



नेपाल सरकार  
कृषि तथा मत्स्य विकास मन्त्रालय  
प्रधानमन्त्री कृषि आधुनिकीकरण परियोजना  
परिष्कारण/कार्यान्वयन एकाइ, कास्की  
कृषि योजन/सम्बन्धित सामग्रीहरु  
कास्की

आ.व. २०८१/८२

S. N.	Name of Farm machinery & Equipments	Technical Specification	Proposed Specification by Suppliers	Rate (include vat for applicable items)	Rate in Word	Remarks
1	Mini Tiller (suitable for multipurpose farm work)	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, Verified engine test report should be provided	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			उपकरणको फोटो, उपकरणको specification खुल्ने catalogs, leaflets आदि समेत पेश गर्नुपर्नेछ ।
		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 32 blades and covering minimum of 1000 mm tilling width and minimum of 100 mm tilling depth, Gear and chain system power transmission with manual shifting of 1- reverse, 2-forward, Verified engine test report should be provided	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			
		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	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			
		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, Verified engine test report should be provided	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			
		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 32 blades and covering minimum of 1000 mm tilling width and minimum of 100 mm tilling depth, Gear and chain system power transmission with manual shifting of 1- reverse, 2-forward, Verified engine test report should be provided	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			

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माधव प्रसाद लामसाल  
बरिष्ठ कृषि अधिकृत



नेपाल सरकार  
कृषि तथा सशुपन्धी विकास मन्त्रालय  
प्रधानमन्त्री कृषि यान्त्रिकीकरण परियोजना  
परियोजना कार्यान्वयन एकाइ, कास्की  
कृषि यान्त्रिकीकरण सम्बन्धित सामग्रीहरू  
कास्की

आ.व. २०८१/८२

S. N.	Name of Farm machinery & Equipments	Technical Specification	Proposed Specification by Suppliers	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 $\pm$ 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, Verified engine test report should be provided	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			
		Power tiller not less than 15 kw $\pm$ 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, Verified engine test report should be provided	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			
3	Power Weeder	Power Weeder of 4 stroke Petrol Engine not less than 2.2kw $\pm$ 0.2Kw or 50cc capacity, overall cultivation width-adjustable or (300-600 ), Rated engine speed not less than 1000 RPM (preferred), power transmission gear type with forward gear arrangement, Verified engine test report should be provided	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			उपकरणको कोटी, उपकरणको क्वालिटीको सुनिश्चन गरिने कालोका, लडिमा आदि समेत पेश गर्नुपर्नेछ ।
		Power Weeder of 2 stroke Petrol Engine not less than 1.5kw $\pm$ 0.2Kw capacity, overall cultivation width-adjustable or (600-900 ), Rated engine speed 3600 RPM (preferred), power transmission with manual shifting of 1- reverse, 2-forward, Verified engine test report should be provided	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			
4	Portable Power	2 stroke/4 stroke Petrol engine operated Portable Electric High Pressure Power Sprayer having power not less than 2kw $\pm$ 0.2Kw, provided with minimum of 30m length high quality hose pipe with rolling arrangement, recommended working pressure of 1.5-2.5 Mpa supported with spray lance and nozzle with vertical range above 10 mtr and flowrate not less than 10ltr/min	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			

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माधव प्रसाद लम्साल  
बरिष्ठ कृषि अधिकृत





नेपाल सरकार  
कृषि तथा पशुपंजी विकास भन्जालय  
प्रशासिक कृषि यान्त्रिकीकरण परियोजना  
परियोजना कार्यान्वयन एकाद, कास्की  
कृषि यान्त्रिकीकरण समन्वित सामग्रीहरु

भा.व. २०८१/८२

S. N.	Name of Farm machinery & Equipments	Technical Specification	Proposed Specification by Suppliers	Rate (include vat for applicable items)	Rate in Word	Remarks
	Sprayer	Single phase Portable Electric High Pressure Power Sprayer having not less than 1Kw electric power, 1400 rpm provided with minimum of 30m length high quality hose pipe with rolling arrangement, recommended working pressure of 1.5-2.5 Mpa supported with spray lance and nozzle	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			
5	Chain Saw	Chain saw 2 stroke Petrol Operated Bar length 18 inch to 24-inch, Power not less than 70 cc , minimum sound pressure level will be preferred	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			
6	Brush cutter	Brush Cutter 4 stroke Petrol Engine (Back pack/side pack) Power not less than 31cc , minimum 3T/40T/80T/nylon trimmer blade	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			
		Brush Cutter 2 stroke Petrol Engine (Back pack/side pack) Power 40cc up to 55cc, minimum 3T/40T/80T/nylon trimmer blade	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			
7	Petrol water Pump	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.	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			

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बरिष्ठ कृषि अधिकृत



नेपाल सरकार  
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पर्यावरण, कृषि, आधुनिकीकरण प्रसिञ्जना  
परिचालन विभाग, काठमाडौं  
कृषि यान्त्रिकरण सम्बन्धित सामग्रीहरु

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S. N.	Name of Farm machinery & Equipments	Technical Specification	Proposed Specification by Suppliers	Rate (include vat for applicable items)	Rate in Word	Remarks
8	Battery cum manual 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, <b>Volume not less than 16-liter</b> , Trigger Type brass is preferred	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			उपकरणको कोटो, उपकरणको specification मुद्दा catalogue, serials आदि समेत पेश गर्नुपर्नेछ ।
9	Pit Digger/Earth Auger	Petrol engine, Single cylinder 2-4 stroke, capacity 1.2-2 kw, 8"-12" MS drill bit, fuel tank capacity not less than 0.5 litre	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			
10	Digital Weighing Machine	Digital Weighing Machine of Capacity 50 kg Loaded with Rechargeable Battery, <b>Large LED Display</b> on Top that can be read easily, material Stainless Steel (preferred), High Precision Load Cell, Auto calibration facility with standard weigh	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			
		Digital Weighing Machine of Capacity 100 kg, Loaded with Rechargeable Battery, <b>Large LED Display</b> on Top that can be read easily, material Stainless Steel (preferred), High Precision Load Cell, Auto calibration facility with standard weigh	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			

Manufacture company or suppliers strictly provided engine rated power of power tiller and mini tiller in " Kw " this should be mentioned in both catalogue and

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

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

Delivery:- All items must be delivered to locations within Pokhara Valley.

Stocks:-Must be capable of meeting required demand quantities.

Initial Service:-The supplier shall provide all the necessary filters, engine oil, gear oil and spare parts required for the operations of machine.

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

Installation and Commissioning:-Supplier must accomplish proper installation and commissioning on site.

Certification :- Lab certificate regarding machineries power with respected country verified certification must be provided by suppliers.

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

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Approved By

नाथदत्त प्रसाद लम्साल  
बरिष्ठ कृषि अधिकृत





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### कृषि उपकरण सम्बन्धित सामग्रीहरु

S.N.	Name of Farm machinery & Equipments	Technical Specification	Proposed Specification by Suppliers	Rate (include vat for applicable items)	Rate in Word	Remarks
1	Rotavator (Tractor Drawn)	more than 35 HP Tractor Drawn Rotavator with overall tilling width not less than 5 feet made up of heavy duty frame, PTO Rpm 540/1000 rpm, Number of blades not less than 32 (or most available), main types of blade L/C/J shape, Hitching 3-point linkage, required multi speed gear box with gear type transmission system	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			
2	Cultivator	more than 35 HP Tractor Drawn spring tynes cultivator with overall tilling width not less than 5 feet made up of heavy duty frame, Number of tynes not less than 9 (or most available), tyne type reversible shovel type, Hitching 3-point linkage	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			उपकरणको फोटो, उपकरणको specification सुन्ने catalogs, leaflets आदि समेत पेश गर्नुपर्नेछ ।
3	Manual seeder for vegetable	manually row to row distance adjustable, minimum of 150 grams per seed box , seed rate can be controlled manually, Light in weight, easy handling and repairing, mostly designed for onion, beetroot, carrot, raddish, coriander etc., should cover the land after seeding, most provide all the tools and disc required, arrangement for seed depth adjustment, minimum of 4 rows	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			

Manufacture company or suppliers strictly provided engine rated power of power tiller and mini tillier in " Kw " this should be mentioned in both catalogue and Instruments otherwise these company and suppliers or materials should be disqualified or rejected.

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

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

Delivery:- All items must be delivered to locations within Pokhara Valley.

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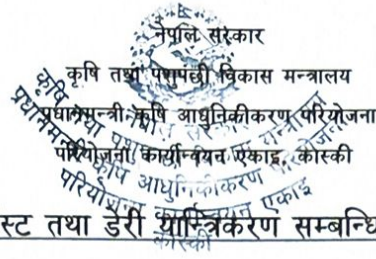
\*The major items are indicated by bold and highlighted letters/alphabets/figures in the technical specifications.

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माधव प्रसाद लम्साल  
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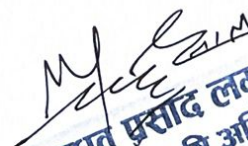


पोस्ट हार्भेस्ट तथा डेरी यांत्रिकरण सम्बन्धित सामग्रीहरू

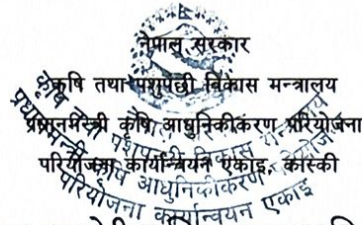
आ.व. २०८१/८२

S.N.	Name of Farm machinery & Equipments	Technical Specification	Proposed Specification by Suppliers	Rate (include vat for applicable items)	Rate in Word	Remarks
1	Continuous Band sealer	Main body made up of stainless steel with sealing mode in centre and in 3 side, can sealed Polyethylene (PE), Polypropylene (PP) and Laminations with motorized rubber conveyer with speed control capable of speed up to 12 mtr/min and customizable, horizontal module having conveyer height 110mm-254mm, motor capacity 600 to 1500 watt, single phase 220V/50Hz electric operated with temperature range from 0 to 300 deg.celsius	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			
2	Impulse Band sealer	Main body made up of stainless steel with sealing width 3 to 5mm and length 8 to 12 inch can sealed Polyethylene (PE), Polypropylene (PP) horizontal module motor capacity 500 to 900 watt, single phase 220V/50Hz electric operated with temperature range from 0 to 300 deg.celsius	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			
3	Combined Rice Mill	Combined Rice Mill must remove paddy husk, whitening rice, crush rice bran at one time, it must attached with alloy-steel roller that the rice has low breakage after processed, body material: High quality steel, Capacity: rice mill not less than 80Kg/hr, pulverizer not less than 150kg/hr, Mill type: Disc/Hammer, Splindle speed:1200R/M (rice milling), Motor Power: 2.2kw ± 0.2 kw, single phase, 50 Hz with 100% copper wire binding motor, milled rate not less than 75%, must be applicable in both milling of cereals such as rice, wheat, millet etc.	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			
4	Milk Can	Hygenic Food grade approved, Milk cans must made caring hygenic point of view giving mirror polish, SS 304 Milk Can, 20/30/40 Ltr Capacity, weight not less than 7kg	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			

  
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माधव प्रसाद लामसाल  
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पोस्ट हार्भेस्ट तथा डेरी यन्त्रिकरण सम्बन्धित सामग्रीहरू

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S.N.	Name of Farm machinery & Equipments	Technical Specification	Proposed Specification by Suppliers	Rate (include vat for applicable items)	Rate in Word	Remarks
5	Cow Mat	Heavy duty interlocking or non interlocking high quality rubber cow mat having Size 7*4 feet and 6*4 feet, thickness not less than 17mm, weight not less than 36kg	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			
6	Chaff Cutter	Conveying type electric chaff cutter having Single phase high quality electric motor, power output not less than 2.2 ± 2 Hp electric motor with 220V, motor speed not less than 2000 rpm, shall fully equipped with accessories for efficient full load operation of chaff cutter along with safety features, number of blade at least 2, mild steel frame structure, capacity not less than 600 kg/h, can be used for green grass, straw	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			
7	Milk Analyser	Functions: Display Fat, Solids-not-Fats(SNF), added, water,added additives, Measurement Parameters: a) Fat Range:0-10% Resolution:0.1% Accuracy: ±0.1% (b) SNF Range:4-10% Resolution:0.2% Accuracy:0.2% (c) Added Water Range:0-100% Resolution:0.1% Accuracy: ±0.1%, Measuring Time: 30 seconds or less, Milk Sample: 25ml or less, Display: 2 line 20 character, Operating Voltage 220-240 V, single Phase,50 Hz, DC input 12V, Software: Software for automatic collection of information from analyzer and weighing Scale, multi windows running,saving data,prepare farmer's milk procurement and other accounting transactions, Software: Software for automatic collection of information from analyzer and weighing Scale, multi windows running,saving data,prepare farmer's milk procurement and other accounting transactions	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			उपकरणको स्पेडो, उपकरणको specification खुल्ने catalogs, leaflets आदि समेत पेश गर्नुपर्नेछ ।

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पोस्ट हार्भेस्ट तथा डेरी यान्त्रिकरण सम्बन्धित सामग्रीहरु

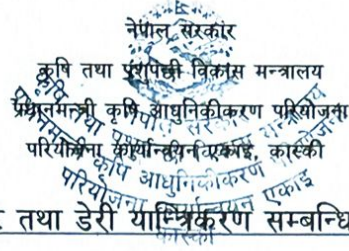
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S.N.	Name of Farm machinery & Equipments	Technical Specification	Proposed Specification by Suppliers	Rate (include vat for applicable items)	Rate in Word	Remarks
8	Chilling Vat 500 Ltr	Cooling Capacity: 500 ltrs of milk from 35°C to 4°C in 4 hours time, Material of Fabrication: SS 304 Grade, Thickness of SS Sheet: a) Inner Thickness 1.5-2mm b)Outer Thickness 1.2-1.6 mm Shape of Chilling Vat: Rectangular/Circular/Elleptical, Electric Supply Single or Three Phase with Agitator 28-40 Rpm with motor,gear box, SS shaft and blades, Insulation 75mm or more thick PUF insulation, temperature increase <2°C/24 hr, Outlet Valve: 1.5 inch(38mm), Butterfly Valve, Cover for Chilling Vat: SS Cover Cooling System: Direct expansion Type Refrigerant: R404a/134a/407c, Compressor: at least 2 ton Capacity, 1 number hermetic compressor, Condenser: Air cooled Condenser with expansion Valve, Filter Dryer, liquid receiver,etc., Evaporator/Cooling unit: Dimple plate type, Control Panel: Dust and Moisture proof Tank/Wall mounted electronic control panel,Manual and Auto mode operation, MCB,Contractors, Overload Relays,electronic thermostat with indicator,HPLP switch, etc., Milk Volume Measurement: At least 20-25 lit graduation SS dip stick	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			
9	Chilling Vat 1000 Ltr	Cooling Capacity: 1000 ltrs of milk from 35°C to 4°C in 4 hours time, Material of Fabrication: SS 304 Grade, Thickness of SS Sheet: a) Inner Thickness 1.5-2mm b)Outer Thickness 1.2-1.6 mm Shape of Chilling Vat: Rectangular/Circular/Elleptical, Electric Supply Single or Three Phase with Agitator 28-40 Rpm with motor,gear box, SS shaft and blades, Insulation 75mm or more thick PUF insulation, temperature increase <2°C/24 hr, Outlet Valve: 1.5 inch(38mm), Butterfly Valve, Cover for Chilling Vat: SS Cover Cooling System: Direct expansion Type Refrigerant: R404a/134a/407c, Compressor: at least 2 ton Capacity, 2 number hermetic compressor, Condenser: Air cooled Condenser with expansion Valve, Filter Dryer, liquid receiver,etc., Evaporator/Cooling unit: Dimple plate type, Control Panel: Dust and Moisture proof Tank/Wall mounted electronic control panel,Manual and Auto mode operation, MCB,Contractors, Overload Relays,electronic thermostat with indicator,HPLP switch, etc., Milk Volume Measurement: At least 20-25 lit graduation SS dip stick	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			

  
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पोस्ट हार्भेस्ट तथा डेरी यांत्रिकरण सम्बन्धित सामग्रीहरू

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S.N.	Name of Farm machinery & Equipments	Technical Specification	Proposed Specification by Suppliers	Rate (include vat for applicable items)	Rate in Word	Remarks
10	Wheel barrow	One wheeled, wheel barrow having two handles and one container, <b>unbreakable iron body, durable metal frame</b> , wheel constructed of <b>mild steel disk type fitted with pneumatic tyres</b> used for variety of things such as disposing manure, fertilizers etc.	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			
11	Animal Feed Pellet Machine	Feed pellet machine having <b>100% copper binded electric motor with power not less than 2.2kw ± 0.2 kw, single phase</b> , operation mode: semi automatic hammer mill type, Build Material: robust CI/ MS build body, <b>capacity not less than 50kg/hr, output pellet size: 2mm to 6mm</b> provided with required number of die (minimum of 2 No.)	Make and Model Country of Origin Proposed Specification Offered Services if any Stock Quantity in number			

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

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

Delivery:- All items must be delivered to locations within Pokhara Valley.

Stocks:-Must be capable of meeting required demand quantities.

Initial Service:-The supplier shall provide all the necessary filters, engine oil, gear oil and spare parts required for the operations of machine.

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

Installation and Commissioning:-Supplier must accomplish proper installation and commissioning on site.

Certification :- Lab certificate regarding machineries power with respected country verified certification must be provided by suppliers.

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कृषि इन्जिनियर "क" का  
३०५ एञ्चिकल्बर

Approved By

*[Signature]*  
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बस्ति कृषि अधिकृत




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

आ.व. २०८१/८२

प्लास्टिक घर निर्माण सम्बन्धित सामग्रीहरू

S.N.	Agricultural Items	Technical Specification	Proposed Specification by Suppliers	Rate (include vat for applicable items)	Rate in Word	Remarks
1	UV Plastic 200 micron	Greenhouse Polyethylene Plastic <b>UV stabilized</b> transparent film/diffused(50-80%) ( <b>200 microns</b> ) Anti-Drip, 5 or 7 layered, Super Strong, Anti Dust (Specify the weight and width of plastic sheet available along with lab certification)	Make and Model Country of Origin Proposed Specification Weight per sqm Offered Services if any Stock quantity -			
2	UV Plastic black and white	Polyethylene Plastic <b>UV stabilized</b> black and white film ( <b>200 microns</b> ) Anti-Drip, 5 or 7 layered, Super Strong, Anti Dust (Specify the weight and width of plastic sheet available along with lab certification)	Make and Model Country of Origin Proposed Specification Weight per sqm Offered Services if any Stock quantity -			
3	UV Plastic 100 micron	Greenhouse Polyethylene Plastic <b>UV stabilized</b> transparent film ( <b>100 microns</b> ) Anti-Drip, 5 or 7 layered, Super Strong, Anti Dust (Specify the weight and width of plastic sheet available along with lab certification)	Make and Model Country of Origin Proposed Specification Weight per sqm Offered Services if any Stock quantity -			
4	Plastic 120 GSM transparent	Greenhouse Polyethylene <b>120 GSM transparent Plastic Sheet with eyelocks</b> (Specify the weight and width of plastic sheet available along with lab certification)	Make and Model Country of Origin Proposed Specification Weight per sqf Offered Services if any Stock quantity -			

  
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5	Plastic 120 GSM black colour	Greenhouse Polyethylene <b>120 GSM black Plastic Sheet with eyelocks</b> (Specify the weight and width of plastic sheet available along with lab certification)	Make and Model Country of Origin Proposed Specification Weight per sqf Offered Services if any Stock quantity -			
6	Anti Insect Net	UV stabilized White Anti Insect net of mesh size 40, <b>not less than 70 GSM</b> , Non-corrosive, water vapor resistant(Specify the weight and width of net available)	Make and Model Country of Origin Proposed Specification Weight per sqm Offered Services if any Stock quantity -			
7	Anti Hail Net	UV stabilazed High Density polyethylene (HDPE), transparent White Anti Hail net monofilament leno or rashed knitted type, comprehensive defence against dense hail condition, birds etc. <b>not less than 70 GSM</b> (Specify the weight and width of net available)	Make and Model Country of Origin Proposed Specification Weight per sqm Offered Services if any Stock quantity -			
8	Aluminum Profile	<b>PVC coated rust free Zigzag GI wire</b> with polyethylene coating thickness not less than 0.2 mm with 0.8 to 0.9 mm aluminum profile for Greenhouse structures	Make and Model Country of Origin Proposed Specification Offered Services if any Stock quantity -			

  
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9	Mulching Plastic	Low Density Polyethylene (LDPE) UV stabilized mulching plastic sheet, thickness <b>not less than 40-micron</b> , colour of sheet white-black/silver-black (Specify the weight and width of net available)	Make and Model Country of Origin Proposed Specification Offered Services if any Stock quantity -			
10	Shade Net	HDPE Shade Net with (50% to 80%) shading capacity with <b>weight not less than 90 GSM</b> , Green in colour, preferred if UV protected. (Specify the weight and width of plastic sheet available)	Make and Model Country of Origin Proposed Specification Weight per sqm Offered Services if any Stock quantity -			
11	Plastic 250 GSM	High Density Polyethylene (HDPE) <b>250 GSM</b> Plastic Sheet for Plastic Pond with standard <b>blue colour</b> (Specify the weight and width of plastic sheet available)	Make and Model Country of Origin Proposed Specification Weight per sqm Offered Services if any Stock quantity -			
12	Metal Sprinkler	High quality <b>metal sprinkler</b> having discharge <b>diameter of 20-25</b> metres with <b>nozzle, stand</b> and connection pipe of size 16-20mm	Make and Model Country of Origin Proposed Specification Offered Services if any Stock quantity -			

Delivery:- All items must be delivered to locations within Pokhara Valley.


Stocks:-Must be capable of meeting required demand quantities.

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

Installation and Commissioning:-Supplier must accomplish proper installation and commissioning on site.

Certification :- Lab certificate regarding machineries power with respected country verified certification must be provided by suppliers.

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

  
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नेपाल सरकार

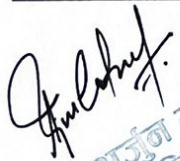
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आ.व. २०८१/८२

थोपा सिचाई(Drip Irrigation) तथा रेन पाइप (Rain hose pipe) जडान सम्बन्धित

सामाग्रीहरू

S.N.	Agricultural Items	Technical Specification (Size Range)	Proposed Specification by Suppliers	Rate (include vat for applicable items)	Rate in Word	Remarks
1	PVC pipe	50mm to 75mm				
2	GTO with rubber washer	16mm to 20mm				
3	Tape lock joiner	16mm to 20mm				
4	Poly tube	16mm to 20mm				
5	Inline Dripper pipe	16mm to 20 mm with variable spacing from 30cm to 60cm				
6	Emitter	2 litre/hour to 8 litre/hour				
7	Seal Tape					
8	Double lock joiner	16mm to 20mm				
9	Pvc valve / control valve	50mm to 75mm				
10	Flush valve pvc	50mm to 75mm				
11	Elbow pvc	50mm to 75mm				
12	Equal tee pvc	50mm to 75mm				
13	MTA pvc	50mm to 75mm				
14	FTA pvc	50mm to 75mm				
15	Perma Fix-Solvent Cement	litre				
16	Union pvc	50mm to 75mm				

  
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**थोपा सिचाई(Drip Irrigation) तथा रेन पाइप (Rain hose pipe) जडान सम्बन्धित**

17	check valve Brass/PVC	50mm to 75mm				
18	Water Filter	Screen/hydrocyclone/sand filter/disc compatible with 50mm to 75mm pipe diameter				
19	Gi Nipple	1.5"*4" or usable size				
20	Ventury for fertigation	Set with compatible size				
21	Manifold PVC	50mm to 75mm				
22	Air release valve	32mm to 75mm				
23	End Cap	50mm to 75mm				
24	Coupler	50mm to 75mm				

**Rain Hose Pipe**

1	Rainpipe	20mm to 32mm				
2	Ball valve	20mm to 32mm				
3	Rainport MTA	20mm to 32mm				
4	Rainport Joiner	20mm to 32mm				
5	Rainport End cap	20mm to 32mm				
6	PT sleeve	20mm to 32mm				
7	Service saddle	20mm to 50mm				

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## सिचाईका आवश्यक सामग्रीहरू

आ.व. २०८१/८२

S.N.	Items	Technical Specification	Capacity	Proposed Specification by Suppliers	Brand Name and country of manufacturing company	Rate (include vat for applicable items)	Rate in Word	Remarks
1	PVC Water Tank	Extra Heavy insulated polyethylene vertical water storage tanks, triple layer is preferred with proper covering and triple layer is preferred. Confirming to Nepal standard or latest modifications. Additional inlet/outlets can be fitted if required.	200 litres					
			500 litres					
			1000 litres					
			1500 litres					
			2000 litres					
			3000 litres					
			5000 litres					
2	High Density Polyethylene (HDPE) Pipe confirming to Nepal Standard or latest modification	16	PN-16 (10Kg/cm <sup>2</sup> )	Not less than 0.09				उपकरणको फोटो, उपकरणको specification खुल्ने catalogs, leaflets आदि समेत पेश गर्नुपर्नेछ ।
		20	PN-16 (10Kg/cm <sup>2</sup> )	Not less than 0.13				
		25	PN-16 (10Kg/cm <sup>2</sup> )	Not less than 0.2				
		32	PN-6 (4Kg/cm <sup>2</sup> )	Not less than 0.22				
		32	PN-10 (6Kg/cm <sup>2</sup> )	Not less than 0.33				
		40	PN-6 (4Kg/cm <sup>2</sup> )	Not less than 0.25				
		40	PN-10 (6Kg/cm <sup>2</sup> )	Not less than 0.35				
		40	PN-16 (10Kg/cm <sup>2</sup> )	Not less than 0.5				
		50	PN-6 (4Kg/cm <sup>2</sup> )	Not less than 0.36				
		50	PN-10 (6Kg/cm <sup>2</sup> )	Not less than 0.54				
		50	PN-16 (10Kg/cm <sup>2</sup> )	Not less than 0.78				
		63	PN-6 (4Kg/cm <sup>2</sup> )	Not less than 0.57				
		63	PN-10 (6Kg/cm <sup>2</sup> )	Not less than 0.8				
		63	PN-16 (10Kg/cm <sup>2</sup> )	Not less than 1.2				
75	PN-6 (4Kg/cm <sup>2</sup> )	Not less than 0.8						

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## सिचाईका आवश्यक सामग्रीहरू

आ.व. २०८१/८२

S.N.	Items	Technical Specification	Capacity	Proposed Specification by Suppliers	Brand Name and country of manufacturing company	Rate (include vat for applicable items)	Rate in Word	Remarks
		75	PN-10 (6Kg/cm <sup>2</sup> )	Not less than 1.19				
		75	PN-16 (10Kg/cm <sup>2</sup> )	Not less than 1.78				
		90	PN-6 (4Kg/cm <sup>2</sup> )	Not less than 1.22				
		90	PN-10 (6Kg/cm <sup>2</sup> )	Not less than 1.7				
		90	PN-16 (10Kg/cm <sup>2</sup> )	Not less than 2.58				
		110	PN-6 (4Kg/cm <sup>2</sup> )	Not less than 1.7				
		110	PN-10 (6Kg/cm <sup>2</sup> )	Not less than 2.5				
		110	PN-16 (10Kg/cm <sup>2</sup> )	Not less than 3.8				
3	<b>Delivery Cotton Pipe</b>	2 inch						
		3 inch						
		4 inch						
4	<b>PVC Suction Hose Pipe (Hard)</b>	2 inch						
		3 inch						
		4 inch						

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