



LAKSHMI INDUSTRIAL EQUIPMENTS

ISO 9001:2014 CERTIFIED COMPANY

Manufacturers & Exporters of Machineries related to :

COCONUT, TEA & SALT PROCESSING PLANT

No.10, 1st Street, Moovar Nagar, Koundampalayam, Coimbatore - 641030
Factory: 6-B, Kuttai Thottam, Vellaikinaru, G.N.Mills Post, Coimbatore - 641029

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GST no.: 33DHLPM4219L1Z2

IEC:DHLPM4219L



Ref No: LINE/Q/ 3845/21-22/ R-2

29-12-2021

10,000 NUTS PER SHIFT VIRGIN COCONUT OIL & DESICCATED COCONUT POWDER PROCESSING PROJECT

Subject – VCO & DC PROCESSING PROJECT

Virgin Coconut Oil Extraction Plant (One Day 800 Lit)

Low fat Desiccated Coconut Powder 800 Kg (By Product)

High fat Desiccated Coconut Powder Plant

Contents:

1. Price List
2. Technical Specification



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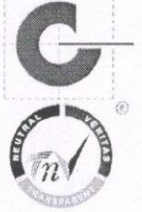
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JAS-ANZ



GST no.: 33DHLPM4219L1Z2

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25,000 NUTS PER SHIFT VIRGIN COCONUT OIL & DESICCATED COCONUT POWDER

PROCESSING PROJECT

S.NO	PARTICULARS	QTY	PRICE	T PRICE	POWER HP
	VCO – (Section 1)				
1	COCONUT DE-HUSKING MACHINE (Output with /without tuft) <ul style="list-style-type: none">➤ Power 3 Hp with Geared motor➤ Output 1000 nuts / hr➤ Material - Mild steel frame. Hi Tension Steel cutter➤ Separates Coconut Husk	1	2,75,000	2,75,000	3
2	COCONUT DE SHELLING MACHINE <ul style="list-style-type: none">➤ Double head➤ Power 1.5 Hp with Geared motor➤ Output 600 nuts / hr➤ Machine size - Length - 1740 mm Width – 800 mm Height – 1125 mm➤ Material - Mild steel frame➤ Hi Tension Steel cutter➤ Separates Coconut Shell	6	1,05,000	6,30,000	1.5x 4=6
3	COCONUT BROWN SKIN (TESTA) REMOVING MACHINE <ul style="list-style-type: none">➤ Double head➤ Power 1.5Hp➤ Capacity -600 nuts/hr➤ Machine size - L -1000 mm x W - 800 mm x H -1200 mm➤ Material - Mild steel frame Other Contact area Stainless Steel 304 Grade.➤ Aluminium disc➤ Separates coconut skin➤ Machine Operation manual	6	85,000	5,10,000	1.5 x4=6

4	<p><u>SHREDDING MACHINE FEEDING CONVEYOR</u></p> <ul style="list-style-type: none"> ➤ Power 1Hp with Geared motor ➤ Conveyor Size- Length – 3500 mm Width – 300 mm ➤ Material - Stainless Steel 304 Grade. Chain & Sprocket Drive 	1	94,000	94,000	
5	<p><u>SHREDDING MACHINE</u></p> <ul style="list-style-type: none"> ➤ Power 3 Hp ➤ Capacity - 500 kg/hr ➤ Machine size overall Length - 700 mm Width - 610 mm Height - 1300 mm ➤ Material - Contact area Stainless Steel 304 food Grade with Mild steel frame ➤ Separates coconut Small pieces 	2	1,65,000	3,30,000	5
6	<p><u>WASHING SCREW FEEDING CONVEYOR</u></p> <ul style="list-style-type: none"> ➤ Power 1Hp with Geared motor ➤ Conveyor Size- Length – 3500 mm Width – 300 mm ➤ Material - Stainless Steel 304 Grade. Chain & Sprocket Drive 	1	94,000	94,000	
7	<p><u>WASHING SCREW CONVEYOR</u></p> <ul style="list-style-type: none"> ➤ Power 3 Hp Geared Motor ➤ Machine size overall Length - 4200 mm Width - 305 mm Height - 2000 mm ➤ Screw Size - Dia – 12” Pitch – 9” ➤ Material - Mild steel frame other Contact area Stainless Steel 304 Grade. ➤ Chain & Sprocket Drive 	1	2,48,000	2,48,000	1
8	<p><u>PULVARIZER MACHINE</u></p> <ul style="list-style-type: none"> ➤ Power – 20 Hp ➤ Capacity – 500 kg/hr ➤ Machine size overall Length - 2000 mm Width - 1300 mm Height - 1750 mm ➤ Material - Mild steel frame. Other Contact area Stainless Steel 304 Grade. ➤ Separates coconut Crash wet chips powder. 	2	3,25,000	6,50,000	5

9	FEEDING CONVEYOR Feed to milk extractor	1	1,10,000	1,10,000	1
10	<u>MILK EXTRACTOR MACHINE 500 KG Stainless Steel - coconuts /Hr</u> <ul style="list-style-type: none"> ➤ Motor Spec. – 7.5 Hp 5.7 KW 415 V 50-5+5Hz 10.5A ➤ with Geared Motor ➤ Motor : Siemens ➤ Gear : Bonfiglioli AS50 ➤ Synthetic oil filled ➤ Capacity – 500 kg/hr ➤ Machine size overall Length - 1800 mm Width - 600 mm Height - 1500 mm ➤ Screen frame - 50 x 20mm frame 304 Stainless Steel food grade ➤ Screen 3mm thickness perforated 6mm holes and ➤ Inner screen 1mm thickness with 1mm hole ➤ Front nut assembly compound frame assembly ➤ Complete machine body fully covered by SS304 food grade ➤ Heavy duty 10 inch coupling ➤ All Maintenances tools included ➤ Motor Starter included - L&T make ➤ Coconut milk and Low fat wet coconut powder ➤ Yield 70 % ➤ Screw press - one day 25,000 coconuts 		4,60,000	4,60,000	3
11	CIRCLE VIBRATORY STAGE FILTER <ul style="list-style-type: none"> ➤ Power 1 Hp ➤ Machine size Dia – 600 mm Height – 1000 mm ➤ Material - Contact area Stainless steel 304 Grade with Mild Steel Frame ➤ Tray Stainless steel 304 food grade ➤ Round Type Screen mesh 2 no's ➤ 100 micron Stainless steel 304 grade Cloth mesh ➤ Drive vibratory motor 	1	95,000	95,000	1
	VCO – (Section 2)				
12	SELF PRIMING PUMP AND SMALL COLLECTION TANK <ul style="list-style-type: none"> ➤ Power- 0.5 hp ➤ Type – Gear pump ➤ Tank – 304 Food grade ➤ Size – 400 mm x 400 mm x 400 mm ➤ Coupled with SS Ball valve 	8	30,000	2,40,000	0.5 x8=4
13	MILK STORAGE TANK Material – Stainless Steel 304 Food grade	1	65,000	65,000	

	Capacity- 200 Ltr With stainless steel ball valve				
14	CLARIFIER Power 5 hp Material stainless steel 304 food grade Capacity – 500 Litters	1	2,50,000	2,50,000	5
15	DISC CENTRIFUGE Power 5 hp Rotation Speed 15000 rpm Centrifugal Force 15,600 X 'g' force Bowl Solid holding Volume 5.25 liters Hydraulic capacity 2000 liters per hour Material of construction of bowl S.S. 306 Material of construction of other contact parts S.S.304 Method of transmission of drive By belt and pulley Method of Bowl Cleaning Manual Cleaning	1	5,00,000 ✓	5,00,000	5
	CENTRIFUGE Line 26 modal ABB Foot mounted TEFC squirrel cage IP55 / 415 V / 3.7 KW / 5.0 hp / 3000 rpm / III ph Motor. Fan cooled. Variable Frequency drive LG make for 5.0 hp. 2 No of Limit switches for safe operating conditions. Mild Steel powder coated control panel includes Hour meter, Emergency stop, Phase indicators, Hooter etc. Start / Stop switches. Rotating bowl with Stainless Steel 304. Gaskets : PTFE / NBR Sealing for process area: PTFE. Frame: - Mild steel dully painted. Guards: - Mild steel dully painted. Drive parts:- En 8 / En 19 / M.S. / With zinc silver plating. Drag Assembly:- Stainless Steel 304.	4	5,40,000 ✓	21,60,000	4 x4=16
	STIRRER TANK Power- 0.5 hp Material – Stainless steel 304 food grade Capacity – 200 ltr With ball valve	5	72,000	3,60,000	0.5x5= 2.5
18	PORTABLE STIRRER TANK Power- 0.5 hp Material – Stainless steel 304 food grade Capacity – 20 ltr With ball valve	1	75,000	75,000	0.5
19	MICRO FILTER Material stainless steel 304 food grade Power 1 hp Mounting frame mild steel Capacity 300 Ltrs / hr Dia of Plates 8” No Of Plates 6	1	2,25,000	2,25,000	1

20	VCO STORAGE TANK Capacity – 1000 ltr Material – 304 stainless steel food grade With valve	1	1,50,000	1,50,000	0.5
21	BOTTLE FILLING AND CAPPING	1	8,75,000	8,75,000	5
22	LABELLING	1	95,000	95,000	0.5
23	ALL VCO PIPE LINE FITTINGS & VALVE	1 SET	1,62,000	1,62,000	
	HIGH & LOW FAT DESICCATED POWDER				
1	<p>COMBINATION BED DRIER (Firewood fuel)</p> <ul style="list-style-type: none"> ➤ Drier size : 7500 x 1500 mm (drying gone) ➤ Base : 125 x 65 mm MS channel <p><u>Pleanum chamber :</u> Double wall -304 SS sheet and inner 304 SS sheet with wool packing louver system for a back and forward movement. Vibrating with spring blade and double eccentric unit coupled with 5 hp 960 rpm motor</p> <ul style="list-style-type: none"> ➤ Drying Zone Size 7500 mm X 1500 mm ➤ Drying Zone Sheet Thickness 2 mm ➤ Material SS 304 Grade ➤ SS 304, 2 mm Thick Grid Plate ➤ SS 304, 2 mm thick Levers Sheet inside the Drying zone ➤ Double Eccentric unit coupled with 5 Hp Motor ➤ Pulley & Belt Drive <p><u>Base Frame</u></p> <ul style="list-style-type: none"> ➤ Size 6100 mm X 1755 mm ➤ 125 X 65 mm MS channel ➤ 50mm X 50 mm X 6 mm SS 304 Angle Fabrication ➤ SS 304, 2mm thick Top Sheet ➤ Top Sheet Size 6100 mm X 1755 <p><u>Cyclone & Fan :</u></p> <ul style="list-style-type: none"> ➤ 2Nos of Cyclone Fan ➤ Material SS 304 ➤ Power - 5 Hp ➤ Pulley & Belt Drive ➤ 2Nos of Cyclone ➤ Material SS 304 ➤ With Connecting Ducts ➤ <p><u>Hot Air Fan:</u></p> <ul style="list-style-type: none"> ➤ MS Casing ➤ Suitable for Connecting Duct ➤ Power – 40 Hp ➤ EN8 Shaft mounted on a frame ➤ Pulley & Belt Drive ➤ Aerodynamic Impeller ➤ Hot air fan casing double wall with Glass wool packing 	1	14,50,000	14,50,000	39

	<ul style="list-style-type: none"> ➤ Material SS 304 ➤ 2 Nos Connecting Duct ➤ Straight Duct & Taper Duct ➤ Material SS 304 - Inner <p>The combination has established a strong foothold in the Coconut industry due to its high moisture evaporation capacity, trouble-free operation and low maintenance cost. Backed by prompt and efficient after-sales service, the machine offers complete peace of mind</p>				
2	<p>STEAM BOILER (1.5 Ton's Capacity Boiler) – Firewood fueled</p> <ul style="list-style-type: none"> ➤ Type of Boiler : Three pass Fully Wet Back ➤ Model : BE/FWB/15/150/002 ➤ Maximum steam output (F & A 100°C) : 2000 kgs/hr ➤ Maximum operating Pressure : 10.54 kg/sq.cm ➤ Hydraulic test pressure : 15.81 Kgs/sq.cm ➤ Heat Transfer Area : 600 sq.ft ➤ Thermal Efficiency ➤ (For Coal<Calorific Value-4000Kcal/Hr : 72% + 2% ➤ Type of Feeding : Manual ➤ Crate Area : 2 Sq.Mtr ➤ Mode of Combustion : Induced Draught ➤ Type of Fuel : Fire wood /Briquettes ➤ Shell Material : SA 515 /516 Gr 70 ➤ Tubes (2 ½" OD x 3.66 mm thk) : BS 3059 part I ERW <p>FEED PUMPS:</p> <ul style="list-style-type: none"> ➤ Type : Vertical Multistage centrifugal ➤ Make : CNP Nanfang ➤ Flow : 1.5 M3/sec ➤ Motor : 3 HP ➤ QTY : 2 Nos <p>ID FAN:</p> <ul style="list-style-type: none"> ➤ Type : Belt Drive ➤ Motor : 5 HP ➤ TEMP : 200 Deg.c <p>Chimney Height – 12 m</p>	1	14,75,000	14,75,000	16
3	<p>HEAT EXCHANGER</p> <ul style="list-style-type: none"> ➤ Medium : Steam ➤ Base tube Grade : SA 106 grade B, Carbon steel Seamless ➤ Base tube size : 21.3mm OD x 2.5mm thickness ➤ Fins : Aluminium Extruded ➤ Fin OD : 40mm OD ➤ Fins per inch : 9 Fpi ➤ Total No. of tubes : 260 Nos 	1	2,10,000	2,10,000	

	<ul style="list-style-type: none"> ➤ Total no. of banks : 4 nos ➤ Tubes in each bank : 65 nos ➤ Surface Area : 283.9 sq.m ➤ Header plate : 8mm ➤ Side sheet : 3mm ➤ Steam Inlet : 1 1/2" flange ➤ Condensate outlet : 1" flange ➤ Approximate size : 1600mm (L) x 1500mm (H) x 400mm (D) ➤ Painting : 2 coats of Aluminium Heat Resistant paint 				
4	<p>VIBRATORY SIEVER</p> <ul style="list-style-type: none"> ➤ Power 3 Hp ➤ Machine size <ul style="list-style-type: none"> Length – 4000 mm Width – 1400 mm Height – 1220 mm ➤ Material - Mild Steel Frame <ul style="list-style-type: none"> Other Contact area Stainless steel 304 <p>Grader Two separation</p>	1	1,80,000	1,80,000	3
5	<p>FEEDING CONVEYOR</p> <p>Power 2 Hp Belt 3 mm pvc food grade green Lining 22 x20 green pvc food grade Motor and gear drive Conveyor rollers grip mounded Frame mild steel Side guard stainless steel 304 food grade Length 2500 mm Width 1067 mm Height 1000 mm Speed minimum 36 rpm Speed maximum 72 rpm Speed adjustable vfd control Idlers rollers food grade</p>	1	1,22,000	1,22,000	2
6	<p><u>POWDER POUCH PACKING MACHINE</u></p> <p>Function : Filling, Sealing</p> <ul style="list-style-type: none"> • Voltage : 220v/50hz • Packing Speed : 20 - 30 Pouch/Min • Driven : Electric & Mechanical • Power : 1.3kw Single phase • Packing Type : Pouch • Sealing : Centre Sealing • Measuring : Pump. • Motor : Transtech Gears • Packing size: Width 160-320 mm. Length: 120-240mm. • Collar Type Packing Unit. • Material contact Stainless Steel 304 food grade. 	1	4,15,000	4,15,000	

- Machine functioning on Mechanical Cam Setting.
- Packing film will be LD.

ELECTRICAL PANEL BOARDS

1	MCC PANEL – 01 (For VCO Section- 01)	1	1,69,000	1,69,000	44 HP
2	MCC PANEL – 02 (For VCO Section- 02)	1	1,93,000	1,93,000	36 HP
3	MCC PANEL – 03 (For Drier Section)	1	1,68,000	1,68,000	60 HP
			TOTAL	1,30,35,000	
			GST 18%	23,46,300	
			GRAND TOTAL	1,53,81,300	

For
 LAKSHMI INDUSTRIAL EQUIPMENTS
 SUBBURAJ COIMBATORE
 +91 97860 20888



MATERIAL USED FOR MACHINERY

STAINLESS STEEL 304 FOOD GRADE & MILD STEEL FOR STAND AND NON CONTACT AREAS.

MACHINE SIZES

DETAILS SPECIFIED ALONG WITH MACHINERY SPECIFICATIONS.

ERECTION, INSTALLATION & TRAINING CHARGES

6% OF MACHINERY COST.

5 TECHNICIANS WILL BE DEPLOYED FROM OUR FACTORY. FOOD & ACCOMMODATION FOR THE TECHNICIANS MUST BE PROVIDED BY YOU.

POWER REQUIREMENT

POWER REQUIREMENT HAS BEEN MENTIONED IN THE MACHINERY SPECIFICATIONS.

TAXES

18% GST IS APPLICABLE

PAYMENT SCHEDULE

60% IN ADVANCE ALONG WITH FIRM PURCHASE ORDER, 20% BEFORE DELIVERY, 10% AFTER ERECTION AND 10% AFTER SUCCESSFUL TRIAL.

DELIVERY SCHEDULE

70 TO 90 WORKING DAYS FROM DATE OF ADVANCE PAYMENT ALONG WITH PO.

WARRANTY, SERVICE AND MAINTENANCE

BASIC TRAINING ON SERVICE AND MAINTENANCE WILL BE PROVIDED TO YOUR STAFF OPERATORS. ANY COMPLICATIONS WILL BE TRIED TO BE RECTIFIED OVER VIDEO CALL. OTHERWISE OUR TECHNICIANS WILL BE DEPLOYED TO RECTIFY THE PROBLEM.

WARRANTY PERIOD IS FOR 1 YEAR AND AFTER WHICH WE PROVIDE PAYED SERVICE.

TERMS AND CONDITIONS

PRICES QUOTED ARE EX-OUR WORKS COIMBATORE.

TRANSPORTATION COSTS IS AT THE SCOPE OF THE PURCHASER.

ELECTRICAL CABLES MUST BE PROVIDED BY THE PURCHASER.

OFFER VALIDITY IS 10 DAYS.

WORKING AREA FOR VIRGIN COCONUT OIL UNIT

80 FEET X 120 FEET BUILT-UP AREA WITH

20 FEET X 120 FEET INCLINED ROOF

BUILDING HEIGHT

20 FEET

WATER REQUIREMENT PER DAY

30,000 LTRS PER DAY.
