



GURU ENGINEERS

Mfg. of Processing Equipment, Material Handling Equipment & Trunkey Projects
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GE/282/21-22/QTNrev3

28/12/21-22

QUOTATION

To
KISHAN FIELD FRESH FARMER PRODUCER CO.LTD
GAT no-448, Taradgaon, tal-Phaltan
Dist.- Satara, Maharashtra, India
Email- agrok09@gmail.com
Mobile - 9673759349

Subject - Offer for multiple vegetable canning process equipment's

Dear Sir,

As Per Your Requirement, we are submitting herewith our lowest & competitive Techno-commercial offer for the supply of following Machineries / Equipment's.

CANNING MACHINERY CAPACITY -500 CANS/ BATCH
CAN SIZE - 850 GRAMS

Sr. No	Description	Cap.	Qty	Rate	Amount
1	SWEET CORN WASHER	500kg/hrs.	01	425000	425000
2	BELT TYPE BLANCHER	500kg/hrs.	01	575000	575000
3	BELT TYPE CHILLER	500kg/hrs.	01	495000	495000
4	DEWATERING VIBRATOR	500kg/hrs.	01	295000	295000
5	SS WORKING TABLE WITH DRAIN	500kg/hrs.	01	33000	33000
6	BRINE PREPATION KETTLE - STIRRER TYPE - 250 LITS	500kg/hrs.	01	185000	185000
7	MANAULLY BRINE FILLING TANK WITH PUMP	500kg/hrs.	01	125000	125000
8	CAN EXHAUSTER SYSTEM	500kg/hrs.	01	495000	495000
9	TURN TABLE	500kg/hrs.	01	225000	225000
10	ELECTRICAL CONTROL PANEL		01	245000	245000
11	SS HORIZONTAL STERILIZER (Retort) for can and bottle > PLC base fully automatic > Can -500 Nos per batch of 850 grams > SS304 MOUNTING TROLLEY 2nos > SS 304 CAN MOUNTING BASKET -2nos HEAT EXCHANGER	500kg/hrs.	01	2085000	2085000
12	LUG CAPPING MACHINE -SEMI AUTOMATIC	500kg/hrs.	01	295000	295000
13	CAN REFORMER	500kg/hrs.	01	145000	145000



14	CAN FLANGER	500kg/hrs.	01	95000	95000
15	CAN BEADER	500kg/hrs.	01	245000	245000
16	TESTINGTOOLS FOR CAN	500kg/hrs.	01	15000	15000
17	DS 24 CAN SEAMING MACHINE	500kg/hrs.	01	575000	575000
18	METAL DETECTOR MACHINE	500p/hrs.	01	295000	295000
				Sub Total	6848000
				Extra -GST	1232640
				TOTAL	8080640

TECHNICAL SPECIFICATIONS: -

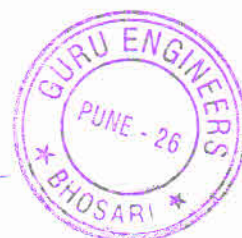
1. SWEET CORN WASHER -

- Overall size - 800mm W x 3500mm L x 2100mm mm H
- A rectangular section tank of size: widths 700 mm X 3500 mm, height 1000 mm approx.
- Belt is perforated for draining of water & made in poly propylene modular belt width 600 mm approx.
- The drive for the conveyor is through fixed speed geared motor. The speed of the conveyor belt is about 10 mtr. / Min.
- An electro- blower with filter in suction.
- Washer provided with water sprinkling on inclined part.
- Static water filtration & recirculation unit provided.
- Installation power: 3.5 HP.
- Motor - Crompton Greaves / ABB Make
- Gear Box - Bonfiglioli /Elec on / Ultra-premium Make

2. BELT STEAM BLANCHER -

- MOC-SS 304
- Size - 800mm x 3500mm x1250mm for discharge height of cooler
- A rectangular section tank of size: widths 900 mm X 2700 mm,
- The drive for the conveyor is through speed geared motor: The speed of the conveyor belt is maintained by VFD
- Belt speed is control by VFD from 500mm to 2000mtrs per minute
- One water inlet connection, one overflow connection and drain connection is provided
- One steam inlet connection with header is provided and temperature is maintained by solenoid valve is around 90 to 95 deg
- One temperature gauge is provided
- Installation power: 04HP.
- Air blower for Circulating steam -3hp - 1no's and 1 HP for conveyor

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3. BELT TYPE COOLER -

- Two rectangular section tanks are provided, one for normal water recirculation and second for chilled water circulation
- Size -600mm x 2500mm L and 1200mm H
- PP modular belt is provided with 10 sprockets
- 27% opening belt is provided
- The drive for the conveyor is through speed geared motor. The speed of the conveyor belt is maintained by VFD
- Belt speed is control by VFD from 500mm to 2000mtrs per minute
- One water inlet connection, one overflow connection and drain connection is provided for fresh water circulation and
- Normal and chilled water spray nozzles are provided on top of the belt
- water circulating pump is provided
- Installation power: 04 HP.
- Pump- 2HP and 1HP -conveyor

4. DEWATERING VIBRATOR -

- Supply & manufacturing of vibrator
- MOC - SS 304
- Size -600mm x 1800mm x 1000mm Ht
- Vibratory feeders consist of an open or closed frame tray mounted on a vibratory drive and a material hopper that sits above the tray. The drive vibrates the tray to cause the movement of material into the process. Vibratory feeders provide accurate and reliable feeding of vegetables to the next equipment
- Capsule type mesh is provided on top
- Rosta make oscillating springs are provided - 4nos
- Vibrating motor - italvibrus / oli make in Italy
- Vibrating motor -0.5HP - 02 no's

5. SS WORKING TABLE

- SS 304 table top and size - 2400mmx1100mm x 800mm height
- Four legs is provided in SS square tubes and 30x30mm

6. BRINE PREPATION KETTLE -250 LITS-

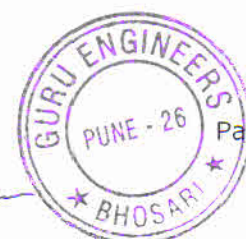
- SS 304 cylindrical body with bottom hemispherical portion
- The bottom hemispherical portion will have SS jacket for steam heating
- SS supporting legs with mounting pad
- Stirrer arrangement with PTFE scrapers, shaft & supporting tripod
- Fixed speed drive for stirrer shaft
- Steam inlet, outlet & drain connections
- Holding capacity - 250 lits
- Electric power requirement = 01 HP for stirrer shaft
- Steam requirement - 100 kg per batch at 3 kg/cm²

7. MANUALLY FILLING BRINE TANK WITH INSULATION-

Equipment consists of:

- Holding tank capacity -250lits
- SS 304 centrifugal impeller with body
- Power is 01HP and three phase connection and CG make
- Head is 10 mtr

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Suction and discharge are 40 * 40mm

8. CAN EXHAUSTER SYSTEM-

It consists off - SS 304

- The tunnel type steam exhauster suitable for exhausting of cans
- At the bottom of trough one steam connection is provided. The steam is directly
- Pursed inside the trough to heat the can up to required temperature
- SS 304 wire mesh type belt and belt width - 450mm
- Conveyor frame is made in SS304 square pipe 40mm x 40mm
- Top and bottom cover is provided and length of exhauster - 5000mm
- One steam header with inlet and drain connection is provided
- Temperature indicators with control and temperature sensor is provided
- Variable frequency drive (VFD) is provided for control the speed of belt.
- Geared motor is provided - 02 HP

9. TURN TABLE -

Supply and manufacturing of the rotating turn table

- Material of const- SS 304
- Size - 1200mm dia x 1000mm H
- Turn table is rest on moving wheels for support
- SS 304 flat is provided around the rotating turn table
- Turn table is moving with the help of geared motor
- Geared motor - 0.5 HP

10. CONTROL PANEL

- Suitable for above motors
- The panel consists off:
- Contactors, relay, push buttons, starter, vfd etc.
- MS powder coated panel
- Electrical panel for all above machine

11. HORIZONTAL STERILIZER (Retort) -fully automatic

HORIZONTAL TYPE RETORT - 02 BASKETS - plc based

Retort process - steam / air

Size - 1100mm diameter x 2 baskets

Retort Type	Static Retort Model
Number of baskets	02no's
One basket	250 EACH BASKET
CAPACITY	250 X 2 = 500 CANS OF 850 GRAM

Technical specification of Retort: -

- MOC - SS 304
- Vessel Diameter - 1100mm
- Vessel Length (Without dishes) - 2100mm
- Full insulated Vessel -50mm
- Vessel clad with stainless steel sheets
- Single door retort with tangential opening
- Manual Door opening with hydraulic system
- Steam distributor Pipe



- Water distributor header with spray nozzles
- Heat exchanger for indirect and sterile cooling
- Trolleys Base number -2
- Automatic valves for on/ off control of heating, cooling, pressure and the vent drain

Accessories -

- Spraying system like steam, air, water inside the retort, cooling circulating pump, track for movement of trolley, safety valve, pressure gauge, PT100.

Performance characteristic -

- Fully Automatic control by PLC computer /order input by touch screen easily.
- Record of temperature curve. And time curve.
- Mechanical interlocking safety system.
- Electronic and mechanical protection of overpressure
- Electronic automatic protection of overheats
- Temperature Abnormal Alarm

Design Conditions -

a)	Size of trays	850mmx850mm
b)	Maximum Working pressure	3 Bar relative
c)	Minimum working Pressure	0 Bar Relative
d)	Maximum working temperature	130 C
e)	Voltage	400 Volts
f)	Frequency	50HZ

Product Contents

- Steam / Air Retort (Fully automated PLC based)
- Pressure and temperature indicator
- Provide with probe for the measure of product temperature
- Water circulation pump - 05 HP
- Pneumatic control valves modulation for filling, emptying, condensation and entrance of vapor, water, air and water exhaust
- Safety valve is provided to avoid in being opened while pressure exist in the retort
- Valve assembly -
- Steam inlet valve -1 inch
- Cooling water inlet- 2 inch
- Compressed air inlet -1/2 inch
- Process water inlet - ½ inch
- Process water outlet -1 inch

Warranties

Our responsibility, once it is proved in a certified manner is limited to the following warranty.

1. Materials warranted: Any equipment including parts and components manufactured by us.
2. Duration: 12 Months from the date of commissioning under condition of a normal use i.e. based on 8 hours daily operating time. Even if this limit of working hours is not reached, the warranty will stop after 12 months in any case.

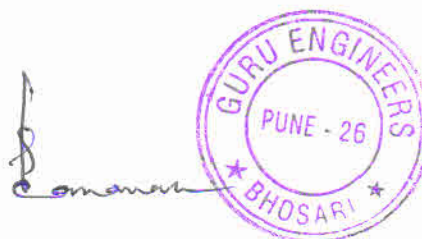
Process Cycle

The process cycle starts after the door is closed and locked

Venting / Temperature Come -up Phase

Sterilization cycle

Cooling Phase



End of Cycle

SS 304 MOUNTING TROLLEY

- It consists of SS 304 square frame in square tube of 40x40mm
- One handle is provided for movement of trolley in 32 mm SS 304 pipe
- One channel guide with both side rollers is provided mounting base
- Trolley consist of two fixed wheels & two moving /swivel wheels with brake & fitted to back side of trolley & loading carriage holding pins

Can mounting trolley -

- It consists of SS 304 square box and both side half opening for can loading and unloading
- Vertical and bottom frame is in SS 304 40x40 angle
- Centre and top frame is in SS 304 flat 40x5mm
- Four side is covered by SS 304 10mm bar at equal distances
- At bottom frame is SS 304 flat 25x3 and 10mm bar reinforcing
- At bottom on C- channel is provided for movement of trolley

12. LUG CAPPING MACHINE -SEMI AUTO -

- Semi-automatic lug capping
- Speed -500 bottle per hrs.
- Air piston with arrangement

13. CAN REFORMER-

1A Body Reformer

Machines for making Round Cans Suitable for cans 401 Dia [850 gm]
with Electrical: 1 HP 1440 RPM motor, Switchgear, Starter, Pulley, V-Belt, Conduits and fittings

14. CAN FLANGER-

1A Hand Flanger flanging the round cans suitable for 401 Dia [850 gm] with
Flanging Die & Ring.

15. CAN BEADER-

CM 510 Body Beader suitable for beading flanged cans from 300 to 700 dia cans and 915' height.
Maximum at a speed of 20 to 25 cans per minute with electrical.
Change parts: with 401 dia [850 gm]

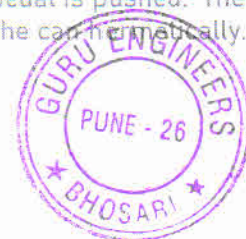
16. TESTING TOOLS FOR CAN-

- Hand can pressure tester
- Hand can vacuum tester
- Seam checking scale

17. DS 24 CAN SEAMING MACHINE

- Capacity 30-40 High Speed cans per minute. Can still type Seamer Suitable for seaming cans between 202 - 700 dia range. Sturdily built & very robust construction. Complete body of graded cast iron. Seaming operation is fully automatic after the can is placed & pedal is pushed. The can is stationary while the seaming head with roller rotate, thus seaming the can mechanically.





- Change parts comprising of Seaming Rollers, Can Slide Can Guide and Seaming Chucks for
- To suit your 401 CHANGEPARTS [850 gm]

Electicals: 2 HP 930 RPM motor, Switchgear, Starter, (Suitable for operation of 400 V !.5% 3 phase 50 cycles supply) Pulley, V-belt, Cables, Conduits and fittings

18. METAL DETECTOR MACHINE -

UNIQUE MICRO SCAN METAL DETECTOR Model: MSMD-400 having an Aperture size of 400 mm Width and 100 mm Height, designed to detect metal contamination of 1.2 mm Ferrous and 1.5 mm Non Ferrous and 1.8 mm Stainless Steel Metals and above, fitted on Stainless Steel Conveyor System of 1.5 mtrs. Long with a belt width of 350 mm wide (PU Grade), Conveyor Guide, 415V, 3 Ph, Geared Motor, Starter and all its required accessories with Belt Interlocking system on Metal Detection.

Construction:

Metal Detector: Stainless Steel 304
Conveyor System: Stainless Steel 304

Operating Voltage:

Metal Detector: 230 VAc 1 Ph, 50 Hz.
Conveyor System: 415 VAc, 3Ph, 50Hz

Exclusion -

1. Civil and infrastructure
2. Customer scope of work - Civil work, flooring coba/Kota finishing, main 3 phase power supply to unit with cable and 4 pole MCB
3. Street lighting and supply
4. Boiler inspection for district authority
5. Water supply to all machinery

COMMERCIAL TERMS & CONDITION:

1	Price Basic	Ex-Works Pune
2	P & F	Extra @ 3%
3	GST	Extra 18%
4	Freight	Extra to be borne by Purchaser
5	Transit & Insurance	to be arranged by Purchaser
6	Payment Terms	60 % advance along with Purchase Order. 40 % balance along with taxes & duties against Performa invoice before dispatch of equipment.
7	Delivery Period	Within -12 weeks from the date of receipt of your techno-commercially clear

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		purchase order / Drawing approval whichever is later.
8	Validity	120 days from the date of this offer.
9	Inspection and Design	We will carry out inspection as per standard Procedure. In case you desire to inspect, one Week notice will be given for final inspection At our works/our subcontractor's works. In inspection is not arranged within the period, it will be treated as waiver and equipment will be dispatched with our internal inspection Report. In case of 3rd party inspection, the charges If required any design changes in above mentioned equipment's and layout drawing, we can right to change.
10	Supervision During Erection & Commissioning	1. Our charges for supervision of Erection and Commissioning will be Rs. /- per man day. To and fro Air/Rail fare shall be borne by you. You shall provide free lodging and boarding and local charges 2. and same for our executive 3. Tools and tackles, labor for erection and commissioning of all equipment - on client scope
11	Specifications	Specifications, dimensions, design, description, shades of paint etc are not binding on supplier in minute details and are subject to reasonable alteration / change without notice.
12	Cancellation	Order received and acknowledged by supplier shall not be subject to cancellation, either wholly or partly for any reason whatsoever without supplier's written consent
13	Jurisdiction	All contracts between purchaser and supplier are deemed to have entered into at Pune and are therefore subject to the Jurisdiction of Courts at Pune
14	Warranty	We will warrantee the equipment for a period of 12months from the date of commissioning or 18 months from the date dispatch whichever is earlier The warrantee hold good for defective material and or faulty workmanship only and does not apply to normal wear and tear during operation as also to damage due to faulty handling/ operation of equipment. This warrantee is subject to the equipment being erected / commissioned under our supervision
15	Force Majeure	Acts of God, Natural Phenomenon including but not limited to flood, earthquake, typhoon and epidemic Acts of Government, Domestic or Foreign, including but not limited to declared or undeclared war, priorities, embargoes, quarantines , power cuts, strikes, lockouts, sabotages and acts of workmen including those of our subcontractor's workmen If the work gets delayed due to force majeure conditions, suitable extension of time shall be granted to enable us to complete the work

We hope you will find our offer in line with your requirement. In case you require any additional information, please feel free to contact us.

Thanking you and assuring you of our best attention and services at all times, we remain.

Yours faithfully

For GURU ENGINEERS, PUNE

