

COMPANY PROFILE

INDIA - ZAMBIA - KENYA

Since 2013

*Pioneers in Sustainable Waste to Energy
Machine Technology*



ABOUT US

Sakthi Veera Green Energy Pvt. Limited now bannered under Veera Group are pioneers in manufacturing waste to energy sustainable machineries. Since 2013 we have successfully served over 45+ countries and provided access to the most simple, sustainable, easy to use and most affordable machine technology to produce energy from any form of waste. Being an ISO 9001-2015; 14001-2015 and CE certified organization, our main range of machines are waste oil to diesel distillation, biomass gasification, plastic pyrolysis and energy saving cooking machines.

Veera Group has locations in both India and Africa and aim to keep expanding our network to help create the most sustainable energy economy.





OUR VISION

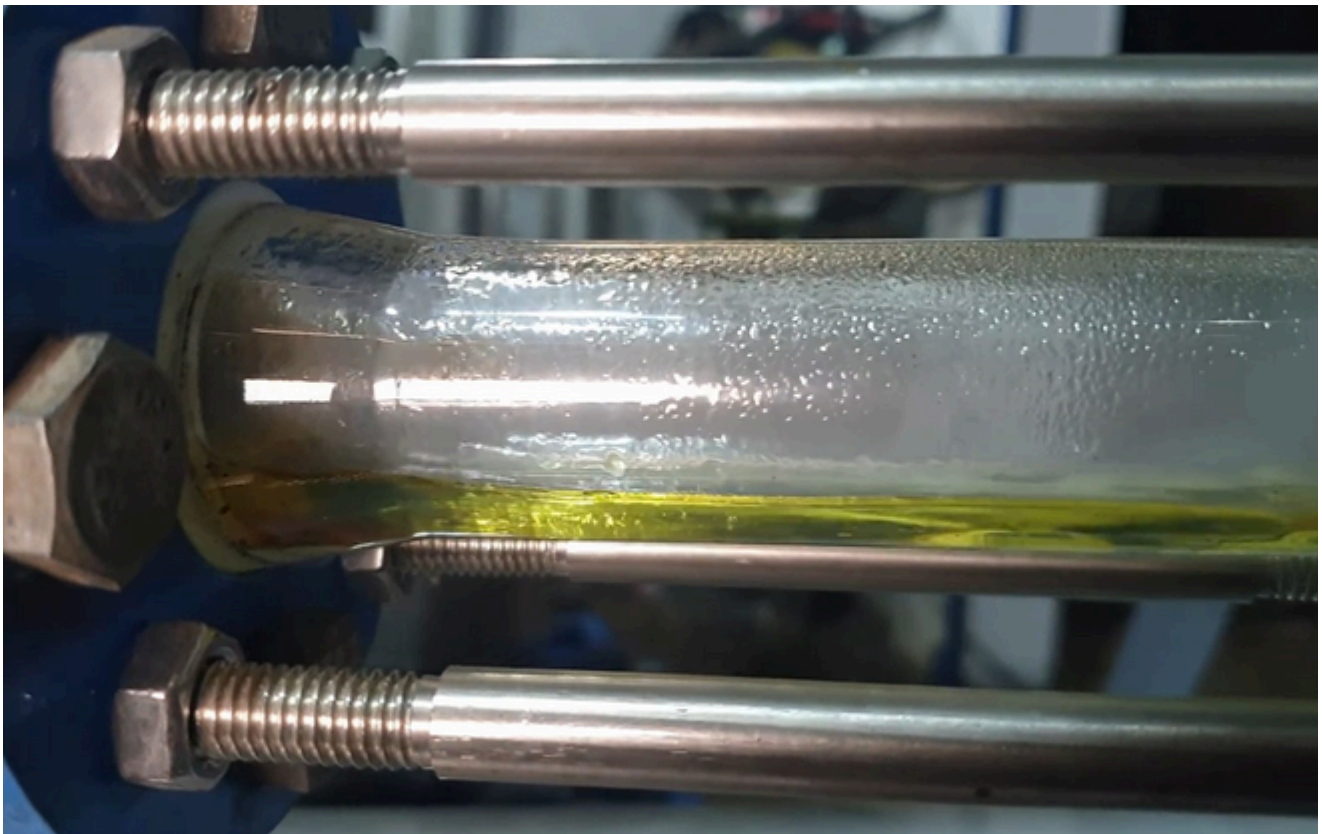
To continually create technologies that create entrepreneurs with no compromise on simplicity, affordability, sustainability and viability



OUR MISSION

To forefront decentralized small-scale sustainable machine technologies for energy generation from any and all forms of wastes





WASTE OIL TO DIESEL DISTILLATION MACHINES

Under Veera Biopower and Veera PowerAfrica brands we manufacture and export a wide range of waste oil to diesel machines worldwide. Be it any source of waste oil including used engine oil, hydraulic oil, gear box oil, oil from tire pyrolysis and plastic waste pyrolysis; we readily convert into high quality diesel for use in automobiles, trucks, generators, heavy equipments like JCP and even boats.



DISTILLATION MACHINES

for waste oil to industrial diesel

A standard continuously operated distillation unit converting waste oil to diesel with a **yield range of 80-85%**.

Proprietary catalyst included with inbuilt water tank and cooling system.

Highly advantageous remote monitoring facility controllable through mobile phone.

The produced uncondensed gas can directly be used for gas generation or any heating application.

VEERA 25C	Specifications
Mode of operation	Continuous
Electricity	15 kW
Capacity	25 litres
Running hours	16-18 hours
Water, Oil and Diesel tank capacity	200 litres
Motor	1 hp water pump, oil pump and diesel pump
Input	Waste oil
Output	Diesel
Structure form	Frame with wheel
Operating Pressure	Constant pressure ATM
Catalyst	Permanent and Reusable
Heating Material	Electric
Reactor Material	SS304
Reactor thickness	6mm
Mode of Cooling	Chiller
Exhaust Scrubbing	Not applicable
Manpower required	1
Packing dimensions	7ft L*6.5ft H*5ft W (7cbm)

Total three catalysts A & B are permanent and reusable catalyst while C is final filtration catalyst used at 1.2 - 1.5 %

VEERA D25C



9600 USD

BILL OF MATERIALS

Reactor
Condenser
Diesel Tank
Bubbler
Catalyst filtration tank
Geared Oil pump with one motor
Temperature gauge
0.25 kW Water pump
Catalyst Tower
Uncondensed Gas Processor
Spare Heaters

VEERA distillation series is a plug and play system



DISTILLATION MACHINES

for waste oil to industrial diesel

A standard continuously operated distillation unit converting waste oil to diesel with a **yield range of 80-85%**. Proprietary catalyst included with inbuilt water tank and cooling system.

Highly advantageous remote monitoring system controllable through mobile phone.

The produced uncondensed gas can directly be used for gas generation or any heating application.

VEERA D50C	Specifications
Mode of operation	Continuous
Electricity	25 kW
Capacity	50 litres
Running hours	16-18 hours
Water Tank	NA (Client scope)
Oil and Diesel Tank	200 litres
Motor	1 hp water pump, oil pump and diesel pump
Input	Waste oil
Output	Diesel
Structure form	Frame with wheel
Operating Pressure	Constant pressure ATM
Catalyst	Permanent and Reusable
Heating Material	Electric
Reactor Material	SS304
Reactor thickness	6mm
Mode of Cooling	Chiller
Exhaust Scrubbing	Not applicable
Manpower required	1
Packing dimensions	10ft L*6.5ft H*6ft W (10cbm)

Total three catalysts A & B are permanent and reusable catalyst while C is final filtration catalyst used at 1.2 - 1.5 %

VEERA D50C



13600 USD

BILL OF MATERIALS

- Reactor
- Condenser
- Diesel Tank
- Bubbler
- Catalyst filtration tank
- Geared Oil pump with one motor
- Temperature gauge
- 0.25 kW Water pump
- Catalyst Tower
- Uncondensed Gas Processor
- Spare Heaters

VEERA distillation series is a plug and play system



DISTILLATION MACHINES

for waste oil to industrial diesel

A standard continuously operated distillation unit converting waste oil to diesel with a **yield range of 80-85%**. Proprietary catalyst included with inbuilt water tank and cooling system.

Highly advantageous remote monitoring system controllable through mobile phone.

The produced uncondensed gas can directly be used for gas generation or any heating application.

VEERA D100C	Specifications
Mode of operation	Continuous
Electricity	36 kW
Capacity	100 litres
Water Tank	NA (Client scope)
Running hours	16-18 hours
Oil and Diesel Tank	400 litres
Motor	1 hp water pump, oil pump and diesel pump
Input	Waste oil
Output	Diesel oil
Structure form	Frame with wheel
Operating Pressure	Constant pressure ATM
Catalyst	Permanent and Reusable
Heating Material	Electric
Reactor Material	SS304
Reactor thickness	6mm
Mode of Cooling	Chiller
Exhaust Scrubbing	Not applicable
Manpower required	1
Packing dimensions	15ft L*7ft H*6ft W (18cbm)

Total three catalysts A & B are permanent and reusable catalyst while C is final filtration catalyst used at 1.2 - 1.5 %

VEERA D100C



19700 USD

BILL OF MATERIALS

Reactor
Condenser
Diesel Tank
Bubbler
Catalyst filtration tank
Geared Oil pump with one motor
Temperature gauge
0.75 kW Water pump
Catalyst Tower
Uncondensed Gas Processor
Spare Heaters

VEERA distillation series is a plug and play system



DISTILLATION MACHINES

for waste oil to industrial diesel

A compact semi-continuously operated distillation unit converting waste oil to diesel with a **yield range of 80-85%**. Proprietary catalyst included with insulation system with three layer ceramic wool.

Highly advantageous remote monitoring system controllable through mobile phone.

The produced uncondensed gas can directly be used for gas generation or any heating application.

VEERA D50SC	Specifications
Mode of operation	Semi-continuous (Batch)
Capacity	50 litres
Batch time	4-5 hours
Electricity	8 kW
Running hours	16-18 hours
Water Tank	150 liter (incl.)
Output Rate	85%
Motor	1 hp water pump, oil pump and diesel pump
Input	Waste oil
Output	Diesel
Structure form	Vertical (easy maintenance)
Operating Pressure	Constant pressure ATM
Catalyst	Permanent and Reusable
Heating Material	Electric
Reactor Material	SS316
Reactor thickness	8mm
Mode of Cooling	Water cooling (incl.)
Exhaust Scrubbing	Not applicable
Manpower required	1
Packing dimensions	5ft L*6.5ft H*5ft W (6cbm)

Total three catalysts A & B are permanent and reusable catalyst while C is final filtration catalyst used at 1.2 - 1.5 %

VEERA D50SC



3900 USD

BILL OF MATERIALS

Reactor
Condenser
Diesel Tank
Bubbler
Catalyst filtration tank
Geared Oil pump with one motor
Temperature gauge
0.25 kW Water pump
Catalyst Tower
Uncondensed Gas Processor
Spare Heaters

VEERA distillation series is a plug and play system



DISTILLATION MACHINES

for waste oil to industrial diesel

A compact semi-continuously operated distillation unit converting waste oil to diesel with a **yield range of 80-85%**. Proprietary catalyst included with insulation system with three layer ceramic wool.

Highly advantageous remote monitoring system controllable through mobile phone.

The produced uncondensed gas can directly be used for gas generation or any heating application.

VEERA D100SC	Specifications
Mode of operation	Semi-continuous (Batch)
Capacity	100 litres
Batch time	4-5 hours
Electricity	12 kW
Water Tank	150 liter (incl.)
Running time	16-18 hours
Output Rate	85%
Motor	1 hp water pump, oil pump and diesel pump
Input	Waste oil
Output	Diesel
Structure form	Vertical (easy maintenance)
Operating Pressure	Constant pressure ATM
Catalyst	Permanent and Reusable
Heating Material	Electric
Reactor Material	SS316
Reactor thickness	8mm
Mode of Cooling	Water cooling (incl.)
Exhaust Scrubbing	Not applicable
Manpower required	1
Packing dimensions	6ft L*6.5ft H*5.5ft W (8cbm)

Total three catalysts A & B are permanent and reusable catalyst while C is final filtration catalyst used at 1.2 - 1.5 %

VEERA D100SC



6100 USD

BILL OF MATERIALS

Reactor
Condenser
Diesel Tank
Bubbler
Catalyst filtration tank
Geared Oil pump with one motor
Temperature gauge
0.25 kW Water pump
Catalyst Tower
Uncondensed Gas Processor
Spare Heaters

VEERA distillation series is a plug and play system



DISTILLATION MACHINES

for waste oil to industrial diesel

A compact semi-continuously operated distillation unit converting waste oil to diesel with a **yield range of 80-85%**. Proprietary catalyst included with insulation system with three layer ceramic wool.

Highly advantageous remote monitoring system controllable through mobile phone.

The produced uncondensed gas can directly be used for gas generation or any heating application.

VEERA D200SC	Specifications
Mode of operation	Semi-continuous (Batch)
Capacity	200 litres/batch
Batch time	5-6 hours
Electricity	30 kW
Water Tank	NA (Client scope)
Running hours	16-18 hours
Output Rate	85%
Motor	1 hp water pump, oil pump and diesel pump
Input	Waste oil
Output	Diesel
Structure form	Vertical (easy maintenance)
Operating Pressure	Constant pressure ATM
Catalyst	Permanent and Reusable
Heating Material	Electric
Reactor Material	SS316
Reactor thickness	8mm
Mode of Cooling	Water cooling (incl.)
Exhaust Scrubbing	Not applicable
Manpower required	1
Packing dimensions	10ft L*7.5ft H*7ft W (18cbm)

Total three catalysts A & B are permanent and reusable catalyst while C is final filtration catalyst used at 1.2 - 1.5 %

VEERA D200SC



11500 USD

BILL OF MATERIALS

Reactor
Condenser
Diesel Tank
Bubbler
Catalyst filtration tank
Geared Oil pump with one motor
Temperature gauge
0.25 kW Water pump
Catalyst Tower
Uncondensed Gas Processor
Spare Heaters

VEERA distillation series is a plug and play system



CASE STUDY

Regular Vs Veera Series - a comparison

S. No	Properties	Regular Diesel	Diesel from Veera systems
1	Density (kg/m ³) at 35 °C	826	830
2	Kinetic Viscosity (cSt) at 40 °C	2.214	2.344
3	Flash point (°C)	54	65
4	Fire point (°C)	59	69
5	Carbon residue	0.002	0.002
6	Higher calorific value (kJ/kg)	44854	45230
7	Pour point (°C)	-6	-8
8	Sulphur content (ppm)	-	<50

Note: Variations may occur based on quality of oil input



TERMS & CONDITIONS

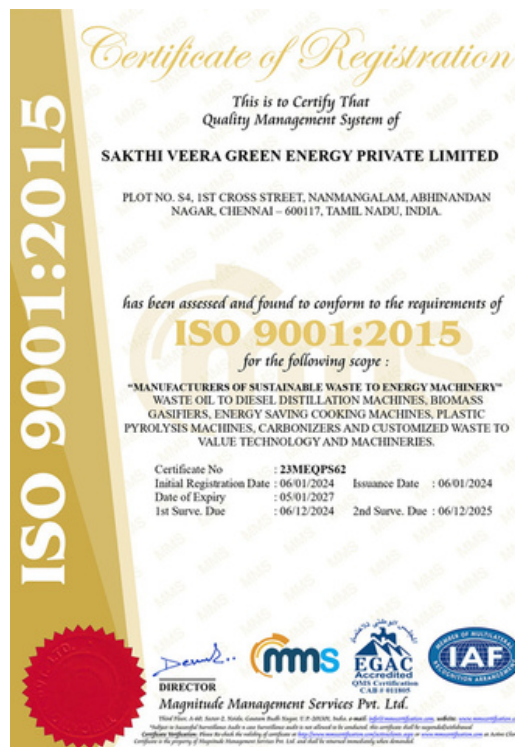
For all our systems

1. 70% interest free advance upon order confirmation
2. Balance 30% at the time of delivery
3. Delivery time 30-40 days accounted from date of receiving advance payment
4. One-year warranty period
5. Tax and transport as actuals



OUR CERTIFICATIONS

Sakthi Veera Green Energy Pvt.Ltd maintains high standards of International quality and environment management systems aligned with European Product standards



OUR GALLERY OF PRIDE & PASSION





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***THANK YOU, FOR TAKING THE TIME
TO KNOW US AND WE LOOK
FORWARD TO SERVING YOU.***



Let's Get In Touch Soon !

Our Locations



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**Check out our Videos and Client Testimonials on
our Youtube Channel**



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