

Design. Tooling. Machine Building. Construction. Installation and Implementation of Factory Lines Producing Feed of livestock, Poultry and Aquatic

REPRESENTATIVE: L.LION COMPANY	<u>CAPACITY FISH FEED PLANT : ( 2</u>
Address: : 5 <sup>™</sup> Baharesten st., Karafarinan Blvd ., Sanat Sq., Industrial Estate ., Shahrekord ,	<u>TONS/ HOUR</u> )
Chaharmahal and Bakhtiari Province , Iran DISCRIPTION OF THE EQUIPMENTS	PROFORMA NO.ANSFL: 140105-100

Respectfully, following the negotiations that we had, the price list and technical specifications of the machinery and

equipment related to the production line of aquatic feed using the extruder method and horizontal state with the

capacity of 2 tons per hour are sent in below :

ROW	DISCRIPTION OF THE EQUIPMENTS	PIECES	TOTAL PRICE \$
1	<ul> <li>Hopper for Raw materials</li> <li>Dimensions 2 x 2 with a height of 1.5 meters</li> <li>Made steel sheet (thickness: 3mm)</li> <li>The assembly system is welded and bolted</li> <li>It is strengthened with the help of reinforcement sheets</li> <li>Anti-wear and corrosion paint</li> <li>It will be installed in a concrete hole</li> </ul>	1 PCS	
2	Screw 10-inch, length : 3 meters, with a 3 kW motor	1 PCS	
3	Elevator • About 15 meters • Special for 3 tons per hour	1 PCS	
	• Special for 3 tons per hour O9001 ISO10002 ISO10004 ISO14001		
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	• Cover size is 25x25, bowl size is 16 cm (in every 25		
	cm one bowl is installed )		
	• With electric motor(Motogen 3 kW) , roller micro		
	switch and helical gearbox		
	Jet filter		
	• 9 bags		
	• The length of the device is 3.5 meters		
4	• With 3 solenoid valves (each one 3/4 inch)	1 PCS	
	Consumable and spare parts: solenoid bag and		
	solenoid valve		
	• ID fan 5.5 kW		
5	Screw 10-inch, length : about 6 meters, with a 4 kW	1 PCS	
	motor		
	Rotary Divider		
6	• drive motor : 1.1 kW	1PCS	
	Made of steel (thickness: 3mm)		
7	6 tanks , (capacity of each one is about 5 tons) , sheet		
7	thickness: 3mm with Structure	6PCS	
8	pneumatic Slide gate and the diameter is 400 inch	6PCS	
9	Screw 10-inch, length : 3 meters, with a 4 kW motor	6PCS	
	Batching with a load cell (volume : 500 kg) and a		
10	pneumatic slide gate	1PCS	
	primary mixer (single shaft mixer)		
11		1PCS	
	Made of anti-wear carbon steel sheet		
	509001 ISO10002   ISO10004   ISO14001   (		
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		Volume of 1000 liters		
		<ul> <li>The thickness of the bearing wall is 8 mm</li> </ul>		
		• Special for 2 to 3 tons per hour line		
		• electric motor : 11 kW		
	12	Screw 10-inch, length : 3 meters, with a 3 kW motor	1PCS	
		The first hammer mill for the production of aquatic feed		
		• With 90 kW electric motor		
	13	• Capacity of 2.5 tons per hour with mesh number 2 with 8% fat	1PCS	
		• With a magnet for grinding with 1000 gauss power		
		<ul> <li>Consumable and spare parts: internal hammer and mesh</li> </ul>		
	14	Screw 10-inch, length : 4 meters, with a 4 kW motor	1PCS	
		Second hammer mill		
		• With electric motor		
	15	• Capacity of 2.5 tons per hour with mesh number 1		
		<ul> <li>With a magnet for grinding with 1000 gauss power</li> </ul>	1PCS	
		<ul> <li>Consumable and spare parts: internal hammer and mesh</li> </ul>		
	16	Screw 10-inch, length : 4 meters, with a 4 kW motor	1PCS	
	17	Polarizer mill		
	17	• Structure and chassis of the device	1PCS	
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		r	
	• The main body of the device is made of carbon steel		
	Tat ring system made of manganese alloy and chrome		
	• 132 kW electric motor		
	<ul> <li>Internal separator fan motor of the device with a power of 4 kW</li> </ul>		
	<ul> <li>Consumable and spare parts: hammer - jet filter bags</li> </ul>		
18	Cyclone diameter : 900	1PCS	
	Jet filter		
	• 40 bags		
19	• The length of the device is 3.5 meters	1000	
	• 5 solenoid valves ( each one 3/4 inch )	1PCS	
	<ul> <li>Consumable and spare parts: bag and valve solenoid</li> </ul>		
20	ID fan with 37 kW motor	2PCS	
21	Airlock with 2.2 kW motor	1PCS	
22	bypass Screw : 10 inches, length : 4 meters, with a 4 kW motor	1PCS	
	Elevator		
	• About 10 meters		
23	• Special for 3 tons per hour line	1PCS	
	• Cover size 25x25, bowl size 16 cm (every bowl is installed in every 25 cm)		

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	• With Motogen 3 kW electric motor, roller micro switch and helical gearbox		
	sifter sieve		
	• 5 floors with the installation structure of the sieve		
24	• mesh : 1 mm	1PCS	
	• Capacity of 2 to 3 tons per hour		
	• With a 3 kW motor		
25	Screw 10-inch, length : 4 meters, with a 4 kW motor	1PCS	
	Elevator		
	• About 10 meters		
26	• Special for 3 tons per hour line		
20	• Cover size 25x25, bowl size 16 cm (every bowl is installed in every 25 cm)	1PCS	
	• With electric motor (Motogen 3 kW), roller micro switch and helical gearbox		
27	Batching before the mixer	1PCS	
	Second mixer		
	Made of anti-wear carbon steel sheet		
28	Volume of 1000 liters		
	• The thickness of the bearing wall is 8 mm	1PCS	
	• Special for 2 to 3 tons per hour line		
	• With 22 kW electric motor		
29	Screw 10-inch, length : 2 meters, with a 3 kW motor		1 HSE-MS
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	Elevator		
	• About 10 meters		
	• Special for 3 tons per hour line		
30	• Cover size 25x25, bowl size 16 cm (every bowl is installed in every 25 cm)	1PCS	
	• With electric motor(Motogen 3 kW), roller micro switch and helical gearbox		
	Storage tanks		
	• With 2.5 mm sheet		
31	• With a capacity of 5 tons	1PCS	
	• With pneumatic slide gate, pneumatic jack 80*400 and open or close microswitch		
32	Screw 10-inch, length : 4 meters, with a 4 kW motor	1PCS	
	Elevator		
	About 12 meters		
	Special for 3 tons per hour line		
33	• Cover size 25x25, bowl size 16 cm (each bowl is installed in every 25 cm)	1PCS	
	• With electric motor(Motogen 3 kW), roller micro switch and helical gearbox		
34	Homogenizer(1000 kg) with 3 s.st load cells	1PCS	
	Feeder related to Extruder		
35	• Diameter: 8 inches	1PCS	
	• Length : about 3 meters 09001   ISO10002   ISO10004   ISO14001   0	OHSAS1800	1 HSE-MS
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	With 3 kW motor and helical gearbox		
	Conditioner for baking( and feeding process)		
	• Diameter 350, length 2.5 meters, stainless steel material		
36	• PCS: 2		
	• With two electric motors of 7.5 kW	2PCS	
	With 2 PT100 thermal sensors		
	• with the reduction system by the help of pulley and belt		
	Single shaft Extruder with a capacity of 2 tons per hour model : EX-Cs2000		
	• With a production capacity of 2 tons per hour with number 4 die		
	• The main electric motor of the device is 132 kilowatts		
	• Total length : 6 meters with 5 blocks and 10 controllable valves		
37	• a cutter system with a power of 3 kW	1PCS	
	<ul> <li>It has a gearbox and a combined motion transmission system and belt</li> </ul>	1105	
	• Along with the corresponding oil pump with a power of 0.37 kW		
	• With a water pump with a power of 0.55 kW		
	• 6 controllable PT100		
	Consumable and spare parts: cutter blade, cutter		
	base, die 09001 ISO10002   ISO10004   ISO14001   0	OHSAS1800	1 HSE-MS
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38	2 meters conveyor belt with 2.2 kW motor	1PCS	
	Tumble dryer:		
	• For a line with a capacity of 2 tons per hour		
	• Dimensions : heigth : 5 meters width: 3 meters length: 15 meters		
	• Material of the body and the main structure of the can and corner and stud St37		
39	• Inner sheet made of galvanized material and body sheet made of galvanized material and oil	1PCS	
	• 10 blower fans, 5.5 kW, 3000 rpm		
	• 3 tractor engines of 2.2 kW with gearboxes of 6 revolutions per minute		
	• galvanized channels and St37 steel		
	• Has a gas burner torch of 1,200,000 kilocalories		
	Sifter sieve:		
40	• 2.2 kW motor		
40	• made of St37 body	1PCS	
	Consumable and spare parts: gride, mesh		
41	conveyor belt 2 meter s with 2.2 kW motor	1PCS	
42	Drum Coater	1PCS	
43	2 meters conveyor belt with 2.2 kW motor	1PCS	
4.4	Vacuum Coater: Lubrication system		
44	Body made of St37 material	1PCS	
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	• With 8 spray nozzles		
	• With a spray hozzles		
	• With 5.5 kW electric motor and helical gearbox		
	System and preheated tanks and mixing and spraying of liquid materials		
	<ul> <li>Preheated tanks with a capacity of 200 kg</li> </ul>		
	• With 3 load cells		
45	• With 2 elements		
40	• With a mixing pump with a power of 0.55 kW	1PCS	
	• With a spray pump of 0.55 kW		
	• With a suction pump from the main tank with a		
	power of 1.1 kW		
	• Consumable and spare parts: Preheat element		
46	conveyor belt 2 meter s with 2.2 kW motor	1PCS	
	Cooler system for aquatic feed production		
47	• Special for 1 to 3 tons per hour line		
47	With volume capacity of 1200 liters	1PCS	
	• With a 5.7 kW blower fan , with the structure		
48	ID fan 11 kW	1PCS	
49	Cyclone diameter: 900	1PCS	
50	conveyor belt 2 meter s with 2.2 kW motor	1PCS	
E A	Bagging and weighing system		
51	• With 4 load cells	1PCS	
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	<ul> <li>Bagging system with two pneumatic jacks</li> <li>Material transfer system for weighing with the help of 2 screw conveyors</li> <li>along with a conveyor belt 1.1 kW motor</li> </ul>		
52	Element sewing system or sewing wheel It can be ordered as desired by the employer	1PCS	
53	Boiler	1PCS	
54	Air compressor	1PCS	
55	TOTAL PRICE (USD \$)		

It is necessary to mention :

1- All the costs of cable laying - steam and water piping - steam boiler - installation and commissioning are with Atie Sazan Negin Faraz (L.lion) company.

2- This company will send 3 engineers to supervise electrical and mechanical installation to that company. The employer must provide welders and mechanics to them.

3- This company will receive 70% of the mentioned amount as advance payment on the day of signing the contract,

20% during the construction of the equipment

10%( and the remaining) after the delivery of the equipment.

4- This company's equipment has a 2-year warranty and it will provide Services for 1-year.

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5- Delivery of the equipment will be at the buyer's factory door.

6- The cost of engineers coming and returning- accommodation - food, etc. at the workplace will be borne by the employer.

7- Renting a shed according to the opinion of experts and contractors

8- The equipment delivery time is 3 months after the time of advance payment.

9- The duration of equipment installation is 30 days.

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