

National Dairy Development Programme

(Dairy Hub)

Machinery and Equipment Specifications

1.3 Dairy Processing Machinery and Equipment

Specifications for Milking Machine

S. No.	Item	Required Specifications	Bidders Specifications	
			Yes / No	If "No" Indicate Your offer
1	Type	Electric Vacuum, Single cow portable		
2	Model	Specify		
3	Brand	Specify		
4	Country of Manufacture	Specify		
5	Mode of Operation	Electric		
6	Power Source	Single Phase Electric Motor		
7	Voltage	230 V, 50 Hz		
8	Power	≥ 0.5 Kw		
9	Motor Speed	≥ 1400 rpm/min		
10	Number of Milk Collecting Buckets	1		
11	Volume of Bucket	≥ 25 L		
12	Type of Milk Collecting Buckets	Specify		
13	Operating Vacuum	0.04 - 0.05 Mpa (Adjustable)		
14	Vacuum Tank Capacity	18 L (minimum)		
15	Pulsator	Pneumatic		
16	Pulsation Rate	60 times / minute or nearest		
17	Flow rate	180 L/hour (minimum)		
18	Milk extraction applicable to	Cow & Buffalo		
19	The Number of Milking cow per hour / Milking Capacity	≥ 10 cows/h		
20	Pump	Dry type		
21	Large heavy duty wheels fitted for easy move	Specify		
22	Liners	Food-grade silicone/rubber perfect fit and proper massage for teats.		
23	Tubes	Made from food grade material, smooth inner and outer surfaces for perfect cleaning.		
24	Teat Cups	Four Stainless - steel, food grade		
25	Warranty	≥ 2 years		
26	Spare parts & after sale service	Specify		
27	Quality Standards Certificates	Specify		
28	Past Supply experience and feedback of users	Specify		
29	Availability of spare parts technical support and after sale service in Islandwide.			
30	Availability of all accessories, relevant operation and maintenance manuals in Sinhala and Tamil.	Specify		
31	A practical demonstration of the machine and its operation will be provided upon request by the Technical Committee.	Specify		
32	Unit price without vat (Rs)			
33	Unit price with vat (Rs)			
34	Total price without vat (Rs)			
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Technical details & product brochure should be attached with the tender document

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Bidder's Signature

Specification for Dip cooler - 20L

S.No.	Item	Minimum Specifications	Bidders Compliance	
			Yes/No	If "No" Indicate Your offer
1	Model	Specify		
2	Brand	Specify		
3	Country of origin	Specify		
4	Capacity	Up to 20 L		
5	Type	Portable equipment for cooling milk in milk cans by immersing the coil		
		Capacity to bring down temperature of milk to 4 ⁰ C within 2 hrs		
6	Used food-grade SS for fabrication	Specify		
7	Moveable and easy to operate	Specify		
8	Power	220-230V,50Hz,Single phase		
9	Warrenty	3 years for compressor, 1 year for coil		
10	Quqlity Standards Certificates	Specify		
11	Past Supply experience and feedback of users	Specify		
12	Availability of spare parts technical support and after sale service in Islandwide.	Specify		
13	Availability of all accessories, relevant operation and maintenance manuals in Sinhala and Tamil.	Specify		
14	A practical demonstration of the machine and its operation will be provided upon request by the Technical Committee.	Specify		
15	Unit price without vat (Rs)			
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Bidder's Signature

Specification for Dip cooler - 40L

S.No.	Item	Minimum Specifications	Bidders Compliance	
			Yes/No	If "No" Indicate Your offer
1	Model	Specify		
2	Brand	Specify		
3	Country of origin	Specify		
4	Capacity	Up to 40 L		
5	Type	Portable equipment for cooling milk in milk cans by immersing the coil		
		Capacity to bring down temperature of milk to 4 ⁰ C within 2 hrs		
6	Used food-grade SS for fabrication	Specify		
7	Moveable and easy to operate	Specify		
8	Power	220-230V, 50Hz, Single phase		
9	Warrenty	3 years for compressor, 1 year for coil		
10	Quqlity Standards Certificates	Specify		
11	Past Supply experience and feedback of users	Specify		
12	Availability of spare parts technical support and after sale service in Islandwide.	Specify		
13	Availability of all accessories, relevant operation and maintenance manuals in Sinhala and Tamil.	Specify		
14	A practical demonstration of the machine and its operation will be provided upon request by the Technical Committee.	Specify		
15	Unit price without vat (Rs)			
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Specification for Dip cooler - 80L

S.No.	Item	Minimum Specifications	Bidders Compliance	
			Yes/No	If "No" Indicate Your offer
1	Model	Specify		
2	Brand	Specify		
3	Country of origin	Specify		
4	Capacity	Up to 80 L		
5	Type	Portable equipment for cooling milk in milk cans by immersing the coil		
		Capacity to bring down temperature of milk to 4 ⁰ C within 2 hrs		
6	Used food-grade SS for fabrication	Specify		
7	Moveable and easy to operate	Specify		
8	Power	220-230V, 50Hz, Single phase		
9	Warrenty	3 years for compressor, 1 year for coil		
10	Quqlity Standards Certificates	Specify		
11	Past Supply experience and feedback of users	Specify		
12	Availability of spare parts technical support and after sale service in Islandwide.	Specify		
13	Availability of all accessories, relevant operation and maintenance manuals in Sinhala and Tamil.	Specify		
14	A practical demonstration of the machine and its operation will be provided upon request by the Technical Committee.	Specify		
15	Unit price without vat (Rs)			
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Bidder's Signature

Specification for Cream Separator - 40LPH

S.No.	Item	Minimum Specifications	Bidders Compliance	
			Yes/No	If "No" Indicate Your offer
1	Type	Specify		
2	Model	Specify		
3	Brand	Specify		
4	Country of origin	Specify		
5	Mode of operation	Electric		
6	Capacity	40 LPH		
7	Bowl & bowl discs	Food - grade stainless steel		
8	Receiving tank	Food - grade stainless steel		
9	Spout set	Food - grade stainless steel		
10	Power	220-230V, 50Hz, Single phase		
11	Warrenty	Minnimun 1 year		
12	Quality Standeards Certificates	Specify		
13	Past Supply experience and feedback of users	Specify		
14	Availability of spare parts technical support and after sale service in Islandwide.	Specify		
15	Availability of all accessories, relevant operation and maintenance manuals in Sinhala and Tamil.	Specify		
16	A practical demonstration of the machine and its operation will be provided upon request by the Technical Committee.	Specify		
17	Unit price without vat (Rs)			
18	Unit price with vat (Rs)			
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Specification for Cream Separator - 20LPH

S.No.	Item	Minimum Specifications	Bidders Compliance	
			Yes/No	If "No" Indicate Your offer
1	Type	Specify		
2	Model	Specify		
3	Brand	Specify		
4	Country of origin	Specify		
5	Mode of operation	Electric		
6	Capacity	20 LPH		
7	Bowl & bowl discs	Food - grade stainless steel		
8	Receiving tank	Food - grade stainless steel		
9	Spout set	Food - grade stainless steel		
10	Power	220-230V,50Hz,Single phase		
11	Warranty	Minnimun 1 year		
12	Quality Standards Certificates	Specify		
13	Past Supply experience and feedback of users	Specify		
14	Availability of spare parts technical support and after sale service in Islandwide.	Specify		
15	Availability of all accessories, relevant operation and maintenance manuals in Sinhala and Tamil.	Specify		
16	A practical demonstration of the machine and its operation will be provided upon request by the Technical Committee.	Specify		
17	Unit price without vat (Rs)			
18	Unit price with vat (Rs)			
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Bidder's Signature

Specification for Paneer Pressing Machine

S.No.	Item	Minimum Specifications	Bidders Compliance	
			Yes/No	If "No" Indicate Your offer
1	Type	Specify		
2	Model	Specify		
3	Brand	Specify		
4	Country of origin	Specify		
5	Material	Stainless Steel 304		
6	Operation	Specify (Manual or Electric)		
7	mould size	Specify		
8	Capacity	10 Kg or nearest		
9	Support frame	Steady		
10	Outlet for whey	Available		
11	Pressing plate	Stainless Steel 304		
12	Technical details and a clear image of the product should be attached for each item/models	Specify		
13	Warrenty	Minimum 1 year		
14	Quaqlity Standeards Certificates	Specify		
15	Past Supply experience and feedback of users	Specify		
16	Availability of spare parts technical support and after sale service in Islandwide.	Specify		
17	Availability of all accessories, relevant operation and maintenance manuals in Sinhala and Tamil.	Specify		
18	A practical demonstration of the machine and its operation will be provided upon request by the Technical Committee.	Specify		
19	Unit price without vat (Rs)			
20	Unit price with vat (Rs)			
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Bidder's Signature

Specifications for Milk Cans - 5L

S.No.	Item	Minimum Specifications	Bidders Compliance	
			Yes/No	If "No" Indicate Your offer
1	Model	Specify		
2	Brand	Specify		
3	Country of manufacture	Specify		
4	Capacity	5 L		
5	Material of Construction	One piece SS.304, Food grade standard		
6		Seamless built, SS 304 Mono-block (without any joint)		
7	Lid	Mushroom type, Smoothly brazed		
8	Wall thickness	1.5 mm or Higher		
9	Hardness	BHN 85 or Higher		
10	Bottom Ring	SS.304 shrink fitted		
11		Fitted at the bottom and Fully Brazed		
12	Handles	SS.304 and smoothly brazed to body		
13	Warranty	01 Year		
14	Quqlity Standards Certificates	Specify		
15	Unit price without vat (Rs)			
16	Unit price with vat (Rs)			
17	Total price without vat (Rs)			
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Date

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Bidder's Signature

Specifications for Milk Cans - 10L

S.No.	Item	Minimum Specifications	Bidders Compliance	
			Yes/No	If "No" Indicate Your offer
1	Model	Specify		
2	Brand	Specify		
3	Country of manufacture	Specify		
4	Capacity	10 L		
5	Material of Construction	One piece SS.304, Food grade standard		
6		Seamless built, SS.304 Mono-block (without any joint)		
7	Lid	Mushroom type, Smoothly brazed		
8	Wall thickness	1.5 mm or Higher		
9	Hardness	BHN 85 or Higher		
10	Bottom Ring	SS.304 shrink fitted		
11		Fitted at the bottom and Fully Brazed		
12	Handles	SS.304 and smoothly brazed to body		
13	Warranty	1 Year		
14	Quality Standards Certificates	Specify		
15	Unit price without vat (Rs)			
16	Unit price with vat (Rs)			
17	Total price without vat (Rs)			
18	Total price with vat (Rs)			

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Date

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Bidder's Signature

Specifications for Milk Cans - 20L

S.No.	Item	Minimum Specifications	Bidders Compliance	
			Yes/No	If "No" Indicate Your offer
1	Model	Specify		
2	Brand	Specify		
3	Country of manufacture	Specify		
4	Capacity	20 L		
5	Material of Construction	One piece SS.304, Food grade standard		
6		Seamless built, SS.304 Mono-block (without any joint)		
7	Lid	Mushroom type, Smoothly brazed		
8	Wall thickness	2.0 mm or Higher		
9	Hardness	BHN 85 or Higher		
10	Bottom Ring	SS.304 shrink fitted		
11		Fitted at the bottom and Fully Brazed		
12	Handles	SS.304 and smoothly brazed to body		
13	Warranty	1 Year		
14	Quality Standards Certificates	Specify		
15	Unit price without vat (Rs)			
16	Unit price with vat (Rs)			
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Bidder's Signature

Specifications for Milk Cans - 40L

S.No.	Item	Minimum Specifications	Bidders Compliance	
			Yes/No	If "No" Indicate Your offer
1	Model	Specify		
2	Brand	Specify		
3	Country of manufacture	Specify		
4	Capacity	40 L		
5	Material of Construction	One piece SS.304, Food grade standard		
6		Seamless built, SS.304 Mono-block (without any joint)		
7	Lid	Mushroom type, Smoothly brazed		
8	Wall thickness	2.5 mm or Higher		
9	Hardness	BHN 85 or Higher		
10	Bottom Ring	SS.304 shrink fitted		
11		Fitted at the bottom and Fully Brazed		
12	Handles	SS.304 and smoothly brazed to body		
13	Warranty	1 Year		
14	Quality Standards Certificates	Specify		
15	Unit price without vat (Rs)			
16	Unit price with vat (Rs)			
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Specifications For Milk Bucket

S.No.	Item	Minimum Specifications	Bidders Compliance	
			Yes/No	If "No" Indicate Your offer
1	Model	Specify		
2	Brand	Specify		
3	Country of origin	Specify		
4	Type	Stainless Steel Milk Bucket with lid and handle		
5	Material	Food grade stainless steel (AISI 304)		
6	Thickness	Specify		
7	Capacity	10 liters		
8	Construction	Seamless		
9	Handles	Smoothly brazed handles		
10	Warranty	6 months		
11	Delivery	within 3 weeks after the confirmation of the order		
12	Quqlity Standeards Certificates	Specify		
13	Unit price without vat (Rs)			
14	Unit price with vat (Rs)			
15	Total price without vat (Rs)			
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Specification for Double Jacket Milk Boiler (Gas) - 40L

S.No.	Item	Minimum Specifications	Bidders Compliance	
			Yes/No	If "No" Indicate Your offer
1	Type	Double Jacket Milk Boiler - Gas power		
2	Model	Specify		
3	Brand	Specify		
4	Country of Origin	Specify		
5	Power	Gas		
6	Capacity	40 L		
7	Double Jacketed with water level indication	Specify		
8	Material	Specify		
9	Outer chamber thickness	≥1.5 mm		
10	Inner chamber	One piece construction / thickness ≥1.2 mm		
11	Agitator	Available		
12	Type of lid	Specify		
13	Temperature indicator	-		
14	Warranty	1 Year		
15	Quality Standards Certificates			
16	Past Supply experience and feedback of users			
17	Availability of spare parts technical support and after sale service in Islandwide.			
18	Availability of all accessories, relevant operation and maintenance manuals in Sinhala and Tamil.			
19	A practical demonstration of the machine and its operation will be provided upon request by the Technical Committee.			
20	Unit price without vat (Rs)			
21	Unit price with vat (Rs)			
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Specification for Double Jacket Milk Boiler (Gas) - 100L

S.No.	Item	Minimum Specifications	Bidders Compliance	
			Yes/No	If "No" Indicate Your offer
1	Type	Double Jacket Milk Boiler - Gas power		
2	Model	Specify		
3	Brand	Specify		
4	Country of Origin	Specify		
5	Power	Gas		
6	Capacity	100 L		
7	Double Jacketed with water level indication	Specify		
8	Material	Specify		
9	Outer chamber thickness	≥ 1.5 mm		
10	Inner chamber	One piece construction / thickness ≥ 1.2 mm		
11	Agitator	Available		
12	Type of lid	Specify		
13	Temperature indicator	-		
14	Warranty	1 Year		
15	Quality Standards Certificates			
16	Past Supply experience and feedback of users	Specify		
17	Availability of spare parts technical support and after sale service in Islandwide.	Specify		
18	Availability of all accessories; relevant operation and maintenance manuals in Sinhala and Tamil.	Specify		
19	A practical demonstration of the machine and its operation will be provided upon request by the Technical Committee.	Specify		
20	Unit price without vat (Rs)			
21	Unit price with vat (Rs)			
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Specification for Double Jacket Milk Boiler (Electric) - 20L

S.No.	Item	Minimum Specifications	Bidders Compliance	
			Yes/No	If "No" Indicate Your offer
1	Type	Double Jacket Milk Boiler - Electric		
2	Model	Specify		
3	Brand	Specify		
4	Country of Origin	Specify		
5	Power	Electric		
6	Capacity	20 L		
7	Double Jacketed with water level indication	Specify		
8	Material	Food grade 304 stainless steel		
9	Outer chamber thickness	≥1.5 mm		
10	Inner chamber	One piece construction / thickness-≥1.2 mm		
11	Agitator	Available		
12	Type of lid	Specify		
13	Temperatuere indicator	Digital / Dial		
14	Warranty	01 Year		
15	Quqlity Standeards Certificates	Specify		
16	Past Supply experience and feedback of users	Specify		
17	Availability of spare parts technical support and after sale service in Islandwide.	Specify		
18	Availability of all accessories, relevant operation and maintenance manuals in Sinhala and Tamil.	Specify		
19	A practical demonstration of the machine and its operation will be provided upon request by the Technical Committee.	Specify		
20	Unit price without vat (Rs)			
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