

A Step Towards
Green
Environment
with zero carbon
emission with
patented
process of
Biodiesel
replacement of
Petroleum Diesel

1 31.05.2016 13:54			
CO	0.00	% vol	
HCHC	0	ppm Hex	
CO ₂	0.10	% vol	
O ₂	20.74	% vol	
NO	---	ppm vol	
λ	---	---	°C
Q	0	min ⁻¹	

5-31-2016 13:51

+NOx+			
CO	0.01	% vol	
HCHC	0	ppm Hex	
CO ₂	0.05	% vol	
O ₂	20.28	% vol	
NO	---	ppm vol	
λ	---	---	°C
Q	0	min ⁻¹	



Chetan Sayankar Managing Director /CEO

- Chetan B Sayankar is a spade of ace in the Biodiesel and Biofuels sector. With almost 14 years of extensive contribution as a consultant, he has engineered and commissioned over 15 + medium and large scale manufacturing plants for biodiesel, first & second generation ethanol, metering skids, and gas recovery.
- Chetan holds a diploma and bachelor's degree in Chemical Technology. He has widespread experience in Process engineering research, Business development and Management. He holds a patent for Selective enzyme based process for biodiesel manufacturing and has published several research articles in international journals and conferences.
- Having a passion for cleaner planet and for the people who wish to contribute to it, Chetan has a wide-spread network with professionals across the globe. To Keeping this dream in mind he started S- Cube Mass Transfer Pvt Ltd.



VISION

To become a leading single point solution provider with the greatest value and developed strategies to exceed the expectations of our partners and clients by keeping quality and ethical dealing as priority.

MISSION

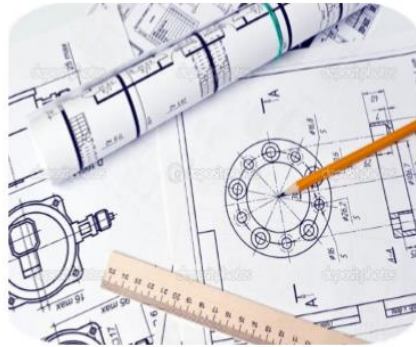
To develop & deliver cost effective reliable solutions with quick adaptability and customer centric approach through a standardized process and innovative thinking which would lead to achievement of common goal in an eco – friendly way.

VALUES

To consistently explore the new horizons of the science and technology by preserving philanthropic cultural, social and environmental morals



Core Competencies



ENGINEERING

- **Process**
- **Mechanical**
- **Piping**
- **Civil**
- **Electrical**
- **Instrumentation**



EPC

- **Molecular Seal**
- **Biodiesel Column**
- **Feed - Heat Exchanger**
- **Cooler – Heat Exchanger**
- **Reflux Drum**



SKILL DEVELOPMENT

- **IT sector**
- **Finance**
- **Oil & Gas**
- **Biodiesel Industries**
- **Infrastructure**
- **Petrochemical**

S-CUBE Mass Transfer Pvt Ltd . Registration Documents.


GOVERNMENT OF INDIA
MINISTRY OF CORPORATE AFFAIRS
Central Registration Centre

Certificate of Incorporation

[Pursuant to sub-section (2) of section 7 of the Companies Act, 2013 (18 of 2013) and rule 18 of the Companies (Incorporation) Rules, 2014]

I hereby certify that S-CUBE MASS TRANSFER PRIVATE LIMITED is incorporated on this Eleventh day of July Two thousand nineteen under the Companies Act, 2013 (18 of 2013) and that the company is limited by shares.

The Corporate Identity Number of the company is U29100PN2019PTC185385.

The Permanent Account Number (PAN) of the company is **ABCCS3444G** '9@

The Tax Deduction and Collection Account Number (TAN) of the company is **PNES64213C** '9@

Given under my hand at Manesar this Eleventh day of July Two thousand nineteen.

[Signature]
Digital Signature Certificate
PM MORIAN
ASST. REGISTRAR OF COMPANIES
For and on behalf of the Jurisdictional Registrar of Companies
Registrar of Companies
Central Registration Centre

Disclaimer: This certificate only evidences incorporation of the company on the basis of documents and declarations of the applicant(s). This certificate is neither a license nor permission to conduct business or solicit deposits or funds from public. Permission of sector regulator is necessary wherever required. Registration status and other details of the company can be verified on www.mca.gov.in

Mailing Address as per record available in Registrar of Companies office:
S-CUBE MASS TRANSFER PRIVATE LIMITED
Flat No. A-502, S. No. 127/2A/1, Eisha Erica, Near DSK Vishwa, PUNE,
Pune, Maharashtra, India, 411041

Company Master Data


CIN	U29100PN2019PTC185385
Company Name	S-CUBE MASS TRANSFER PRIVATE LIMITED
ROC Code	ROC-Pune
Registration Number	185385
Company Category	Company limited by Shares
Company SubCategory	Non-govt company
Class of Company	Private
Authorised Capital(Rs)	100000
Paid up Capital(Rs)	100000
Number of Members/Applicable in case of company without Share Capital)	0
Date of Incorporation	11/07/2019
Registered Address	Flat No. A-502, S. No. 127/2A/1 Eisha Erica, Near DSK Vishwa PUNE Pune MH 411041 IN
Address other than R/o where all or any books of account and papers are maintained	-
Email Id	chetansay@gmail.com
Whether Listed or not	Unlisted
ACTIVE compliance	-
Suspended at stock exchange	-
Date of last AGM	-
Date of Balance Sheet	-
Company Status(for efilling)	Active

Charges

Assets under charge	Charge Amount	Date of Creation	Date of Modification	Status
No Charges Exists for Company/LLP				

Directors/Signatory Details

DIN/PAN	Name	Begin date	End date	Surrendered DIN
08507298	CHETAN BHURAIO SAYANKAR	11/07/2019	-	-
08538556	PALLAVI CHETAN SAYANKAR	17/08/2019	-	-


भारत सरकार
Government Of India
संघीय वाणिज्य और उद्योग विभाग
MINISTRY OF COMMERCE AND INDUSTRY
Office of Jt. Director General of Foreign Trade
संयुक्त बाह्यविदेशिक विदेश व्यापार का कार्यालय
C Block, BMT Commercial Pune-411042
अवधूतक-विदेशीय वाणिज्य कार्यालय पुणे
CERTIFICATE OF IMPORTER-EXPORTER CODE (IEC)
(This is computer generated certificate. The authenticity of this document may be verified by clicking on 'view Your IEC' link on the web site of DGFT i.e. <http://dgft.gov.in>)

1. नाम/User Name S-CUBE MASS TRANSFER PRIVATE LIMITED

2. पता/Address Flat No. A-502, S. No. 127/2A/1, Eisha Erica, Near DSK Vishwa PUNE PUNE MAHARASHTRA-411041

3. उस धारक का नाम, पदनाम/Name and Designation of the signatory applicant Chetan Bhaurao Sayankar DIRECTOR

4. शाखा/दुकान का पता/शे तो/Address of the Branch/Div./Unit if any Nil

5. आईईसी संख्या/IEC Number ABCCS3444G

6. जारी करने की तारीख/Date of Issue 03.08.2019


7. सुगई खाता सं.(पैन)/PAN ABCCS3444G

स्थान /Place: PUNE

तारीख /Date : 07.08.2019

System generated IEC certificate

(Issued From File No. / (31/04/131/50902/AM20/) तारीख से जारी dated 05.08.2019)
टिप्पणी/NOTE: 1. यह आईईसी पैन के आधार पर जारी होता है। / This IEC is issued on the basis of PAN.


Government of India
Form GST REG-06
(See Rule 10(1))

Registration Certificate

Registration Number : 27ABCCS3444G1ZE

1. Legal Name	S-CUBE MASS TRANSFER PRIVATE LIMITED			
2. Trade Name, if any	S-CUBE MASS TRANSFER PRIVATE LIMITED			
3. Constitution of Business	Private Limited Company			
4. Address of Principal Place of Business	Flat No. A-502 S. No. 127/2A/1, Eisha Erica, Near DSK Vishwa, Wadgaon Dhayari, Pune, Maharashtra, 411041			
5. Date of Liability				
6. Period of Validity	From	18/07/2019	To	Not Applicable
7. Type of Registration	Regular			
8. Particulars of Approving Authority	Maharashtra			
Signature				
Name	Ravindra Bodke			
Designation	STATE TAX OFFICER			
Jurisdictional Office	PUNE-2			
9. Date of issue of Certificate	18/07/2019			

Note: The registration certificate is required to be prominently displayed at all places of business in the State.

This is a system generated digitally signed Registration Certificate issued based on the approval of application granted on 18/07/2019 by the jurisdictional authority.

9302019 <https://udygadhaar.gov.in/UAPrintApplication.aspx>

Udyog Aadhaar

B

Type of Enterprise	Micro	Small	Medium
Manufacturing	A	B	C
Services	D	E	F
UAM No.	MH26B0174351		

Udyog Aadhaar Memorandum

1. Aadhaar Number

2. PAN Number ABCCS3444G

3. Name of Entrepreneur CHETAN BHURAIO SAYANKAR

4. Social Category of Entrepreneur GENERAL

5. Gender Male

6. Physically Handicapped No

7. Name of Enterprise S-CUBE MASS TRANSFER PRIVATE LIMITED

8. Type of Organization Private Limited Company

9. Location of Plant Details

SN	Flat/Door/Block No.	Name of Premises/Building Village	Road/Street/ Lane	Area/Locality	City	Pin	State	District
1	FLAT NO A-502	EISHA ERICA	NEAR DSK VISHWA PUNE	PUNE	PUNE	411041	MAHARASHTRA	PUNE

Official Address of Enterprise

FLAT NO A-502, S. No. 127/2A/1, EISHA ERICA, NEAR DSK VISHWA PUNE

District PUNE State MAHARASHTRA PIN 411041

Mobile No: 9960400912 Email: CAWKASIN@GMAIL.COM

10. Date of commencement 11/07/2019

12. Previous Registration details if any :-

Bank Details

IFSC Code INDB0001038

Bank Account 201003559391

13. Major Activity MANUFACTURING

SN	NIC 2 Digit	NIC 4 Digit	NIC 5 Digit Code	Activity Type
1	27 - Manufacture of electrical equipment	2790 - Manufacture of other electrical equipment	27900 - Manufacture of other electrical equipment	Manufacturing
2	28 - Manufacture of machinery and equipment n.e.c.	2829 - Manufacture of other special-purpose machinery	28299 - Manufacture of other special-purpose machinery n.e.c.	Manufacturing

17. Persons employed 10

18. Investment (Plant & Machinery / Equipment's) 40(Rs. In Lakhs)

19. District Industry Centre PUNE

Declaration


I hereby declare that information given above is true to the best of my knowledge. Any information, that may be required to be verified, shall be provided immediately before the concerned authority.

My/Our Mobile App (Beta Version) is available now for download: <https://play.google.com/store/apps/details?id=com.mca.mysmg>

[PRINT]

Click here for Udyog Aadhaar Registration Certificate

Recognition From USA and Indian Government

 **FDA U.S. FOOD & DRUG**
ADMINISTRATION
CENTER FOR FOOD SAFETY & APPLIED NUTRITION

CERTIFICATE TO A FOREIGN GOVERNMENT: FOOD FOR HUMAN CONSUMPTION

CERTIFICATE OF FREE SALE

Certificate Number: 8TMW-F797	Country of Export: United States of America	Country of Destination: India	Expiration Date: January 05, 2022
---	---	---	---

Manufacturer/Processor Name and Address
Advance International, Inc.
174 Lawrence Dr Ste J
Livermore, California 94551 United States


Product Information:
1. APP - A PERFECT PROTEIN
Schedule BHTS: 21061000
Product Description: Highly concentrated fish protein powder derived exclusively from Pacific Whiting
Total Number of Products: 1

Scientific or Chemical Name: Fish Protein Concentrate
Lot Number: 191115-A

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U.S. Food and Drug Administration
5001 Campus Drive
College Park, MD 20740
www.fda.gov

Page 1 of 2

 **FDA U.S. FOOD & DRUG**
ADMINISTRATION
CENTER FOR FOOD SAFETY & APPLIED NUTRITION


Certificate Number: 8TMW-F797	Country of Export: United States of America	Country of Destination: India	Expiration Date: January 05, 2022
---	---	---	---

Additional Information as Required:


Consignee/Importer Name and Address:
S-CUBE MASS TRANSFER PRIVATE LIMITED
FLAT NO. A-502, S. NO. 127/2A/1, EISHA ERICA, NEAR DSK VISHWA
Pune, Maharashtra 411041 India

Consignee/Importer FSSAI License Number: 10019022010384

Attestation:
The product(s) described above and the manufacturing/processing facility where it is produced are subject to the jurisdiction of the Food and Drug Administration under the Federal Food, Drug, and Cosmetic Act. It is certified that the above product(s) may be marketed in, and legally exported from, the United States of America at this time. The manufacturing/processing facility in which the product(s) is produced is subject to periodic inspections. The last such inspection showed that the facility, at that time, appeared to be in substantial compliance with U.S. requirements for the product(s) listed above.


Signature:

Julie Moss, PhD, RD
Acting Director, International Affairs Staff
Center for Food Safety and Applied Nutrition


Date: January 06, 2020



U.S. Food and Drug Administration
5001 Campus Drive
College Park, MD 20740
www.fda.gov

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 **INTELLECTUAL**
PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

 **GOVERNMENT OF INDIA**

Controller General of Patents, Designs and Trademarks
Department of Industrial Policy and Promotion
Ministry of Commerce and Industry

Application Details

APPLICATION NUMBER	201621030302
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	05/09/2016
APPLICANT NAME	Chetan Bhaurao Sayankar
TITLE OF INVENTION	PROCESS FOR THE PREPARATION OF BIODIESEL USING LIQUID LIPASE ENZYME
FIELD OF INVENTION	BIO-CHEMISTRY
E-MAIL (As Per Record)	intellexempire@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	21/01/2017
PUBLICATION DATE (U/S 11A)	09/03/2018
FIRST EXAMINATION REPORT DATE	11/10/2019
REPLY TO FER DATE	29/11/2019

Application Status

APPLICATION STATUS	Application in Amended stage
--------------------	------------------------------

S-Cube Mass transfer Pvt. Ltd Products

STRUCTURED PACKING
COLUMN INTERNALS
RANDOM PACKINGS
STATIC MIXERS
VANE TYPE MIST ELIMINATORS
VANE TYPE INLET DEVICE



Multibeam Support



Packing Support



Liquid Collector



Liquid Distributor



Structured Packing



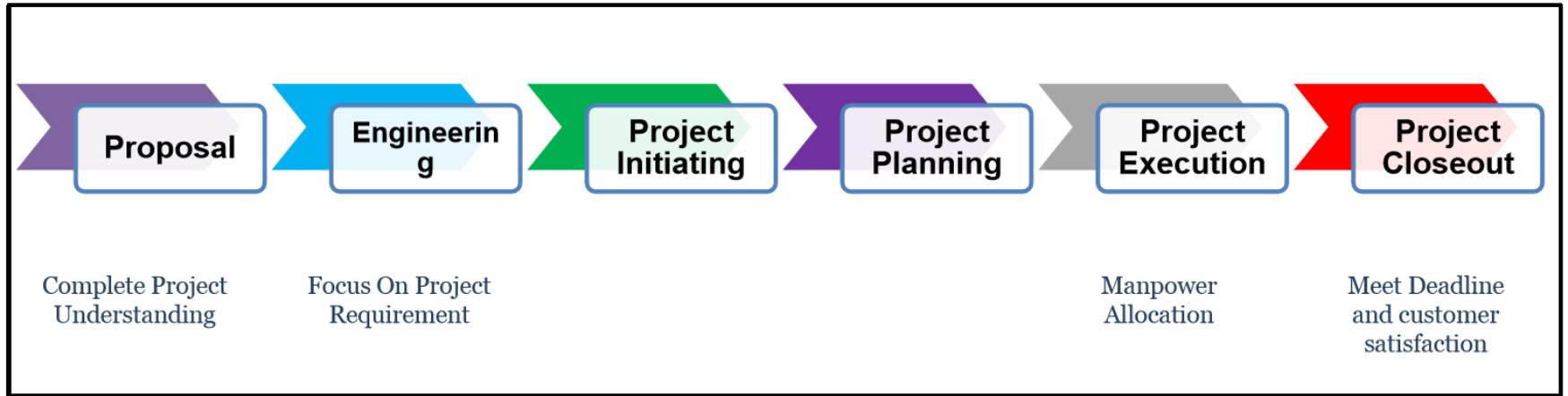
Wire Mesh Structured Packing



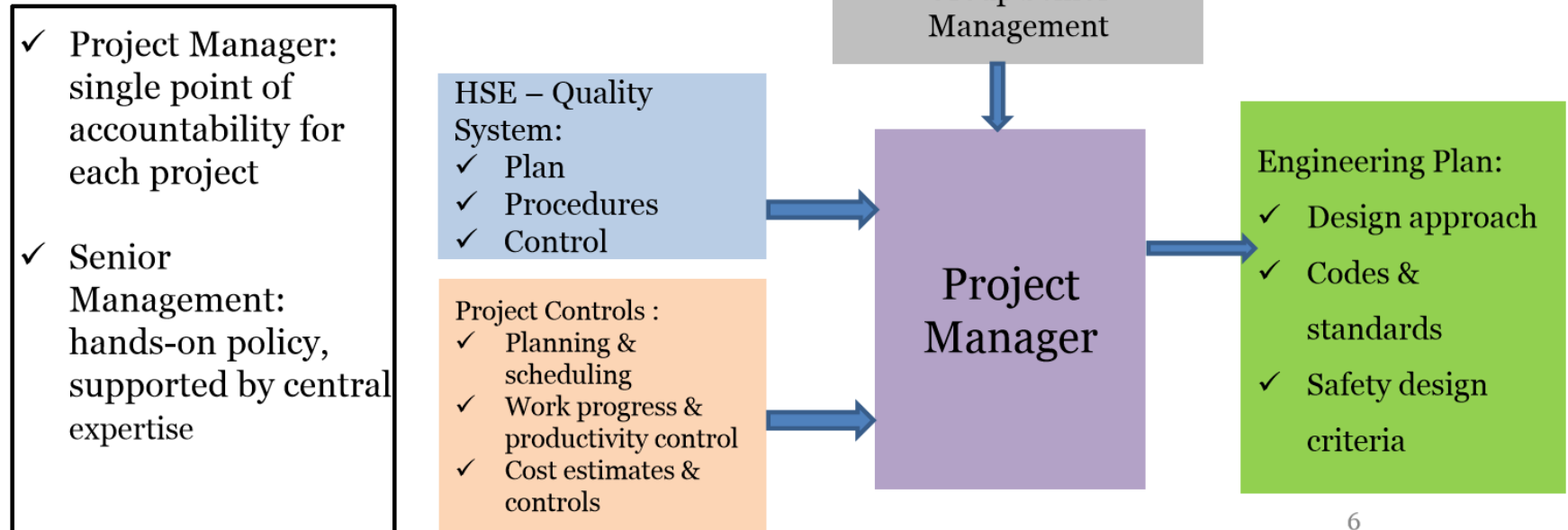
We Serve...



Project Implementation Process



Control of Project Execution

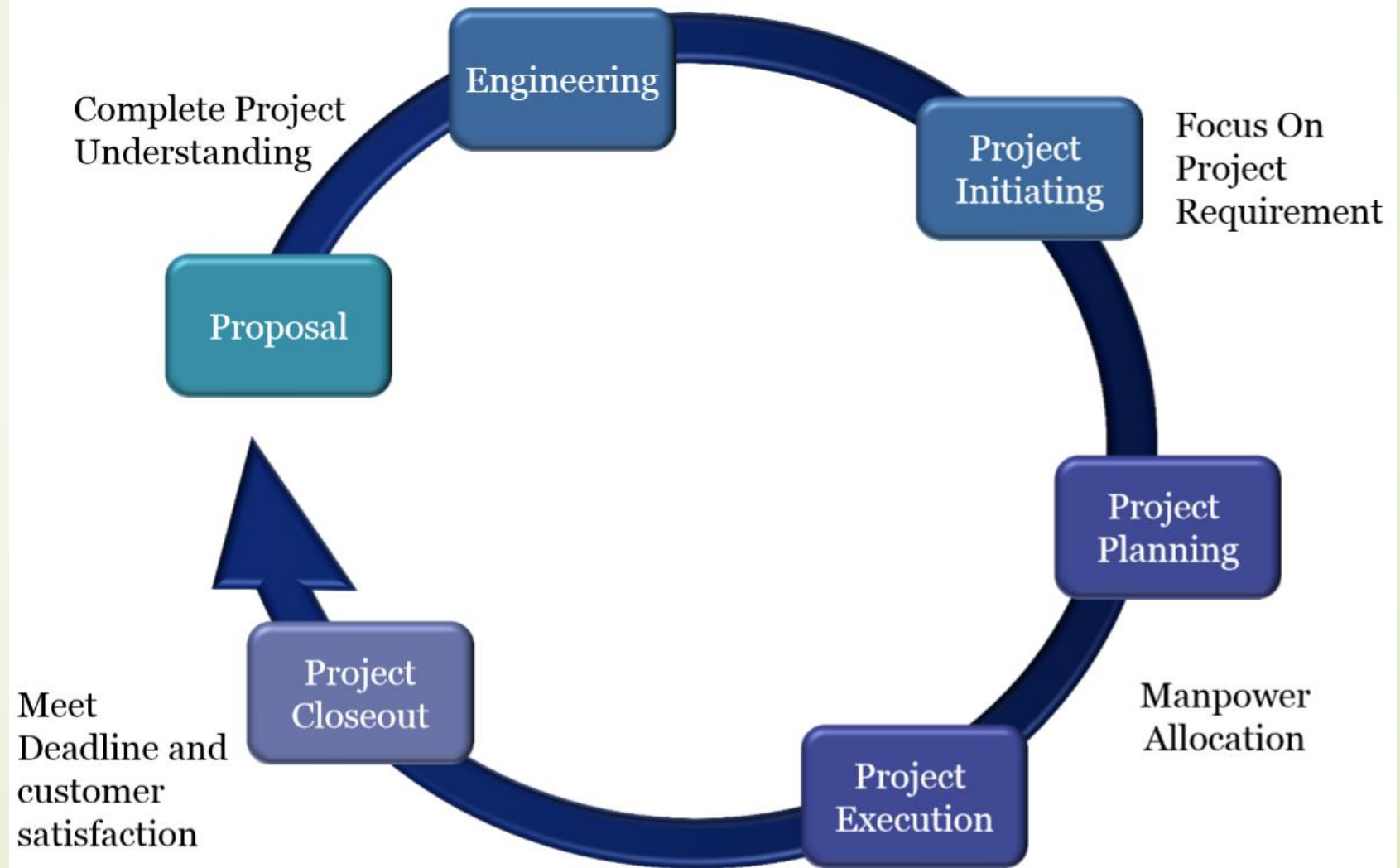


What is Turn Key ?

A type of project that is constructed so that it can be sold to any buyer as a complete product

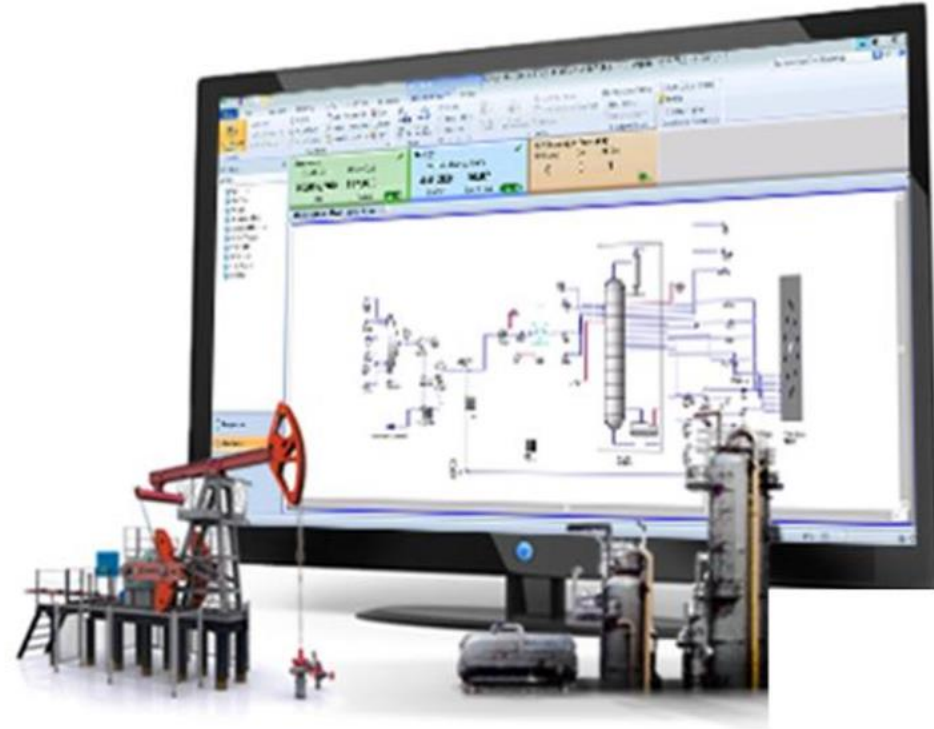


Turn-key Execution



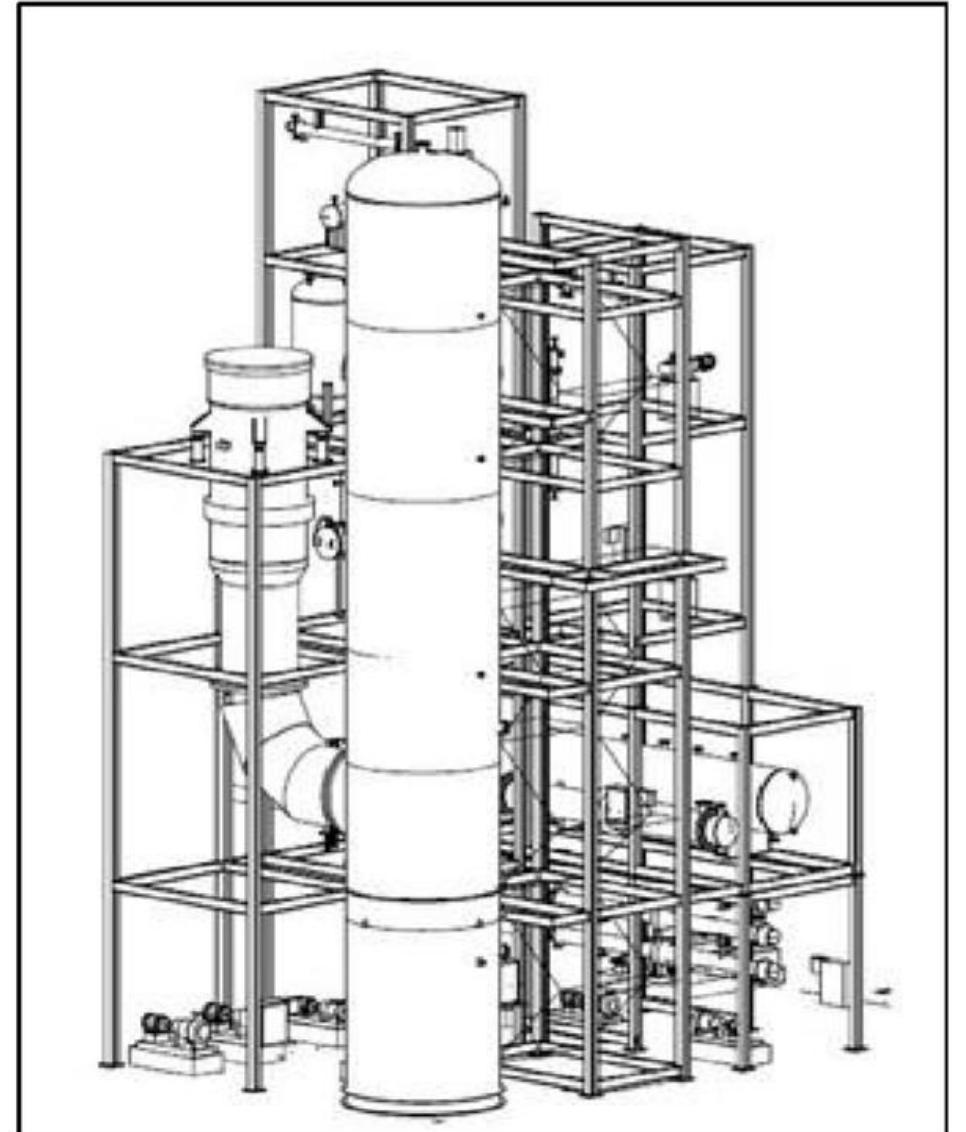
Process

- Preparation Of Block Diagrams & PFDs
- Calculation of Material & Energy Balance
- Preparation of P&IDs
- Equipment List
- Equipment Data Sheets
- Instrument list
- Instrument Data Sheets
- Line list
- Tie-in List



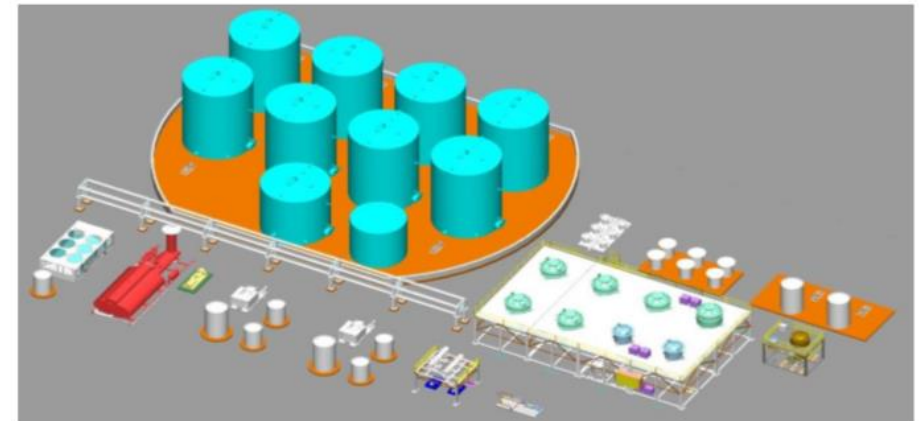
Mechanical

- Static Equipment
- Rotating Equipment
- Package Equipment
- Material Design Basis
- Equipment Fabrication Drawing
- RFQ for Equipment
- Material Standards
- Painting & Insulation Specification
- Quality Checking Protocol & Erection



Piping

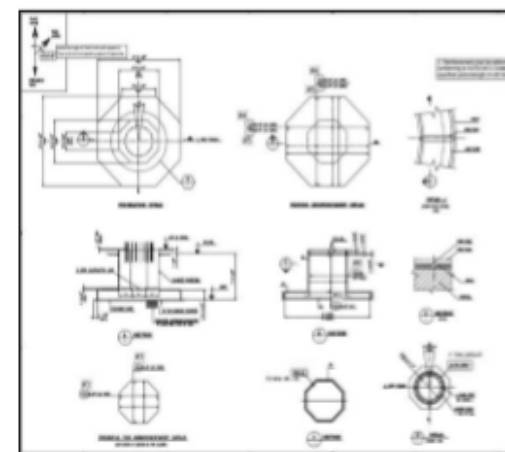
- Piping 3D Modelling
- Developing Plot Plan
- Pipe Routing and Layout
- Pipe Sizing
- Isometrics
- Pipe Stress Analysis
- Pipe Support Design
- Piping MTO



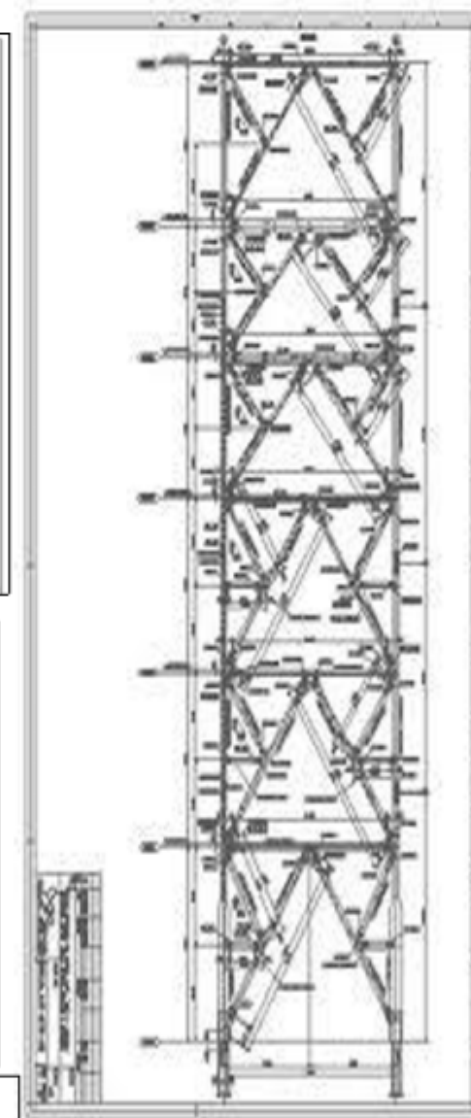
3D MODEL OF 5MMGPY PLANT FOR BIODIESEL

Civil

- Dimensional Catalogue for all Structure Member
- Concrete Details
- Structural Drawing Detailed Format
- Structural Load Details
- Foundation Drawing Format - RCC
- Primary Support Detailing
- Pipe Rack Design
- Tank Farm Design Format
- Platform & Ladder Detail Drawings

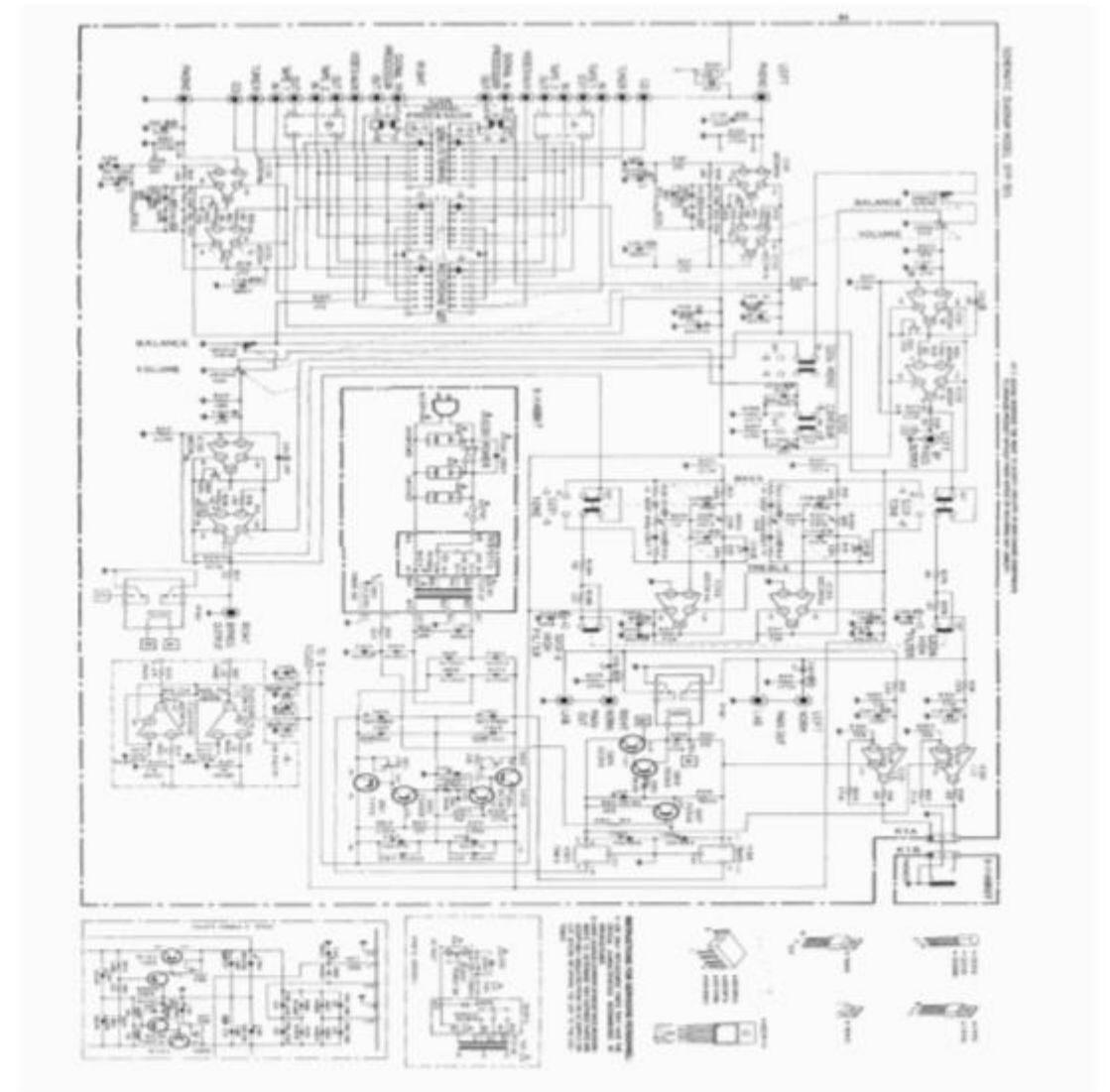
[illegible]

Foundation Drawing of SRXC Column



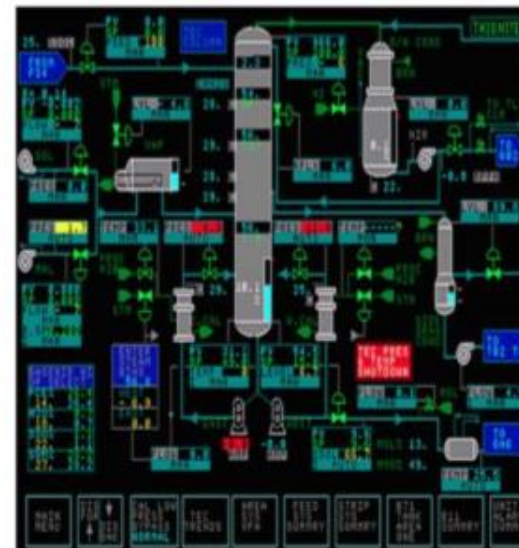
Electrical

- Lighting Layout
- Single Line Diagram
- Detailed Electrical Load List
- Earthing Details & Layout
- Cable Tray Calculation
- Cable Schedule
- Junction Box Drawing & Schedule
- Cable and Cable Tray Layout



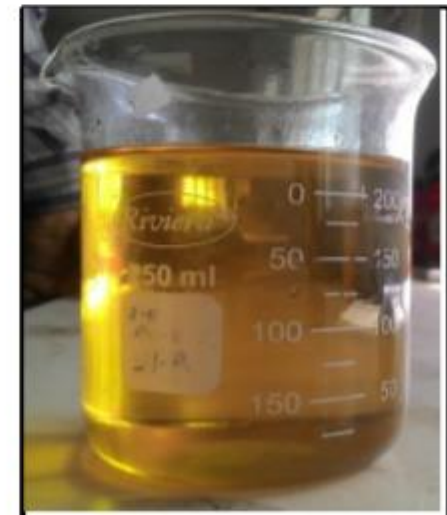
Instrumentation

- HMI Screen Development
- HMI Symbol
- Instrument mounting philosophy
- Ladder Logics
- Detailed Control & Logic details
- Preventive Maintenance & HMI Live Screens
- I/O list
- Testing & Commissioning
- Activity Documents



What is Biodiesel ?

- Made by chemically combining any natural oil or fat with an alcohol
- Most of the oils, edible & non-edible are suitable





DELHI'S AIR QUALITY DETERIORATES TO 'HAZARDOUS'



Air Quality Index

0-50 Good 51-100 Satisfactory 101-200 Moderate
 201-300 Poor 301-400 Very Poor 401-500 Severe

Days	Delhi	Kolkata	Mumbai	Hyderabad
28 Oct	368	160	104	106
29 Oct	400	219	112	92
30 Oct	419	205	89	93
31 Oct	430	244	76	57
1 Nov	484	231	66	52

Source: National Air Quality Index

U.S. BIODIESEL MARKETPLACE



8.2 BILLION
GALLONS OF
BIODIESEL USED



REDUCED
BY 75.5 MILLION
METRIC TONS



**ANNUAL GREENHOUSE
GAS EMISSIONS OF**

15.9
MILLION

OR

PLANTING
1.9
BILLION

OR

PRESERVING
61.9
MILLION
ACRES



CARS



TREES



MATURE
FORESTS

78%
LESS

**LIFECYCLE GREENHOUSE GAS
THAN PETROLEUM DIESEL**



Since 2004, 8.2 billion gallons of biodiesel has replaced petroleum diesel to cut 75.5 million metric tons of carbon pollution. That's the equivalent of removing 15.9 million cars from American roadways OR planting 1.9 carbon-absorbing trees OR preserving 61.9 million acres of mature forests.

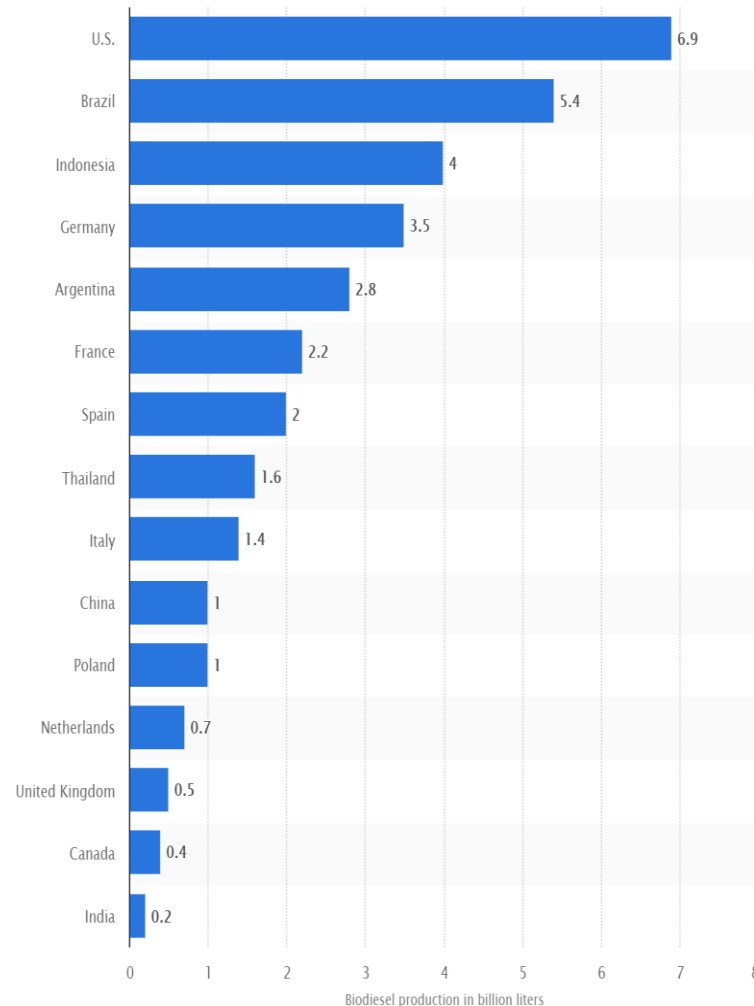
SR. No.	COMPANY NAME	BIODIESEL PLANT LOCATION	YEAR of establishment	Capacity TPD	Feedstock			
					Animal Fat	PFAD	RBD Palm Stearin	UCO
1	Kaleesuwari Refinery Private Limited	Andhra Pradesh	2008	300	N	Y	Y	Y
2	Bio Max	Andhra Pradesh	2009	450	N	Y	Y	Y
3	Emami Biotech Pvt Ltd	West Bengal	2009	300	N	Y	Y	Y
4	Universal Biofuels	Andhra Pradesh	2008	300	Y	Y	Y	Y
5	Khanda Biofuels Pvt Ltd	Hyderabad	2011	30	Y	N	Y	Y
6	Yantra Fintech Ltd	Chennai	2009	50	N	Y	Y	Y
7	Yamuna Bio Industries Ltd	Varoda	2015	100	N	Y	Y	Y
8	Unicon Fibro Chem Ltd	Silvassa	2015	50	N	Y	Y	Y
9	Rajputana Biofuels Ltd	Jaipur	2018	30	Y	N	Y	Y
10	Kotiar Biofuels Ltd	Abu Road, rajashtan	2019	500	N	N	Y	Y
11	Wash well	Bhilwara	2015	30	Y	Y	Y	Y
12	Kissan Agro Industries Ltd	Noida	2012	100	Y	Y	Y	Y
13	Monopoly Industries Ltd	Khopoli	2018	50	N	N	Y	Y
14	Green Fuels Pvt. Ltd	Bangalore	2012	10	N	N	Y	Y
15	BioD Industries Ltd	Bawal, Haryana	2019	100	Y	Y	Y	Y
16	Global	Panvel	2015	10	Y	Y	Y	Y
17	Al Noor	Muzaffarnagar	2015	10	Y	Y	Y	Y
18	Elite Oil Ltd	Kakinada	2018	50	Y	Y	Y	Y
19	Southern Biotech Ltd	Andhra Pradesh	2007	200	Y	Y	Y	Y
20	Southern Biotech Ltd	Andhra Pradesh	2010	30	Y	Y	Y	Y
21	Nova Biofuels P Ltd	Haryana	2008	30	Y	Y	Y	Y
22	Costal Energy	West Bengal	2008	100	N	Y	Y	Y
23	Plentifuel Ind. Pvt Ltd	Gujarat	2019	10	N	Y	Y	Y
24	others		2018	150				
	Pilot Plants/under Erection			2,990.00				
25	Indian Railways	West Bengal, Tamil Nadu, Raipur		50				
26	CREDA, CG Govt	Raipur	2008	3				
27	RIL(pilot plant)	Andhra Pradesh	2009	10				
28	Ruchi(Pilot Plant)	Gujarat	2012	10				
29	Munzer Bharat	New Mumbai	2019	10				
30	Kaleesuwari Refinery Private Limited	Tamil Nadu	2020	650				
31	Others	Across the Country	2021	500				
				1,233.00				

Biodiesel procurement by the Oil Companies is as follows

Year	Biodiesel Procured by OMCs (Cr Litre)
2015-2016	1.19
2016-2017	3.59
2017-2018	4.36
2018-2019 (upto July 18)*	3.72

* POs have been placed for supply of 8.14 Crore litre of Biodiesel by OMCs

Leading biodiesel producers worldwide in 2018, by country (in billion liters)



DOWNLOAD

SETTINGS

SHARE



PDF



XLS



PNG



PPT

DESCRIPTION

SOURCE

MORE INFORMATION

by [T. Wang](#),

last edited Nov 26, 2019

This graph shows the world's biggest biodiesel producing countries according to their production volume in 2018. With a production volume of around 2.8 billion liters, Argentina was ranked fifth that year.

Biodiesel in the United States

Biodiesel is generally composed of a chemically reacting lipid, such as a vegetable oil or an animal fat, and an alcohol that produces fatty acid esters. It is meant to be used in normal diesel engines and can be used alone or as a blend with petrodiesel. Some blends of biodiesel can also be used for heating purposes. Using biodiesel can reduce emissions of carbon monoxide, particulates, hydrocarbons, and sulfates. If the fuel is blended, its emissions' reduction depends on the blend's composition. Biodiesel is also able to degrade at a much faster rate than normal diesel fuel.

1) The total diesel market in India is approximately 25 billion gallons per year with 80% imported, of which less than 250 million gallons per year of biodiesel is currently blended. The 2018 National Biofuels Policy stated a plan to increase Biodiesel blending to 5% of the diesel market, equal to more than 1.2 billion gallons per year.

2) Annually, about 23-million-ton cooking oil is consumed in India. There is potential to recover and use about 3 million tones of this for production of bio-diesel

Biodiesel Projects in Progress

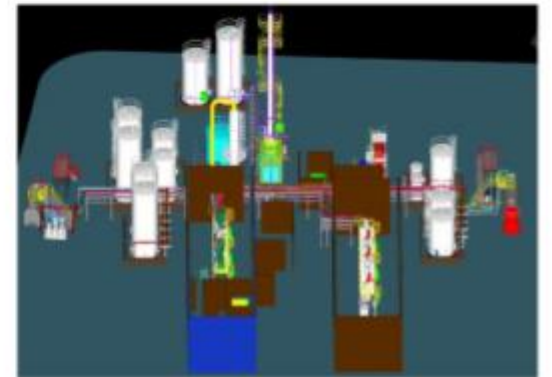
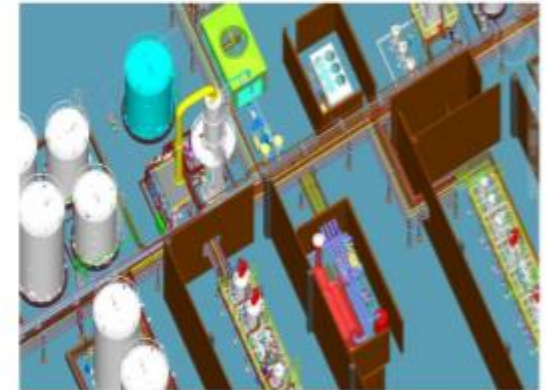
Conventional plants in
India



Cavitation technology based
plants in USA



Enzyme based plant in
Portugal



Single cylinder Diesel Engine Test Set up

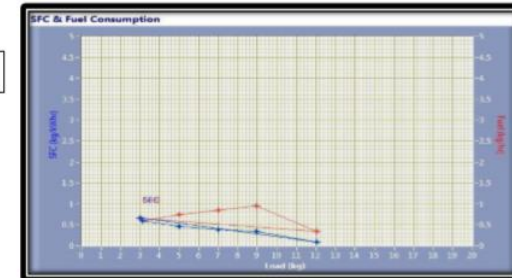
Engine Details :

IC Engine set up under test is Kirloskar TV1	
Parameter	Specification
Engine type	Four stroke , Constant Speed, Water Cooled, Diesel Engine
Valves per cylinder	Single Cylinder
Bore × Stroke	87.5 × 110 (mm)
Displacement	Length 110.00 (mm)
Compression ratio	17.5
Power	5.20 kW @ 1500 rpm
Torque	23.39 Nm @ 1506 rpm
Fuel Injection system	High Pressure Common Rail



Observation Hemp Biodiesel (B20)

SFC & Fuel Consumption vs Load



TORQUE, Mech % , Vol % vs Load



Components of Setup



Gas Emission Analyzer readings



Biodiesel Technology

Continuous Flow High FFA
Conversion Processor

Continuous Flow Biodiesel Nano
Reactor / Enzyme

High Purity Methanol Purification

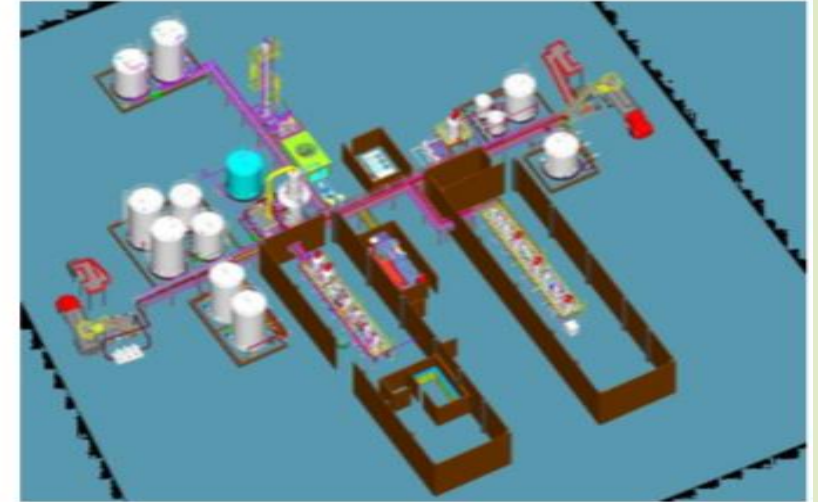
Dry Washing (Biodiesel)

Glycerin Purification

Biodiesel Distillation

Modular Skid Components

(DCS) Plant Control System



3D MODEL OF DYCGR PROJECT

Commissioned Biodiesel Projects



Clinton County Bio Energy, USA



Global Alternatives Fuels, USA



Biodiesel OF Las Vegas (BDLV), USA



Menlo, Florida, USA

Biodiesel Plant Equipments



India's Initiative



भारत का राजपत्र
The Gazette of India

EXTRAORDINARY
PART II—Section 3—Sub-section (i)
PUBLISHED BY AUTHORITY

New Delhi, the 26th November, 2017

G.O. NO. 1001.—The draft of certain rules for the Central Motor Vehicle Rules, 1989, which the Central Government proposes to make in exercise of the powers conferred by section 114 of the Motor Vehicle Act, 1988 (39 of 1988), is hereby published as required by sub-section (1) of section 114 of the said Act for the information of all persons likely to be affected thereby and notice is hereby given that the said draft will be taken into consideration after the expiry of thirty days from the date on which the copies of this notification as published in the Official Gazette, are made available to the public.

Objections or suggestions, if any, may be sent to the Joint Secretary (Transport), Ministry of Road Transport and Highways, Transport House, Naraina Road, New Delhi-110028.

The objections or suggestions which may be received from any person in respect of the said draft rules before the expiry of the aforesaid period will be considered by the Central Government.

Draft Rules:

(i) These rules may be called the Central Motor Vehicle (Miscellaneous Amendment) Rules, 2017.

(ii) In the Central Motor Vehicle Rules, 1989 (hereinafter referred to as the principal rules) after rule 115C, the following rule shall be inserted, namely:—

“115D. When certain standards for bio-diesel (BIO-D) :— (1) The newly manufactured vehicles fitted with compression ignition engine compatible to run on diesel or mixture of bio-diesel up to hundred per cent bio-diesel (BIO-D) (hereinafter referred to as bio-fuel bio-diesel vehicles) shall be type approved as per prescribed diesel engine norms.

(2) The compatibility of vehicle to run of bio-diesel fuel or BIO-D shall be specified by the vehicle manufacturer and the same shall be displayed on vehicle by putting a clearly visible sticker.

(3) The type approvals for the type approval and extension for different classes of vehicles are specified in Table 1, Table 2 and Table 3 below, respectively.

Table 1
Type approvals for type approval and extension
for four wheeled vehicles with Gross Vehicle Weight less than or equal to 3,500 kilograms

Serial number	Type	Four wheel bio-diesel vehicle
1.	General purpose vehicle (type 1 test)	On both diesel and BIO-D fuel
2.	Free acceleration vehicle (type 10 Test)	On both diesel and BIO-D fuel
3.	Overdrive (Type VI) of vehicle for removal of fuel Distribution Factor (DF)	On bio-diesel fuel
4.	On-board Diagnostic (OBD II)	On both diesel and BIO-D fuel

Methanol Plant



S- Cube Executed Projects Overseas Shipment



Overseas Project Team



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