

VAISHAL PATLIPUTRA DUGDH UTPADAK SAHKARI SANGH LTD

## PATNA DAIRY PROJECT

PHULWARISHARIF, PATNA 801 505

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PDP:PUR:FBD:

773

31.05.2021

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 **crate conveyor** so as to reach us on or before 15.06.2021.

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

S.No	Item	Specification	Qty reqd
1.	Crate conveyor set – S.S. – as per enclosed technical specification		1 set

Thanking you,

Yours faithfully,



Manager (MM)

Encl : a.a.

## TECHNICAL SPECIFICATION OF FILLED CRATE CONVEYOR

(1.0) Functional Requirement: The conveyor shall be used to transport HDPE crates filled with milk in polythene pouches from the packing tables of 5(five) milk packing machines in line from crate washer on dock to milk cold store. The filled crates shall be manually loaded on to the conveyor, which is passing below a pouch-crating table.

### (2.0) DESIGN REQUIREMENT:

- Capacity : 1000 Crates per hour
- Type : Floor mounted, self standing with height adjuster of height 100mm, Structural frame with guiding pipe and Chain conveyor with suitable drive
- Crates Size : 570x300x175(in mm)
- Required Length of crate conveyor =15 meters
- Width of crate conveyor = Standard as per NDDB design
- Chain Speed: Standard as per NDDB design
- Guiding Pipe Inner distance: 11.5 inches
- Height of base of upper chain from ground: 21 inches
- Height of base of lower chain from ground: 9 inches
- Height of guiding pipe from chain= 4 inches
- Bearing Make – SKF SYJ511

### (3.0) Scope of supply

- Frame:

The conveyor shall have stable Stainless Steel(SS) structured frame work fabricated using sq .Pipe of size 50 x 50 x 3 mm thick and Structural frame with guiding pipe shall be of minimum 25 mm dia. x 3mm thick.

The conveyor shall be supported on an adjustable ball feet.

- Drive:

Geared motor(IP 55) of suitable (HP & RPM) rating, complete with sprockets, idlers etc. An SS protection cover shall be provided for the drive & its chain etc. The drive shall be of reputed make.

- Chain and Track

The chain shall be of mild steel of CC 600 Type in a SS track of suitable size and type as per Standard design of NDDB.

- Accessories:

Necessary Roller Conveyor :

- Length: 6 Feet long
- Size: 60mm dia.
- MOC : SS Pipe of Sch.10
- Roller pitch:125mm
- Roller height: It can be adjusted from 700 mm to 800 mm.
- Technical Details: It need to be fitted with Metlon bush on both sides ,Shaft dia. at bush 16 mm/length 430 mm and Pipe length 400 mm.

(4.0) Measurement of existing old conveyor which will be replaced by new one

- Length of Conveyor-16 Meters
- Width of single track= 65 mm
- Standing height=600 to 700
- Overall width=380

(5.0) Required Technical details:-

Sl. No.	Required Technical Details	To be furnished by bidders
1	Make of gear	
2	Make of motor	
3	HP & RPM of motor	
4	Speed ratio of gear	
5	Length of chain for double track to be provided	
6	MS Sprocket Sizes(Diameter & number of teeth)	
7	Any other information if any required	

**Note:** Installation, Commissioning and Testing shall be in bidder scope.