



Malhari Projects

Waste Disposal Machine.

- Compliance First.
- Cost Reduction Machine.





Existing Flow:

**Collected, but
non recyclable
waste**



6-7 INR/Kgs.

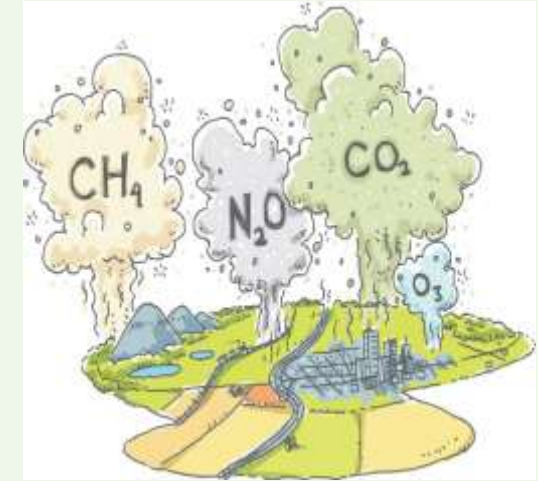
Solid Waste Landfilling.



Govt. Land



**Air, Land,
Ground water
damage**



Sustainable Flow:

Solid Waste to Wealth.



**Collected, but
non recyclable
waste**



3-4 INR/Kgs.



**No Air,
Land, water
damage**





Solution: Zero Solid Discharge; *Waste to Air TM.*

1. Without any Solid Waste Segregation.
2. Reducing OPEX More than 50 %
3. Negligible residue.
4. Emissions Compliant with Pollution Control Board.
5. No manual exposure to waste.
6. Reduce CO2 emissions, hence carbon offset.
7. Carbon offset = Carbon Credit.

04/06/2025



Zero Solid Discharge Plant (ZSD)

Performance Study

Company Name	Dr. Reddy's Laboratory	Amoli Organics	Aditya Birla Grasim	Asoj Soft Caps Pvt. Ltd.	Hester Biosciences Ltd.	TSDF Site Khambhat
Waste Name	Process Effluent Sludge	ATFD Salt	Epoxy Sludge and Slurry	Gelatine	Egg Sludge and Slurry	Inorganic
Feed Weight	10.00 Kgs.	10.00 Kgs.	10.000 Kg.	10.00 Kgs.	10.00 Kgs.	10.00 Kgs.
Residual Weight	0.50 Kgs.	0.30 Kgs.	0.700 Kgs.	0.37 Kgs.	1.80 Kgs.	2.5 Kgs.
Volumetric Reduction	95%	97%	93%	96.30%	81.90%	75%
Heating Media	Radiating Heater	Radiating Heater	Radiating Heater	Radiating Heater	Radiating Heater	Radiating Heater

Certification and compliances



Form No. GES/PR/T.8/04

TEST REPORT

NAME & ADDRESS OF CUSTOMER:
M/S. MALHARI PROJECTS PRIVATE LIMITED
SHED NO. 19-20 ADARSH SILVER ESTATE,
NR. PELICAN 2 ESTATE, KATHWADA GIDC ROAD 5,
KATHWADA GIDC, AHMEDABAD, GUJARAT, INDIA - 382430.

CERTIFICATE NO.: GES/0923/105

ISSUE DATE: 03.10.2023

SAMPLE DESCRIPTION: Stack Attached to Pyrolysis (100 kg/day) Chamber

SAMPLE COLLECTED BY: Greenzz Envirotech Solutions

PROTOCOL/PO No.: As Per Requirement

SAMPLING DATE: 29.09.2023

SAMPLING TIME: 03:00 PM to 01:40 PM

SAMPLE QUANTITY: 5 No.

SAMPLE ID NO.: GES/230930/01

SAMPLING METHOD: GES/SOP/STACK/01

PACKING/SEAL: Sealed

SAMPLE RECEIVED DATE: 30.09.2023

SAMPLE RECEIVED TIME: 10:05 AM

TEST START DATE: 30.09.2023

TEST COMPLETION DATE: 03.10.2023

Sr. No.	STACK/VENT DESCRIPTION	UNIT	RESULT	GPCL NORMS	TEST METHOD
01	AIR POLLUTION CONTROL SYSTEM:-	—	Scrubber		
02	AMBIENT TEMPERATURE:-	°C	33		
03	STACK GAS TEMPERATURE:-	°C	39		
04	STACK GAS VELOCITY:-	m/s	4.82		
05	FLOW RATE:-	LPM	19.71		
06	STACK DIAMETER:-	m	0.3		
07	STACK HEIGHT:-	m	15		
08	FUEL USED:-	—	Chemical Waste		
09	PYROLYSIS CAPACITY	kg/day	100		

RESULT TABLE:

Sr. NO.	PARAMETER	UNIT	RESULT	GPCL NORMS	TEST METHOD
01	Particulate Matter (PM)	mg/m ³	46.2	150	IS : 31255 (Part 1):1985
02	Sulphur Dioxide (SO ₂)	ppm	18.5	200	IS : 31255 (Part 2):1985, (IS 31114)
03	Carbon Monoxide (CO)	ppm	94.9	100	USEPA Method 10A
04	Hydrochloric Acid (HCl)	ppm	0.6	50	CPCB Guideline
05	Total Organic Carbon	mg/m ³	1.7	—	USEPA Method 18

For GREENZZ ENVIROTECH SOLUTIONS

AUTHORISED SIGNATORY
(VISHAL SODPARA - QM)

REVIEWED BY
(SWATI VADI - TM)

(Conti...)



GUJARAT POLLUTION CONTROL BOARD
PARYAVARAN BHAVAN
Sector-10-A, Gandhinagar-382 010
Phone : (079) 23226295
Fax : (079) 23232156
Website : www.gpcb.gov.in

By RPAD

No: GPCB/HAZ-GEN-584(1)/6/0226 Date: 31 DEC 2021

To,
Shri.A. Sudhakar
(Scientist 'II' & Head WQM-I-Division)
Central Pollution Control Board,
Pariveshbhavan, East Arjun Sagar,
Delhi- 110032

Sub: To submit proposal of M/s. Malhari Projects Private Limited, Ahmedabad, Gujarat for technology approval for Infrared Pyrolysis - reg.

Ref: Representation of unit dated 09/12/2021 and 28/12/2021.

Respected Sir,

With reference to above mentioned subject, we have received a proposal from Malhari Projects Private Limited, A-29, 231/1, Umiya Park, B/H Maniha School, Krishnanagar, Sajipur Bogha, Ahmedabad, Gujarat 382345 for technology approval for infrared pyrolysis for disposal of Biomedical waste, Hazardous waste and Municipal Solid waste. The unit has submitted the project report along with prescribed format of CPCB for technology approval. The same is attached herewith for your kind perusal please.

The proposal of the unit is submitted here with for your information and kind perusal please.

Thanking You,

For and on behalf of
Gujarat Pollution Control Board

D. M. Thaker
(D. M. Thaker)
Environment Engineer
Unit Head - Hazardous Waste Cell



Malhari Projects Pvt. Ltd.

THANKS, TO YOU



Contact Us:

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- sales@malhariprojects.com