How to use?
- Put in about 6 inches depth of old compost when using for the first time.
- Put daily organic waste inside the barrel. Cut the large pieces of wastes into smaller pieces.
- Sprinkle some water if the waste gets too dry.
- Collect the compost from the bottom after 3-4 months. Wait for it to mature before using or selling.
- The compost should mature after spreading under shade for 10-15 days.

Benefits of Using the Barrel
- Organic waste turns more quickly into organic fertilizer
- Can be used as much as and whenever necessary
- Reduces nuisance of mosquito and flies; therefore checks related diseases.
- No odor is generated and keeps the environment pleasant.
- Provides useful nutrients for the soil
- Easy to use, continuous and sustainable process and does not require additional manpower

What can you put in the barrel?
- Vegetables, skin of fruits and roots, rotten or leftover parts, leaves, flowers, etc.

Do Not Put In
- Hard parts of fish and meat such as, bones, fat and coconut shell, etc.
- Inorganic waste including polythene, clinical waste, human excreta, etc.

Problems of using the barrel
- Initial cost though a little bit high, yet recoverable through selling of the compost.
- Can not be produced on large scale

HOW TO USE COMPOST

<table>
<thead>
<tr>
<th>Crop</th>
<th>Application</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rice, wheat, corn</td>
<td>10-20 kg/decimal</td>
<td>During land preparation</td>
</tr>
<tr>
<td>Potatoes, onion, asparagus</td>
<td>20-28 kg/decimal</td>
<td>During land preparation</td>
</tr>
<tr>
<td>Vegetables</td>
<td>16-24 kg/decimal</td>
<td>During land preparation</td>
</tr>
<tr>
<td>Fruit bearing/timber trees</td>
<td>1/2-3/4 kg/tree</td>
<td>Twice a year</td>
</tr>
<tr>
<td>Seasonal flowers</td>
<td>40 kg/decimal</td>
<td>During land preparation</td>
</tr>
<tr>
<td>Tub plants</td>
<td>1/3-1/2 kg/tub</td>
<td>Twice a year</td>
</tr>
</tbody>
</table>

COMPOST BARREL
Using little space, getting lots of benefits

What is waste?
- Things or parts of things which apparently seem useless after use and are thrown away are waste.

Types of waste?
- Depending on the physical characteristics, waste can be categorized as 1) solid 2) liquid and 3) gaseous.
- Again based on the source, waste can be classified as 1) organic and 2) inorganic.
- Wastes that are produced from living bodies and decompose (like fruits & vegetables) are organic wastes.
- Those which are generated from natural sources or produced artificially and do not decompose (for example bricks, glass, iron etc.), are inorganic wastes.

Why use barrels?
- The barrel method is a very effective technology which can provide a sustainable solution to the problems of dirty, unhealthy, unpleasant and stinking environment arising from improper management of wastes.
- It is possible to establish barrel type composting at household level through self initiative. It takes little investment and space.
- The barrel is re-used. All the wastes that are generated are recycled to produce fertilizer.
- The product compost is a source of earning for the low-income people.

Who are the users?
- Slum dwellers who have no fixed place to dispose of their wastes.
- Environment conscious people who have space in the house premises and grow flowers or vegetables in the backyards or tubs.

How will you prepare the barrel?
- Procure 150-200 liter plastic barrel and make necessary perforations of 1/2 inch diameter on the sides and in the bottom of the barrel.
- Make a metal to cover the barrel from the top so that no water can enter into it.
- Prepare a concrete base above 6 inches from the ground to place the barrel.
- Cut a square door in the lower portion of the barrel so that the compost can be taken out.

Barrel composting
- Organic waste can be recycled to produce compost. A simple method for producing compost is the Barrel Process.
- In the barrel process all organic household wastes are stored in a perforated barrel. After a few days it automatically turns into organic fertilizer. This fertilizer is very useful for soil.

Wherever people live, there will be generation of waste. It is not possible at all to avoid the household waste. But what is most necessary and also possible is to properly use the waste. It has become impossible for the City Corporation/Municipalities alone to properly manage the waste. Therefore we ourselves have to take steps to solve the problem locally for our own interest. Compost barrel offers a good solution by using very little space. It is safe for health and environment. At the same time it offers an opportunity of earning some extra income for the poor.