



**PELICAN**  
Biotech & Chemical Labs

*Creating wealth from waste*

In association with Dept of Biotechnology, Government of India

# What we do?

## Waste management: we charge Rs.330/house/month for - --

- Training in segregation, Door to door collection
- composting of biodegradables
- Secondary segregation of non-biodegradables to around 15 items like glass, paper, metal, plastic, rubber, cloth, rexin, its verities and forward linkage for recycling
- incineration of sanitary and soiled waste
- removal of compost and biodegradable materials into KMRL medians for gardening
- removal of incinerator ash
- installation and maintenance of composting bins, incinerator, supply of all consumables required for biodegradable, non-biodegradable and sanitary waste management, transportation and manpower

**Waste Reduction:** waste management is a temporary solution. We produce 1 Million MT of plastic and an equivalent of other non bio-degradables every day. 80 Billion tons of plastic and an equivalent other non-biodegradables are already in the surface of the earth. **Recycling is not possible any more – it is a temporary arrangement.**

*With you - -- we will*

- \_initiate package free grocery store – chilly, coriander, turmeric, rice, wheat, and many other items will be processed in your apartment – no preservatives and adulterants*
- \_Milk, vegetables, fruits, to be supplied from genuine toxic free sources – without plastic packets*
- \_all groceries will come in bulk from reliable and safe sources – cheaper and healthier*
- \_community kitchen for preventing parcel food.*

# PROPER SEGREGATION METHODS

## BIO-DEGRADABLE

## NON-BIODEGRADABLE

## SANITARY



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**DO NOT USE A PLASTIC BAG**  
**PUT DIRECTLY INTO BUCKET**

**KITCHEN WASTE, COOKED FOOD / LEFTOVERS**  
**VEG/ FRUITS PEELS**  
**EGG SHELLS**  
**CHICKEN/ FISH BONES**  
**ROTTEN VEGS/ FRUITS**

**DO NOT MIX WITH WET WASTE**  
**MUST BE RINSED IF SOILED**

**PAPER/MILK / OIL PACKETS**  
**PLASTIC COVERS /**  
**METAL/CLOTHS/GLASSES/**  
**BOTTLES / BOXES/**  
**BISCUITS, TOFFEE, CHIPS**  
**WRAPPERS, PLASTIC CUPS**  
**COCONUT SHELLS. HUSK**

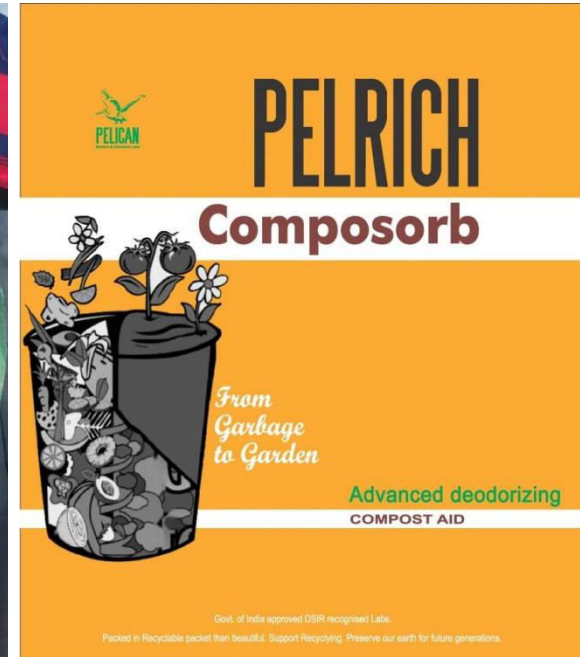
**WRAP IN NEWSPAPER ONLY**

**DO NOT WRAP IN PLASTIC**  
**DO NOT FLUSH**

**SANITARY PADS, ,**  
**EAR BUDS**  
**DIAPERS**  
**BANDAGES**  
**MEDICINES**  
**USED TISSUES**

**ZERO CARNON KOCHI METRO – LIVE WITH STYLE, LIVE SUSTAINABLY**

# PELRICH BYOBINS and Composorb



**ByoBin is an Aerobic Composting Bin.**  
**The capacity of each bin is 600 liters in volume.**  
**The area required for each composting bin is 1 sq m.**

**Pelrich Composorb™**  
**is a patented inoculum**  
**for Advanced**  
**Composting Using**  
**Aerobic Assistance**  
**(ACUAA)**





**WET waste is  
collected &  
sandwiched  
between layers  
of PELRICH  
COMPOSORB.**



# **Composting using Pelrich Composorb™:**

## ***Advanced composting using aerobic assistance - ACCUA***

- **First the solid and liquid waste is sandwiched between spongy Pelrich Composorb that can absorb moisture.**
- **Pelrich Composorb also adsorbs stench and obnoxious gases and provides free passage of air through the matrix for maintaining aerobic condition through out composting.**
- **Waste disintegrates into uniform particles along with Pelrich Composorb into healthy nutrient rich SOIL LESS PLANTING MEDIA.**

# Soil-less Planting Media (SPM)

- **Conventional composting generates organic fertilizer.**
  - This organic manure has to be added in limited quantities to soil, for planting.
- **The ByoBin-Composorb process generates soil-less planting media.**
  - This can be directly used for growing plants.
  - We do not need soil or manure, when we use SPM.
  - Thus we can grow a garden, without a need for soil or manure.
- **Other advantage of SPM:**
  - It automatically degenerates with time. This way, we can use the SPM in the same planting containers month after month, and not have to worry about how to use or get rid of the composted output. This is a huge problem for traditional composting technologies.

# Key Advantages

- **100% decomposition of wet waste (veg, non-veg)**
- **No tilling or chopping required**
- **No external energy required (zero carbon footprint)**
- **No-smell emanating from wet waste**
- **Leachate proof designed composting bin**
- **Very low area footprint required in your apartment complex**
- **Output of composted wet waste is nutrient rich soil-less planting media**
- **The soil-less planting media also degenerates with time, preventing accumulation of compost**
- **Low cost solution**



We are taking this compost for zero carbon Kochi metro gardening



# Or We can start Organic cultivation and fish farming in your apartment



CONTACT US:

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***A DSIR RECOGNIZED R & D UNIT***

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