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VAISHAL PATLIPUTRA DUGDH UTPADAK SAHKARI SANGH LTD
PATNA DAIRY PROJECT
PHULWARISHARIF, PATNA 801 505
PHONE :2252542, 2252553, 2251622, E-mail : vpmu.pur@gmail.com

PDP:PUR:FBD: 6583

29.01.2024

Dear sir,

We are interested to purchase one Lassi pouch packing machine (Double head)
Pneumatic type, filling range 140 ml to 1000 ml.

Tank capacity 1 No (60-65 lt)
Detail specification as enclosed

Please submit your quotation to our office latest by 10.02.24. Your rate must be F.O.R.-
our Dairy at Patna with installation & commissioning.

Thanking you,

Yours faithfully,



Manager (Pur)

Encl : a.a.

OTHER FEATURES OF THE MACHINE

- 1) Constant level tank fitted on top of the machine with mechanical float suitable for head operation is made up of 2mm thickness S. 304 material of non-insulated tank.
- 2) Closed type electrical component like PLC, MCB, switches, control relays, pouch counter will be mounted. Operating switches are provided on either side of the machine for the head.
- 3) The machine shall be only fitted with Transtech make geared motor for independent operation.
- 4) PLC for timing, setting/ complete functions of the machine.
- 5) Sterilizing mechanism for pouch filling will be provided in the machine by way of providing UV Lamps (two of 15/40 watts each). Make of the lamps will be "Philips Holland".
- 6) The machine shall be provided with frequency drive to control the rpm of motor.
- 7) Digital type pouch counter shall be provided.
- 8) Doors shall have toughened glass.
- 9) Sealing cable with conduit shall be properly fixed at the back side of the machine.
- 10) Nip roller & vertical support shall be of Aluminum.
- 11) Sealing transformer shall be protected with cover.
- 12) Filling assembly shall have Pneumatic operated mechanical cylinders. Continuous injection system is incorporated in the machine which works on the principle of $Q=A*V*T$, Float mechanism of the balance tank. The opening of the float valve ensures a constant float of lassi through valve to meet the requirement of filling.
- 13) End of film alarm and the machine shall stop.
- 14) Film guard device to stop the machine when the filling is exhausted with audiovisual alarm.
- 15) Main body shall be of Aluminum main casting. The base plate shall be cladded with S.S. sheet metal body.
- 16) Film carrier and film idler rollers are made out of aluminum
- 18) Power control cables make: Finolex.
- 19) Limit switch make: Jai Balaji.
- 20) All front assembly like vertical, horizontal, nip roller shall be of aluminium.
- 23) CIP return through injection tube too with the help of quick removable type flexible hose system.
- 24) 150 grit finish for SS surface.
- 25) Base plate shall be made out of M.S and cladded with SS 304 grade



TECHNICAL SPECIFICATIONS FOR DOUBLE HEAD PNEUMATIC TYPE LASSI POUCH FILLING MACHINE.

1) Function Description:

Lassi is required to be fed to mechanical float operated balance tank by gravity, from balance tank product shall be fed by gravity to both filling heads. The machine will form pouches, fill the product and seals the same.

2) Design Description:

Capacity: Average output shall be around 2600 Packs/hr with 200ml, 2100 Packs/hr with 500ml, 1800 Packs/hr with 1000ml-pouch size Per each Head.

Machine Operation: All functions of the machine like sealing time, pouch length, sealing temperature will be controlled using PLC and the machine will be mechanical cam operated.

Film Thickness: Machine will be suitable to run on film thickness 45 to 50 microns for ¼ liter, 50 to 55 for ½ ltr, and 56 to 60 microns for 1liter.

Filling Accuracy: +/- 2ml per 200-1000ml pouch.

Feeding System: Pneumatic Filling Time based.

Product: Free flow liquid.

Type Of Seal: Overlap/impulse seal.

3) Services Required:

Electric Power: 415volts-3 phase, 50 Hz Ac supply,

Cooling Water: Chilled water at 150 liters per hour at 10 deg C, chilled water of 4 degrees centigrade can also be used since it is available in dairy.

Air: For Filling section 5Kg Pressure required, All other functions are mechanical in the machine.

4) Scope Of Supply:

The machine will have the following arrangements features. A constant level tank fitted on the top of the machine with mechanical float suitable for one head operations

