



कृषि यान्तिकरण सम्बन्धित सामाग्रीहरू

S.N.	Name of Farm machinery & Equipments	Specification / Requirement	Proposed Specification/ additional facilities by Suppliers	Brand Name and country of manufacturing company	Rate (include vat for applicable items)	Rate in Word	Remarks
		Mini tiller not less than 4.4kw ± 0.2Kw capacity with manual or electric start, having 4 stroke Petrol engine with air cooled cooling system, A set of rotary rotavator/cultivators attached having minimum of 24 blades and covering minimum of 800-900 mm tilling width and minimum of 100 mm tilling depth, Gear and chain system power transmission with manual shifting of 1- reverse, 2-forward					
		Mini tiller not less than 6kw ± 0.2Kw capacity with manual or electric start, having 4 stroke Petrol engine with air cooled cooling system, A set of rotary rotavator/cultivators attached having minimum of 24 blades and covering minimum of 800-900 mm tilling width and minimum of 100 mm tilling depth, Gear and chain system power transmission with manual shifting of 1- reverse, 2-forward					
1	Mini Tiller (suitable for multipurpose farm work)	Mini tiller not less than 3.7kw ± 0.2Kw capacity with manual or electric start, having 4 stroke Diesel engine with air cooled cooling system, A set of rotary rotavator/cultivators attached having minimum of 24 blades and covering minimum of 800-900 mm tilling width and minimum of 100 mm tilling depth, Gear and chain system power transmission with manual shifting of 1- reverse, 2-forward					
		Mini tiller not less than 4.4kw ± 0.2Kw capacity with manual or electric start, having 4 stroke Diesel engine with air cooled cooling system, A set of rotary rotavator/cultivators attached having minimum of 24 blades and covering minimum of 800-900 mm tilling width and minimum of 100 mm tilling depth, Gear and chain system power transmission with manual shifting of 1- reverse, 2-forward	96 a 10				
		Mini tiller not less than 6kw ± 0.2Kw capacity with manual or electric start, having 4 stroke Diesel engine with air cooled cooling system, A set of rotary rotavator/cultivators attached having minimum of 24 blades and covering minimum of 800-900 mm tilling width and minimum of 100 mm tilling depth, Gear and chain system power transmission with manual shifting of 1- reverse, 2-forward					



S.N.	Name of Farm machinery & Equipments	Specification / Requirement	Proposed Specification/ additional facilities by Suppliers	Brand Name and country of manufacturing company	Rate (include vat for applicable items)	Rate in Word	Remarks
2	Power Tiller (suitable for multipurpose farm work)	Power tiller not less than 13.4 kw ± 0.2Kw capacity, having 4 stroke diesel engine and radiator/hopper water Cooling system, Minimum ground clearance 185 mm. A set of rotary tiller / cultivators attached having minimum of 24 blades and covering minimum of 800-900 mm tilling width, Gear and chain system power transmission with manual shifting, 1- reverse, 3-forward (both high and low) numbers of gears					
2		Power tiller not less than 15 kw ± 0.2Kw capacity, having 4 stroke diesel engine and radiator/hopper water Cooling system, Minimum ground clearance 185 mm. A set of rotary tiller / cultivators attached having minimum of 24 blades and covering minimum of 800-900 mm tilling width, Gear and chain system power transmission with manual shifting, 1- reverse, 3-forward (both high and low) numbers of gears					
3	Power Weeder	Power Weeder of 4 stroke Petrol Engine not less than 3kw ± 0.2Kw capacity, overall cultivation width-adjustable or (24-42 inch), Rated engine speed 3600 RPM (preferred), power transmission with manual shifting of 1- reverse, 2-forward,				6	
4	Chain Saw	Chain saw 2 stroke Petrol Operated Bar length 12 inch to 24-inch, Power not less than 2.6 KW capacity, minimum sound pressure level will be preferred	74 /				-
5	Brush cutter	Brush Cutter 4 stroke Petrol Engine (Back pack/side pack) Power not less than 31cc or 1 HP, minimum 3T/40T/80T blade					
5		Brush Cutter 2 stroke Petrol Engine (Back pack/side pack) Power 40cc up to 55cc or not less than 1.8 HP, minimum 3T/40T/80T blade					
6	Petrol water	Petrol water Pump of self-priming with 2-inch to 3-inch outlet and inlet, minimum 5 HP engine power, suction head not less than 7mtr and delivery head not less than 20 mtr.					



S.N.	Name of Farm machinery & Equipments	Specification / Requirement	Proposed Specification/ additional facilities by	Brand Name and country of manufacturing	Rate (include vat for applicable	Rate in Word	Remarks
7	Diesel Water Pump	Diesel Water Pump of 3- inch to 4-inch outlet and inlet, minimum 5 HP engine power, suction head not less than 7mtr and delivery head not less than 20 mtr.	Suppliers	company	items)		
8	Rotavator (Tractor Drawn)	Tractor Drawn Rotavator with overall tilling width not less than 5 feet and tractor power more than 35 hp, PTO Rpm 540/1000 rpm, Number of blades 36-48 (or most available), main types of blade S or C hook, Hitching 3-point hitches					
9	Battery cum manaul Sprayer (2in1)	2 in 1 manual cum Battery operated knapsack sprayer Battery-12V, 8A or 12V 12A, Working Pressure-0.10 to 0.45 megapascal, Volume not less than 16-liter , Trigger Type brass is preferred					
10	Digital Weighing	Digital Weighing Machine of Capacity 50 kg Loaded with Rechargeable Battery, Large LED Display on Top that can be read easily, material Stainless Steel (preferred), High Precision Load Cell, Auto calibration facility with standard weigh					
	t (Digital Weighing Machine of Capacity 100 kg , Loaded with Rechargeable Battery, Large LED Display on Top that can be read easily, material Stainless Steel preferred), High Precision Load Cell, Auto calibration acility with standard weigh				6	

Instructions:- Manuals:- One copy for the Operator's and Owner's Instructions in English (If in Nepali language it will be more preferred) shall be

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

Warranty:-Manufacturer shall provide at least one-year of warranty after acceptance

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

Training:- For all the farm machinery training for Operator and General maintenance training shall be provided by suppliers

Certification :- Lab certificate regarding machineries power must be provided by suppliers.

*The major items are indicated by bold and highlighted letters/alphabets/figures in the technical specifications. Non-compliance of these major items

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सिचाई निर्माण सम्बन्धित सामाग्रीहरु

S.N.	Items	Technical Specification	Capacity	Proposed Specification/ additional facilities by Suppliers	Brand Name and country of manufacturing company	Rate (include vat for applicable items)	Rate in Word	Remarks
		Extra Heavy	200 litres		0. 100			
	PVC Water Tank	insulated polyethylene vertical	500 litres					
		water storage tanks with proper cover.	1000 litres			,		
1		Confirming to Nepal	1500 litres					
		standard or latest modifications.	2000 litres					
		Additional inlet/outlets can be	3000 litres					
		fitted if required.	5000 litres					
s.N.	Items	Pipe Size Outside diameter (OD) in mm 32mm(OD)=linch	Pressure As of NS standard based on PE 100	Weight/ metre	Brand Name and country of manufacturing company	Rate (include vat for applicable items)	Rate in Word	Remarks
		16	PN-16	Not less than 0.09				
		20	(10Kg/m²) PN-16 (10Kg/m²)	Not less than 0.13				
		25	PN-16 (10Kg/m²)	Not less than 0.2				
		32	PN-10 (6Kg/m²)	Not less than 0.22				
		32	PN-16 (10Kg/m²)	Not less than 0.33				
		40	PN-6 (4Kg/m ²)	Not less than 0.25				
		40	PN-10 (6Kg/m²)	Not less than 0.35	N 30			
		40	PN-16 (10Kg/m²)	Not less than 0.5				
		50	PN-6 (4Kg/m²)	Not less than 0.36				
	High Density	50	PN-10 (6Kg/m²)	Not less than 0.54				
	Polyethylen e (HDPE)		PN-16 (10Kg/m²)	Not less than 0.78				
2	Pipe confirming		PN-6 (4Kg/m²)	Not less than 0.57				
	to Nepal Standard or latest	63	PN-10 (6Kg/m²)	Not less than 0.8				
×	modificatio n		PN-16 (10Kg/m²)	Not less than 1.2				
		75	PN-6 (4Kg/m²)	Not less than 0.8				



S.N.	Items	Technical Specification	Capacity	Proposed Specification/ additional facilities by Suppliers	Brand Name and country of manufacturing company	Rate (include vat for applicable items)	Rate in Word	Remarks
		75	PN-10 (6Kg/m²)	Not less than 0.19				
		75	PN-16 (10Kg/m²)	Not less than 1.78				
		90	PN-6 (4Kg/m²)	Not less than 1.22	11 (2) 2 1	1		
		90	PN-10 (6Kg/m²)	Not less than 1.7				
		90	PN-16 (10Kg/m²)	Not less than 2.58		,		
		110	PN-6 (4Kg/m²)	Not less than 1.7				
		110	PN-10 (6Kg/m²)	Not less than 2.5				
		110	PN-16 (10Kg/m²)	Not less than 3.8				
3	Delivery	2 inch						-
,	Cotton Pipe	3 inch		A =				
		4 inch						
4	PVC Suction	2 inch	. 7		/			
*	Hose Pipe	3 inch	/					
	(Hard)	4 inch					96 a jest J	

Certification or Standards :- Lab certificate or standards of pvc drum and HDPE pipe must be provided by suppliers.

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^{*}The major items are indicated by bold and highlighted letters/alphabets/figures in the technical specifications.



नेपाल सरकार कृषि तथा प्रश्नुपंछी तिकास मन्त्रालय प्रधानमन्त्री कृषि आधुनिक्रीकरण परियोजना परियोजना कार्यीन्वयनस्थकाइ, कास्की

प्लास्टिक घर निर्माण सम्बन्धित सामाग्रीहरू

S.N.	Items	Technical Specification	Proposed Specification /additional facilities by Suppliers	Brand Name and country of manufacturin g company	Rate (include vat for applicable items)	Rate in Word	Remarks
1	UV Plastic 200 micron	Greenhouse Polyethylene Plastic UV stabilized transparent film (200 microns) Anti-Drip, 5 or 7 layered, Super Strong, Anti Dust (Specify the weight and width of plastic sheet available along with lab certification)					
2	UV Plastic 100 micron	Greenhouse Polyethylene Plastic UV stabilized transparent film (100 microns) Anti-Drip, 5 or 7 layered, Super Strong, Anti Dust (Specify the weight and width of plastic sheet available along with lab certification)					
3	Plastic 120 GSM	Greenhouse Polyethylene 120 GSM transparent Plastic Sheet with eyelocks (Specify the weight and width of plastic sheet available along with lab certification)				d	6
4	Anti Insect Net	UV stabilized White Anti Insect net of mesh size 40, not less than 70 GSM, Non-corrosive, water vapor resistant(Specify the weight and width of net available)					
5	Anti Hail Net	UV stabalized High Density polyethylene (HDPE), transparent White Anti Hail net, not less than 70 GSM (Specify the weight and width of net available)					
61	Aluminum Profile	PVC/GI coated rust free Zigzag wire with polyethylene coating thickness not less than 0.2 mm with 0.8 to 0.9 mm aluminum profile for Greenhouse structures					

S.N.	Items	Technical Specification	Proposed Specification /additional facilities by Suppliers	Brand Name and country of manufacturin g company	Rate (include vat for applicable items)	Rate in Word	Remarks
7	Mulching Plastic	Low Density Polyethylene (LDPE) UV stabilized mulching plastic sheet, thickness not less than 40- micron , colour of sheet white- black/silver-black (Specify the weight and width of net available)					
8	Shade Net	HDPE Shade Net with 50% - 70% shading capacity with weight not less than 90 GSM, Green in colour, preffered if UV protected. (Specify the weight and width of plastic sheet available)					
91	Plastic 250 GSM	High Density Polyethylene (HDPE) 250 GSM Plastic Sheet for Plastic Pond with standard blue colour(Specify the weight and width of plastic sheet available)					

Drip Irrigation

S.N.	Items	size/specification	Proposed Specification /additional facilities by Suppliers	Brand Name and country of manufacturin g company	Rate (include vat for applicable items)	Rate in Word	Remarks
1	PVC pipe	50mm to 75mm			reems)		
2	GTO with rubber washer	16mm-20mm					
3	Tape lock joiner	16mm-20mm					_
4	Poly tube	16mm-20mm					
5	Inline Dripper pipe	16mm- 20 mm with variable spacing from 30cm to 60cm				192	
6	Emitter	2 litre/hour - 8 litre/hour	7.				
	Pvc valve / control valve	50mm -75mm					
01	Flush valve pvc	50mm -75mm					
9]	Elbow pvc	50mm -75mm					
10]	Equal tee pvc	50mm -75mm					
	MTA pvc	50mm -75mm					
	FTA pvc	50mm -75mm					
13 5	Perma Fix- Solvent Cement	litre					

S.N.	Items	Technical Specification जीजना का	Proposed Specification /additional facilities by Suppliers	Brand Name and country of manufacturin g company	Rate (include vat for applicable items)	Rate in Word	Remarks
	Perma Fix-						
13	Solvent	litre					
	Cement						
14	Union pvc	50mm-75mm		•			
15	check valve Brass/PVC	50mm-75mm				121	
16	Water Filter	Screen/hydrocyclone/sand filter compatible with 50mm-75mm pipe diameter					,
	Sand filter			,			
17	Gi Nipple	1.5"*4" or usable size					
18	Ventury for fertigation	Set with compatible size					
19	Manifold PVC	50mm-75mm					
- 1	Air release valve	32mm-75mm		,			
	End Cap	50mm-75mm					-
	Coupler	50mm-75mm					

Certification :- Lab certificate of above stated items with respected country verified certification are required.

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नेपाल सरकार कृषि तथा पशुपंछी विकास मन्त्रालय प्रधानमन्त्री कृषि आधुनिकीकरण परियोजना परियोजना कार्यान्वयन एकाइ, कास्की

अलैची भट्टी निर्माण सम्बन्धित सामाग्रीहरु

S.N.	Name of Farm machinery & Equipments	Technical Specification	Proposed Specification/ad dirional facilities by Suppliers	Brand Name and country of manufacturing company	Rate (include vat for applicable items)	Rate in Word	Remarks
1	Improved Wood Combuster Cardamom	Improved Wood Combuster Cardamom Dryer Large Type (Drying Capacity of 400kg Fresh Cardamom at a time) with size not less than (5.9*2.6*4) feet painted with red oxide, metal strip 25*5mm (9 feet long) 18 pcs, 12mm diameterTMT rod (9 feet length) of 20Pcs, Pipe (1.5 inch dia. with 2mm thickness And 9ft length) 1 Pcs, SS Mesh wire (4 feet* 17 feet) 1 roll and bending wire 2kg Improved Wood Combuster Cardamom Dryer MediumType (Drying Capacity of 300kg Fresh Cardamom at a time) with size not less than (4.9*2.6*4) feet painted with red oxide, metal strips 25*5mm (8feet long) 16 pcs, 12mm diameter TMT rod (8 feet length) of 18Pcs, Pipe (1.5 inch dia. with 2mm thickness And 9ft length) 1 Pcs, SS Mesh wire (4 feet* 15 feet) 1 roll and bending wire 2kg					6
2	Cardamom Grading Machine	100 kg/hour capacity Cardamom Grading Machine of size (5.6*3*3) feet made from high quality Mild steel operating with high quality single phase 2 H.P., 1440 RPM electric motor, RPM reducer gear system for reducing rpm as per grading requirement, 40kg capacity inlet bucket, specially designed screens to remove clogged particles					

Instructions:-Manuals:- One copy for the Operator's and Owner's Instructions in English (Manuals and Instruction in Nepali language will be more preferred) shall be supplied with each Farm Implement/machinery.

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

Warranty:-Manufacturer shall provide at least one year of warranty.

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