

Turnkey Project for Fruit, Vegetables, Pickles, Ketchup, Jams, RTE, RTS, Tooty Fruity & Confectionary.

Quotation

To, **PALLAVI TECHNO FOODS PVT LTD.**

Office No.1, 2nd Floor, Mahesh Chambers, S N-688/B/1, Satara Road,
Bibewadi, PUNE.-411 037
Phone No: 020-24212202

Quotation No: KES/22-23/344 Date: 26-07-2022

Kind Attention: Mr. Shekhar Gadgil

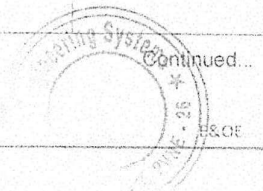
Sr#	Description	Rate Per Unit	Quantity per Unit	Amount
1	JUICE PRODUCTION LINE 500 LPH:	0.00	0.00	0.00
2	JUICE EXTRACTION MACHINES	24,50,000.00	1.00	24,50,000.00
	<p>MILLING SECTION</p> <p>1) FRUIT CARRIER : MS. Fabricated 355 mm wide horizontal loading length.</p> <p>2) FRUIT MILLER : Side Plate fabricated from tested mild steel plates, Mill base fabricated from 8" x 3" channel. Top cap fabricated from M.S. Plates. Side cap fabricated from M.S. Plates. Top & Side Bearing Housing with G.M. Bush shall be Mild steel. C-roll Scraper Stand & C-roll Scrape fabricated M.S. plates. Both Mills are Driven by Planetary Gear box with 20 H.P. Electric Motor.</p> <p>3) INTER CARRIER : Width - 14" Belt type, Spocket. Chains. Side plates. Rollers, Driven by mills with sprockets & chain.</p> <p>4) WASTE CARRIER : 1 QTY. Length 20 feet Width 400 mm - 15" M.S material plates. Rubber conveyer belt. Driven by 2ND Mill with sprocket. Planetary Gear box with 20 H.P. Electric Motor-1 NOS, Planetary Gear box with 20 H.P. Electric Motor-1 NOS Planetary Gear Box with 3 H.P. Electric Motor for Cane Carrier-1 NOS, Total H.P. Required for Milling Plant - 20+20+3 = 43 H.P.</p> <p>5) ROTARY SCREEN VARIATOR S.S. 316 & CONNECTION : 1 QTY. Fruit juice transfer pump 1.5 hp - 1 Nos. Fruit juice storage tank 1,000 Ltr - 2 Nos. Fruit juice Transfer Piping- 20 M (With Valves)</p>			



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Subject to Pune jurisdiction

3	<p>SUGAR FEEDING SCREW CONVEYOR: MOC : S.S.304. Size: Ø141 mm x 3000 mm (inclined length). Feeding height 900 mm with feeding hopper. Discharge height suitable to feeding sugar syrup prep. tank. Screw flights in 3 mm thickness With equal pitch 100 mm. Magnetic cartridge rod frame will be fit at bottom end of hopper or screw inlet for to trap foreign (metal) particles. Screw holds on square tube structure. Feeding hopper have top safety greating. Electrical Load: 2 HP make SEW/ Bonfiglioli.</p>	3,60,000.00	1.00	3,60,000.00
4	<p>SUGAR SYRUP PREPARATION TANK 500 LIT.: (INSULATED) WITH HEAT EXCHANGER MOC : S.S.304. Size: Ø900 mm x 1000 mm shell height. Shape: Conical top & bottom. Sugar dissolving by radial type pressure mixing nozzle inside the tank. Legs : Tank is supported on 3 nos. legs with level adjustment ball fit. Connection: Product inlet & outlet , water inlet, sugar inlet manhole, level glass tube assy, CIP spray ball etc. insulation. Rockwool insulation with 5.S. cladding.</p> <p>HEAT EXCHANGER: FOR MAKING HOT WATER SYRUP RECIRCULATION CENTRIFUGAL PUMP 7500 LPH: MOC: SS 304. FLOW- 7500 LPH. HEAD- 10 MWC. MOTOR- 1.5 KW / 2 H.P. SUC/DIS- 38 x 38 SEAL TPE- SMSS SEAL FACE- TC/TC/VITON</p>	4,80,000.00	1.00	4,80,000.00
5	<p>SUGAR SYRUP PLATE FILTER PRESS 18" WITH HYFLOW TANK 100 LIT.: MOC: S.S.304. No. of Plates : 15 (Shallow), Thickness Of plate : 1.6 mm, Diameter of shell : 530 mm, Scavenger plate : 14 mm, Shell Thickness : 3 mm, Total Filtration Area : 2.4 m2, Total Cake Holding Cap. : 60 Kgs, Output : 3000 L/Hr (Depends On Liquid Viscosity), Wetted Parts : S.S. 316, Non Wetted Parts : S.S. 304, Trolley : S.S. 304, Seal Material : Silicon, Surface Finish : Polished, Inlet : 1½" NB TC end, Outlet : 1½" NB TC end, Air Vent : ¼" BSP, Pressure Gauge : 3/8" BSP, Safety Valve : 3/8 " BSP, With Pump Head - 40 M (4 bar), Temp- 95°, Pump Material- SS 316L & CF3M, Mech. Seal- 9.468a (Single Mechanical Seal) TC/TC/Viton, Elastomers- Viton, Connections- SMS End, Suction Side : 65, Discharge Side- 50, Motor- 5 HP/ 3.7 kW. n= 2900 rpm, 50 Hz, Insulation Class ISO: F Class Voltage 415 V.</p>	3,50,000.00	1.00	3,50,000.00
6	<p>DUPLEX FILTER: MOC: S.S.304. Dual shells with inner cylindrical filtration mesh 1.5 mm hole size. inlet & outlet Dia. 51 mm Sms type union ended connections. Operating with butterfly valves. Working temperature -10 °C to +120 °C (EPDM) and maximum Working pressure 10 bar/145 PSI.</p>	70,000.00	1.00	70,000.00
7	<p>INLINE MAGNETIC TRAP: MOC.: SS.304 Size: Dia. 141 mm x 175 mm (L). Inlet /outlet port dia. 38 mm with SMS type union connection. Trap having 3 quantity of magnetic cartridge.</p>	55,000.00	1.00	55,000.00
8	<p>SYRUP HOLDING TANK 1000 LIT.: (INSULATED) MOC : S.S.304. Size: Ø1200 mm x 1000 mm shell height. Shape: Conical top & bottom.</p>	2,60,000.00	1.00	2,60,000.00

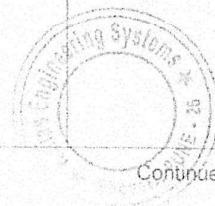


	<p>Legs: Tank is supported on 4 nos. legs with level adjustment ball fit.</p> <p>Connection: Product inlet & outlet, water inlet, manhole, level glass tube assy, CIP spray ball etc.</p> <p>Insulation: Rockwool insulation with S.S. cladding.</p>			
9	<p>CENTRIFUGAL PUMP 5000 LPH FOR SYRUP TRANSFER:</p> <p>MOC: SS 304</p> <p>FLOW- 5000 LPH</p> <p>HEAD- 10-15 MWC</p> <p>MOTOR- 0.75 KW / 1 HP.</p> <p>SUC/DIS- 38 x 38</p> <p>SEAL TPE- SMSS</p> <p>SEAL FACE- TC/TC/VITON</p>	60,000.00	2.00	1,20,000.00
10	<p>INGREDIENT MIXER 100 LIT. (STEAM JACKETED & INSULATED)</p> <p>MOC : S.S.304..</p> <p>Size: Ø500 mm x 600 mm shell height.</p> <p>Shape: Conical top & bottom.</p> <p>Tank with agitator for effective mixing.</p> <p>Legs : Tank is supported on 4 nos. legs with level adjustment ball fit.</p> <p>Connection: Product inlet & outlet, water inlet, manhole, level glass tube assy, CIP spray ball etc.</p> <p>Jacket & insulation: dimple jacket for steam heating & rockwool insulation with S.S. cladding.</p> <p>Steam jacket connections: Steam inlet, steam trap, air vent, safety valve, pressure gauge.</p> <p>Electrical load:</p> <p>High speed mixer 2 hp - 2800 rpm motor with blades.</p>	1,80,000.00	1.00	1,80,000.00
11	<p>INGREDIENT TRANSFER CENTRIFUGAL PUMP:</p> <p>MOC: SS 304.</p> <p>FLOW- 5000 LPH.</p> <p>HEAD- 10-15 MWC</p> <p>MOTOR- 0.75 KW / 1 HP.</p> <p>SUC/DIS- 38 x 38.</p> <p>SEAL TPE- SMSS.</p> <p>SEAL FACE- TC/TC/VITON.</p>	60,000.00	1.00	60,000.00
12	<p>JUICE BLENDING SECTION:</p>	0.00	1.00	0.00
13	<p>DUMP TANK 300 LTR. WITH PRODUCT TRANSFER CENTRIFUGAL PUMP:</p> <p>MOC: S.S.304.</p> <p>Capacity: 300 Ltr.</p> <p>Size: 750 mm (width) x 1000 mm (length) x 700 mm (Height).</p> <p>S.S.304 tank construct in 2 mm thickness.</p> <p>Rectangular tank with all side round corners.</p> <p>Side glass is provided to view the liquid level in the tank.</p> <p>Tank consist of top safety grid construct in flat & round bar.</p> <p>Tank is provided with Lid.</p> <p>Tank is supported on four legs with level adjustment ball fits.</p>	1,30,000.00	1.00	1,30,000.00
14	<p>BLENDING TANK 500 LIT.</p> <p>MOC : Contact parts in S.S.316 & non- contact parts in S.S.304</p> <p>Size: Ø900 mm x 1000 mm shell height.</p> <p>Shape: Conical bottom & open top with lids.</p> <p>Tank with agitator for effective mixing.</p> <p>Legs - Tank is supported on 4 nos. legs with level adjustment ball fit.</p> <p>Connection: Product inlet & outlet, water inlet, level view glass, CIP spray ball etc.</p> <p>Electrical load:</p> <p>1 HP Gearmotor.</p>	2,20,000.00	2.00	4,40,000.00
15	<p>TRANSFER CENTRIFUGAL PUMP:</p> <p>MOC: S.S.304.</p> <p>FLOW- 5000 LPH.</p> <p>HEAD- 10 MWC.</p> <p>MOTOR- 0.75 KW / 1 HP.</p> <p>Pump Type- Horizontal Pump,</p> <p>Impeller MOC- S.S. 304,</p> <p>Sealing- Single Mech Seal, Seal Face- Car Ceramic,</p>	60,000.00	1.00	60,000.00



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	Suitable For 55 deg. C. For Water, Motor- 3 Phase			
16	FINAL PROCESSING SECTION:	0.00	0.00	0.00
17	SIMPLEX FILTER: MOC: S.S.304. Shells with inner cylindrical filtration mesh 1.5 mm hole size. inlet & outlet Dia. 51 mm Sms type union ended connections. Operating with butterfly valves. Working temperature -10 °C to +120 °C (EPDM) and maximum working pressure 10 bar/145 PSI.	25,000.00	1.00	25,000.00
18	HOMOGENISER 500 LPH: Mounting: Two Stage. Type : Three Piston. MOC : SS 316 for Block & piston SS304 for structure and cover Operating pressure :200 Bar. Temperatur : App. 120 Deg. Drive: ABB/CGL - 25 hp 210 rpm, B3 mounting with IP 55 class protection Homogenizing Parts : TC. End Connections : SMS Type *Suction Size : 51.0 mm *Delivery Size : 51.0 mm Pressure gauge : Glycerin filled Diaphragm type imported 0 to 400 bar Akvala / Warrie Air Pressure Require: 6 g /cm2 Piston Cooling : With Soft water	8,50,000.00	1.00	8,50,000.00
19	READY BEVERAGES TANK 1000 LIT.: MOC: S.S.304. Size: Ø1200 mm x 1000 mm shell height. Shape: Conical top & bottom. Tank with agitator for effective mixing. Legs: Tank is supported on 4 nos. legs with level adjustment ball fit. Connection: Product inlet & outlet, water inlet, manhole, level glass tube assy,CIP spray ball etc. Electrical load: 1 H.P. Make SEW/Bonfiglioli.	2,70,000.00	1.00	2,70,000.00
20	READY BEVERAGE TRANSFER CENTRIFUGAL PUMP: MOC: SS 304. FLOW- 5000 LPH. HEAD- 10-15 MWC MOTOR- 0.75 KW / 1 HP. SUC/DIS- 38 x 38. SEAL TPE- SMSS. SEAL FACE- TC/TC/VITON.	60,000.00	1.00	60,000.00
21	TUBE IN TUBE PASTURISER CUM COOLER: MOC: All contact parts in S.S.316 & non contact parts in S.S.304. 2 mm thickness for Outer pipe & 1.6 mm thk. For Inner pipes. inner & outer tubes are corrugated for creating turbulence in liquid flow inside as well as outside of inner tubes as well as these corrugation will help to increase the surface area of tubes and give better performance. Pipes are Heat treated suitable for Heat exchanger. Temperature programmed: Heating: 35 degree to 95 degree. Cooling: 95 degree to 72 degree. (Heating media hot water circulation through battery) Heat exchanger for mixing steam & water. Heating media- Hot water circulates through the heating section of the machine to heating the product at set temperature within very fine limits in continuous process. System having flow diversion valve this routes the product after heating section. Automatic precision controls to ensure proper preheat up to certain desired set temperature programme in panel. If the product is properly preheated at desired set temperature, it flows forward through the unit.	14,60,000.00	1.00	14,60,000.00



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	<p>In case the product is not heated to the set heating temperature, it is automatically diverted by the FDV back to the balance tank. Balance Tank 200 lit capacity. It is usually operated by air pressure. If the temperature of heated product falls below set temperature, air pressure is released and the valve snaps shut immediately. When the temperature is regained, air pressure builds up and the valve opens up for the forward flow to occur. System having two PT-100 temperature sensors - one is at product inlet & 2nd is near at outlet to show the temperature differences. Centrifugal pump for hot water circulation. Process (screw) pump for product circulation. Inbuilt CIP Pump. All motors are flame proof. Steam regulating valve. All system will be skid mounted. System will be with Pressure gauge & Safety valve. Electric control panel with temperature sensor.</p>			
22	<p>PRODUCT PIPE LINE & FITTINGS WITH LABOUR CHARGES: MOC: S.S.304 Size: Dia. 38 mm x 60 mtr. Length. It contains: 1. Pipe = 60 mtr. length. 2. Bend = 22 Nos. 3. Equal tee = 12 Nos. 4. Union SMS = 18 Nos. 5. Dairy clamp = 30 Nos. 6. Butterfly valve = 12 Nos. (manual operated) Only product pipe line work in our scope.</p> <p>NOTE: 1. If any material will be added or subtract from mentioned list of material, it will be charged extra or deduct from submitted cost. 2. steam & water piping is not in our scope.</p>	2,85,000.00	1.00	2,85,000.00
23	<p>ELECTRICAL PANEL FOR ABOVE EQUIPMENT: Panel body construct in S.S.304 material with door. Electrical panel contains starter for all above equipment with respective H.P. R Y B indicator, temperatur indicator for sugar syrup tank only. Also contains on/off switch, temp. sensor & controller as pr requirement.</p>	3,90,000.00	1.00	3,90,000.00
24	<p>FILLING SECTION:</p>	0.00	0.00	0.00
25	<p>BOTTLE RINSING MACHINE: MANUAL Direction of Movement- Clockwise Main Motor- 0.5 HP / 415 V / 50 Hz., Pump- 1 HP / 415 V / 50 Hz.x 2 Nos., Electric Heaters- 3 Kw, Tank capacity- 75 Ltrs. S.S. 304 x 2 Nos., Wash Cycle- 4 inner + 1 outer, Working Height- 860 to 910 mm.</p>	3,80,000.00	1.00	3,80,000.00
26	<p>ROTARY BOTTLE FEED TABLE MOC : SS 304 Specification: Dia. 900 mm x 900 mm ht. Bottom plate 8 mm thk. Adjustable Guide for bottle exit. Electrical Load: Gear Box 1 hp - 64 rpm</p>	1,60,000.00	1.00	1,60,000.00
27	<p>TWO HEAD FILLING MACHINE MOC..Complete body will be in SS 304 and the contact parts will be in SS 316. Machine Type: - Pneumatic operated Size: 750 (Width) x 1650 (Length) x 1800 (Total height). Filling Range: 200 ml to 1000 ml. Filling nozzle up & down moving arrangement with help of pneumatic cylinder. This machine consist hopper. Filling machine provision of high level sensor.(Customer should confirm the socket size) Capacity of hopper is 50 kg. Hopper construct in S.S. 316 material 2 mm thickness. Nozzle system to avoid the spillage and foaming of product at the</p>	7,50,000.00	1.00	7,50,000.00



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	<p>time of filling.</p> <p>No of nozzle 2 no's, with Servo nozzle assembly.</p> <p>All Pneumatic fitting will be SMC /FESTO make.</p> <p>Cold /hot filling upto 85 Deg Cent.</p> <p>System having electric control panel (manual operated).</p> <p>Panel Body construct In S.S.304 material.</p> <p>on/off switch, Push button & relay, RYB indicators & Emergency stop switch.</p>			
28	<p>SLAT CHAIN CONVEYOR FOR MANUAL CAPPING</p> <p>M.O.C. : SS 304.</p> <p>Size- 115 mm W x 3000 mm L x 900 mm Ht.</p> <p>Belt width 82 mm with adjustable guide.</p> <p>Conveyor with both side stationary tables for capping manually by workers.</p> <p>Electrical load: 0.5 HP SEW/ bonfiglioli make drive.</p>	1,75,000.00	1.00	1,75,000.00
29	<p>COOLING TUNNEL:</p> <p>MOC: All contact & Non contact parts in S.S.304 except sprockets & gearmotor.</p> <p>Size: 1000 mm (width) x 3000 mm (Length) x 1020 mm working height.</p> <p>Total height: 1600 mm.</p> <p>Modular Belt Conveyor with VFD to adjust the retention time of bottle.</p> <p>Temperature Programme:</p> <p>Cooling: 90 Deg. C to 60 Deg. C .</p> <p>60 Deg. C to 40-45 Deg. C.</p> <p>Tunnel having three stage cooling section with different temperature water for cooling purpose.</p> <p>First stage cooling section:</p> <p>First section consist of normal water spray on bottles.</p> <p>sparging coil inside the tank and recirculate by pump through inbuilt filter tank.</p> <p>Second stage cooling section:</p> <p>Second stage of cooling by fresh normal temperature water and recirculate by centrifugal pump through filter tank.</p> <p>Third stage cooling section:</p> <p>Cooling by cooling tower water. (From cooling tower to our machine & return pump and its pipeline -Customer scope)</p> <p>All three bottom water collection tanks consist of clean holes of Dia.300 mm for cleaning purpose.</p> <p>First section have temperature sensor & indicators for hot water section only.</p> <p>Water Spray Nozzles are easy & quick to remove for cleaning purpose.</p> <p>Belt having both side finger plates for easy to transfer the bottles.</p> <p>Cooling Tunnel with S.S. control panel contains with VFD - danfos make for belt and starters for all motors with-respective hp, on/off switch, temperature sensor.</p> <p>Electric Load:</p> <p>2 HP SEW / Bonfiglioli make drive.</p> <p>3 HP for water circulation pump - 2 Nos.</p> <p>INFEED & OUTFEED CONVEYOR FOR COOLING TUNNEL:</p> <p>M.O.C.: S.S.304.</p> <p>Size: 200 mm (w) x 2000 mm (L) x 1000 mm (ht).</p> <p>Belt width 114 mm with adjustable guide.</p> <p>Belt material - PP.</p> <p>Conveyors will provide with overload limit switches.</p> <p>Side channel construct in 2 mm thickness.</p> <p>S.S.304 structure of square tube.</p> <p>it will be mount on level adjustment ball fit.</p> <p>Electric Load -</p> <p>0.75 H.P. SEW / Bonfiglioli make drive.</p>	12,50,000.00	1.00	12,50,000.00
30	<p>BOTTLE AIR DRYER</p> <p>Air knife, 5 hp blower with acoustic enclosure and two Air knife</p> <p>Pressure & air flow control system,</p> <p>High grade air pipes & rigid structure.</p>	3,90,000.00	1.00	3,90,000.00



31	STICKER LABELING MACHINE: Automatic Sticker labeling Machine for speed up to 60 bottles/Min VSC/VLC suitable for round bottles of different dia. without any change parts having vari speed product conveyor, wrap around device, imported product sensor, suitable label sensor and microprocessor controlled servo dispenser with all base frame covers of S.S. duly matt finished as per GMP. (depend upon label length) & label height upto 150 mm.	4,50,000.00	1.00	4,50,000.00
32	INKJET PRINTER:	2,80,000.00	1.00	2,80,000.00
33	AUTOMATIC SHRINK WRAPPING MACHINE IN MS POWDER COATED WITH EXIT ROLLER CONVEYOR.	9,50,000.00	1.00	9,50,000.00
34	ROTARY END TABLE MOC : SS 304 Specification: Dia. 900 mm x 900 mm ht. Bottom plate 8 mm thk. Adjustable Guide for bottle exit. Electrical Load: Gear Box 1 hp - 64 rpm	1,60,000.00	1.00	1,60,000.00
35	ELECTRICAL CONTROL PANEL FOR FILLING EQUIPMENTS: Panel body construct S.S.304 Electrical panel contains starter for all other motors with respective H.P. with on/off switch, emergency stop button, Push button & relay, RYB indicators & Emergency stop button.	2,50,000.00	1.00	2,50,000.00



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		TOTAL	1,35,50,000.00
PAN No	AAHFK6116G	PnF, 3.00%	406500.00
GSTN No	27AAHFK6116G1ZE	Installation & Commission, 7.50%	1016250.00
		Trade Total	14972750.00
		Total CGST	1347547.50
		Total SGST	1347547.50
		Total GST, 18.000%	2695095.00
		TaxLI Total	17667845.00
		Grand Total	17667845.00
One Crore Seventy Six Lac Sixty Seven Thousand Eight Hundred and Forty Five Rupees Only			

TERMS AND CONDITIONS

- 1 Delivery - 14 to 16 weeks after receiving advance 60% at our end against as per agreed techno commercial Purchase order.
- 2 Payment - 60 % advance & balance 40 % along with applicable GST tax against Proforma invoice before dispatch.
- 3 Taxes & Duties: As per applicable GST 18% will be charged extra.
- 4 Packing charges - 3% extra on total order value.
- 5 Food and accommodation for erection team will be arranging by your side.
- 6 Erection and commissioning charges will be 7.5% extra of total order value.
Site arrangement during the erection shall be in customer scope:
Like Forklift, Hydra, Argon cylinders, 3-phase supply connection, and lighting arrangement at workspace, etc.
- 7 Warranty: Period of warranty for faulty material & workmanship will be 12 months from the date of dispatch. Our liability under this clause will be restricted to only the repair and replacement of defective component.
- 8 Offer will be valid for 15 days from the date of issue.
- 9 Transport - At your Account.
- 10 Any electrical work related our machinery, its cabling work & supply cables all are should be in your scope.
- 11 Bank Details:

A/c Name - Kailas Engineering Systems
 Bank Name - The Federal Bank Ltd.
 A/c No. - 1581550000389
 IFSC code - FDRL0001581
 Branch Name - Pimpri-Chinchwad, Pune
 Branch Code - 1581
 A/C Type - Cash Credit Account
 Pan No. AAHFK6116G
 Swift Code - FDRLINBBIBD

- 12 Your authorized person must be taken FAT at our work station in Pune before dispatch. (Mandatory term)
- 13 After FAT any changes require on-site then it will be considered extra work it should be directly applied additional cost to the customer.
- 14 We reserve the right to alter, modify the specifications and design of the equipment with our constant aim to improve the same.



Authorized Signatory/Partner

For KAILAS ENGINEERING SYSTEMS