

National Dairy Development Programme
(Dairy Hub)

Machinery and Equipment Specifications

1. **Fodder harvesting, Conservation and Feed Processing Machineries**

Chuff Cutter - 500 Kg/ hr

S.No.	Item	Required Specifications	Bidders Specifications	
			Yes / No	If "No" Indicate Your offer
1	Type	Electrically driven Chaff Cutter		
2	Model	Specify		
3	Brand	Specify		
4	Country of Manufacture	Specify		
5	Mode of Operation	Specify		
6	Power Source	Single Phase Electric Motor		
7	Voltage	230 V, 50 Hz		
8	Power	≥2 HP		
9	Cutting Capacity	≥ 500Kg/ hr (Green Fodder)		
10	Number of Cutting Blades	3		
11	Blade Material	Fully Steel made		
12	Range of Chopping	Napier, Guinea, Maize, Gliricidia, Hay and Paddy Straw, Banana trunk and etc.		
13	Out put Nozzle	Specify (Optional - rotatable 360 degrees)		
14	Length of Cut	Adjustable or 15-30 mm		
15	Warranty	Minimum 2 years for the Machine and 1 year for the motor		
16	Quality Standards Certificates	Specify		
17	Past Supply experience and feedback of users	Specify		
18	Availability of spare parts technical support and after sale service in Islandwide.	Specify		
19	Availability of all accessories, relevant operation and maintenance manuals in Sinhala and Tamil.	Specify		
20	A practical demonstration of the machine and its operation will be provided upon request by the Technical Committee.	Specify		
21	Unit price without VAT (Rs)			
22	Unit price with VAT (Rs)			
23	Total price without VAT(Rs)			

24	Total price with VAT (Rs)			
Technical details & product brochure should be attached with the tender document				

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Date

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Bidder's Signature

Chaff Cutter - 800Kg/hr

S.No.	Item	Required Specifications	Bidders Specifications	
			Yes / No	If 'No' Indicate Your offer
1	Type	Electrically driven Chaff Cutter		
2	Model	Specify		
3	Brand	Specify		
4	Country of Manufacture	Specify		
5	Mode of Operation	Specify		
6	Power Source	Single Phase Electric Motor		
7	Voltage	230 V, 50 Hz		
8	Power	≥ 2 HP		
9	Cutting Capacity	≥ 800Kg/hr (Green Fodder)		
10	Number of Cutting Blades	3		
11	Blade Material	High hardened/ carbon steel material		
12	Range of Chopping	Napier, Guinea, Maize, Gliricidia, Hay and Paddy Straw, Banana trunk and etc.		
13	Out put Nozzle	Specify (Optional-rotatable 360 degrees)		
14	Length of Cut	Adjustable or 15-30 mm		
15	Warranty	Minimum 2 years for the Machine and 1 year for the		
16	Quqlity Standeards	Specify		
17	Past Supply experience and feedback of users	Specify		
18	Availability of spare parts technical support and after sale service in Islandwide.	Specify		
19	Availability of all accessories, relevant operation and maintenance manuals in Sinhala and Tamil.	Specify		
20	A practical demonstration of the machine and its operation will be provided upon request by the Technical Committee.	Specify		
21	Unit price without VAT (Rs)			
22	Unit price with VAT (Rs)			
23	Total price without VAT(Rs)			

24	Total price with VAT (Rs)			
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Bidder's Signature

Chaff Cutter - 1000 Kg/ hr

S.No.	Item	Required Specifications	Bidders Specifications	
			Yes / No	If "No" Indicate Your offer
1	Type	Electrically driven Chaff Cutter		
2	Model	Specify		
3	Brand	Specify		
4	Country of Manufacture	Specify		
5	Mode of Operation	Specify		
6	Power Source	Single Phase Electric Motor		
7	Voltage	220 - 230 V, 50Hz,		
8	Power	≥ 3 HP		
9	Cutting Capacity	≥ 1000 Kg/ hr (Green Fodder)		
10	Number of Cutting Blades	3		
11	Blade Material	High hardened/ carbon steel material		
12	Range of Chopping	Napier, Guinea, Maize, Gliricidia, Hay and Paddy Straw, Bhanana trunk and etc.		
13	Out put Nozzle	Specify (Optional -rotatable 360 degrees)		
14	Length of Cut	Adjustable or 15-30 mm		
15	Warranty	Minimum 2 years for the Machine and 1 year for the motor		
16	Quqlity Standeards Certificates	Specify		
17	Past Supply experience and feedback of users	Specify		
18	Availability of spare parts technical support and after sale service in Islandwide.	Specify		
19	Availability of all accessories, relevant operation and maintenance manuals in Sinhala and Tamil.	Specify		
20	A practical demonstration of the machine and its operation will be provided upon request by the Technical Committee.	Specify		
21	Unit price without VAT (Rs)			
22	Unit price with VAT (Rs)			
23	Total price without VAT(Rs)			

24	Total price with VAT (Rs)			
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Bidder's Signature

Specifications for Grass Cutter - 2 Stroke

S.No.	Item	Required Specifications	Bidders Specifications	
			Yes / No	If "No" Indicate Your offer
1	Type	Knapsack Grass Cutter		
2	Model	Specify		
3	Brand	Specify		
4	Country of Manufacture	Specify		
5	Mode of Operation	Specify		
6	Engine	2 Stroke		
7	Engine Displacement	≥ 40 cc		
8	Power	≥ 1.25 Kw		
9	RPM	6000 - 7500		
10	Carburetor	Float type		
11	Fuel type	Petrol		
12	Fuel Tank capacity (L)	1 - 1.5 L		
13	Cooling System	Forced Air Cooling System		
14	Starting Mode	Recoil Start		
15	Blade Material	Fully Steel made		
16	Cutting blades	Toothed circular blade and square blade		
17	Grass - laying attachment	Specify		
18	Range of Cutting	Napier, Guinea etc..		
19	Weight	Specify		
20	Harness	Padded double - shoulder carrying harness		
21	Warranty	≥ 1 year		
22	Quality Standards Certificates	Specify		
23	Past Supply experience and feedback of users	Specify		
24	Availability of spare parts technical support and after sale service in Islandwide.	Specify		
25	Availability of all accessories, relevant operation and maintenance manuals in Sinhala and Tamil.	Specify		
26	A practical demonstration of the machine and its operation will be provided upon request	Specify		
27	Unit price without VAT (Rs)			
28	Unit price with VAT (Rs)			
29	Total price without VAT (Rs)			
30	Total price with VAT (Rs)			
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Bidder's Signature

Specifications for Grass Cutter - 2 Stroke with laying attachment

S.No	Item	Required Specifications	Bidders Specifications	
			Yes / No	If "No" Indicate Your offer
1	Type	Knapsack Grass Cutter		
2	Model	Specify		
3	Brand	Specify		
4	Country of Manufacture	Specify		
5	Mode of Operation	Specify		
6	Engine	2 Stroke		
7	Engine Displacement	≥ 40 cc		
8	Power	≥ 1.25 Kw		
9	RPM	6000 - 7500		
10	Carburetor	Float type		
11	Fuel type	Petrol		
12	Fuel Tank capacity (L)	1 - 1.5 L		
13	Cooling System	Forced Air Cooling System		
14	Starting Mode	Recoil Start		
15	Blade Material	Fully Steel made		
16	Cutting blades	Toothed circular blade and square blade		
17	Grass - laying attachment	Purpose - built deflector/ swath-laying attachment that lays the cut grass aside in a row for easy collection, compatible with the cutting head supplied.		
18	Range of Cutting	Napier, Guinea etc..		
19	Weight	Specify		
20	Harness	Padded double - shoulder carrying harness		
21	Warranty	≥ 1 year,		
22	Spare parts and after sale service	Specify		
23	Quality Standards Certificates	Specify		
24	Past Supply experience and feedback of users	Specify		
25	Availability of spare parts technical support and after sale service in Islandwide.	Specify		
26	Availability of all accessories, relevant operation and maintenance manuals in Sinhala and Tamil.	Specify		
27	A practical demonstration of the machine and its operation will be provided upon request by the Technical Committee.	Specify		
28	Unit price without vat (Rs)			
29	Unit price with vat (Rs)			
30	Total price without vat (Rs)			
31	Total price with vat (Rs)			
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Bidder's Signature

Specifications for Grass Cutter - 4 Stroke

S.No	Item	Required Specifications	Bidders Specifications	
			Yes / No	If "No" Indicate Your offer
1	Type	Knapsack Grass Cutter		
2	Model	Specify		
	Brand	Specify		
3	Country of Manufacture	Specify		
4	Mode of Operation	Specify		
5	Engine	4 Stroke		
6	Engine Displacement	≥ 40 cc		
7	Power	≥ 1.25 KW		
8	RPM	6000 - 7500		
9	Carburetor	Float type		
10	Fuel type	Petrol		
11	Fuel Tank capacity (L)	1 - 1.5 L		
12	Cooling System	Forced Air Cooling System		
13	Starting Mode	Recoil Start		
14	Blade Material	Fully Steel made		
15	Cutting blades	Toothed circular blade and square blade		
16	Grass - laying attachment	Specify		
17	Range of Cutting	Napier, Guinea etc..		
18	Weight	Specify		
19	Harness	Padded double - shoulder carrying harness		
20	Warranty	≥ 1 year		
21	Spare parts and after sale service	Specify		
22	Quality Standards Certificates	Specify		
23	Past Supply experience and feedback of users	Specify		
24	Availability of spare parts technical support and after sale service in Islandwide.	Specify		
25	Availability of all accessories, relevant operation and maintenance manuals in Sinhala and Tamil.	Specify		
26	A practical demonstration of the machine and its operation will be provided upon request by the Technical Committee.	Specify		
27	Unit price without VAT (Rs)			
28	Unit price with VAT (Rs)			
29	Total price without VAT (Rs)			
30	Total price with VAT (Rs)			
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Bidder's Signature

Silage Press Machine – Manual Hydraulic

No	Specification	Minimum / Required Specification	Bidders' Response Yes/No
1	Country of origin	Specify	
2	Brand Name	Specify	
3	Model Number	Specify	
4	Machine Type	Manually operated hydraulic silage press machine	
5	Usage	Plastic barrel – 50 L - 250 L Polythene bag - square bale – 30 × 42 × 70 cm	
6	Material	Steel	
7	Capacity	Barrel plastic drum: 1–1.5 tons/hr; Polythene square bale: 0.5 – 1 tons/hr	
8	Warranty	1 years	
9	Quality Standards Certificates	Specify	
10	Past Supply experience and feedback of users	Specify	
11	Availability of spare parts technical support and after sale service in Island wide.	Specify	
12	Availability of all accessories, relevant operation and maintenance manuals in Sinhala and Tamil.	Specify	
13	A practical demonstration of the machine and its operation will be provided upon request by the Technical Committee.	Specify	
14	Price without VAT		
15	VAT		
16	Price with VAT		
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Bidder's Signature

Silage Press Machine – Electric

No	Specification	Minimum / Required Specification	Bidders' Response Yes/No
1	Country of origin	Specify	
2	Brand Name	Specify	
3	Model Number	Specify	
4	Machine Type	Gear mechanism silage press machine	
5	Usage	Plastic barrel – 100 L - 220 L	
6	Material	Steel	
7	Capacity	12 -15 barrels / hr, 220 L barrel	
8	Motor capacity	3 HP, Single phase	
9	Pressure	600 – 650 bar	
10	Warranty	1 Year	
11	Quality Standards Certificates	Specify	
12	Past Supply experience and feedback of users	Specify	
13	Availability of spare parts technical support and after sale service in Island wide.	Specify	
14	Availability of all accessories, relevant operation and maintenance manuals in Sinhala and Tamil.	Specify	
15	A practical demonstration of the machine and its operation will be provided upon request by the Technical Committee.	Specify	
16	Price Without VAT		
17	VAT		
18	Price with VAT		
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Bidder's Signature

Specifications for Hay /Straw Baler - Four wheel tractor Driven

S. No.	Item	Required Specifications	Bidders Specifications	
			Yes / No	If "No" Indicate Your offer
1	Type	Specify		
2	Model	Specify		
3	Brand	Specify		
4	Country of Manufacture	Specify		
5	Operating Type	Lever Type		
6	Bale Size	60cm * 70cm		
7	Pickup Width	800mm		
8	Operating Efficiency	2 - 5 km/h		
9	Bale weight	20 - 30Kg		
10	Hp requirement	25 - 50 Hp		
11	PTO Speed	540 rpm		
12	Machine Weight	500 - 520Kg		
13	Capacity	100-120 /hour		
14	Feeding System	Force - Feeding System		
15	Warranty	2 years		
16	Quality Standers Certificates	Specify		
17	Past Supply experience and feedback of users	Specify		
18	Availability of spare parts technical support and after sale service in Islandwide.	Specify		
19	Availability of all accessories, relevant operation and maintenance manuals in Sinhala and Tamil.	Specify		
20	A practical demonstration of the machine and its operation will be provided upon request by the Technical Committee.	Specify		
21	Unit price without VAT (Rs)			
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Bidder's Signature

Specifications for Hay /Straw Baler - Four wheel tractor Driven

S. No.	Item	Required Specifications	Bidders Specifications	
			Yes / No	If "No" Indicate Your offer
1	Type	Specify		
2	Model	Specify		
3	Brand	Specify		
4	Country of Manufacture	Specify		
5	Operating Type	Lever Type		
6	Bale Size	60cm * 70cm		
7	Pickup Width	800mm		
8	Operating Efficiency	2 - 5 km/h		
9	Bale weight	20 - 30Kg		
10	Hp requirement	25 - 50 Hp		
11	PTO Speed	540 rpm		
12	Machine Weight	500 - 520Kg		
13	Capacity	100-120 /hour		
14	Feeding System	Force - Feeding System		
15	Warranty	2 years		
16	Quality Standers Certificates	Specify		
17	Past Supply experience and feedback of users	Specify		
18	Availability of spare parts technical support and after sale service in Islandwide.	Specify		
19	Availability of all accessories, relevant operation and maintenance manuals in Sinhala and Tamil.	Specify		
20	A practical demonstration of the machine and its operation will be provided upon request by the Technical Committee.	Specify		
21	Unit price without VAT (Rs)			
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Specifications for Feed Mixer - Vertical

S. No.	Item	Minimum Specifications	Bidders Compliance	
			Yes/No	If "No" Indicate Your offer
1	Model	Specify		
2	Brand	Specify		
3	Country of manufacture /Assembly	Specify		
4	Capacity(Quote seperatly for each)	500 Kg /Batch		
5	Mode of Operation	Specify		
6	Motor Capacity	7.5 HP		
7	Vertical convayer system	Specify		
8	Feed input	From the ground level		
9	100-200 RPM vertical screw	Specify		
10	Food grade non corrosive contact parts	Specify		
11	Power	220-230V,50Hz,Single phase 3-5 HP		
12	Seamless/smoothly polished welded parts			
13	Noise emit <96 dB			
14	Seed Grinding machine -Suitable to the capacity	Quote separately if available		
15	Warrenty	Minimum 2 years for Motor and 1 year for other parts		
16	Delivery	within 3 weeks after the confirmation of the order to specified locations		
17	Quality standerdes Certificates	Ce / ISO		
18	Past Supply experience and feedback of users			
19	Availability of spare parts technical support and after sale service in Islandwide.			
20	Availability of all accessories, relevant operation and maintenance manuals in Sinhala and Tamil.			
21	A practical demonstration of the machine and its operation will be provided upon request by the Technical Committee.			
22	Unit price without vat (Rs)			
23	Unit price with vat (Rs)			
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