

VAISHAL PATLIPUTRA DUGDH UTPADAK SAHKARI SANGH LTD

PATNA DAIRY PROJECT

PHULWARISHARIF, PATNA 801 505

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PDP: PUR: FBD: JICA : 4063

dt . 03.09.24

**Reminder**

Dear sir,

We are interested in purchasing of the following items. In case you can supply the same, you may send your quotation in sealed cover addressed to the Managing Director address given above superscribing on the top of the envelope quotation for items **Semiautomatic curd bucket filling machine** so as to reach us on or before **15.09.2024**

All rates must be F.O.R.- Hajipur Dairy on door delivery basis.

S.No.	Item	Specification	Qty reqd
1.	<b>Semiautomatic curd bucket filling machine</b>  Including modular conveyor 2.5 mtrs with S.S structure for filling curd bucket of 1-2 kg capacity and 5-20 kg capacity for Hajipur Dairy  Period of delivery : 45 days with installation & commissioning	Technical details as enclosed Annexure - 01	01 set

Thanking you,

Yours faithfully,

  
Manager (MM)

**Annexure-01**


Technical specification of Pneumatic filling semi automatic bucket filling machine including Modular Belt Conveyor 2.5 Mtrs with SS Structure for filling curd bucket of 1-2 Kg Capacity and 5-20 Kg Capacity for Hajipur Dairy sanctioned under JICA component-B of NPDD.

**Quantity Required- 01 Set**

**Make: - R M C Packaging Systems Pvt. Ltd. / Standard Packaging Systems / IDMC Ltd. /Equivalent.**

A.		For 01 to 02 KG
1.	Product	Cultured Milk (Curd) or any free flowing liquid.
2.	System	Automatic bucket filling
3.	Filling heads	Two
4.	Filling system	Pneumatic
5.	Filling assembly	Cultured milk should go to the bottom of the bucket and slowly come to the top to avoid foaming (as minimum as possible).
6.	Speed	16-20 buckets per minute for 2 Liter for 2 Heads; 18-22 buckets per minute for 1 Liter for 2 Heads
7.	Filling range	01kg to 02 kg
8.	Pneumatic cylinders	Festo / SMC / Emerson
9.	FRL unit	Janatics / Festo
10.	Container	Bucket
11.	Bucket dia	i) 132 mm $\pm$ 0.5 % (Top dia) and 104.7 mm $\pm$ 0.5 % (Bottom dia) - For 1 KG Bucket.
12.	Bucket height	ii) 155.5 mm $\pm$ 0.5 % (Top dia) and 129.6.mm $\pm$ 0.5 % (Bottom dia) - For 2 KG Bucket.
		i) Bucket height: 129.7 mm $\pm$ 0.5 % (For 01 KG bucket) ii) Bucket height: 159 mm $\pm$ 0.5 % (For 02 KG bucket)
13.	Bucket stopping	By sensors
14.	Conveyor	2.5 Meter (Food Grade)
15.	Conveyor type	Modular Belt conveyor
16.	Hopper capacity	60 Liter, float tank mechanism
17.	Speed control	By VFD Delta / Danfoss / Siemens make.
18.	Control system	PLC with 7.0" touch screen HMI Delta/ ABB/ Siemens make and CIP system.
19.	Filling unit dimensions (Approx)	2200 mm Height approx (including tank) X 1200 mm Length approx (including panel board) X 1500 mm Width approx (including conveyor)
20.	Accuracy	$\pm$ 0.5% of bucket capacity
21.	Construction	All Contact parts should be of SS304
22.	Power / motor	Bidder to be specify
23.	Gearbox & Motor (For conveyor)	Bidders to be specify

B.		For 05 to 20 KG
1.	Product	Cultured milk (Curd) or any free flowing liquid.
2.	System	Automatic bucket filling.
3.	Filling heads	Two
4.	Filling system	Pneumatic
5.	Filling assembly	Cultured milk should go to the bottom of the bucket and slowly come to the top to avoid foaming (as minimum as possible).
6.	Speed	04 to 12 buckets per minute
7.	Filling range	05 kg to 20 kg
8.	Pneumatic cylinders	Festo / SMC / Emerson
9.	FRL unit	Janatics / Festo
10.	Container	Bucket
11.	Bucket dia	i) Bucket height: 197 mm $\pm$ 2.0 % (Top dia) and 173 mm $\pm$ 2.0 % (bottom dia) - For 5 KG Bucket.
12.	Bucket height	ii) 296 mm $\pm$ 2.0 % (Top dia) and 173 mm $\pm$ 2.0 % (bottom dia) - For 15 KG Bucket. i) Bucket height: 220 mm $\pm$ 2.0 % - For 5 KG bucket ii) Bucket height: 279 mm $\pm$ 2.0 % - For 15 KG bucket
13.	Bucket stopping	By sensors
14.	Conveyor	2.5 Meter (Food Grade)
15.	Conveyor type	Modular Belt conveyor
16.	Hopper capacity	100 Liter, float tank mechanism
17.	Speed control	By VFD Delta / Danfoss / Siemens make.
18.	Control system	PLC with 7.0" touch screen HMI Delta/ ABB/ Siemens make and CIP system.
19.	Filling unit dimensions	2.2 Mtr. H (including tank) X 1.2 Mtr. L X 1Mtr. W
20.	Accuracy	$\pm$ 0.5% of bucket capacity
21.	Construction	All Contact parts should be of SS304
22.	Power / Motor	Bidder to be specify
23.	Gearbox & Motor (For conveyor)	Bidders to be specify

  
 16.07.24  
 Manager (Engg.)