

LEC/E-9602/10/20
October 21, 2020



**LARK
ENGINEERING
COMPANY (INDIA) PVT. LTD.**

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Subject : Your requirement of Feed Machines
Kind Attention : Mr. Balbir

Dear Sir,

Please refer to your telephonic discussion you had with the undersigned regarding above cited subject; we thank you very much for your interest in our machines, which is highly appreciated. We are pleased to quote herewith price and brief details of the.

**3-4 TPH Mash Feed Plant with Full Screen Grinder and Double Ribbon Screw Mixer
(1000 Kg/batch) (Total Power = 34 HP)**

For more details, please contact us.

Looking very much forward to hear from you soon.

Best regards

For LARK ENGINEERING COMPANY (INDIA) PVT LTD

Anubhav
Executive (Sales & Marketing)
+91-9729203685

Enclosures:

- 1) Quotation (as above)
- 2) Business Terms and Conditions

Mash Feed Plant 3-4 ton/hr (1000 kg/batch)

(Direct Manual bagging from mixer)

With Full screen Grinder, Double Ribbon Screw Mixer and Bucket Elevator

This plant will give you the **output of 3-4 ton/hr** finisher/layer feed and some-what lesser for starter/ chicks feed.

Note: Due to **full screen Grinder** good output on fine grinding and due to **screw ribbon** fast mixing can be achieved. Above mentioned output can be achieved both on layer and broiler Feed.

S No.	Item	List Price	Power(H.P)
Section A : Machines			
A.1: Intake Section			
1	Intake hopper	12000	-
2	Intake Bucket Elevator-I without motor, gear box & chain drive (Ht: 21 ft)	110250	2
3	Cascading Magnet	45000	-
A.2: Grinding Section			
4	Intermediate Bin over Grinder (300 kg/batch) with structure	40000	-
5	Slide gate with Flexible Connection	2200	-
6	Full Screen Hammer Mill (QGA-1015) without motor & coupling	74000	15
A.3: Mixing Section			
7	Bucket Elevator-II without motor, gear box & chain drive (Ht: 23 ft)	120750	2
8	Batch Bin (BB-10) over Mixer	58000	-
9	Double Ribbon Screw Mixer (LHMR-10) with rack and Pinion type manually operated side gate, our own make gear box but without motor & V-Belts.	265000	15
A.4: Other			
10	All Connecting Pipes & foundation Bolts	8500	-
Total for Section A		7,35,700	34

Section B: Equipment's for Mixer			
1	Medicine Hopper for Mixer (in Stainless Steel const.)	26000	-
2	Access Platform for Mixer with stairs	18000	-
3	Extra Hopper for adding non grindables directly into mixer via 2 nd Elevator.	16000	-
Total for Section B		60,000	-

Section C: Motor's			
1	for BE-I, 2 HP Geared Motor	25900	2
2	for BE-II, 2 HP Geared Motor	25900	2
3	for Hammer Mill, 15 HP 2800 RPM motor	39413	15
4	For Hammer Mill, Rubber Coupling	2640	-
5	for Feed Mixer, 15 HP 1440 RPM motor (Foot Mounted)	37751	15
6	V- Belts for Feed Mixer	2700	-
7.	Duplex chain coupling for BE-I	3600	
8.	Duplex chain coupling for BE-II	3600	
Total for Section C		1,41,504	34

Section D: MCC PANEL	
<p><u>Motor Control Centre</u> The MCC is consisting of followings:- a) An Incoming main switch. b) Indication lamp to indicate interchange of phases in Main supply. c) Main line Ampere meter and Voltmeter with selector switch and indication lamp. d) Switches for all motors. e) D.O.L. starters for motors of 10 HP or less. f) Star-Delta Starter for motors above 10 HP. g) Change over to change direction of rotation of grinder. h) All internal wiring of MCC. MCC is cubical type, self-supporting and all starters and switches mentioned will be of L & T/ Schneider/Telemecanic/GE/ABB make. All electrical wiring, cable, cable laying from panel to machines and all Connections are in your scope. We will only supply Motor Control center. *Electrical Cable lying from mains to MCC and from MCC to individual Motor will be to client scope*</p>	75000
Total For all the above Sections (Sec-A,B,C & D)	
10,12,204	

Note: GST @ 12%, Electrical Wirings & Fittings and Transportation are excluded.

We can supply between 70-75 days from the date of commercially & technically clear purchase order with advance. This schedule is under ideal conditions considering situation w.r.t. pandemic COVID - 19 will improve in coming 1 Month.

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Constructional & Technical Specification of the Machines

- 1 **Intake Hopper**
Intake hopper capacity: 80-100 kg
- 2 **Bucket Elevators**
Bucket Size: 6" x 4"
Belt: M-24 Grade rubberized 3 Ply (**continental** or and other standard Make)
Boot and Head supported with 40mm x40mm x 6mm angle and fabricated out of 4mm sheet.
Elevator's Boxes fabricated out of 2mm sheet. Base Frame of Gear motor fabricated out of 6 mm plate.
Platform at top for maintenance is provided with access thru monkey type ladders or via Platform.
- 3 **Cascading Magnets**
Iron thrash etc. going to feed grinder is caught here in this pipe with the help of two powerful magnets. Magnetic Plate self cleaning type with collection tray. Magnetic Plates are fitted with powerful "rare earth type" magnet.
- 4 **Intermediate Bin over Grinder**
Supported on structure of angles and channels (75mm x 40mm x 6mm) and fabricated out of 2mm sheet. Support is provided so that load of the intermediate bin is not directly sustain by the Grinder
- 5 **Slide Gate with Flexible Connection**
This is provided to isolate the vibration of grinder from rest of the plant.
- 6 **Full Screen Hammer Mill**
Hammer Mill is fabricated with plates of varied thickness depending upon the requirement. Support rings for screen fabricated with 25 mm thick plate, Main body fabricated with 8 mm thick Plate. A special feature of Gap adjustment between screen and hammers is provided for output of varying fineness.
Keeping in view the maintenance time wasted in repairing/ replacing rotor, we have given a special provision, which hardly takes one hour to dismantle rotor from grinder and then fitting it back to its position without altering the position of the Grinder. Rotor is dynamically balanced.
- 7 **Batch Bin over Mixer**
Capacity: 1000kg/batch
To temporarily hold ground ingredients over Mixer and discharging it quickly into Mixer.
Detail: Supported on angle 63mm x 63mm x 6mm and fabricated out of 3 mm sheet. Batch bin's cost includes the dust proof, bearing supported-sliding gate, top-covering sheet of Bin and bottom covering sheet of Mixer
- 8 **Double Ribbon Screw Mixer**
Model:-LHMR-10
Capacity:-1000 Kg/batch
Power:-15 HP 1440 rpm Motor with our own make gear box
Discharge Gate:-Manually operated Rack and pinion type side gate arrangement.
Mixer Drum Const:-5 mm Thk MS,
Mixing Efficiency:-It can mix the whole batch within 6 to 8 minutes with coefficient of variation less than 7%
- 9 **Others**
Premix/ medicine hopper: Dust proof double door, one sliding and other hinged type Inlet hopper for dumping ground ingredients/ micro ingredient (such as marble, medicines etc) directly to the mixer.
- 10 **Motors/ Geared motor/ Gear Box and Drives**
Geared motor where ever mentioned will be of Bonfiglioli/ Shanthi / Elecon (PBL).
Induction Motor will be Crompton/ ABB make.
For Double Ribbon Screw Mixer Gearbox for Mixer will be of our own make

11 **Motor Control Centre**

The MCC is consisting of followings:-

- a) An Incoming main switch.
- b) Indication lamp to indicate interchange of phases in Main supply.
- c) Main line Ampere meter and Voltmeter with selector switch and indication lamp.
- d) Switches for all motors.
- e) D.O.L. starters for motors of 10 HP or less.
- f) Star-Delta Starter for motors above 10 HP.
- g) Change over to change direction of rotation of grinder.
- h) All internal wiring of MCC.

MCC is cubical type, self supporting and all starters and switches mentioned will be of L & T/
Schneider/Telemecanic/GE/ABB make .

***Electrical Cable lying from mains to MCC and from MCC to individual Motor will be to your account**

12 **Erection commissioning and Supervision Charges**

For erection supervision and commissioning we will send our team of Engineers and Technicians. To assist them you will have to provide **labour / Crane at your own** (As and when required). You have to provide welding equipments and power supply at your own. For civil work you will have to provide mason and labour. Material for Civil work is not in our scope. For Electrical Wiring you have to arrange for Electrician. We need power requirement of 10 kw along with welding set for welding of connecting pipes at the site. This includes one side fare of the team. One side fare, local conveyance and Boarding & Lodging is to be provided by you.

From our practical experience we have seen that the erection is delayed due to non availability of civil labour/Mason and Final Trial of the Plant is delayed due to delay in Electrical work and Motor Connection. So it's in your favour to provide everything in time in order to accomplish erection with in time.

MISCELLANEOUS (Exclusion from offer):

- 1) Transportation (on to pay basis) and transit insurance charges (at actual).
- 2) Unloading of machines at your site.
- 3) All Civil Works and labour/Cranes required for erection.
- 4) All Electrical wiring from mains to panel and panels to individual motors.
- 5) Power, water used for erection and feed ingredient for Trail will be provided by you
- 6) You will have to arrange for boarding, lodging and Local conveyance for our Erection Team
- 7) Handling/Loading/forwarding/packing charges **(1% of the total value)**
- 8) All Taxes & Octroi.
- 9) Any way bill required and is to be arranged by you.
- 10) Alteration in the motor's panel, machine due to low voltage will be borne by you.
- 11) We need 15 KW power connections along with welding set at erection site.
- 12) Any other not mentioned above.

General Consideration:

- 1) There is **no water seepage** for the machines which are to be fitted below ground level.
- 2) Feed is of standard/ Normal quality (i.e. density, flowability etc)
- 3) Performance of the machines may vary due to variation of standard supply voltage ie 440 V, 50 Hz.

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BUSINESS TERMS & CONDITIONS

- 1 **PRICE BASIS:** Prices quoted in this offer are Ex-our works at Yamuna Nagar and with standard accessories only. **Taxes applicable @12 % GST.** Any other levies, octroi will be to your account.
The present offer is based on prevailing prices of raw material, standard components, Government Policies/ taxes, etc. The prices shall be subject to revision in the event of variation of any of foregoing factors as well as those not mentioned.
- 2 **TRANSPORTATION:** On to Pay Basis
- 3 **PAYMENT:** For Machines: 50% of total value of order towards advance and balance against delivery at our works (before dispatch). All payment to be made at Yamuna Nagar.
- 4 **DELIVERY:** Between 70-75 days from the date of receipt of commercially & technically clear purchase order
- 5 **VALIDITY:** This offer is valid for a period of 30 days for Mechanical equipment and 7 days for electrical equipment (If any) **and** subject to confirmation thereafter.
- 6 **QUALITY WARRANTY:** Machines manufactured by us are guaranteed against any manufacturing defects for a period of one year. This does not in any case cover defects due to improper use and mishandling. Warranty for Standard items/ equipments such as motors, bearings, V-belts etc which are procured from outside, will be directly given by the supplier / manufacturer.
- 7 **FORCE MAJURE:** We shall not be liable for any loss or damage due to late delivery resulting from circumstances beyond our control and in particular, but without prejudice, to the generality of foregoing act of God, war, Government, inability to obtain raw material, equipment, power, fuel, transportation, lockouts, strikes etc.
- 8 **ERRORS:** Any typographical errors/omissions in this offer if any, are subject to corrections
9. **CANCELLATION:** In the event of cancellation of the order, amount of advance to us will be forfeited in total.
- 10 We reserve all rights to change design or dimensions, as we deem appropriate at any time.
- 11 **JURISDICTION:** All disputes subject to Jagadhri jurisdiction only

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