



Our fully operational plant at Vishakhapatnam

## PROJECT ECONOMICS

Hydroxy Systems Plastic waste to motor grade fuel

**Size of Plant:** Handles 1 metric ton of shredded mixed plastic waste (PVC, PET and polystyrene are not handled)

**Runs on Electricity** and consumes one unit of electricity per litre of fuel-oil produced (Yield percentage is 50-99%)

Running cost of the plant, 2 workers plus electricity cost. If plastic waste is free, production cost of fuel **Rs. 10 – 12 per litre.**

The return on investment is achieved in less than 3 years. **Life of the plant is 25 years** with periodic maintenance and cleaning.



### Contact Us

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[www.hydroxysystems.com](http://www.hydroxysystems.com)  
[www.plastic2fuels.com](http://www.plastic2fuels.com)



**Efficient and Cost effective  
plastic to fuel solution for Urban Bodies**

India has over 3500 Municipalities and most of the Municipalities suffer from a revenue deficit which is the main reason for poor solid waste management.

Solid waste management is a challenge for the cities' authorities mainly due to the increasing generation of waste, the burden posed on the municipal budget as a result of the high costs associated to its management, the lack of understanding over a diversity of factors that affect the different stages of waste management and linkages necessary to enable the entire handling system functioning.

On an average 35% of Municipal Expenditure is incurred on sanitation half of which is spent on Fuel for garbage collection. High cost of fuel is a serious deterrent for real Swachh Bharat.

If only municipalities can get cheaper diesel Bharat Sach Mein Banega Swachh.  
**SO CAN MUNICIPALITIES GET CHEAPER DIESEL ?**



We at Hydroxy have pioneered an innovative, sustainable, and resource efficient process, using its proprietary technology to convert difficult-to-recycle waste plastics into high grade fuels

We follow the block process of CPCB consolidated guidelines except that we bettered it. Our technology patent pending process is Zero Emission as it doesn't have any exhaust chimney and no vertical cooling tower but a horizontal hot condensation and cold condensation, thereby saving space and money,

#### Our technology is

- Environmentally Sound
- Technically Feasible
- Technology Readiness Level (TRL)
- Zero discharge. Zero emission
- No Health Risks

- Residue is active carbon, which can be sold
- Output products – Diesel (Kerosene and petrol in small quantities) which can be used by any diesel internal combustion engines (cars, tractors, heavy earth moving equipment, generators)
- A fully operational plant is located in Vishakhapatnam (Andhra Pradesh)



Our technology and facilities have the advantages of low operation cost and intelligent automation to offer the customers with the integrated solutions for the reductive, harmless and recycling treatment of plastic wastes.