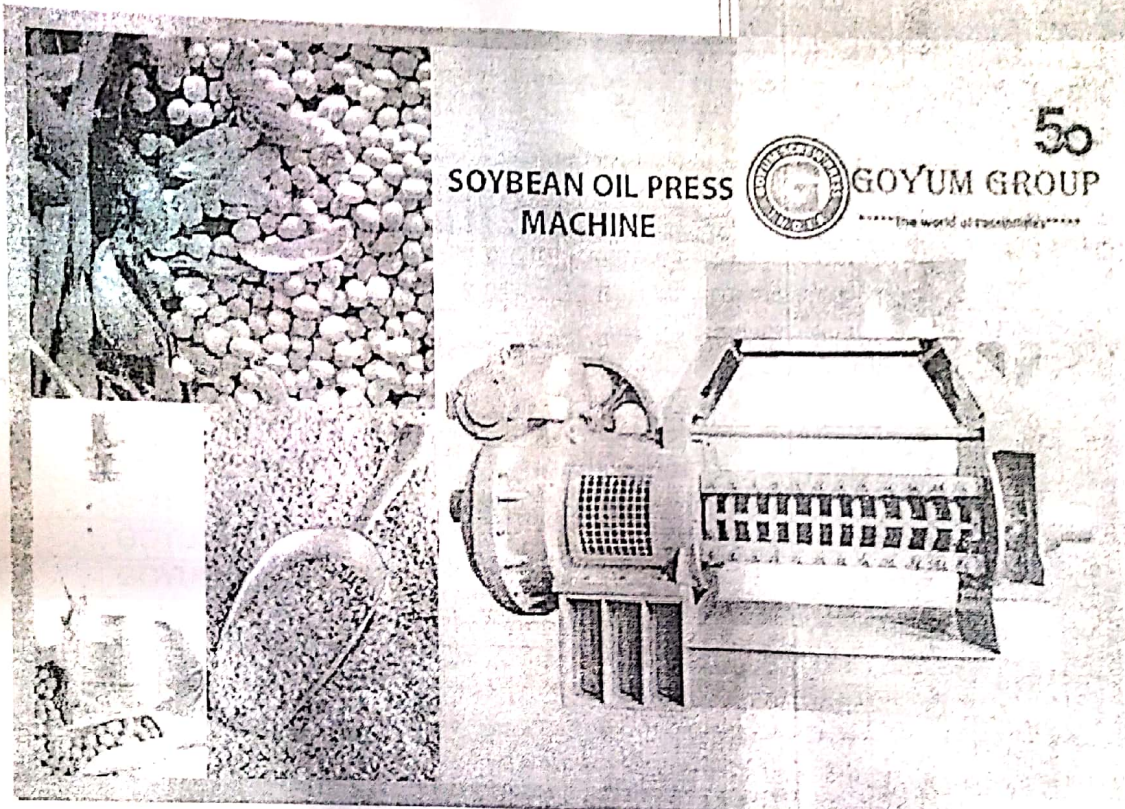


**TECHNO-COMMERCIAL PROPOSAL
FOR
M/s. DURGSAWANGI FARMERS
PRODUCER COMPANY LIMITED
MAHARASHTRA**



SINCE 1971

**SOYA OIL EXTRACTION PLANT FOR PROCESSING
1 TONS PER HOUR**



**GOYUM TECHNICAL
HOLDINGS PVT. LTD.**

(Manufacturers and Exporters of Complete
Vegetable Oil Extraction Plants, Refinery
Plants and Solvent Plants)

An ISO9001:2015 Certified Company

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INDEX

S. NO.	DESCRIPTION	PAGE NO.
PART I	PRICES AND CONDITIONS	
1.	PRICES	4
2.	PACKAGING AND FORWARDING	5
3.	VALIDITY OF THE QUOTATION	5
4.	DELIVERY	5
5.	TERMS OF PAYMENT	5
6.	INSURANCE AND INSPECTION	5
7.	CHARGES FOR EXPERT / ENGINEER	5
PART II	PERFORMANCE DETAILS	
1.	CAPACITY	6
2.	RAW MATERIALS	6
3.	QUALITY OF THE FINISHED PRODUCTS	6
PART III	UTILITY CONSUMPTION	
1.	ELECTRICITY	7
2.	MANPOWER	7
PART IV	TECHNICAL SPECIFICATIONS	
1.	MAGNETIC SEPARATOR	8
2.	PRE-CLEANING SYSTEM	8
3.	DE-STONING SYSTEM	8
4.	SOYA CRACKER	8
5.	GOYUM MK-4 SOYA OIL PRESS	9
6.	GOYUM' HEAVY DUTY SOYA EXTRUDER	9
7.	GOYUM' HAMMER MILL	9
8.	SOYA MEAL COOLER	9
9.	FILTER PRESS WITH PUMP	10
10.	BUCKET ELEVATOR	11
11.	SCREW CONVEYOR	11
12.	SPARE PARTS KIT	11
13.	OIL TRANSFER PUMP	11
14.	ELECTRICAL CONTROL PANEL WITH MIMIC	11
15.	MAKE OF BOUGHT OUT ITEMS	12
PART V	EXCLUSIONS	13
PART VI	PROCESS FLOW CHART	14
PART VII	CONTACT DETAILS	15

PART I: PRICES AND CONDITIONS**1. PRICES**

S. No.	DESCRIPTION	QTY	PRICE IN INR PER UNIT	AMOUNT IN INR
	SOYA OIL EXTRACTION PLANT Capacity 1 Tons Per Hour			
	PREPARATORY SECTION			
1.	GOYUM' Magnetic Separator Capacity 50 tons in 24 hrs.	1 Unit	495000.00	495000.00
2.	GOYUM' Pre-Cleaning System Capacity 50 tonnes in 24 hrs.	1 Unit	525000.00	525000.00
3.	GOYUM' De-Stoning System Capacity 50 tonnes in 24 hrs.	1 Unit	495000.00	495000.00
4.	GOYUM' Soya Cracker Mill Capacity 50 tons in 24 hrs.	1 Unit	695000.00	695000.00
	OIL EXTRACTION SECTION			
5.	GOYUM MK-4 Soya oil press Capacity 1 Tons per Hour 50 HP. Motor	1 Unit	1095000.00	1095000.00
		1 No.	178000.00	178000.00
6.	GOYUM Heavy duty soya extruder High capacity 1 Tons per Hour	1 Unit	1350000.00	1350000.00
7.	GOYUM Hammer Mill for Soya Cake Capacity 50 tons in 24 hrs.	1 Unit	450000.00	450000.00
8.	Soya meal cooler stainless steel for soya cake.	1 Unit	995000.00	995000.00
	OIL CLARIFICATION & FILTRATION SECTION			
9.	Filter press with pump (size: 24"x 24" + 24 plates)	1 Unit	420000.00	420000.00
	MATERIAL HANDLING EQUIPMENT'S			
10.	BUCKET ELEVATOR with 3 H.P. gear motor.	7 Units	135000.00	945000.00
11.	SCREW CONVEYOR with motor & gear box.	1 Lot.	425000.00	425000.00
	MISCELLANEOUS SECTION			
12.	SPARE PARTS kit: Worm, Reverse worm, Collar, DEO Ring, Cage bar, spacer box, v- belts and bolts.	1 Set	185000.00	185000.00
13.	OIL TRANSFER PUMP Centrifugal Pump to transfer filtered Oil from Filtered Oil Tank to BULK Storage.	2 Pcs.	32500.00	65000.00
	CONTROL PANEL FOR MACHINES			
14.	ELECTRICAL CONTROL PANEL with MIMIC	1 Unit	395000.00	395000.00
Ex-Works Prices :				8713000.00
G.S.T 18% :				1568340.00
G. Total :				10281340.00
(In Words Rupees: One crore two lacs eighty one thousand three hundred forty only)				

For Goyum Technical Holdings Pvt. Ltd.

Jinesh Kumar

Mg. Director

As Required.

2. PACKAGING AND FORWARDING

3. VALIDITY OF THE QUOTATION

This offer is valid for acceptance for **30 days** from the Pro-forma Invoice Date.

4. DELIVERY

The ideal delivery time of the equipment as mentioned above is between **60 to 90 days**.

Firm delivery time shall be given after the clarification of all commercial details and receipt of advance payment as per "Terms of Payment".

THE DELIVERY IS ESTIMATED ON PRESENT CONDITIONS. WE CANNOT BE HELD RESPONSIBLE FOR DELAYS BY FORCE MAJEURE, LABOUR, STRIKE, LOCKOUT, BREAKDOWNS, BY TRANSPORTER, ACT OF LEGISLATURE, ACT OF GOD, AND STRIKE AT THE PORTS OR ANY EVENTS WHATSOEVER BEYOND OUR CONTROL. ANY DISPUTES ARISING OUT OF THE CONTRACT WILL BE SETTLED IN LUDHIANA (INDIA) COURTS JURISDICTION.

5. TERMS OF PAYMENT

The Terms of payment are:

- a) 40% Advance payment at the time of confirmation of order.
- b) 60% Balance at the time of dispatch.
- c) Transportation extra charges.

BANK DETAILS:

PUNJAB NATIONAL BANK,
 Account No.0298001800000118 of
 M/s. GOYUM TECHNICAL HOLDINGS PVT. LTD.
 LUDHIANA
 with PUNJAB NATIONAL BANK,
 MILLER GANJ, LUDHIANA
 RTGS No: PUNB0029800
 PNB BANK CODE-024

6. INSURANCE AND INSPECTION

To be covered by the buyer / consignee.

7. CHARGES FOR EXPERT / ENGINEER

We shall depute our Expert / Engineer for Supervision of Installation and Commissioning and for providing Training at a charge of **INR 2000 (Rupees Two Thousand Only)** Per Day per Engineer.

Further the client shall provide at NO COST to us the following for our Engineer.

- To and Fro Air Tickets from Ludhiana – Site – Ludhiana.
- Boarding and Lodging facility.
- Medical and Local Conveyances.
- Use of Communications Facilities like Fax, Telephone, Internet, etc.

For Goyum Technical Holdings Pvt. Ltd.

James Daman
 Mg. Director

PART II: PERFORMANCE DETAILS

1. CAPACITY

The equipment will process approx. 1 Ton of Soya per Hour.

2. RAW MATERIALS

Oilseeds entering the mill building is to be of prime quality. Assuming the raw material specifications defined as under:

Oil content (Soya)	18 % - 20 %
Moisture	5 % - 6 % maximum
Impurities content	2 % maximum – but free of stones
Foots Generation	2 - 5 %

3. QUALITY OF THE FINISHED PRODUCTS

Oil Cake with:

Residual oil content (Soya de-oiled cake)	6 % - 6.5 % Approx.
Temperature	70°C - 90°C

REMARKS:

All the above figures apply simultaneously, with the relevant tolerances of +/- 5% to the plant running in normal operating conditions at its guaranteed capacity on a homogeneous lot of material to be treated.

Dry saturated steam, electricity and lubricants being supplied to the plant at constant rate and quality and without interruption. Any over and under consumption of utilities will be offset against each other in Value.

PART III: UTILITY CONSUMPTION

1. ELECTRICITY

Power Requirement (For Quoted Equipment)	250 kW Approx.
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2. MANPOWER (Approx.)

Designation	No. off	Duties
Manager	1	Official Work, Billing, Stock Register, Maintenance etc.
Engineer cum Supervisor	1	To guide semiskilled & unskilled person in Machine fitting during maintenance. To check quality of incoming seed. To Supervise Loading & unloading of Trucks, Cake Bag counting, Cheeking Quality of Extracted Oil per shift, To supervise in Milling Section.
Electrician	1	For all Electrical Maintenance.
Semi - Skilled	1 / 8Hrs. Shift	To check machines are working in perfect condition, starting & stopping of Machine.
Unskilled	1 / 8Hrs. Shift	Miscellaneous Jobs
Unskilled	2 / 8Hrs. Shift	Cake Bagging & Stitching
Unskilled	2 / 8Hrs. Shift	Seed Bag Emptying Section

Manpower required for Loading and Unloading for Cake and Seed resp. is not included in the above list.

PART IV: TECHNICAL SPECIFICATIONS

PREPARATORY SECTION

1. MAGNETIC SEPARATOR

- ❖ Capacity 50 Tones in 24 Hrs.
- ❖ 1HP Motor@1440 RPM @ 30 RPM
- ❖ MOC - SS for Magnetic Drum outer Shell
- ❖ Contact parts – SS
- ❖ Drum RPM: 20
- ❖ Function: It is most useful for separating tramp iron from non-magnetic material processed in bulk quantity.

2. PRE-CLEANING SYSTEM

- ❖ Capacity 50 Tones in 24 Hrs.
- ❖ Comprising of:- 2 Deck Grain Separator IP 1500 with Aspiration Channel, magnet, Fan with Cyclone, Airlock with geared motor & 22 SWG GI ducting for above Grain Separator
- ❖ Function: It is a Vibrating screen unit for separating trash, impurities from the incoming seeds.

3. DE-STONING SYSTEM

- ❖ Capacity 50 Tones in 24 Hrs.
- ❖ Comprising of: - De-stoner with 2 nos. of 0.5 HP vibro motors, Fan with 15 HP motor, Cyclone, Airlock with 1HP geared motor & 22 SWG GI ducting for above De-stoner.
- ❖ Function: To remove stones and heavy particles like Glass, metals etc.

4. SOYA CRACKER MILL

- ❖ Capacity 50 Tones in 24 Hrs.
- ❖ With 4 nos. of Dia. 250 x 1000 mm length rolls, feeder with 0.5 HP geared motor, magnet and 2 nos. of 10 HP motor.
- ❖ Function: To crack the seeds into smaller pieces.

5. GOYUM MK-4 SOYA OIL PRESS

- ❖ With modified Gear Box complete with v-belts, pulley and foundation bolts.
- ❖ It has one chamber of Cast Steel, vertically hinged.
- ❖ Cake thickness can be adjusted on running Machine (during operation).
- ❖ Worm Assembly, discharge ring, sliding ring are all hard faced.
- ❖ Main Worm Shaft can be withdrawn without disturbing the Gear Box.
- ❖ Base and bodies are fabricated from Mild Steel Plates.
- ❖ Gearbox steel grade, Main shaft EN-8

Capacity*	Capacity 1 Ton per Hour
Chamber Size	45 x 7 1/2" x 6 1/2" (Book Type)
Quill Worm and Feed Worm	Case hardened steel. Hardness = 50 RC
Other Worms and Collars	Hard Faced Welded. Hardness = 60 RC
Cage Bars	Case hardened steel. Hardness = 50 RC
Motor	50 HP, 1440 RPM
Life of Worm and Collars	Approx. 3500 Hours of Operation
Life of Cage Bars	Approx. 3500 Hours of Operation
Foundation Bolts	Given

*Capacity differs with material density and quantity of oil in the seed

6. GOYUM HEAVY DUTY SOYA EXTRUDER

- ❖ Complete with all accessories.
- ❖ Inlet chamber-2, compression chamber-3, Nose cap-1.
- ❖ Stainless steel feeder.

Capacity	High capacity 1 Ton per Hour.
Motor	120 HP
Panel	VFD panel
Feeding motor	2 H.P.

7. HAMMER MILL FOR SOYA CAKE

- ❖ Function: It is used to break the oil cake / meal.

8. SOYA MEAL COOLER (Heavy Duty Structure)

- ❖ Horizontal rotating drum type meal cooler. The rotating drum is made from Stainless Steel.

9. FILTER PRESS

Filter Presses are used for all kinds of filtration, clarification of liquids and collection of precipitates or solids. Selected material, skilled labour, proper inspection and supervision ensure carefree operation and long life for these Filters. Small air vessel with pressure gauge and Safety Valve is also given.

Filter Plate	Material : Cast Iron (Type : Recessed)
Size	24" x 24" x 24 Plates
Weight (Kgs)	2,350
Filtration Area [Sq. Mtrs]	10
Capacity* [Litres/Day]	10000
Filter Cloth (Stitched)	Material : Cotton Quantity = 24 Pcs
Taps	Material : Brass Quantity = 24 Pcs
Cloth Nuts	Material : Cast Iron Quantity = 24 Pcs
Spanner for Cloth Nuts	Material : Mild Steel Quantity = 2 Pcs
FILTER PUMP Filter Pump and motor are fitted on same base. It will pump oil from crude oil tank into the filter press.	
Motor Capacity	3 HP
No. of Piston	Single
Size of Piston	60mm diameter
Drive	V – Pulleys and V – Belts = 1 Set, Gear and Pinion = 1 Set

* Capacity differs with the quality of the oil to be filtered.

10. BUCKET ELEVATOR

To form an interconnecting mechanical' handling system to transport material to and from the items of mill equipment. Fabrication of Top Hood, Bottom Boot and Middle Trunks include reinforcement with Angles all over.

Top Hood + Bottom Boot	Mild Steel, 3mm thick
Middle Trunks	Mild Steel, 2mm thick
Chain for Carrying Buckets	Type : Single stranded, Pitch : 75mm
Buckets	Mild Steel, Seamless, 1.5mm Thick Sheet
Driven by Geared Motor	Gearbox: Output = 70 RPM
Driving Chain Pitch	20mm

11. SCREW CONVEYOR

It is used for conveying material, to and from machine to elevator or vice versa. Fabrication of Trough includes reinforcement with Angles.

Trough	Material - Mild Steel, Plate Thickness = 3mm
Screw	Flight Thickness = 4mm, C class Mild Steel pipe.
Hanger	Fitted with Gun Metal bushes
Conveyor Ends	Fitted with Ball Bearings
Driven by Geared Motor	Gearbox: Output = 70 RPM

MISCELLANEOUS SECTION:

12. SPARE PARTS KIT: Worm, Reverse worm, Collar, DEO Ring, Cage bar, spacer box, v- belts and bolts.

13. OIL TRANSFER PUMP

Centrifugal Pump to transfer filtered Oil from Filtered Oil Tank to BULK Storage.

CONTROL PANEL FOR MACHINES OPERATION:

14. ELECTRICAL CONTROL PANEL WITH MIMIC

"Dust vermin proof control panel fabricated from M.S. sheet provided complete with individual component for each motor mentioned in the offer with relays, contactors, fuses, On/Off Switches, Indicators and Hour Counting Meter for Expeller etc.

15. MAKE OF BOUGHT OUT ITEMS

S. NO.	ITEMS	MAKE
1.	PUMPS	KIRLOSKAR
2.	MOTORS	ABB / CROMPTON / BBL
3.	PIPES	M. S. "C" CLASS - JINDAL / EQUIVALENT
4.	VALVES	ZOLOTO / EQUIVALENT
5.	STEAM TRAPS	ZOLOTO / EQUIVALENT
6.	STARTERS, CONTACTORS, RELAYS	SCHNEIDER / LARSEN & TOUBRO
7.	SWITCH FUSES	SCHNEIDER / LARSEN & TOUBRO
8.	V - BELTS	FENNER / PIX
9.	DRIVE CHAIN	ROLCON / EQUIVALENT
10.	ELECTRIC CABLES	HAVELLS / OTHER ISI MARKED
11.	GEAR BOX	GREAVES / ELECON
12.	BEARING	SKF / ZKL / KOYO
13.	PRESSURE GAUGES	NATIONAL / EQUIVALENT

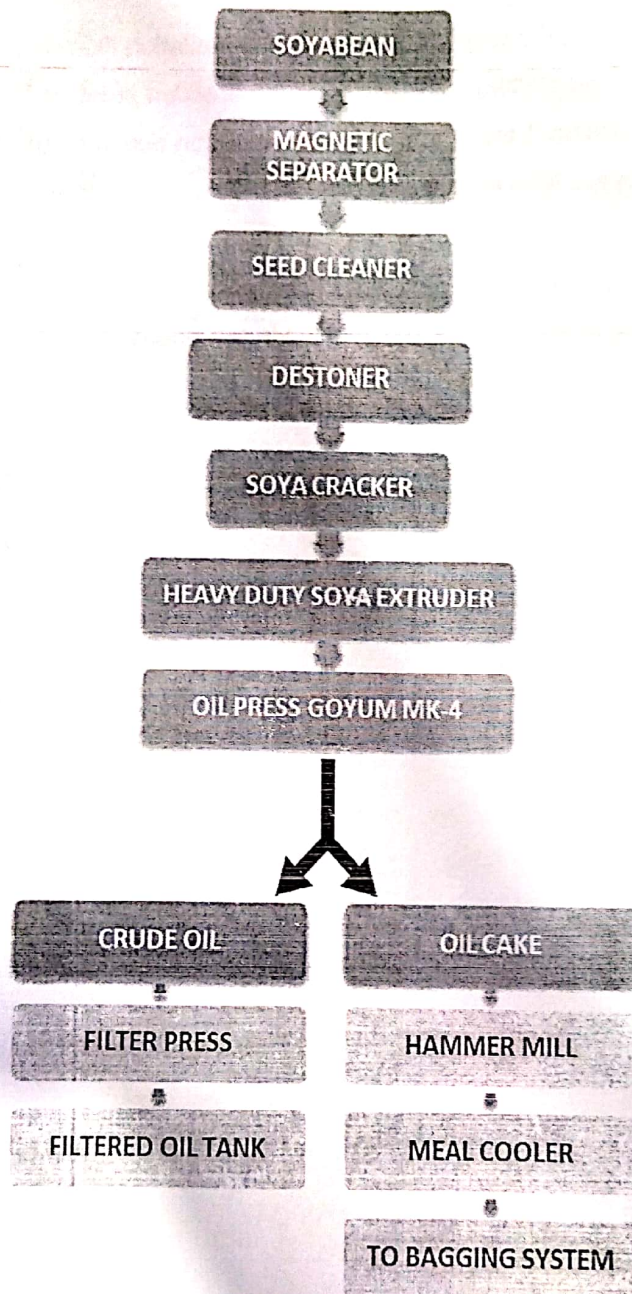
PART V: EXCLUSIONS

(PLEASE READ THOROUGHLY)

- I. All site civil works: excavations, foundations, concrete works, masonry, anchorage, perforation, bedding, etc.
- II. Scaffolding, tools, gas, electricity, etc. required for installation Purpose.
- III. Loading, Unloading and shifting the equipment's to erection points.
- IV. Electric power generation, transformation and distribution outside battery limit.
- V. All Chutes and Hoppers wherever required
- VI. Lab Equipment's.
- VII. Oil Storage Tanks
- VIII. Any other item which is not specified or included in our prices.

PART VI: PROCESS FLOW CHART

1. SOYBEAN



PART VII: CONTACT DETAILS

For any further Clarifications / Information, please feel free to contact us at:



SINCE 1971

GOYUM TECHNICAL HOLDINGS PVT LTD

(Manufacturers and Exporters of Complete Vegetable Oil Extraction Plants, Refinery Plants, Solvent Plants and Biodiesel Oil Extraction Plants)

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THANK YOU