



बाह्रदशी गाउँपालिका गाउँ कार्यपालिकाको कार्यालय

चकचकी, झापा

प.सं. : २०८३/०८४

सू.नं. : ८९

ने.सं. ११४६



कृषि औजार, उपकरण, विषादी तथा जैविक मलको दररेट पेश गर्ने सम्बन्धी सूचना

(सूचना प्रकाशित मिति: २०८३/०५/२६)

यस बाह्रदशी गाउँपालिका, गाउँ कार्यपालिकाको कार्यालयको स्वीकृत वार्षिक कार्यक्रम अनुसार कृषकहरूलाई वितरण गर्न / कार्यालयको प्रयोजनका लागि चालु आर्थिक वर्ष २०८३/०८४ मा विभिन्नकृषि औजार, उपकरण, विषादी तथा जैविक मलखरिद गर्नुपर्ने भएको छ।

उक्त खरिद कार्य अगाडि बढाउन सार्वजनिक खरिद ऐन, २०८३ को दफा ५ र सार्वजनिक खरिद नियमावली, २०६४ को नियम ११ को उपनियम (१) को खण्ड (ख) को व्यवस्था बमोजिम खरिद गरिने मालसामानको यथार्थपरक र अद्यावधिक लागत अनुमान (Cost Estimate) तयार गर्नुपर्ने कानूनी व्यवस्था रहेको छ। तसर्थ, लागत अनुमान तयार गर्ने प्रयोजनार्थ यस कार्यालयमा चालु आर्थिक वर्षका लागि सूचिकृत भएका सम्बन्धित फर्म/आपूर्तिकर्ताहरूले उपलब्ध गराउन सक्ने तपसिल बमोजिमकाकृषि औजार, उपकरण, विषादी तथा जैविक मलकोप्रति एकाइ बजार दररेट (मूल्य अभिवृद्धि कर-VAT बाहेकको) यो सूचना प्रकाशित भएको मितिले ७ (सात) दिनभित्र यस कार्यालयको खरिद एकाइमा प्राप्त हुने गरी पेश गरिदिनुहुन अनुरोध छ। दररेट प्रस्ताव पेश गर्दा फर्मको आधिकारिक लेटरप्याडमा छाप र हस्ताक्षरसहित, अघिल्लो आर्थिक वर्षको कर चुक्ता प्रमाणपत्र र व्यवसाय दर्ता प्रमाणपत्र अनिवार्य रूपमा संलग्न गर्नुपर्नेछ।

S.N	Items Name	Specs	Rate without vat	Specify vatable and non vatable item	Brand Name
1	Spray Tanky Manual (16 liter)	As per attached Specification			
2	Spray Tanky 2 in 1 (16 liter)	As per attached Specification			
3	2 inch Electrical motor	As per attached Specification			
4	1.5 inch Electrical motor	As per attached Specification			
5	1.5" Ns bend pipe	As per attached Specification			
6	Mini corn thresher (Double Roller)	As per attached Specification			
7	Mini corn thresher (Dual Capacitor)	As per attached Specification			
8	3 Inch diameter PVC filter (20 feet long)	As per attached Specification			
9	3"*1 1/2" Dia GI Reducer Tee	As per attached Specification			



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बाह्रदशी गाउँपालिका गाउँ कार्यपालिकाको कार्यालय

चकचकी, झापा



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S.N	Items Name	Specs	Rate without vat	Specify vatable and non vatable item	Brand Name
10	Jap Planter(Makae ropney manual hatey machine)	As per attached Specification			
11	Makae ropney machine chakkewala(Double Barrel Manual Seeder)	As per attached Specification			
12	5 inch delivery pipe	As per attached Specification			
13	1.5 inch delivery pipe	As per attached Specification			
14	Combine mill	As per attached Specification			
15	Chaff cutter	As per attached Specification			
16	Mini Tiller	As per attached Specification			
17	Tarpaulin (9*12 ft)	As per attached Specification			
18	Tarpaulin (12*12 ft)	As per attached Specification			
19	Mesh(jaal)	As per attached Specification			
20	Rotavator (Rotary Tiller)	As per attached Specification			
21	spray tanky (25l,petrol engine)	As per attached Specification			
22	DyangLagauney Halo	As per attached Specification			
23	Makae godney darey halo	As per attached Specification			
24	Plant nutrients (Boron,sulfur and zinc)	Specify rate on the basis of packet like 1kg,5kg)			
25	Vermi compost	Specify rate on the basis of packet like 1kg,5kg)			
26	Plastic tunnel	6*12,120 gsm,color-white			
27	Plastic tunnel	12*12,120 gsm,color-white			
28	Minikit of Local vegetabl seeds				



609/124
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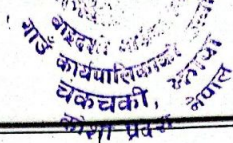


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S.N	Items Name	Specs	Rate without vat	Specify vatable and non vatable item	Brand Name
29	Power tiller	As per attached Specification			
30	Pheromone Trap	For cucurbits fruit fly			
31	Tuta Lure	for tomato leaf minor (Tuta absoluta)			
32	Heli Lure	Helicoverpa armigera			
33	yellow sticky trap				
34	bactericide 6 gm(packet)	streptomycin sulphate 90%+ tetracyclin 10%			
35	Emamectin Benzoate(packet)	Emamectin Benzoate 5% SG			
36	Dimethoate 100 ml	Dimethoate 30% EC			
37	cypermethrin 100 ml	cypermethrin 25% EC			
38	Multineem 100ml	Azadiractin 0.003%			
39	leucenodes Lure	leucenodesorbonalis			
40	SAFF (packet)	carbendazim12% +mancozeb63%			
42	Digital Soil pH Meter	As per attached Specification			
43	Trichoderma				
44	Bt (Bacillus thuringiensis) 100 ml	Bt (Bacillus thuringiensis)			
45	Soil Auger	As per attached Specification			
46	zip plastic bag				
47	Gps Machine	As per attached Specification			
48	Rhizobium				
49	Azotobacter				
50	Potash Mobilizing Bacteria (KMB)				
51	Phosphate Solubilizing Bacteria (PSB)				



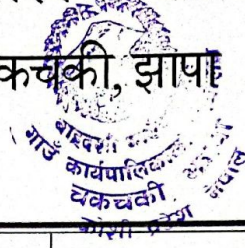
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ने.सं: ११४६

S.N	Items Name	Specs	Rate without vat	Specify vatable and non vatable item	Brand Name
52	Combination of Trichoderma, Rhizobium, Azotobacter, Potash Mobilizing Bacteria (KMB) and Phosphate Solubilizing Bacteria (PSB)				

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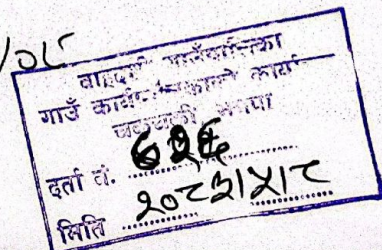
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TECHNICAL SPECIFICATIONS
Electric Chaff Cutter (Dual Mode: Manual & Electric)

Sl. No.	Particulars/Description	Technical Requirement	Offered Specification	Compliance/Remarks
1	Make and Model	Any standard reputed brand		
2	Type and Shape	Stand Type Chaff Cutter		
3	Operation Mode	Dual Mode: Manual and Electric		
4	Automation Grade	Semi-Automatic		
5	Electric Motor	2 HP, Single Phase, 1450 RPM		
6	Roller Size & Quantity	At least 9 inch roller size; min 3 Rollers		
7	Number of Cutting Blades	2 Blades		
8	Blade Material	High Carbon Steel / High-quality Cast Iron for durability		
9	Body Material & Frame	Heavy-duty Mild Steel with angle patti, plate, nut bolt, gear box & anti-corrosive coating		
10	Cast Iron Components	Cast iron for roller, bracket, motor pulley, and gear		
11	Gear Set	Gear set with min 32 teeth		
12	Drive & Transmission System	Combination of F/V-belt (safety guard enclosure		
13	Rotation Direction	Clockwise		
14	Processing Capacity	200 – 400 kg per hour		
15	Output Chaff Size & Type	10 – 15 mm finely chopped fodder suitable for cattle feed		
16	Mounting Base & Weight	Anti-vibration rubber feet or steel skid base; Dry weight not less than		



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NEC Rgd. No.: 3307
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		100 kg		
17	Color	Any standard		
18	Certification	NS or ISI or ISO certified		
19	User's Manual	1 copy in English / Nepali		
20	Warranty & Support	Minimum 1 Years warranty with servicing and repair maintenance availability		

13
208315/5

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TECHNICAL SPECIFICATIONS
Trolley Earth Auger / Soil Digger Machine

S.N.	Particulars	Purchaser's Required Specification	Offered Specification	Compliance / Remark
1	Item Name	Handheld Soil Auger Sampling Tool		
2	Material	High-grade Stainless Steel		
3	Type / Design	Manual T-handle twist drill sampler		
4	Application	Soil drilling, sampling, and core extraction		
5	Sampler Head Outer Diameter	51 mm (External) (± 5 mm tolerance)		
6	Sampler Head Inner Diameter	44 mm (Internal) (± 5 mm tolerance)		
7	Handle Type	T-bar handle with non-slip grips		
8	Length Type	Taper-length shaft design		
9	Accessories / Supply	Complete manual sampling assembly unit		
10	Warranty	Minimum 1 year from date of supply		

2083/5/5
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NEC Rgd. No.: 3307
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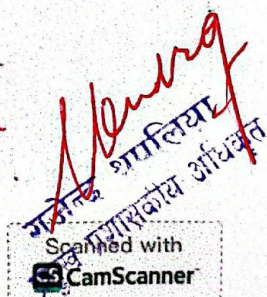


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TECHNICAL SPECIFICATIONS
Handheld GPS Device

S/N	Particulars	Purchaser's Required Specification	Offered Specification	Compliance/Remarks
1	Type	Compact, ultra-lightweight handheld satellite communicator & GNSS navigator		
2	Display	Monochrome/Color display, minimum 0.9" x 0.9" (175 x 175 pixels resolution)		
3	Weight & Dimensions	Maximum 100 g; pocket-sized, high-impact rugged casing		
4	Satellite Network	Global satellite network support for 2-way messaging & interactive SOS		
5	GNSS / Tracking	Multi-GNSS receiver (GPS, GALILEO, QZSS or equivalent)		
6	Emergency & Safety	Dedicated interactive SOS alert capability to 24/7 monitoring center		
7	Communication	Two-way text messaging and live location/tracking sharing		
8	Connectivity	Bluetooth wireless interface for smartphone pairing; USB interface		
9	Compass & Sensors	Digital compass with heading guidance and track-back routing		
10	Water / Dust Rating	Minimum IPX7 waterproof standard		
11	Battery	Internal rechargeable lithium battery; minimum 14 days operational battery life in 10-min tracking mode		
12	Accessories	Device, USB charging cable, attachment clip/carabiner, user manual		
13	Warranty	Minimum 1 year from date of delivery		

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NEC Rgd. No.: 3307
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TECHNICAL SPECIFICATIONS
18 HP Diesel Power Tiller

S. N.	PARTICULARS	Purchaser's Required Specification	Offered Specification	Compliance/ Remarks
1	General	Power Tiller of standard design having gross vehicle weight not less than 450 kg		
2	Engine	Single cylinder, Four stroke, water cooled system, Diesel engine, developing maximum power not less than 18 HP		
3	Starting Type	Hand Cranking with handle		
4	Transmission System	Minimum 6 forward and 2 reverse		
5	Tilling Depth	170 mm or above		
6	Tilling Width	850 mm or above		
7	Fuel Tank Capacity	Minimum 10 litres		
8	Tyre	Standard Size		
9	Blades	Minimum 26 pieces		
10	Color	Standard Color		
11	Tools	A set of tools as required for general maintenance shall be supplied within a lockable tool box for each unit		
12	Warranty	Manufacturer shall provide minimum 1 year of warranty		

208315/5

Er. Dilip Kumar Mandal
NEC Rgd. No.: 3307
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TECHNICAL SPECIFICATIONS
Thela Gada / Wheelbarrow (Single-Wheel Handcart)

S.N.	Particulars	Purchaser's Requirement	Offered Specification	Compliance/ Remarks
1	Type	Single-wheel manual handcart / wheelbarrow		
2	Material of Construction	Mild Steel (MS) frame and tub/tray structure		
3	Surface Finishing	Painted with anti-rust, weather-resistant industrial-grade enamel paint		
4	Load Carrying Capacity	Minimum 40-60 kg of uniformly distributed load		
5	Gross Weight	Not less than 18 kg		
6	Wheel Type	Pneumatic tyre with metal rim and hub		
7	Tyre Size	3.50 x 8 inches (pneumatic rubber tyre) or equivalent standard size		
8	Axle Type	Mild steel solid round bar axle (diameter approx. 20-25 mm)		
9	Handle & Grips	Ergonomic twin tubular steel handles with rubber/PVC hand grips		
10	Support Legs & Base	Heavy-duty MS flat/tubular stand for stability during loading		

135
2083/5/5

Er. Dilip Kumar Mandal
NEC Rgd. No.: 3307
"Mechanical"
Category- 'A'



135/5/5
गजेन्द्र शर्मा
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TECHNICAL SPECIFICATIONS
4-in-1 Soil Survey Instrument (Soil pH Machine)

S.N.	Particulars / Parameters	Purchaser's Requirement	Offered Specification	Compliance / Remarks
1	Equipment Name	4 in 1 Soil Survey Instrument		
2	Parameters Measured	Sunlight, Soil Moisture, Soil pH, Temperature		
3	pH Measurement Range	3.5 to 9.0 (Resolution: 0.5)		
4	Sunlight Range	9 Levels		
5	Moisture Range	5 Levels		
6	Temperature Range	-9°C to +50°C (Resolution: 1°C / 1°F)		
7	Power Source	1 × 9V Battery (6F22)		
8	Power Management	Auto power-off after 5 minutes		
9	Operating Environment	+5°C to +40°C		
10	Weight	Lightweight portable design		
11	Accessories & Display	LCD Display, Cleaning Cloth, User Manual		
12	Warranty	Minimum 1 Year Warranty		

2083/5/5
Er. Dilip Kumar Mandal
NEC Rgd. No.: 3307
"Mechanical"
Category- 'A'



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TECHNICAL SPECIFICATIONS
Technical Specification of Manual Maize Weeder / Cultivator

S/N	Item	Required Specification	Offered Specification	Compliance / Remarks
1	Equipment Type	Manual Hand-Pushed / Pulled Maize Weeder (मकै रोड़ने वाले हल्ला)		
2	Operation Mode	Manual Human-Powered		
3	Number of Tines / Blades	Min. 5 Tooth / Tine Adjustable Assembly		
4	Tine / Blade Material	High-Carbon Steel / Hardened Forged Steel		
5	Working Width	Adjustable spacing (150 mm – 300 mm / 6–12 inches)		
6	Working Depth	Adjustable depth control (25 mm – 75 mm)		
7	Handle Structure	Ergonomic Tubular Mild Steel Pipe with Rubberized Hand Grips		
8	Wheel Assembly	Heavy-Duty Front Guide Wheel (Metal / Solid Rubber)		
9	Coating / Finish	Powder-Coated / Anti-Corrosive Paint Finish		
10	Warranty	Min. 1 Year Warranty		

20831515
Er. Dilip Kumar Mandal
NEC Rgd. No.: 3307
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TECHNICAL SPECIFICATIONS
Technical Specification of Manual Weeder

S.N.	Item	Required Specification	Offered Specification	Compliance / Remarks
1	Equipment Type	Manual Wheel Weeder / Push-Pull Weeder		
2	Operation Mode	Manual Human-Powered (Push-Pull Type)		
3	Working Width	150 mm – 200 mm (15–20 cm)		
4	Blade Material	High-Carbon Steel / Hardened Spring Steel		
5	Wheel Type	Heavy-Duty MS Steel / Polymer Wheel with Grip Threads		
6	Handle Type	Ergonomic Tubular Pipe Handle with Rubberized Grip		
7	Working Depth	Adjustable up to 25–50 mm		
8	Application	Inter-crop weeding and soil aeration for row crops		
9	Coating / Finish	Powder-coated / Anti-corrosive Paint Finish		
10	Warranty	Min. 1 Year Warranty		

13-
2083/5/5

Er. Dilip Kumar Mandal
NEC Rgd. No.: 3307
"Mechanical"
Category- 'A'



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TECHNICAL SPECIFICATION

Technical Specification of 25 Liter Power Sprayer Tank (Petrol Engine)

S.N.	Item	Required Specification	Offered Specification	Compliance / Remarks
1	Identification	Equipment Type: Power Sprayer (Engine Operated) Application: Professional Agricultural Spraying		
2	Power Plant	Engine Type: 4-Stroke Petrol Engine (Air-Cooled) Displacement: Approx. 35 cc Fuel Type: Petrol Lubrication: Dedicated 4-Stroke Engine Oil Sump		
3	Performance	Working Pressure: 1.5 – 2.5 MPa Discharge Rate: 3.0 – 8.0 L/min		
4	Capacity	Chemical Tank: 25 Liters (High-Density UV-Stabilized Plastic) Fuel Tank: Approx. 900 ml		
5	Weight	Net Weight: Approx. 11 kg		
6	Box Contents	• Main Unit: 1 Unit (Integrated Tank with Engine Assembly) • Delivery System: 1 High-Pressure Hose Pipe & 1 Sprayer Lance • Nozzle Set: 1 Set of 3-Head Nozzles for Wide Coverage • Maintenance Accessories: 1 Tool Kit & 1 Heavy-Duty Padded Belt • Controls: Pressure Adjuster & Operation Manual • Consumables: 1 Bottle of 4-Stroke Engine Oil		

13-5
2083/5/5

Er. Dilip Kumar Mandal
NEC Rgd. No.: 3307
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TECHNICAL SPECIFICATIONS
Technical Specification of Rotary Tiller (7 ft)

S/N	Item	Specification	Offered Specification	Compliance / Remarks
1	Type	Rotary Tiller		
2	Working Width	7 ft ($\approx$ 213 cm) ¹		
3	Number of Blades	60		
4	Working Depth	22 cm (adjustable)		
5	RPM	1000 (multi-speed)		
6	Power Requirement	45-50 HP (Tractor PTO)		
7	Transmission Type	Side gear transmission in oil bath		
8	Rotor Bearings	Oil bath lubricated		
9	Frame	Strong, durable structure		
10	Skids	Adjustable-depth skids		
11	Warranty	2 Years		
12	Special Features	High mixing of crop residues, low fuel consumption, waterproof rotor hub sealing		

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TECHNICAL SPECIFICATIONS
Technical Specification of Mesh (Jaal)

S.N.	Item	Specification	Offered Specification	Compliance / Remarks
1	Mesh	Width: 2 ft (approx.); Length: 50 m per roll		
2	Thickness / Weight	100 GSM (not less than that)		
3	Heat Resistance	Stable up to 70°C (158°F) minimum		
4	Application	Air drying of agricultural grains		

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TECHNICAL SPECIFICATIONS
Technical Specification of Tarpaulin Sheet (12 x 12 ft)

S.N.	Description	Required Specifications	Offered Specification	Compliance / Remarks
1	Size	12 ft x 12 ft (3.6 m x 3.6 m)		
2	Material	HDPE woven fabric, LDPE laminated both sides		
3	Weight	Min. 180 to 200 GSM		
4	Features	100% Waterproof, UV stabilized, tear-resistant		
5	Reinforcement	Heat-sealed edges with rope hem & plastic corners		
6	Certification & Warranty	IS/ISO certified; Min. 1 Year warranty		

13-
208315/4

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"Mechanical"
Category- 'A'



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प्रमुख प्रशासकीय अधिकृत

TECHNICAL SPECIFICATION
Technical Specification of Tarpaulin (9 x 12 ft)

S.N.	Description	Required Specifications	Offered Specification
1	Size	9 ft x 12 ft (2.7 m x 3.6 m)	
2	Material	HDPE woven fabric, LDPE laminated both sides	
3	Weight	Min. 180 to 200 GSM	
4	Features	100% Waterproof, UV-stabilized, tear-resistant	
5	Reinforcement	Heat-sealed edges with rope hem & plastic corners	
6	Certification & Warranty	IS/ISO certified; Min. 1 Year warranty	

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TECHNICAL SPECIFICATIONS
Technical Specification of 7HP Mini Tiller

S/N	Description	Required Specifications	Offered Specification	Compliance/Remarks
1	Engine Type	Single cylinder, 4 stroke, Air cooled, Diesel engine		
2	Engine power	Minimum 7 HP @ 3600 rpm		
3	Starting system	Recoil (Manual) / Electric start		
4	Fuel tank capacity	Minimum 3.5 Litres		
5	Gear Speeds	3 Speeds (2 Forward + 1 Reverse)		
6	Number of Blades	Minimum 32 Blades		
7	Cultivation Width	900 mm to 1200 mm		
8	Tilling Depth	≥ 100 mm		
9	Operating Weight	110 to 130 kg		
10	Handle Adjustment	Height (Vertical) and Angle (Horizontal) Adjustable		
11	Tyre Size & Type	4.00 - 8 (Solid rubber)		
12	Clutch System	Friction Plate / Dual Clutch		
13	Fuel Consumption	≤ 1.0 Litre/hr		
14	Accessories & Tools	Rotary blades, cage wheels/antiskid wheels, and standard tool kit		
15	Demonstration & Training	On-site operation, safety, and maintenance training upon delivery		
16	Certification Standard	NS / ISI / ISO or equivalent quality standard		
17	User Manual	1 Copy in English		
18	Warranty & After-Sales	Minimum 1 Year comprehensive warranty		

13-
208315/3

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TECHNICAL SPECIFICATIONS
Combined Rice Milling Machine (Rice Mill + Crusher)

S.N.	Particulars	Purchaser's Required Specification	Offered Specification	Compliance / Remarks
1	Machine Type	Combined Rice Milling Machine (Rice Mill + Crusher)		
2	Motor Power	2.2 kW / 3 HP		
3	Motor Winding	Copper Winding		
4	Voltage / Phase	220V, Single Phase, 50 Hz		
5	Motor Speed	2800 RPM		
6	Structure / Frame	Heavy-duty Mild Steel body with rigid welded frame		
7	Rice Milling Capacity	≥ 180 kg/hr		
8	Rice Recovery Ratio	$\geq 70\%$		
9	Broken Rice Percentage	$\leq 30\%$		
10	Crusher Capacity	≥ 250 kg/hr		
11	Crushing Mechanism	High-speed hammer / impact type		
12	Safety & Protection	Safety cover on rotating parts; thermal overload protection		
13	Warranty	Minimum 1 Year		

13-
2083/5/3

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TECHNICAL SPECIFICATIONS
Technical Specification for 5 Inch Delivery Pipe

S.N.	Particulars	Purchaser's Required Specification	Offered Specification	Compliance / Remarks
1	Material	Virgin LDPE / Nylon Reinforced Polymer		
2	Outer Diameter (OD)	5" (125 mm)		
3	Wall Thickness	1.5 mm (Max)		
4	Weight per Roll	Approx. 25 kg		
5	Color & Finish	White or any standard color		
6	Application / Use	Agriculture Irrigation, Water Supply, and Liquid Transfer		
7	Operating Temperature	-10°C to 60°C		
8	Flexibility & Bend Radius	Highly flexible (suitable for easy rolling, coiling, and field transport)		

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TECHNICAL SPECIFICATIONS
Technical Specification for 4 Inch Delivery Pipe

S.N	Particulars	Purchaser's Required Specification	Offered Specification	Compliance / Remarks
1	Material	Virgin LDPE / Nylon Reinforced Polymer		
2	Outer Diameter (OD)	4" (100 mm)		
3	Wall Thickness	1.5 mm (Max)		
4	Weight per Roll	Approx. 25 kg		
5	Color & Finish	White or any standard color		
6	Application / Use	Agriculture Irrigation, Water Supply, and Liquid Transfer		
7	Operating Temperature	-10°C to 60°C		
8	Flexibility & Bend Radius	Highly flexible (suitable for easy rolling, coiling, and field transport)		

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TECHNICAL SPECIFICATIONS

Technical Specification for 1.5 Inch Delivery Pipe

S.N.	Particulars	Purchaser's Required Specification	Offered Specification	Compliance / Remarks
1	Material	Virgin LDPE / Nylon Reinforced Polymer		
2	Outer Diameter (OD)	1.5" (38 mm)		
3	Wall Thickness	1.5 mm (Max)		
4	Weight per Roll	Approx. 15 – 25 kg		
5	Color & Finish	White or any standard color		
6	Application / Use	Agriculture Irrigation, Water Supply, and Liquid Transfer		
7	Operating Temperature	-10°C to 60°C		
8	Flexibility & Bend Radius	Highly flexible (suitable for easy rolling, coiling, and field transport)		

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TECHNICAL SPECIFICATIONS
Manual Hand-Push Seeder & Fertilizer Planter

S.N.	Particulars	Purchaser's Required Specification	Offered Specification	Compliance / Remarks
1	Product Name & Model	Manual Hand-Push Seeder & Fertilizer Planter (12T Rotary Seed Drill Type)		
2	Performance & Configuration	• Operation: Manual (No fuel/electricity required) • Tynes / Row: 12 Precision Teeth, Single Row Configuration • Seeding Distance: Adjustable 8" to 12" (20 cm to 30 cm) • Planting Depth: Fixed/Adjustable Rotary Injection		
3	Construction & Metering	• Body: High-impact hard durable plastic • Handle: Mild Steel (MS) with ergonomic grip • Teeth: Corrosion-resistant stainless steel • Metering System: Rotary drum/roller seeding mechanism		
4	Physical Data & Mobility	• Wheel: Traction-focused rotary drive • Weight: Approx. 7.0 kg • Design: Lightweight, compact-design for easy transport		
5	Crop Compatibility	Suitable for Corn, Maize, Soy, Legumes, and similar crops		

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TECHNICAL SPECIFICATIONS
Double Barrel Portable Seed & Fertilizer Seeder

S.N.	Particulars	Purchaser's Required Specification	Offered Specification	Compliance / Remarks
1	Product Name & Type	Double Barrel Portable Seed & Fertilizer Seeder (Manual Push/Trigger Type)		
2	Operation & Performance	• Operation: Manual hand operated (no fuel or electricity required) • Seeding Capacity: 1-3 seeds per operation • Working Efficiency: Approx. 8,000 - 10,000 m²/day		
3	Application Crops	Corn, Soybean, Peanut, Cotton, and similar agricultural crops		
4	Construction & Design	• Body Material: High-impact durable plastic/polymer body • Barrel Type: Double barrel (dual chamber for seed and fertilizer) • Handle & Metering: Ergonomic handheld portable handle with manual trigger seed release mechanism		
5	Weight & Physical Data	• Net Weight: Approx. 2.5 kg • Design: Lightweight portable agricultural planter		

15-
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TECHNICAL SPECIFICATIONS
2 HP Water Pump (3 Inch / 80 × 80 mm)

SIN.	Particulars	Purchaser's Required Specification	Offered Specification	Compliance / Remark
1	General Performance	- Type: Monoblock Centrifugal Water Pump - Power: Minimum 2.0 HP (1.5 kW) - Phase: Single Phase - Voltage: 140–240 V AC, 50 Hz, or technically equivalent suitable supply - Frequency: 50 Hz - Rated Speed: Approx. 2800–2900 RPM - Suction/Delivery Size: 80 × 80 mm (3" × 3") - Overall Efficiency: Minimum 50% - Suitable for continuous water pumping operation		
2	Hydraulic Performance	Minimum discharge capacity: 14 L/s @ 6 m head 7.5 L/s @ 12 m head - Manufacturer's pump performance curve shall be submitted.		
3	Motor & Coil Construction	- Starting & Running Winding: 100% Pure Copper - Minimum Motor Weight-(37-42kg) - Minimum Total Copper Coil Weight: 2.0 kg - Suitable insulation for continuous operation - Suitable thermal/overload protection - Capacitor/starting arrangement as per manufacturer's standard design - Manufacturer/Supplier shall provide a certificate confirming 100% pure copper winding and actual copper coil weight.		

15-
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S.N.	Particulars	Purchaser's Required Specification	Offered Specification	Compliance/Remark
4	Materials of Construction	• Impeller: Cast Iron or technically equivalent/superior material • Motor Body: Cast Iron or technically equivalent/superior material • Pump Shaft: Carbon Steel/Stainless Steel or technically equivalent/superior material • Pump Casing: Cast Iron or technically equivalent/superior material • Seal: Heavy-duty Mechanical Seal		
5	Quality & Documents	• Brand new and unused • Manufacturer's technical catalogue/data sheet • Manufacturer's pump performance curve • Relevant quality/test documents, where applicable • Nameplate showing manufacturer, model, power, voltage and frequency • Copper winding and coil-weight certificate		
6	Corrosion Protection	Suitable anti-corrosion coating/painting. CED coating or technically equivalent anti-corrosion treatment shall be acceptable.		
7	Accessories	• Heavy-duty 3-inch flexible suction hose – 3 ft: 1 No. • 3-inch NS Bend: 1 No. • CI Hose Nipple with outer thread: 1 No. • CI Hose Nipple with inner thread: 1 No.		
8	Warranty	Minimum 1 Year (12 Months) comprehensive warranty against manufacturing defects.		

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TECHNICAL SPECIFICATIONS
3-Inch Boring Set (Pipes, Filter & Accessories)

S.N	Particulars	Purchaser's Required Specification	Offered Specification	Compliance / Remarks
1	3" Dia PVC Pipe (20 ft total)	Diameter: 3" (90 mm Outer Dia); Length: 10 ft per piece ,Heavy/Medium duty, minimum weight 4.5 kg per 10 ft piece; NS/IS standards compliant		
2	3" Dia PVC Strainer / Filter (20 ft total)	Diameter: 3" (90 mm Outer Dia); Length: 10 ft per piece ,Ribbed/Slotted strainer pattern; Minimum weight 4.0 kg per 10 ft piece		
3	3" Dia NS GI Pipe	Diameter: 3" (80 mm NB); Length: 1.5 m (approx. 5 ft); Medium grade GI (Nepal Standard NS compliant); Fully threaded on both ends with socket; Minimum weight 6.0 kg		
4	3" x 3" x 1.5" GI Reducer Tee	Cast Iron / Malleable Iron construction; Heavy pattern; Threading: Internal thread on 3" and 1.5" outlets, External thread on 3" outlet (or standard-compliant reducing configuration)		
5	1.5" GI Nipple	Diameter: 1.5" (40 mm NB); Length: 6 inches (150 mm); Medium grade GI pipe material; Both ends threaded		
6	Tubewell Head (Normal)	Cast Iron Tubewell Head / Base assembly; Minimum unit weight 16.0 kg; Heavy-duty pattern designed for suction line connection		

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TECHNICAL SPECIFICATIONS
4-Inch Boring Set (Pipes, Filter & Accessories)

S.N.	Particulars	Purchaser's Required Specification	Offered Specification	Compliance / Remarks
1	4" Dia PVC Pipe (20 ft total)	Diameter: 4" (110 mm Outer Dia); Length: 10 ft per piece Heavy/Medium duty, minimum weight 7.0 kg per 10 ft piece; NS/IS standards compliant		
2	4" Dia PVC Strainer / Filter (20 ft total)	Diameter: 4" (110 mm Outer Dia); Length: 10 ft per piece, Ribbed/Slotted, strainer pattern; Minimum weight 6.0 kg per 10 ft piece		
3	4" Dia NS GI Pipe	Diameter: 4" (100 mm NB); Length: 1.5 m (approx. 5 ft); Medium grade GI (Nepal Standard NS compliant); Fully threaded on both ends with socket; Minimum weight 9.0 kg		
4	4" x 3" x 1.5" GI Reducer Tee	Cast Iron / Malleable Iron construction; Heavy pattern; Threading: Internal thread on 4" and 1.5" outlets, External thread on 3" outlet (or standard standard-compliant reducing configuration)		
5	1.5" GI Nipple	Diameter: 1.5" (40 mm NB); Length: 6 inches (150 mm); Medium grade GI pipe material; Both ends threaded		
6	Tubewell Head (Normal)	Cast Iron Tubewell Head / Base assembly; Minimum unit weight 16.0 kg; Heavy-duty pattern designed for suction line connection		

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TECHNICAL SPECIFICATIONS
Maize Sheller (Dual Capacitor Motor)

S.N.	Particulars	Purchaser's Required Specification	Offered Specification	Compliance / Remarks
1	General Description	Single-phase asynchronous motor-driven Maize Sheller equipped with a dual capacitor (start & run) system and multi-speed / adjustable transmission mechanism for corn shelling operation		
2	Power Requirement	Minimum power capacity of 1.5 kW (approx. 2.0 HP)		
3	Rotor Size	Rotor diameter: Maximum 590 mm (or standard equivalent)		
4	Output Capacity	Shelling performance: Minimum 400 kg/hr under standard operating conditions		
5	Machine Dimensions	Overall size: Minimum 700 mm (L) x 350 mm (W) x 250 mm (H) (approx.)		
6	Total Weight	Gross machine weight: Minimum 18 kg		
7	Electrical & Voltage	Single Phase, 160V-240V, 50 Hz		
8	Warranty & Support	Minimum 1 Year (12 Months) comprehensive warranty against manufacturing defects with maintenance support		

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TECHNICAL SPECIFICATIONS
Mini Corn Thresher (Double Roller) with Motor

S.N.	Particulars	Purchaser's Required Specification	Offered Specification	Compliance / Remarks
1	Machine Type & System	Mini Corn Thresher / Maize Sheller with Heavy-Duty Double Roller Mechanism		
2	Threshing Capacity	2 to 3 Ton/hr (Minimum 2.0 Ton/hr under standard operating conditions)		
3	Spindle / Operating Speed	Spindle Speed: Approx. 1600-1700 RPM		
4	Body Frame & Construction	Mild Steel (MS) heavy frame with powder-coated / anti-rust paint finish		
5	Mobility & Design	Mounted on sturdy legs equipped with heavy-duty transport wheels for easy maneuverability		
6	Overall Dimensions	Approx. 1000-1050 mm (L) x 350 mm (W) x 290-340 mm (H)		
7	Electric Motor Type	Single Phase, Two-Value Capacitor (Start & Run) Asynchronous Induction Motor		
8	Motor Power Rating	1.5 kW (Approx. 2.0 HP)		
9	Voltage & Frequency	Single Phase, 160V-240V, 50 Hz		
10	Motor Speed & Current	Motor Speed: 2800-2900 RPM; Rated Current: Approx. 10 A to 11 A		
11	Capacitor Rating	Running Capacitor: Approx. 35 μ F / 450V; Starting Capacitor: Approx. 200 μ F / 250V		
12	Warranty & Support	Minimum 1 Year (12 Months) comprehensive warranty against manufacturing defects with maintenance service support		



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TECHNICAL SPECIFICATIONS
1 HP Monoblock Centrifugal Water Pump (2-inch)

S.N.	Particulars	Purchaser's Required Specification	Offered Specification	Compliance // Remarks
1	Pump Type	Monoblock Centrifugal Water Pump		
2	Power Rating	0.75 kW / 1 HP		
3	Power & Voltage	Single Phase, 160V ^L -240V, 50 Hz		
4	Operating Speed	2700-2900 RPM		
5	Suction & Delivery Size	50 mm x 50 mm (2" x 2")		
6	Rated Head	Minimum 6.0 to 6.4 meters		
7	Discharge Flow Rate	Minimum 6.5 LPS at 6m head (or equivalent performance curve).		
8	Overall Efficiency & Weight	Overall Efficiency $\geq$ 40%; Total Weight: approx (28-30) kg		
9	Construction Materials	Impeller & Body: Cast Iron; Shaft: Carbon Steel / SS; Coil: 100% Copper; Sealing: Mechanical Seal		
10	Certification & Warranty	ISO Certified; Minimum 1 Year (12 Months) warranty on manufacturing defects		
11	Accessories	• Heavy-duty 2-inch flexible suction hose – 3 ft • 2" NS Bend – 1 piece • CI Hose Nipple with outer thread – 1 piece • CI Hose Nipple with inner thread – 1 piece		



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TECHNICAL SPECIFICATIONS
0.75 HP Monoblock Centrifugal Water Pump (1.5-inch)

S/N.	Particulars	Purchaser's Required Specification	Offered Specification	Compliance / Remarks
1	Pump Type	Monoblock Centrifugal Water Pump		
2	Power Rating	0.75 HP (approx. 0.5 kW kW)		
3	Power & Voltage	Single Phase, 160V-240V, 50 Hz		
4	Operating Speed	2700-2900 RPM		
5	Suction & Delivery Size	40 mm x 40 mm (1.5" x 1.5")		
6	Operating Head Range	Head Range: 6 m to 12 m (Max Head $\geq$ 12 m)		
7	Discharge Flow Rate	Minimum 5.0 LPS at 6m head (or equivalent duty point curve)		
8	Efficiency & Weight	Overall Efficiency $\geq$ 40%; Net Weight: Max (20-25) kg		
9	Motor & Coil Construction	100% Pure Copper Winding (Starting & Running Coils), Coil Weight $\geq$ 1 kg; Capacitance: Standard matched (approx. 20-25 MFD)		
10	Materials of Construction	Impeller & Body: Cast Iron (or CED coated); Shaft: Carbon Steel / SS; Sealing: Mechanical Seal		
11	Protection & Coating	Thermal Overload Protector (TOP) built-in; Anti-corrosion protective coating (CED/Epoxy)		
12	Certification & Warranty	ISO Certified manufacturer; Minimum 1 Year (12 Months) warranty against manufacturing defects		
13	Accessories	• Heavy-duty 1.5-inch flexible suction hose – 3 ft • 1.5" NS Bend – 1 piece • CI Hose Nipple with outer and inner thread – 1 piece each		



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TECHNICAL SPECIFICATIONS
16 Liter Battery & Manual Sprayer (2 in 1)

S.N	Particulars	Purchaser's Requirement	Offered Specification	Compliance / Remarks
1	Type	2-in-1 Dual Operated (Manual & Battery)		
2	Tank Capacity	16 Liters		
3	Tank Material & Thickness	HDPE / Plastic, 1-2 mm thickness		
4	Battery & Charger	12V 8AH rechargeable battery with 1.0A charger		
5	Working Pressure	Minimum 2 bar		
6	Pump Handle	Ergonomic plastic/metal lever		
7	Hose	Length: 1.5-2m, Material: Reinforced PVC/Rubber		
8	Nozzles & Accessories	Adjustable nozzle; includes 3 types (Single, Double, Flower)		
9	Spray Handle & Seal	Trigger lock grip; leak-proof cap with gasket & strainer		
10	Discharge Flow	Min 2000 ml/min		
11	Back Pad & Assembly	Padded back support; properly assembled		
12	Warranty	Minimum 1 Year		

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TECHNICAL SPECIFICATIONS
16 Liter Manual Knapsack Sprayer

S.N.	Particulars	Purchaser's Requirement	Offered Specification	Compliance / Remarks
1	Type	Manual Knapsack Sprayer (Lever Operated)		
2	Tank Capacity	16 Liters		
3	Tank Material & Thickness	HDPE / Plastic, 1-2 mm thickness		
4	Working Pressure	Minimum 2 bar		
5	Pump Handle	Ergonomic plastic/metal lever		
6	Hose	Length: 1.5-2m, Material: Reinforced PVC/Rubber		
7	Nozzles & Accessories	Adjustable nozzle; includes 3 types (Single, Double, Flower)		
8	Spray Handle & Lance	Trigger lock grip with extension lance		
9	Seal Type	Leak-proof cap with gasket & strainer		
10	Discharge Flow	Min 2000 ml/min		
11	Back Pad & Assembly	Padded back support; properly assembled		
12	Warranty	Minimum 1 Year		

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