

Innovative Solutions

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Ref: DSF/QTO-BAG/21-22

Date: 12/01/2022

To,
MATOSHREE AGRO FARMER PRODUSAR CO.LTD
NAGPUR
INDIA

Kinnd.att:- Mr. SUNIL BADULE

Subject: QUOTE for SEMI AUTOMATIC BAGGING MACHINE 10-50 KG -single weigher & Loader
Conveyor

Dear Sir,

Thanks for your valuable enquiry. We take this opportunity in introduce our self as one of the leading **Manufacturer for Bag Filling Systems / Weighbridge / Weighing machine/ Slat conveyors & Loader conveyors** in Central India with no's of installations to our esteemed customers with trouble free performance.

We hope that our offer matches your requirement, however for any additional information please feel free to contact us at your convenience.

PRICE SCHEDULE

SL.NO	DESCRIPTION	UNIT QTY.	AMOUNT
1.	SEMI AUTOMATIC BAGGING MACHINE 10 -50 KG (SINGLE WEIGHER) WITH 4 MTRS STITCHING CONVEYOR WITH GABBAR/REVO STITCHING HEAD	1 No	9,14,500.00
2.	7.5 Mtr. LONG BAG LOADING & UNLOADING CONVEYOR	2 No	7,96,500.00
	TRANSPORTING CHARGES		23,000.00
Total			17,34,000.00

TERMS & CONDITIONS :

PAYMENT : 50 % ADVANCE & 50 % AGAINST PROFORM INVOICE

TAXES & DUTIES : 18 % GST + Transporting Included

PACKING & FORWARDING : 2 % Included

FREIGHT : ACTUALS TO YOUR ACCOUNT

DELIVERY : 4 WEEKS from the date of technically & commercially clear purchase

Order

GUARANTEE : One year against all manufacturing defects.

ERECTION / COMMISSIONING CHARGES : CLIENT TO PROVIDE TO AND FRO TRAIN FARE FROM NAGPUR TO SITE ALONG WITH LODGING / BOARDING & LOCAL CONVEYANCE. OUR ENGINEERS CHARGES WILL BE AT RS.2000/- PER DAY

VALIDITY : 30 DAYS

TECHNICAL DATA

MODEL : IA-BFM-03 -
CAPACITY : 10 KG - 50 KG
ACCURACY : +/- 20 GMS
SPEED : 5 - 8 BAGS PER min OF 25 kg- singal Weigher
POWER SUPPLY : 230 V A.C Preferably through UPS
AIR SUPPLY : Compressed air supply by customer 6 bar pressure
MACHINE HIEGHT : 3 MTRS from ground level
FEATURES : CUMULATIVE VALUE & BATCH NOS.
CLAMPING : PNEUMATIC AUTO CLAMPING
CONTROLLER : PLC BASED CONTROLLER
DISPLAY : 4 LINE BACK LIT LCD DISPLAY
20 CHARACTER
WILL DISPLAY NO OF BAGS/CUMULATIVE
SET WEIGHT/ ACTUAL WEIGHT etc

SCOPE OF SUPPLY COMPANY

- a. SENSORTRONICS make model 65023 load cells 115 kg capacity each ----- 2
- b. Mounting kit with Dummy load cell ----- 2 sets
- c. Junction box with 2 input & 1 output ---- 1no
- d. 4 core shielded cable for interconnection between junction box & display unit --- 10 mtrs
- e. BAGGING MACHINE DISPLAY & CONTROLLER UNIT display unit with tare facility ---- 1no
- f. Weigh hopper with mounting structure ----- 1no
- g. Pneumatically operated discharge gate on weigh hopper -- 1no
- h. Clamping spout with pneumatic cylinders for auto clamp --- 1no
- i. Pneumatically operated sector gates (coarse feed & fine feed) ---- 2 NOs
- j. 3 mtrs slat conveyor with heavy duty gabbar stitching head ----- 1 set

SCOP OF CUSTOMER :

- a. Client to provide to 230 V A.C supply to the machine (regulated supply)
- b. Filtered regulated compressed air supply to the machine (6 bar) by client.
- c. Dead weights for calibration by client

SYSTEM DESCRIPTION

The material handled is RICE the scheme suggested for flow promotion & filling of bags is described below.

Material is received from the plant in to a storage hopper of adequate capacity.

Below this hopper is the twin feed sector gate..

The bag filling system is proposed is a net weighment facility wherein the material to be filled into the bag is first weighed out into the weigh hopper and then discharged through

Pneumatically operated valve into the receiving spout (also called clamping head) which is Used to clamp the bag.

SYSTEM OPERATION

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At the start of the process the weigh.hopper is empty. The operator places the bag onto the spout & depresses a button. On depressing the button the following sequence of events take

Place :

The bag gets automatically clamped by the pneumatic arm. The weight of the empty weigh Hopper is automatically tared (zeroed) off from the system. The sector gates open &

filling Starts – allowing materials to flow into the weigh hopper. On achieving the 90 % of target weight the coarse feed gate is closed & then material is fine fed until the 100 % target weight is achieved. The filling operation is stopped by closing the fine feed gate above the weigh hopper .

Next the weigh hopper opens & discharges the pre-weighed material into the bag. On achieving the empty condition of the weigh hopper the bottom discharge valve of the weigh hopper closes and the process of filling the weigh hopper starts immediately. The material thus weighed is kept ready to be discharged to the bag spout once the operator is ready to receive the material.

A visual alarm is provided to indicate the bag filling over to the operator. Then the bag gets Automatically declamped & moves to the stitching station.

The control unit is placed adjacent to the filling unit. The operator is provided with a local push button station to start the operation. There is no necessity for regular interaction between the operator & the control panel.

The control unit is provided with facility to count the no. of bags & the total quantity filled in the bags (cumulative value & batch value).

Best Regards,

Nitin Borkar

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