



TELANGANA TRIBAL WELFARE RESIDENTIAL
DEGREE COLLEGE (GIRLS),
MAHABUBABAD

CHEMISTRY DEPARTMENT



**PLASTIC
WASTE
MANAGEMENT**



US



Europe



China



Brazil

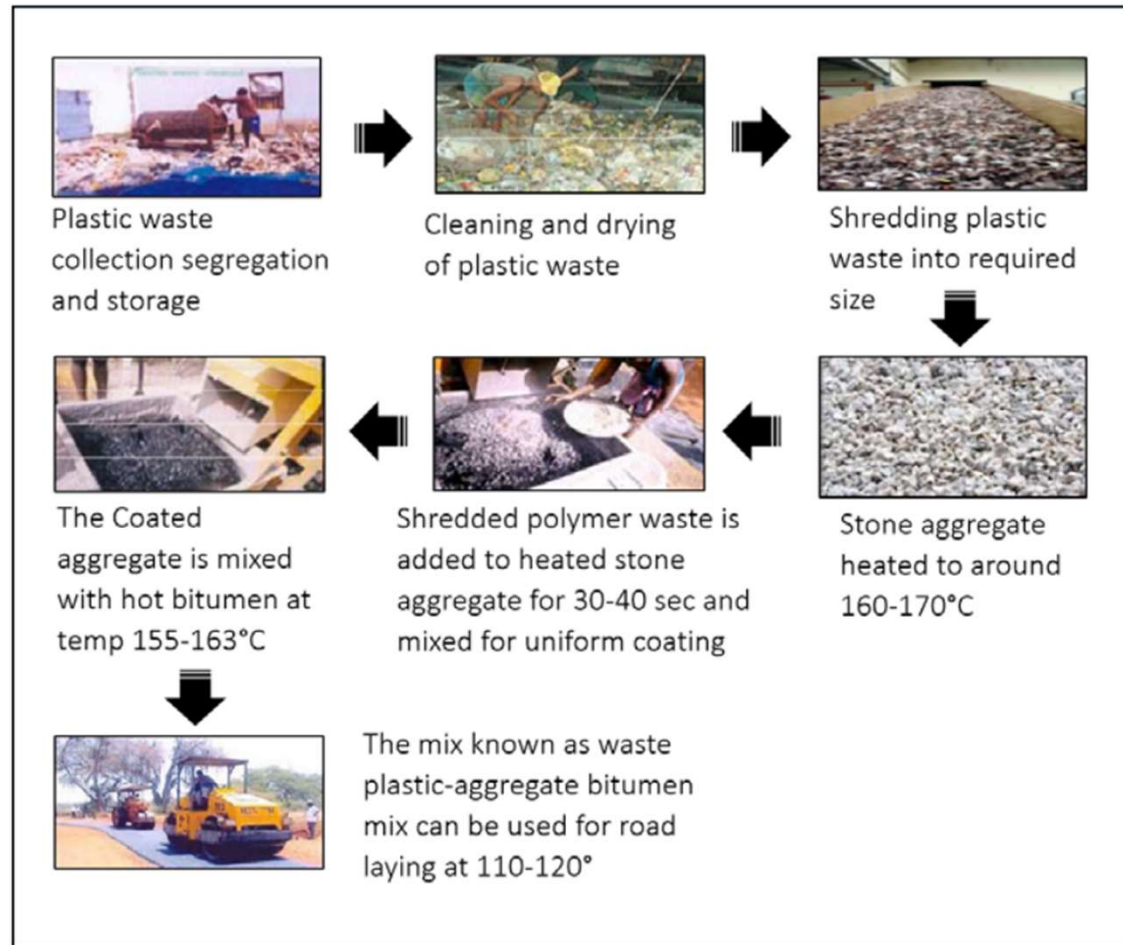


India

Per Capita Plastic Consumption
in 2014-2015 (in kg)

Global Average: **28**

• Flowchart of Plastic Bitumen Road process





Waste
Limestone



Waste
Ceramic



Waste
Redoxid



Waste
PET

Figure: Toilet Blocks made of Plastic Waste

PAVEMENT BLOCKS AND DUSTBINS MADE OF RECYCLED PLASTIC



Go Green Initiative of Tetra Pak





PET bottles



Apparels



Milk Pouches



Barsati Film



Plastic Woven Sacks



Niwar patti



Battery Cases



Luggage



Plastic Carry Bags



Mats



PVC Pipes



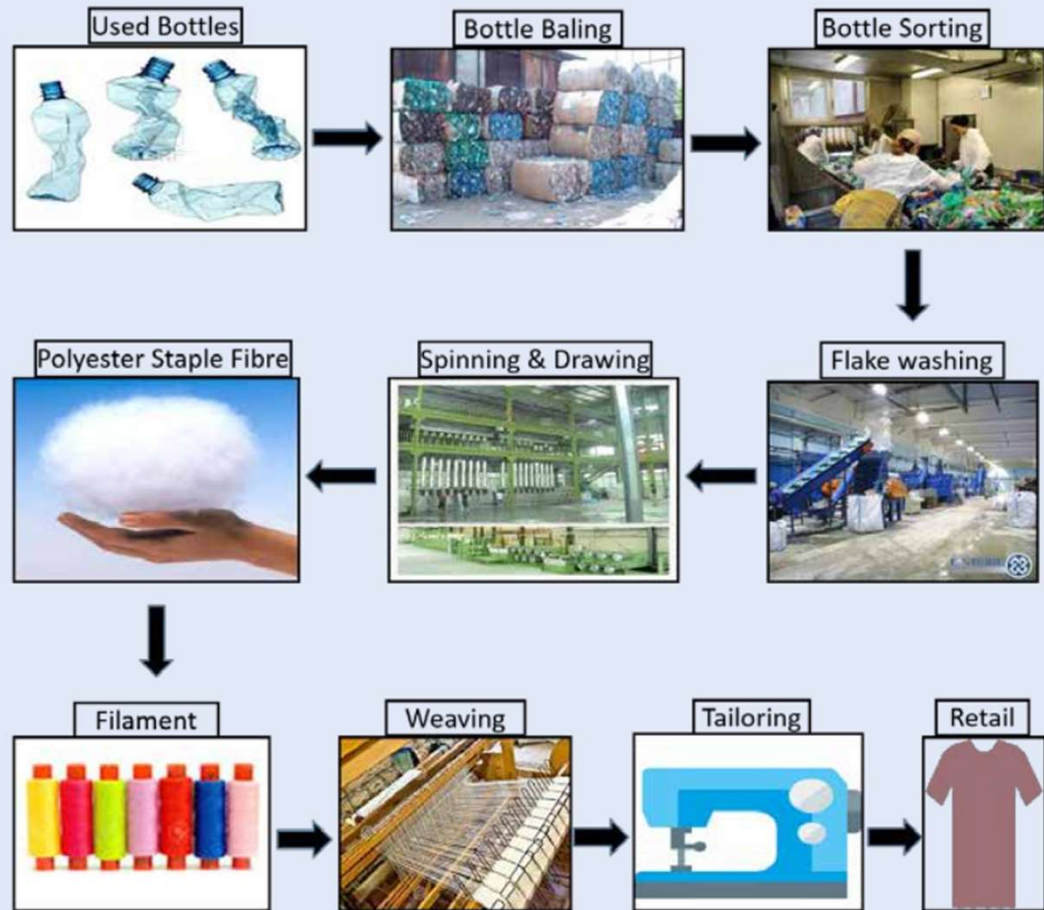
Shoes

Figure: Applications of Recycled Plastic

Reverse Vending Machine (RVM)



PET bottle recycling system:



Plastic products have become an integral part of our daily life as a result of which the polymer is produced at a massive scale worldwide.

Plastics are not inherently bad, and they have many redeeming ecological features

On an average, production of plastic globally crosses 150 Million tonnes per year. The recycling of a virgin plastic material can be done 2-3 times only, because after every recycling, the plastic material deteriorates due to thermal pressure and its life span is reduced. Hence recycling is not a safe and permanent solution for plastic waste disposal.

Once plastic is discarded after its utility is over, it is known as plastic waste.

THANK YOU

SECOND YEAR
BSc(BZC), BSc(FZC) STUDENTS