

नेपाल सरकार

कृषि तथा पशुपन्छी विकास मन्त्रालय
प्रधानमन्त्री कृषि आधुनिकीकरण परियोजना
परियोजना कार्यान्वयन एकाइ, कपिलवस्तु
प्रस्ताव दरभाउ फारम



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1. संस्थाको नाम
2. संस्थाको ठेगाना
- सम्पर्क व्यक्तिको मोबाइल नं.
- ईमेल:
3. आधिकारिक व्यक्तिको नाम:
- पद:
- ईमेल:
4. संस्था रजिस्ट्रेशन नं.:
5. रजिस्ट्रेशन गर्ने कार्यालय:
6. फर्म दर्ता मिति:
7. PAN/VAT रजिस्ट्रेशन नं.:
8. व्यापारको किसिम/उद्देश्य:
9. उपलब्ध गराउन सक्ने सामग्रीको दरभाउ र अन्य विवरण प्रस्ट खुल्नु पर्नेछ ।
10. आपुतिको ताले Supplier's Specification मा मसिनरी औजारको विवरण अनिवार्य रुपमा भर्नु पर्ने छ ।

Technical Specification of Farm Machinery and Equipments

S.N.	Name of Implements With Description	Technical Specification	Supplier's specification (Mandatory to fill up otherwise not consider their quoted rate)	Unit	Per Unit Rate (In Figures)	Per Unit Rate (In Words)	Remarks
1	Super Seeder						
	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	LIF or J/F type with Bronze steel blades		Set			
	Number of blades	48-54					
	Thickness of blades	7-8 mm					
	Seed and fertilizer mechanism	Aluminium fluted roller type					
	Side drive	Gear Drive, Levelling roller/ pressing roller					
	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	Supplier's specification (Mandatory to fill up otherwise not consider their quoted rate)	Unit		
	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				
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	JF, 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)				
	Total number of flanges	Not less than 8		Set		
	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				
	Type of Blade	JF, JF or J/F type blade				
	Number of Blade	54 to 72		Set		
	Depth control mechanism	Arc shape skid on both side of rotavator				
	Diameter of rotor shaft (mm):	85-90				

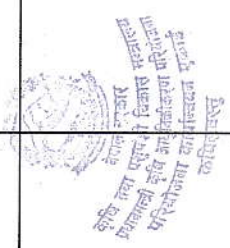


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District Office, D.D.P.
 Lohit, 21/02/2012

Technical Specification of Farm Machinery and Equipments							
S.N.	Name of Implements With Description	Technical Specification	Supplier's specification (Mandatory to fill up otherwise not consider their quoted rate)	Unit	Per Unit Rate (In Figures)	Per Unit Rate (inWords)	Remarks
	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	<p>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; Impeller, Floats, Cover and Tripod: 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</p>		Set			
7	2HP 4 Paddle wheel aerator	<p>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; 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: 2.2 kg/h to 2.5kg/h</p>		Set			
8	Pellet Making Machine						
	Make, Model and Brand	Any					
	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-160mm					
	Pellet Size	4mm-6 mm					
	Certification	Respective country verified certification					




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	Warranty	Manufacturer shall provide warranty for at least one year for manufacturing defects					
9	Offset Disc Harrow						
	Name	Any					
	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)		Set			
	No. of Disc	>=10					
	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					
	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		Set			
	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 output	MS curved cylinder					



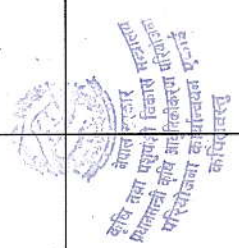
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Technical Specification of Farm Machinery and Equipments				Per Unit Rate (In Figures)	Per Unit Rate (inWords)	Remarks
S.N.	Name of Implements With Description	Technical Specification	Supplier's specification (Mandatory to fill up otherwise not consider their quoted rate)	Unit		
	Transport Wheel	Two ribbed tyres				
	Warranty	1 year manufacturing defects				
11	Disc Ridger					
	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				
	Type of disc	Channel		Set		
	Disc diameter	Plain				
	Maximum width b/w ridge	Not less than 600*6				
	Weight	Around 300 mm				
	Height of ridge	Not less than 200 kg				
	Bearing hubs	>=300 mm				
	Row spacing	at least 2				
	Capacity	adjustable 610 to1000 mm				
	Warranty	2 to 4 ha /day				
	Warranty	1 year manufacturing defects				
12	Ridger (Furrow)					
	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)					
	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')				



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	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		Set			
	Disc	Double plate					
	Tire Size	10.00 *20					
	Flooring	>=6mm Iron sheet					
	Warranty	1 year manufacturing defects					
	14 Cultivator(Ridge Type)						
	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		Set			
	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					
	15 Cultivator(Spring loaded)						
	Make and model	Any					
	Type	spring loaded tractor					
	Source of power	tractor					
	length	1960-3000 mm					
	width	970 - 1560 mm					
	height	1070-1350 mm					
	No of tine	9 to 13		Set			
	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					

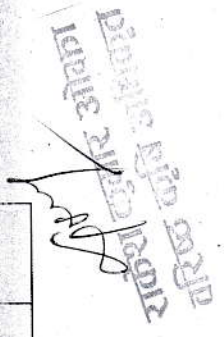


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S.N.	Name of Implements With Description	Technical Specification	Supplier's specification (Mandatory to fill up otherwise not consider their quoted rate)	Unit	Per Unit Rate (in Figures)	Per Unit Rate (in Words)	Remarks
16	4WD Tractor						
	Make and model	Any					
	Type	above 55 hp 4wd power					
	Engine capacity(cc)	2900 to 3700					
	Hydraulic 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 /Synchromesh					
	Gear Location	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 Coolant					
	Air Filter	Dry type					
	Warranty	1 year manufacturing defects					
17	2WD Tractor			Set			
	Make, Model and Brand	Any					
	Type	above 55 hp 2wd power					
	Engine capacity(cc)	2900 to 3700					
	Hydraulic 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 /Synchromesh					
	Gear Location	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	6.0*16					
	Rear Tyre	14.9*28					
	Cooling	Water and Coolant					
	Air Filter	Dry type					
	Warranty	1 year manufacturing defects					




 Director
 Punjab Agricultural University
 Ludhiana


 Er. Manish Thakur

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S.N.	Name of Implements with Description	Technical Specification	Supplier's specification (Mandatory to fill up otherwise not consider their quoted rate)	Unit	Per Unit Rate (In Figures)	Per Unit Rate (inWords)	Remarks
18	Combine Mill/ Mini- sheller mill						
	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					
	Cutter 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		Set			
	Electric consumption	<=2.5 unit/hr					
	Certification	ISO certified					
	Warranty	1 year manufacturing defects					
19	Corn Sheller						
	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					
20	Corn sheller						
	Make/Brand	Any					
	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					

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S.N.	Name of Implements With Description	Technical Specification	Supplier's specification (Mandatory to fill up otherwise not consider their quoted rate)	Unit	Per Unit Rate (in Figures)	Per Unit Rate (in Words)	Remarks
21	Mini Weeder						
	Make, Model and Brand	Any					
	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					
	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					
	Weeding 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					



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Technical Specification of Farm Machinery and Equipments							
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	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		Set			
	Size	2.2 inch and above					
	Material	Aluminium and Brass Core					
	Pressure	3 bar and above					
	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			
	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)ft	Not less than (15*6*11)					
	Mill system includes	Double DMR, Double polisher, Elevator, Destoner and Cyclone and Rice Cleaner		Set			
	Tools set	Needed					




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Technical Specification of Farm Machinery and Equipments							
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	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					
29	Chainsaw						
	Make,Model and Brand	Any					
	Country of manufacturer	Any					
	Power source	Gasoline					
	Displacements(cc/cu.in)	>= 28/1.7					
	Engine Power (kW/bhp)	>= 1.2/1.6					
	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					
	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					
31	Power Spray						
	Make,Model and Brand	Any					
	Type	Back Pack					
	Engine	4 stroke, 5.5 hp petrol engine					
	Engine RPM	3600 with load					
	Pump Type	Diaphragm or equivalent					
	Displacement	75 cm3 or above					
	Suction volume	13.5 to 20 lit/hr					
	working pressure	0 - 40 kg/cm3					
	Hose Pipe	100 mtr(8.5 mm 5 layers) with joints					


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File No. 2112/2012
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 2012

Technical Specification of Farm Machinery and Equipments

S.N.	Name of Implements With Description	Technical Specification	Supplier's specification (Mandatory to fill up otherwise not consider their quoted rate)	Unit	Per Unit Rate (in Figures)	Per Unit Rate (in Words)	Remarks
	Suction Hose pipe	5 meters or above					
	Sprayer Gun with 3 Types of Nozzels	Hollow, Flats and Normal The power Spray offered must be current model manufacture for at least 1 years.					
	Proven Performance	At least 1 year warranty after acceptance.					
	Warranty	Operation manual should submit.					
	Catalogue/manual						
	32.5 Hp Mini Tiller	Any					
	Make, Model and Brand	Any					
	Country of manufacturer	4 stroke Diesel Engine					
	Engine Type	Single Cylinder Air cooled					
	Cylinder	5hp above (± 3.4 Kw)					
	Horse power (output)	± 0.245 L					
	Displacements	3600					
	Rated RPM	± 73*59					
	Bore * stroke	1 litres (10w30) above					
	Engine oil	Not less than 112 kg					
	Weight	3(2 Forward and 1 Reverse) Combination of constant and sliding Mesh gear		Set			
	Transmission And Speed	Optional					
	PTO drive	100mm above					
	Tilling depth	900 mm above					
	Tilling width	Not Less than 24 Blades					
	No of rotary blades	Recolling Manual Start					
	Start	Needed					
	Tools set	1 year					
	Warranty	Operation manual should submit					
	Catalogue/manual						
	33.5 to 7 Hp Mini Tiller	Any					
	Make, Model and Brand	Any					
	Country of manufacturer	± 6 hp above (± 4.0 Kw)					
	Horse power (output)	± 0.296 L					
	Displacements	3600					
	Rated RPM	± 78*62					
	Bore * stroke	2.5 litres (15w40) above					
	Engine oil	Not less than 125 kg					
	Weight	3(2 Forward and 1 Reverse) Combination of constant and sliding Mesh gear		Set			
	Transmission And Speed	Optional					
	PTO drive	100mm above					
	Tilling depth	1000 above					
	Tilling width						

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 किसान विकास भवन
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 महाराष्ट्र

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Date: 21/01/2019
 10/01/2019

Technical Specification of Farm Machinery and Equipments							
S.N.	Name of Implements With Description	Technical Specification	Supplier's specification (Mandatory to fill up otherwise not consider their quoted rate)	Unit	Per Unit Rate (in Figures)	Per Unit Rate (in Words)	Remarks
	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					
34	9 Hp Mini Tiller						
	Make, Model and Brand	Any					
	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	± 0.406 L					
	Rated RPM	3600					
	Bore * stroke	± 86*72					
	Engine oil	2.5 litres (15w40) above					
	Weight	Not less than 135 kg		Set			
	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					
	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					

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 भारत सरकार
 कृषि एवं पशुधन विभाग
 भारतीय कृषि सर्वोद्योग परिषद
 भारतीय कृषि सर्वोद्योग परिषद

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Er. Manish Thakur
 NEC Reg. No. 203 Agriculture
 Category "A"

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Technical Specification of Farm Machinery and Equipments							
S.N.	Name of Implements With Description	Technical Specification	Supplier's specification (Mandatory to fill up otherwise not consider their quoted rate)	Unit	Per Unit Rate (In Figures)	Per Unit Rate (inWords)	Remarks
36	18 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	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/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.					
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					
	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					



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 Category "A"

Technical Specification of Farm Machinery and Equipments

S.N.	Name of Implements With Description	Technical Specification	Supplier's specification (Mandatory to fill up otherwise not consider their quoted rate)	Unit	Per Unit Rate (In Figures)	Per Unit Rate (inWords)	Remarks
	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						
	Name						
	Model	N/A					
	Type	Single axle, dual purpose for both traction Horizontal, 4-stroke single cylinder, Diesel engine					
	Engine type						
	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						
	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					




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Date: 21/03/2023
 Page No: 1/1

Technical Specification of Farm Machinery and Equipments							
S.N.	Name of Implements With Description	Technical Specification	Supplier's specification (Mandatory to fill up otherwise not consider their quoted rate)	Unit	Per Unit Rate (In Figures)	Per Unit Rate (inWords)	Remarks
	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.					
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.					
42	Agricultural Drone Sprayer						
	Type						
	Model						
	Tank Capacity	16Ltr					
	Speed	Not less than 10m/s					
	No of Nozzles	Not less than 8					
	Nozzle Deign	Y Shaped					
	Spraying Width	not less than 6 meters					
	Flying Range of GCS	Not Less than 1 Km GCS					
	Camera for Live video Streaming	Not less than 12 MP Fpv Camera					
	Battery	Not less than 22000 mAh LiPo					
	Over all folded size (L*B*H)	Not less than(630*660*490) mm					
	Carrying Capacity	Not less than 16 Kg					
	Warranty	Manufacturer shall provide warranty for at least one year for manufacturing defects					
	Catalogue/manual	operation manual should submit					
43	Mulcher						
	Type						
	Model						
	Power Required	45 Hp Above					
	No of Blades (Y Types)Gama	35 to 60					
	No of Blades (Straight)	18 - 20					
	No of Hammers	18-20					
	Side Transmission Type	4 Belts					
	Over all Length mm	2035 - 2220					
	Over all width mm	±1030					
	Over all Height mm	±1050					
	No. of Roller Hitch	1 three point linkage, CAT-1/CAT-II					
	Warranty	Manufacturer shall provide warranty for at least one year for manufacturing defects					
	Catalogue/manual	operation manual should submit					
44	Power Harrow						


 कृषि तथा सूप्यती विकास मंत्रालय
 प्रधानमंत्री कृषि आधुनिकरण विभाग
 सरकारी कार्यालय, बंगलूर
 कर्णाटक


 Date: 21/03/2023

डॉ. राजेंद्र प्रसाद शर्मा
 राज्य प्रमुख, कृषि विभाग
 कृषि विभाग, अजमेर

Technical Specification of Farm Machinery and Equipments							
S.N.	Name of Implements With Description	Technical Specification	Supplier's specification (Mandatory to fill up otherwise not consider their quoted rate)	Unit	Per Unit Rate (in Figures)	Per Unit Rate (in Words)	Remarks
	Type						
	Model						
	Over all Length mm	±1500					
	Over all width mm	±1120					
	Over all Height mm	±1210					
	Over all working width mm	±1000					
	Power Required	45 Hp above					
	No of Blades	±8					
	No of Rotor Flange	±4					
	Blade Size mm	285*12					
	Hitch	Three point linkage, CAT-I/CAT-II					
	Working depth mm	280					
	Warranty	Manufacturer shall provide warranty for at least one year for manufacturing defects					
	Catalogue/manual	operation manual should submit					
45	Tractor mount Leveler						
	Type						
	Model						
	Power required	45 Hp above					
	Over all Length mm	±1845					
	Over all width mm	±1200					
	Over all Height mm	±1100					
	Blade Material	High Carbon Steel					
	Weight	not less than 145 kg					
	Hitch	Three point linkage, CAT-I/CAT-II					
	Warranty	Manufacturer shall provide warranty for at least one year for manufacturing defects					
46	Chiura or Poha Making Machine						
	Name	N/A					
	Model	N/A					
	Capacity (kg/hr)	100 Kg to 300kg					
	Size of C.I chilled Rolls	± 300mm*750mm					
	No of C.I Rolls	One					
	Power required	7.5 to 10 Hp					
	Electricity	3 Phase 220 - 440 Volt					
	Body Fabricated	Mild Steel plates and Cast Iron					
	Speed	150 to 200 RPM					
	Driven type	Belt and Pulley Drive.					
	Dimension	± 38 inch *9 inch*2 inch					
	Warranty	3 years					
	Catalogue/manual	operation manual should submit					
47	Sand Less Paddy Roster Machine						

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Er. Manish Tripathi
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 Category "A"

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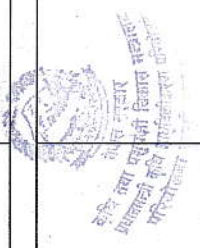
Technical Specification of Farm Machinery and Equipments							
S.N.	Name of Implements With Description	Technical Specification	Supplier's specification (Mandatory to fill up otherwise not consider their quoted rate)	Unit	Per Unit Rate (In Figures)	Per Unit Rate (inWords)	Remarks
	Name	N/A					
	Model	N/A					
	Capacity (kg/hr)	100 Kg. to 300kg					
	Machine Type	Semi Automatic/ Automatic					
	Power Required	2 Kw to 5 Kw					
	Voltage	220 -440 Volt					
	Fuel	Wood/ Gas/ electricity / Diesel					
	Warranty	3 years					
	Catalogue/manual	operation manual should submit					
48 Chiura /Poha Destoner Machine							
	Name	N/A					
	Model	N/A					
	Capacity (kg/hr)	100 Kg. to 500kg					
	Machine Type	Semi Automatic/ Automatic					
	Power Required	1.5 to 2 Kw /h					
	Voltage	220 -440 Volt					
	Dimension (L*W*H)mm	Not less than 1100*600*800					
	Warranty	3 years					
	Catalogue/manual	operation manual should submit					
49 Band Sealer							
	Name	N/A					
	Model	N/A					
	Type	Spike tooth paddy thresher					
	Body Material	Stainless steel, 304					
	Production Capacity	200 to 250 kg /hr					
	cutting die	2 die extra					
	Power source	Electric operated					
	Motor Power	0.5 Hp, Single Phase					
	Voltage	220V Ac					
	Rpm	1440					
	Weight	Not less than 35 kg					
	Protection	Cut off with MCB at over load					
50 Printing Machine							
	Model	N/A					
	Nozzle	2.5 Thermal Foaming Nozzle					
	CPU	Quad Core 1.4 HZ					
	Language	English					
	Dimension	120*100*240 mm					
	Net weight	0.8 kg					
	Printing	12.7mm					
	Printing distance	2 to 5 mm					
	Printing Content	Text, Time , Batch, Number, Logo, QR code etc					
	Storage	1000 Message. (external USB can Used)					
	Characters Printing	2000 Characters					



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 E.I. Manish Tharav
 NEC Reg. No. 203 Agriculture
 Category "A"

DUBIEE BJOE BBJE
LADIE BIEE BBJE

Technical Specification of Farm Machinery and Equipments							
S.N.	Name of Implements With Description	Technical Specification	Supplier's specification (Mandatory to fill up otherwise not consider their quoted rate)	Unit	Per Unit Rate (In Figures)	Per Unit Rate (inWords)	Remarks
	Printing Speed	70m/min					
	Ink	Black, white, Red, Yellow, Blue, Green.					
	Power source	Lithium Battery(2600MAh)					
	power Back up	4 to 8 Hour					
	working Environment	Temp 0- 38 degree and Humidity 10% to 80%					
51	Inverter and Battery						
	Model/ Name	Any					
	Load Option	900 – 1000VA					
	Charge Over time	8 ms					
	Back up Time	8 Hrs					
	Input Voltage	220 -250					
	Output Voltage	220					
	Battery Type	Flat and Tubular					
	Battery Voltage and Capacity	12 V and 150AH					
	Battery Charging current	15 AMP					
52	Paddy Straw Thresher(Chopper)						
	Name	N/A					
	Model	N/A					
	Power Required	35 Hp or above					
	Material	Mild Steel					
	Speed RPM	500 RPM above					
	Cutting size	0.5 to 1.5 inch.					
	Number of Roller	4 Roller (Conveyer Belt System)					
	Capacity	2000 Kg/H or above					
	Tools set	Needed.					
	Colour	Standard.					
	Proven Performance	1)The Chopper 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.					
53	Walking type Rice Transplanter						
	Name	N/A					
	Model	N/A					
	Type	Walking type, Air cooled, single cylinder 2wheel 3 floats Type Rice Transplanter					
	Engine Power	5 Hp or above (177 CC Displacement)					
	Engine Starting System	Recoil Starter					
	Engine Tank Capacity	4L					
	No. of wheel and Floater	2 wheel and 3 Floats					
	Wheel Type	Rubber Lug wheel (Not less than 660 mm)					



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Er. Manish Thakur
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Category "A"

Technical Specification of Farm Machinery and Equipments							
S.N.	Name of Implements With Description	Technical Specification	Supplier's specification (Mandatory to fill up otherwise not consider their quoted rate)	Unit	Per Unit Rate (in Figures)	Per Unit Rate (in Words)	Remarks
	No of Gear	2 Forward and 1 Reverse					
	Transporting Speed	0.5 to 1.4					
	No of Transplanting Row	6					
	Planting Type	Compelled Type					
	Nursery	Seed Matt/Tray					
	Nursery Feed Mechanism	Single Fibre Sprocket System					
	Distance Between Row	Not Less Than 300mm					
	Plantation cm	12, 14, 16, 18					
	Number of Hills	5 Position					
	Planting Speed (m/sec)	0.28 to 0.77					
	Planting Efficiency	Not Less than 1.4 ha in 8 hours					
	Tools set	Needed.					
	Proven Performance	The Rice Transplanter offered must be current model manufacture for at least 1 years. With Seeder					
	Warranty	At least 1 year warranty after acceptance.					
	Catalogue/manual	Operation manual should submit.					
54	Reversible Mould Board Plough						
	Name	N/A					
	Model	N/A					
	Type	Reversible					
	Number of Furrow	2					
	Tyne	80 mm and above					
	Mould Board	8 mm and above					
	Plough Share	10 mm and above					
	Point	100 mm and above					
	Turnover Mechanism	Hydraulic					
	Tillage Width	700 mm and above					
	Depth of Cut	350 mm and above					
	Power Required	50 hp and above.					
	Tools set	Needed.					
	Proven Performance	The MB Plough 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.					
55	Laser Land Leveler						
	Name	N/A					
	Model	N/A					
	Type	Self Levelled laser transmitter					
	Operating range	minimum operating range of 600m (diameter)					
	Accuracy	± 1.5 mm for 30meters					
	Laser Receiver	Laser receiver with beam acceptance angle 360 degree					



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Technical Specification of Farm Machinery and Equipments					Remarks	
S.N.	Name of Implements With Description	Technical Specification	Supplier's specification (Mandatory to fill up otherwise not consider their quoted rate)	Unit	Per Unit Rate (in Figures)	Per Unit Rate (in Words)
	Control Box	Automatic (Digital / analog)				
	No of Wheel in Bucket	Four				
	Bucket scrapper Size					
	Length	2080-2140 mm				
	Width	580-585 mm				
	Thickness	8-9 mm (min.)				
	Thickness of blades	12-13 (min)				
	Accessories	Rigid mast with arms and height adjustment facility, Automatic double acting hydraulic cylinder assembly, Tripod stand, and Grade rod for survey, Cable Connectors, Rechargeable Battery with charging cable (Min. 12 V), Laser eye receiver for field survey and other required accessories.				
	Proven Performance	The LLL offered must be current model manufacture for at least 1 year.				
	Warranty	At least 1 year warranty after acceptance.				
	Catalogue/manual	Operation manual and Catalogue should submit.				
56	Four Wheel Mini tiller					
	Name					
	Type	4 Stroke, Diesel engine				
	Displacement	Not Less Than 456cc				
	Rated Power	Not Less Than 7.5 Kw /3600RPM				
	Starting Mode	E Start				
	Drivingmode	2/4 Wheel drive				
	Gear Shift					
	Trye Size	Front 4.00-8/Rear 5.00-12				
	Tilling blades	4-4 not less (32 Blades)				
	Tilling Width mm	1000-1100				
	Cultivating depth mm	Not less than 120				
	Machine Size (mm) (L*B*H)	Not less 1060*990*1060*				
	Proven Performance	The machine offered must be current model manufacture for at least 1 year.				
	Warranty	At least 1 year warranty after acceptance.				



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 Category "A"

पंजीकृत संस्था
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Technical Specification of Farm Machinery and Equipments							
S.N.	Name of Implements With Description	Technical Specification	Supplier's specification (Mandatory to fill up otherwise not consider their quoted rate)	Unit	Per Unit Rate (In Figures)	Per Unit Rate (inWords)	Remarks
57	Rice mill Catalogue/manual	Operation manual and Catalogue should submit.					
	Model	Elevator type					
	Type	450kg/h to 600kg/h					
	Capacity	Not less than 7kw					
	Power Required	Rice mill sieve dai not less than 1.3mm					
	Mesh size	Not less than 2800 Rpm					
	Speed of Spindle RPM	At least 1 year warranty after acceptance.					
	Warranty	Operation manual and Catalogue should submit.					
	Catalogue/manual						
58	Round straw Baler						
	Model	Round					
	Type	110-130 Cm					
	Bale Diameter	110-130 Cm					
	Bale Width	150 cm					
	Pick-Up working Width	Hydraulic					
	Pick-up and Door Control	55 above					
	Tractor Power	Chain Type					
	Transmission	PTO					
	Power Transmission	Shear Bolt Type					
	P.T.O Shaft	Electric					
	Binder Control						
59	Jet Aerator						
	Model	Floating					
	Type	1.5-2 KW					
	Power Required	More than 0.82kg (O2)Kw/h					
	Power efficiency	more than 0.7-1 kg(o2)/h					
	Oxygen Transfer Rate	80 db(A)					
	Noise	35-40 kg					
	Weight	1280*740*900mm					
	Size						
60	PH Meter						
	Model	Pen Type PH Meter					
	Type	0.00 - 14PH					
	Range	0.01 PH					
	Resolution	0.1 PH					
	Accuracy	4*1.5V					
	Battery	0C to 50C					
	Temperature	151*33*20					
	Dimension(mm)	53 g					
	weight						



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 Mr. Manish Thakur
 Sr. Manish Thakur
 NEC Reg. No. 203 Agriculture
 Category "A"

Technical Specification of Farm Machinery and Equipments							
S.N.	Name of Implements With Description	Technical Specification	Supplier's specification (Mandatory to fill up otherwise not consider their quoted rate)	Unit	Per Unit Rate (In Figures)	Per Unit Rate (inWords)	Remarks
	Alkalinity	8 to 14					
	Neutrality	7					
	PH electrode						
61	Rice Cleaning Machine						
	Model						
	Type	Suction Type					
	Power	1-2 Hp					
	Material	Ms and Steel					
	Operating Type	Semi Automatic					
	Capacity	Not less 500Kg/h					
	Screen Size	24"					
62	Mini Pallet Machine						
	Model						
	Type						
	Power	4kw Single Phase					
	Rated Voltage	220v					
	Rotating speed	2800Rpm					
	Rated current	18 A					
	Capacity	60 to 80 Kg/h					
	Die hole Diameter	3 to 8 mm					
63	Sinking/ Floating Fish Pallet Machine						
	Model						
	Type	Conveyer type					
	Power	30kw Three Phase					
	Rated Voltage	220v and above					
	Rotating speed	2800Rpm					
	Capacity	400 kg/h above					
	Die hole Diameter	3 to 8 mm above					
	Grinder Capacity	5hp/200kg/h					
	Mixture Capacity	5hp/200kg/h					
	Warranty	At least 1 year warranty after acceptance.					
64	Soil Testing Auger						
	Model						
	Type	Manual					
	Material	Stainless Steel					
	Product Dimensions(Dai*L)	102mm*457mm					
	Weight	Not less than 1.30kg					

Prepared By

Manish Thakur

Agriculture Officer

Checked By:

Sauraj Bishwakarma

Agriculture Officer

Approved By

Rakesh Kumar Ojha

Senior Agriculture Officer

Digitally signed by Rakesh Kumar Ojha, DN: cn=Rakesh Kumar Ojha, o=District Agriculture Officer, ou=District Agriculture Office, email=Rakesh.Kumar.Ojha@karnataka.gov.in