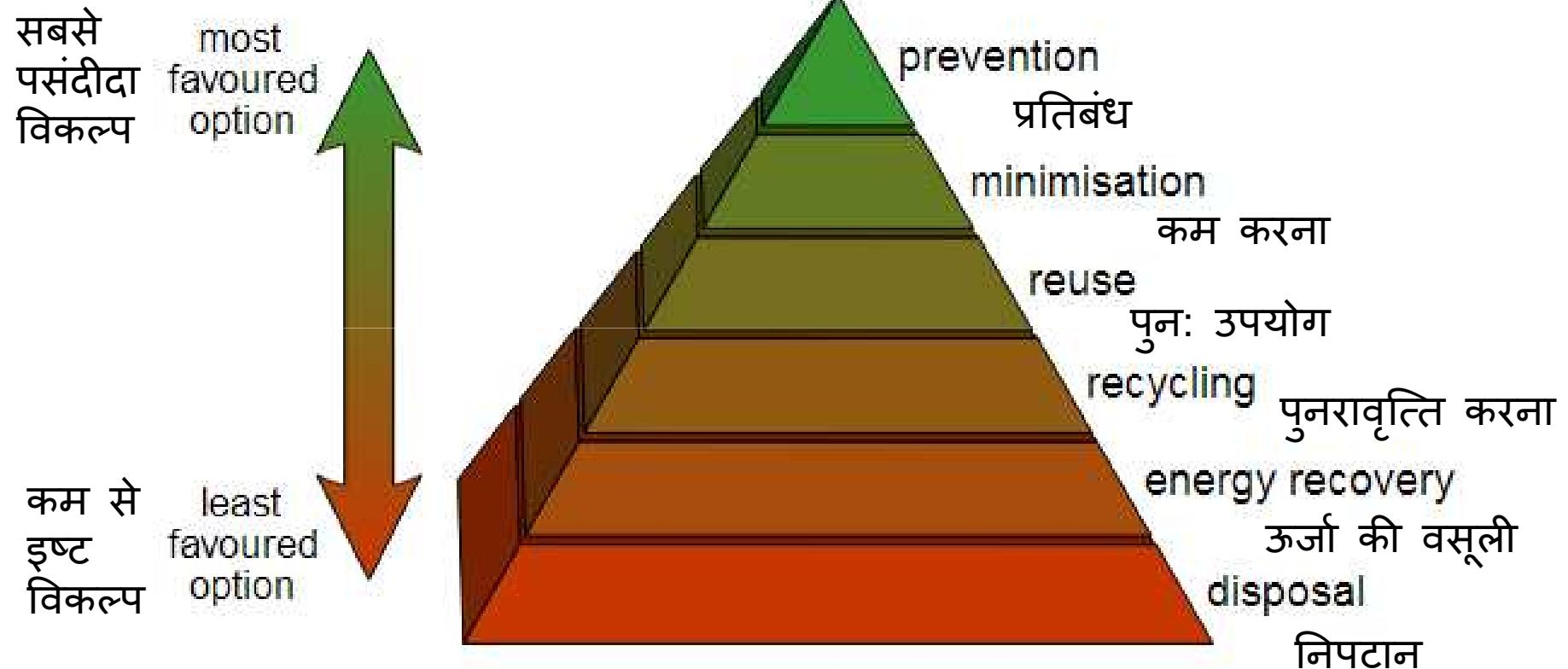


# Solving Waste Problems

ପ୍ରକାଶ ମନୋହର  
ମାନ୍ୟମାନ୍ୟ  
କେତେବେଳେ

YOU are going to be  
Creating solutions to  
Pabal's waste problem  
તું સમાજની  
કાર્યક્રમ પાઠ્યકાળીન  
પાઠ્યકાળીન  
કાર્યક્રમ પાઠ્યકાળીન  
કાર્યક્રમ પાઠ્યકાળીન





# Reduce छोटा करना

- Best way to reduce waste – avoid creating it in the first place!
- EDUCATE the community
- Use more sustainable materials for bags /packaging (paper, cotton, hemp etc.)
- Use less material and re-use bags!
- SEGREGATE waste



# Community Engagement

## समुदाय सुवार्षा

### 1. FIND A CHAMPION

A champion is any member of the community who feels passionate about managing waste and is committed to monitoring the process.



These are Champions in different communities all over India who have the courage to make a difference. You need one if your community is to succeed in throwing out less waste everyday. All these Champions compost all their waste using the Manthan System.

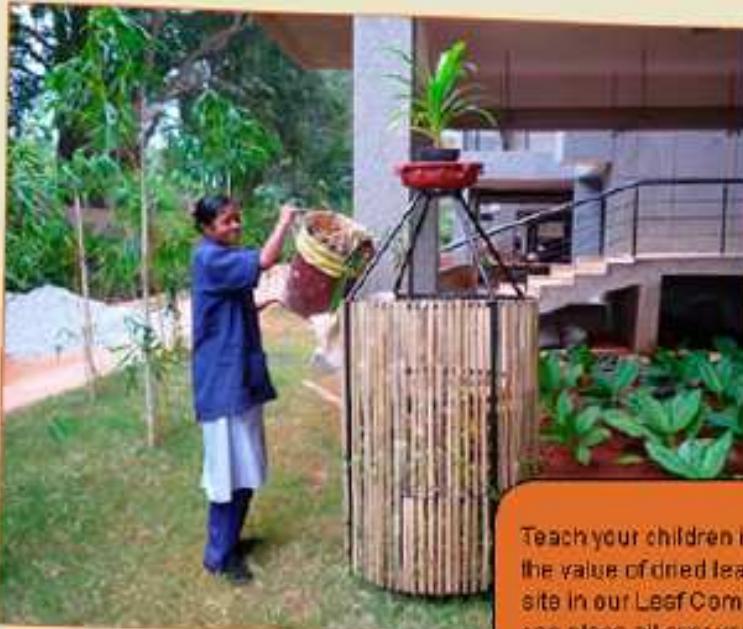
# Waste Segregation कार्यालय

## 3. DESIGN A SYSTEM

Design a system to collect, sort, compost, send to BBMP truck and manage E waste



Detail out the way waste is segregated in each office floor, and how it will be collected each day. After collection where will it be stored, composted, sorted and given away? 10% rejects will always have to go to the municipal landfill. But the other 90% can be managed effectively.



Teach your children in the community the value of dried leaves, save them on site in our Leaf Composters that you can place all over your landscape area. It saves your gardeners work of lifting and haulage. The dried leaves become leaf mulch and is excellent for your gardens. Do not burn leaves!!!



# Paper Bags कागड़ी बैग





# Reuse

- Repair items that no longer work
- Reuse bags, plastic bottles etc.
- Make new things out of old things...!

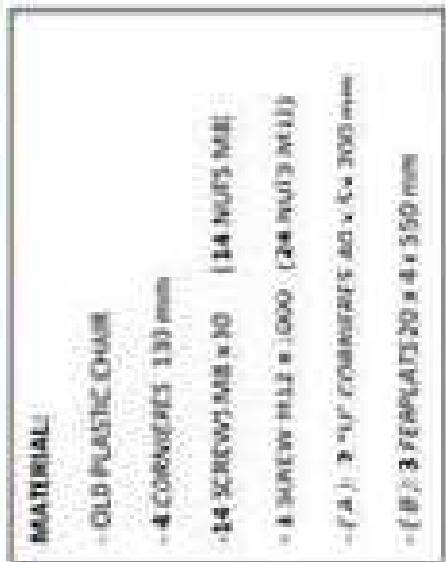


# Sam's house!











BRONN / KEPPIEL





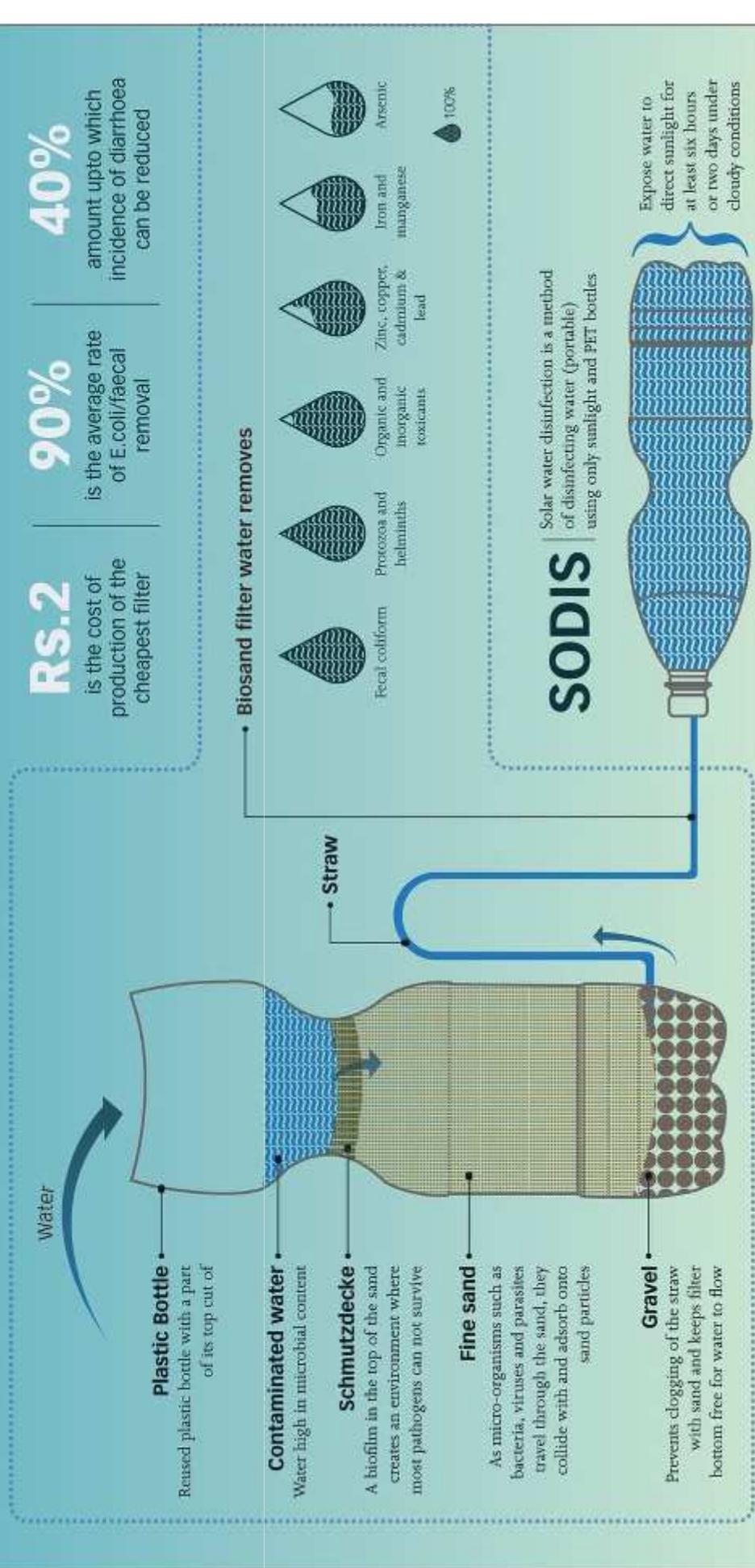
Creative Ideas on FB

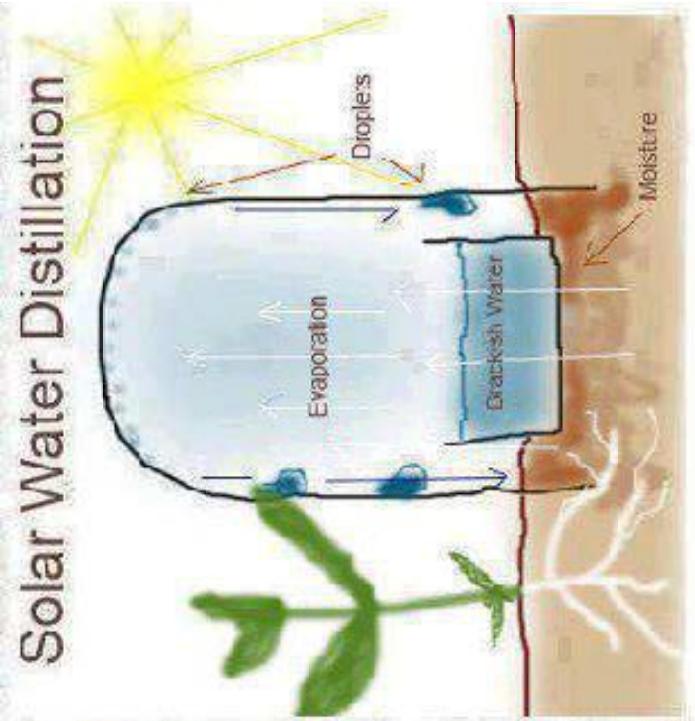




# BioSand

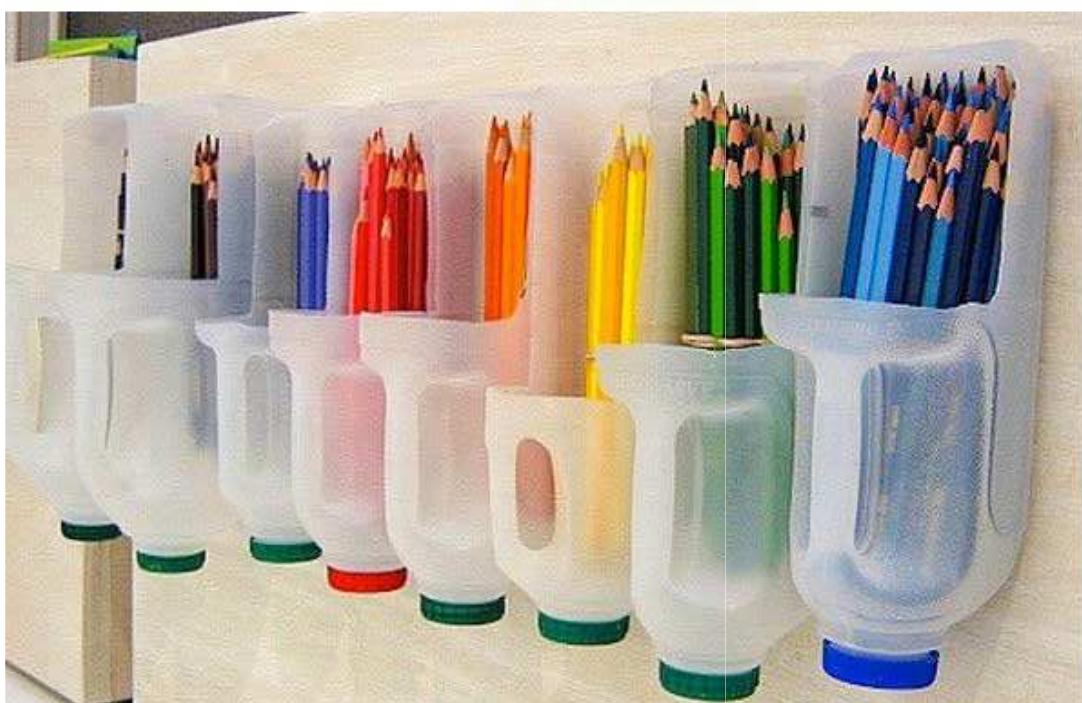
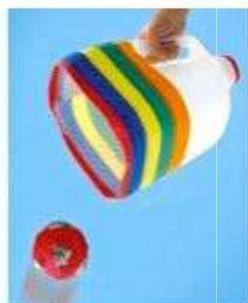
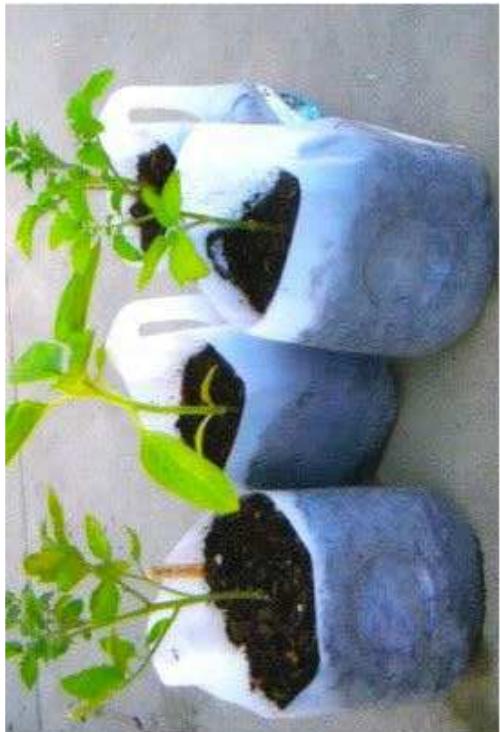
Every day people risk their lives and health by drinking contaminated water. Biosand filter is a technological adaptation of the slow sand filtration process and makes a difference by providing safe drinking water, right where and when it's needed.

















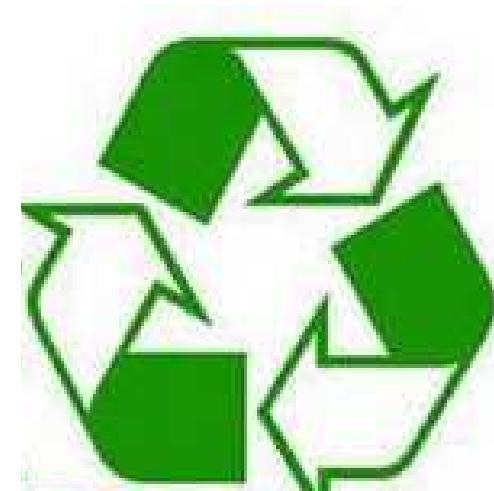






# Recycle

- Last resort!
- Recycling is... turning waste materials into useful materials through processing
- Collecting, sorting, cleaning, processing
- Paper – pulp
- Plastic – melted down  
(Only some plastics can be recycled!)



# FLOW CHART OF PLASTIC TAR ROAD MAKING PROCESS



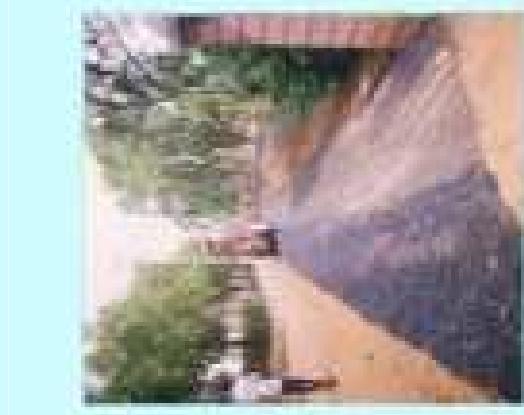
Cleaning of  
Plastic Waste



Shredding of  
Plastics



Mini Hot  
Mix Plant



Aggregate Plastic  
Bitumen Mix



Transfer of  
agg to Puddler

Addition  
of Bitumen

Addition  
of Plastics

# Design Brief डिजाइन संक्षिप्त

**Aim:** To develop a strategy to address the growing waste problem in Pabal

पबल में बढ़ रही बर्बादी समस्या का समाधान करने के लिए एक रणनीति विकसित करने के लिए

A key consideration is how to incentivise waste management within the community so that it will be self sustaining.

# Design Brief डिजाइन संक्षिप्त

1

- Over the weekend – think of AS MANY different ideas as you can
- सप्ताहांत में - के रूप में आप कई अलग अलग विचारों के रूप में लगता है

2

- On Monday, we will put you into teams to develop these ideas
- सोमवार को हम इन विचारों को विकसित करने के लिए टीमों में रखा जाएगा

3

- The best ideas will be implemented in the village!
- सर्वश्रेष्ठ विचारों को गांव में लागू किया जाएगा!

# Design Brief डिजाइन संक्षिप्त

Think about:

- 
- 1 • How to get people to REDUCE their waste
  - 2 • Ways we can SEGREGATE the waste
  - 3 • How we can REUSE the waste

# Points to Consider हे लक्षात

## छ्या

- Size of Pabal पाबळ गावाचा आकार
- Quantity of waste कचऱ्याचे प्रमाण
- Source of waste कचरा उत्पन्न होणारी कारणे
- Frequency of generation तो किती वेळा बाहेर फेकला जातो?
- Why it is thrown away तो का फेकला जातो
- Reason for use of material विविध प्रकारच्या कचरा वाढवणाऱ्या वस्तू वापरण्याचे कारण काय?
- Current management आत्ताची परिस्थिती
- Previous attempts/measures आधीचे प्रयत्न
- Why previous attempts failed आधीचे प्रयत्न का निष्फळ ठरले