range :-280mm				
	Fuel consumption:-≤ 1 lit/hour, Productivity(M2/hour):- 2000 to 3000, Crank Speed(RPM):-500 to 550, PTO speed RPM:-≥3600 engine & 800 PTO transmission, Working Speed (Km/Hr):-4- 6.2, Mini. Gear facility system:-2 forward 1 reverse,Net/Gross Weight :-180 to 216 / 230 to 260 range				
	Total Price(Nrs.)				
	Total Price in word				
2	Weeder				
	Capacity Minimum (Rated Power):-≥ Minimum 0.9kW (1.2hp) 34CC, 7000r/min			Set	1
	Engine / fuel type Four stroke air cooled / Petrol, Fuel consumption:- ≤450 mg. kw/h				
	Fuel Tank Capacity:- ≥1l, Cutting Width range:-115mm, Net Weight:- ≤ 7.6kg				
	Attachment:weeding kit , mini. Blade Length:-200mm				
	Total Price(Nrs.)				
	Total Price in word				
3	Paddy Thresher (Tractor Drawn)				


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	<p>Axial flow type with mini 25 inch or more threshing drum, Mini.Threshing capacity 1500 kg/hr, mini. sieves-2, mini. dimension- 3500*1200*2000(L*B*H) feeding tray chute type, fitted with winnowing and auxiliary blowers and oscillating sieves for cleaning purpose.High cleaning efficiency. The complete thresher and accessories are fitted in main base frame with set of pneumatic wheel system. Power required 35 hp and above.</p>		Set	1	
	Total Price(Nrs.)				
	Total Price in word				
4	Rotavator (Tractor Drawn)				
	<p>Tractor drawn rotavator, multi speed and side transmission gear box, number of blades 48-54, overall working width 6-7 feet, matching tractor power is 45-60 hp.</p>		Set	1	
	Total Price(Nrs.)				
	Total Price in word				
5	Baler				
	<p>Application in Agriculture :paddy straw collecting/binding, power: 45 to 60 hp Tractor, Feeding:picker finger or applicable, Overall Mini. dimension:100*130*110 cm</p>		Set	1	
	Total Price(Nrs.)	<p style="text-align: right;">13/10/20</p>			
	Total Price in word	<p style="text-align: right;">नि० वरिष्ठ कृषि अधिकारी</p>			

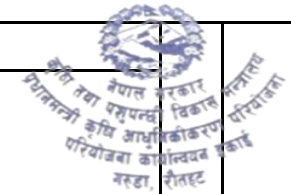
6	Combine Harvester		
	Model:Any		
	Type :Self propelled		
	Hp(Engine Power):Not less then 75 Hp		
	No. of cylinder , stroke:Minimum 3 , 4		
	Cleaner :air		
	Cooling system: Water or other specified		
	Over all Dimension		
	MinimumLength with trailer(MM):10800mm		
	Minimum Length without Trailer(mm):2500 mm		
	Minimum Height(MM):3450 mm		
	Front wheel		
	Minimum Track width:2075mm		
	Minimum Tyre Size :16.9-28 to18.4-30 (12PR)		
	Wheel Base Range :3500 mm to 3600mm		
	Rare Wheel		
	Track width:1660mm to 2010 mm		
	Tyre Size :16.9-28 to18.4-30 (12PR)		
	Cutter bar mechanism: specified Cutter bar width and Cutting range		
	Threshing mechanism:specified Threshing drum speed and Cleaning sieves		
	Electrical system:specified		
	Other features		
	Fuel tank: minimum 40 liter		
	Minimum Grain Tank Capacity in range:1200 kg		
	Type of Break:Hydraulic operated dry disc type		
	Type of Steering:Hydrostatic Double acting ram cylinder at rear axle for truning		
	Gear Type :Mechanical Combination of constant sliding meshquer gear		
	No.of Gear minimum:3 Forward and 1 Reverse with speed change		
	Minimum Ground clearance: 30cm		
	Cutting Bar Size :Minimum 3890		
	Attachment:Required all for meet C.H application propose		
	Total Price(Nrs.)		



Set 1

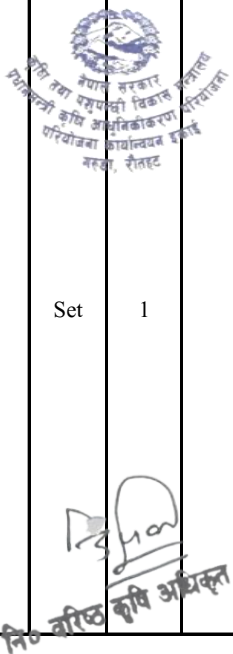
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	Total Price in word			
7	Straw reaper			
	Purpose: Cut, thresh and clean the straw in one operation, paddy/wheat straw left after combine harvester are cut by an oscillating blade while revolving reel push them back towards auger.			
	power source: 50 hp & above tractor			
	model: any	model:		
	No. of blower: min. 2			
	No. of tine bars: min. 4			
	Diameter of chaffer cylinder: min. 1200 mm			
	No. of tines : min. 20			
	Mass in kg: 1800 - 2200 kg			
	Over all Dimension: min. 3500*2200*1800 mm			
	Total Price(Nrs.)			
	Total Price in word			

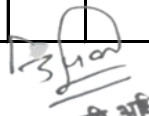





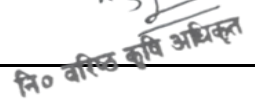
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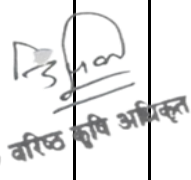
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S.N.	Name of Farm machinery & Equipments	Required Specifications	Offered Specification by supplier	Unit	Quantity	Remarks
8	Power Tiller (Self Start)	Power tiller of Minimum 20 hp capacity , having 4 stroke diesel engine and radiator/hopper Colling system, Minimum ground clearance 185 mm. A set of rotary Rotavator / cultivators attached having minimum of 24 blades and covering minimum of 800 -900 mm tilling,Gear and chain system power transmission with manual shifting,Mini. numbers of gears - 1- reverse and 3-forward (both high low), max.fuel consumption is 1 to 1.5 lit/hr with 5lit. fuel tank,suitable for multipurpose farm work, Attachment:=1 rotavator, Anti-skid / cage wheel, hub connector set,Connector/ Special Joint for given power tiller with replicable fixing system suitable for puddling of soil. 1-year service warranty is required		Set	1	
Grand Total Price						
Price in Word						

9	Power Tiller (Hand Start)	Power tiller of Minimum 20 hp capacity , having 4 stroke diesel engine and radiator/hopper Colling system, Minimum ground clearance 185 mm. A set of rotary Rotavator / cultivators attached having minimum of 24 blades and covering minimum of 800 -900 mm tilling,Gear and chain system power transmission with manual shifting,Mini. numbers of gears - 1- reverse and 3-forward (both high low), max.fuel consumption is 1 to 1.5 lit/hr with 5lit. fuel tank,suitable for multipurpose farm work, Attachment:= 1 rotavator , Anti-skid / cage wheel, hub connector set,Connector/ Special Joint for given power tiller with replicable fixing system suitable for puddling of soil. 1-year service warranty is required					Set	1
	Grand Total Price							
	Price in Word							
10	Reaper (Power Tiller Drawn)	Power tiller mounted reaper with cutting width 1200 mm, cutting 4 lines and placing type - side wise. Matched power 12-22 hp pt. Supply with all set of fixing frame, cable and nut bolts and driving v belts.					Set	1
	Grand Total Price							
	Price in Word							


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11	Cultivator (Tractor Drawn)	Tractor drawn spring loaded cultivator, having heavy duty iron frame and shovels. Standard 3-point linkage system and minimum 9 numbers of tines minimum working width 60 inches required; matching tractor power required 40-55 hp.	
	Grand Total Price		
	Price in Word		
12	Leveler (Tractor Drawn)	Tractor drawn leveler suitable for two-way levelling with three-point linkage to mount on the tractor, cutting with minimum 1800 mm or longer and cutting blade thickness minimum 10 mm thick. Matching tractor power required 35 hp and above.	 Set 1
	Grand Total Price		
	Price in Word		
13	Mini Tiller with attached rotavator	<p>Minitiller of 9 hp with Self start, Diesel Engine Single Cylinder, Air Cooled, Four Stroke, Direct Injection, Dual Clutch,Knife Rotation Blade (mm):-Higher 160, Slower 115</p> <p>180cm Maximum Rotation Radius,Tilling Width & depth:- ≥ 1100mm & 100,Work Speed (M/S):-0.1 to 0.3, Fuel Consumption(Kg/H.sq.m):-≤ 30, Gear Drive & Recoil Hand Pull Start,Body Size (mm):-$\geq 1700*1070*990$</p>	 Set 1 
	Grand Total Price		
	Price in Word		

Price in Word			
18	3" Diesel Engine water pump (CDM)	Type:- Horizontal, single cylinder, 4Stroke, water cooled	 नेपाल सरकार प्रशासनिक विकास विभाग परियोजना कार्यान्वयन इकाई भरत, रौतहट
		Head range:- 6 to 8m, discharge:-8 to 11.5 lps	
		Cylinder Bore range :- 60 to 75 mm	
		Piton Stroke range (mm):-60 to 75	
		Rated Output HP (kw):-5 (4.31)	
		mini.Rated Speed(r/min):-2550	
		Lubricating Method: Splash lubrication	
		Starting method: Hand cranking	
		Mini. Overall dimention(mm):550*320*400	
		mini.Net Weight(kgs): 50	
Grand Total Price		Set	1
Price in Word			
		Brand/ Model: Any	 निरुद्ध कृषि अखिला
		mfg. Year /Country of Origin:Any	
		Engine	
		No of cylinder:Not less than 1	
		H.P:Not less than 15 and not more than 28	
		capacity C.C:833 - 1368	
		Engine rated RPM:minimum 2100	
		Air filter: dry type	
		Transmisson	
		Drive:2WD	
		Gear box/Type:sliding mesh	
		Transmission/No of gear:mini. 6 forward +mini. 2reverse	
		Brakes	
		Types of Acuration:Mechanical	
		Brake:Water sealed oil brake/oil immersed brake/ disc type pump/ parking brake /dry disc type	
		Steering	
		Type:- Horizontal, single cylinder, 4Stroke, water cooled	
Power take off			

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Tractor
(Small)


Type:- Horizontal, single cylinder, 4Stroke, water cooled	
P.T.O RPM:mini. 530+440 E	
Fuel tank	
Capacity :minimum 20 liter	
Dimension	
Overall height upto muffler :minimum 1200mm	
Overall length :minimum 2200mm	
Overall breadth:minimum 1050mm	
Ground clearance:minimum 200 mm	
Front Track:minimum 850 mm	
Rear Track:minimum 830	
Wheel base:minimum 1300 mm	
Hydraulic	
Stay bars:Anchor chain	
3Point linkage:yes	
Lift Rod:yes	
Lifting capacity:Minimum 700kg	
Tyre	
Front:minimum 5 x 14	
Back:minimum 7 x 18	
Wheel drive:4WD	
Accessories	
Tools set:yes	
Top link : yes	
Canopy(Hood) : yes	
Canopy holder : yes	
Hooks : yes	
Bumber : yes	
Drawbar : yes	
Adjustable sliding seat : yes	
Natural safty switch : yes	
Instrumentation : Hour and rpm meter , oil pressure gauge, etc	
Grand Total Price	
Price in Word	
class: any	
Range - Mini. 2200 meters in single line	
Input Voltage - mini. 10 V. DC	




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20	Solar Fence Energizer	Output Voltage - mini. 7.5 KV			 भारत सरकार कृषि तथा पशुधन विभाग परियोजना कार्यान्वयन इकाई बरवा, रायचूर	
		Input Current - Mini. 350 MA				
		Energy - Mini. 1.5 Joule				
		Pulse Interval in Range of 1-1.2 Sec				
		Pulse Duration - Max. 0.03 Sec				
		Charger				
		Input - 200 to 230				
		Out Current - Max 1.7 AMP				
		12 Voltage - DC				
		Out Voltage - Max. 14 V				
		Solar Panel: 40 to 60 Watt Solar Panel				
		Insulator Corner: Plastic Corner Insulator				
		Grand Total Price				
		Price in Word				
21	Indented Cylinder Seed Grader	model: any				
		capacity (TPH): min. 1.5				
		No. of cylinder: max. 2				
		Size of cylinders: min. 1050*400				
		Electric motor: min. 1				
		Uses: Additional separation or upgradation of seeds, grains, removing weed seeds, broken or cut ,round grains on length basis after size and sieve cleaning.				
		Grand Total Price				
Price in Word						
22	Disc plough	model: any				
		Frame: min. 70mm*5-6mm				
		Disc type: Plane				
		Disc diameter: min. 600mm* 4-5mm				
		No. od discs: min. 2				
		Disc spacing: 400 - 500 mm				
		Bearing hubs: min. 2 (Heavy Duty)				
		working depth: max. 450mm				
		working width: min. 1100mm				
		weight: 180- 220 kg				
		Tractor power capacity : Min. 35Hp				
		overall dimension : min. 1200*950*750 mm				
		Grand Total Price				


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		Price in Word	
23	Mulcher (Tractor Drawn)	Used in mulching by cutting the roots of the paddy and Keeping them above the field as mulch. Help to maintained the moisture of the field and Straw management etc.	
		model: any	
		working width:1200mm	
		Number of blade:30	
		power required:47-60hp	
		PTO in range : 540rpm	
		mini.Net weight: 550kg	
		Overall width: 1530 to 1870mm	
	Grand Total Price		
Price in Word			


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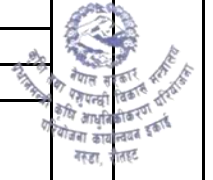
24. Tractor

Item	Particulars	Required Specifications	Specifications offer by supplier	Unit	Quantity	Remarks
Tractor	Brand/ Model			Set	1	
	Mfg. Year/Country of Origin:					
	Type	4 Stroke, DI , Diesel Engine				
	No. of Cylinder	Not less than 3				
	Rated RPM	1800-2400				
Engine	HP Category	Not less than 48HP				
	Displacement	At least 2700 CC				
	Cooling	Water Cooling/ coolant cooled				
	Fuel injection pump	Inline				
	Air Cleaner	Dry/Oil Bath Type Air Cleaner/ dual element				
	Cooling System	Water Cooled/ oil cooler for engine oil				
	Type	Heavy Duty Sliding /constant Mesh/ single dry plate type				
	Clutch	Dual Clutch/ wet clutch				
	Gear Box	At least 8 forward and 2 reverse				
	Transmission	Battery	At least 12 V 80 Ah			
Alternator		At least 12 V 40 A				
Starter motor		At least 12 V 2.5 KW				
Road Max. Forward Speed		Minimum 30 km/hr				
Road Max. Reverse speed		Minimum 13 km/hr				
Brake	Brake	Water Sealed Oil Brake/ disc type pump/ parking brake/ dry disc type/				
Steering	Type	Mechanical/Power Steering				
Fuel tank capacity	Fuel tank	Not less than 45 litres				
Power Take Off	Type	Power/manual				
	RPM	540 RPM				
	Total Weight	Not less than 1800 Kg				
Dimensions and Weight of Tractor	Wheel Base	At least 1900 mm				
	Ground Clearance	Not less than 400mm (at Rear Wheel)				
	Turning radius with brakes	Not greater than 3.5m				
	Lifting capacities	Minimum 1500 kgf (kilogram-force)				
Hydraulics	Linkage	3-point Linkage				
	Wheel Drive	2 Wheel Drive				
Wheels and Tyres	Front	Standard				
	Rear	Standard				
	Tools Set	Yes				
	Toplink	Yes				
	Canopy (Hood)	Yes				
Accessories	Canopy holder	Yes				
	Hooks	Yes				
	Bumper	Yes				
	Drawbar	Yes				
	Front Weight	Yes				



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	Multi speed and reverse speed(PTO)	Yes	
	Adjustable sliding seat	Yes	
	Neutral safety switch	Yes	
	One Set Cultivator	yes	
	Additional Features	Lessor land leveler connector, Mobile Charger, Asli Side Shift, Auxiliary Hydraulic	
	Instrumentation	Hour and rpm meter, oil pressure gauge, water temperature gauge, ammeter etc.	
Grand Total Price			
Price in Words			



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.

Tools:-A set of tools as required for general maintenance shall be supplied.

Warranty:-Manufacturer shall provide atleast one-year of warranty after acceptance, with Standard colour

Proven performance:-The suppliers/bidder shall provide the manufacturer's data of the performance

Initial Service:-The supplier shall provide all the necessary filters and spare parts required for the first two services, after the vehicle has been accepted.

Training:- For All farm machinery need 7 days Operator and General maintenance training farmers/operators.

Delivery:-The machinery should provide in Rautahat distic PMAMP.PIU Rautahat Zone area

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