GREEN INITIATIVE AT A GLANCE

Tree Plantation Drive

Plant Trees and Save This Planet!!!

Tata Power Company has always been benevolent and socially responsible. On 7th July 2013, Sunday, Team Transmission further emphasized this by organizing and participating in its Tree Plantation Drive near Lonavala Environment Center at Walwhan. The event was organized by Mr.Janak Pandya and he successfully motivated Twenty One people for the Tree Plantation Drive. The event was led by Mr. Vijay Chourey and Mr. Vivek Vishwasrao, who were full of enthusiasm. They were able and effective leaders overseeing the event and also planting trees themselves. Their effort and fervor is certainly commendable.

The effort put in by the participants are laudable to have successfully planted 250 trees out of which 50 wore seeds. The need to understand nature and make efforts to conserve it has always been acutely scrutinized by the Tata Power nature lovers. The participants are also responsible for diligently planting the Bamboo saplings which is an endangered species. Mr. Vivek Vishwasrao; the well known Horticulturist for the Lonavala Garden needs a special mention for his vast knowledge and sharing it with us. He was also a wonderful host and welcomed everyone with Herbal tea and lunch. The day was highly satisfying and enjoyable as gentle drizzle and cool breeze aided the participants to complete the noble work of helping MOTHER NATURE

Highlights of the programme are as follows.

Site of plantation – Downstream, walwhan dam

Number of volunteers - 21

Total plantation - 250 saplings

Some Important Species planted:

Saraca Asoka – Endangered species of Western Ghats

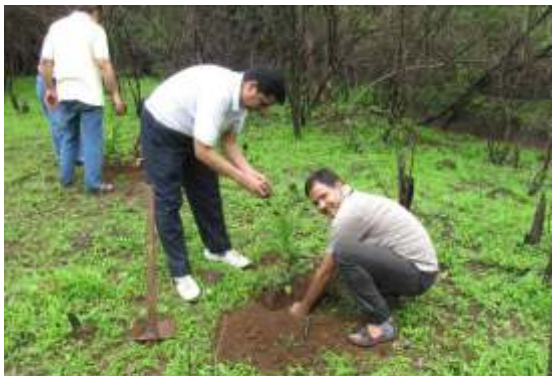
Lagerstroemia sp. – State flower of Maharashtra

Bamboo – Helps prevent soil erosion.

VOLUNTEERS IN ACTION

Group of Volunteers ready for Plantation

Mr. Chourey planting a sapling of Saraca asoka one of the endangered species



Enthusiasm of Young Volunteers .

Volunteers planting a sapling

Young Dynamic Volunteers moving for Tree Plantation.

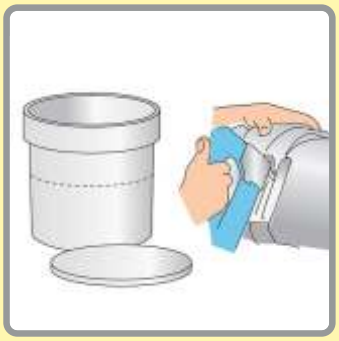
The rapid felling of trees by human beings is being explained by Mr. Vivek Vishwasrao

ASSAM BAMBOO directly imported from Assam behind Participants.

Voluteers expressing happiness

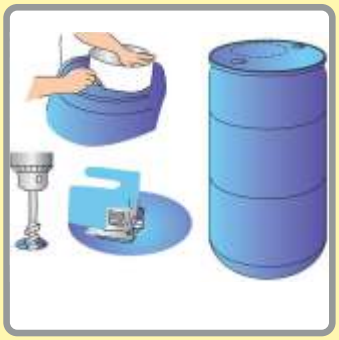
Green Desk

Recycle your rainwater and keep your landscaping looking healthy, the eco-friendly way. Building a rainwater collection system is fast, easy and can save you money on your water bill, as well as significantly reduce your water usage.



1. Cut a bucket to create the top of your rainwater tank.

- The top of your rainwater collection system is made by cutting the top off a five gallon / 10 liter food safe bucket. An important thing to keep in mind when putting together your rain collection system is that standing water can be a haven for mosquitoes. The top will be used to secure a paint strainer to the top of the bucket, thereby keeping large objects and mosquitoes from getting into the barrel and spoiling your water supply.
- With your 7/8"/ 2.2cm spade bit already attached to your power drill, put a hole in the side of the five gallon bucket to get your jigsaw rolling and cutting easily.

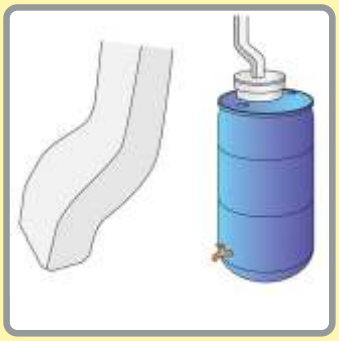


2. Use your permanent marker and the top of the five gallon bucket and trace around the top of the 55 gallon / 210 liter drum.

- Just like you cut the starter hole on the five gallon bucket, use your drill with the 7/8" / 2.2cm spade bit and put a hole in the top of the 55 gallon / 210 liter drum.
- Follow the guideline around the top of the barrel.
- The top of the five gallon bucket should fit snug in the opening of the 55 gallon / 210 liter drum.

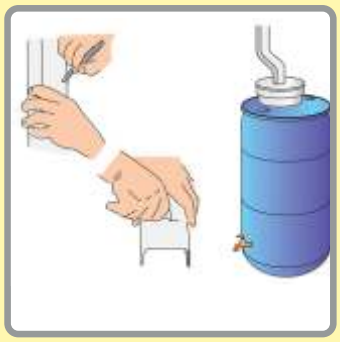
3. Spout it out. No one likes a leaky spout – especially when the whole point of your rainwater collection system is to reduce the amount of wasted water.

- A sure way to get your spout to fit nice and tight into the bottom of your 55 gallon / 210 liter drum is to drill a hole using your 7/8" spade bit.
- Take your half-round file and file down the inside of the hole until you have a nice fit.
- Screw the ¾" / 2cm spigot in securely.
- When you have a good fit, set your drum up on cinder blocks.



4. Add a gutter extension.

- Using the existing downspout from your gutters, add an extension to run down into the collection barrel. Any hardware store will carry a variety of extension and fittings for this. Make sure to save the receipt so you can return any of the unused fittings.



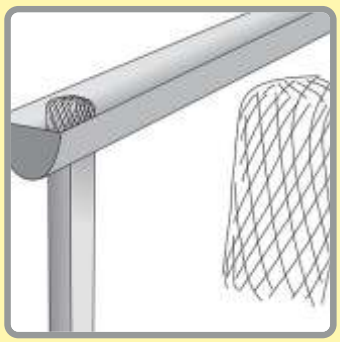
5. Measure and mark where you need to cut the fitting so that the end will run into the top of your rainwater collection barrel.

- Most fittings are made of flexible plastic and can be cut with a utility knife.
- It may be necessary to use a "splice" to fit the end of your existing downspout into the extension. Push these two pieces together until they are nice and snug.
- Use brackets to secure the fitting to side of your house.

6. Ensure a proper fit. Before retiring your jigsaw for the day, you need to cut a hole in the lid of your 5 gallon / 10 liter bucket, as this will keep large objects from falling into the collection barrel.

- Measure around the opening of your drain.
- Use the 7/8th inch / 2.2cm spade bit to drill a starter hole.
- Cut the remainder of the lid with your jigsaw.
- Place the lid on the top of the bucket to check for proper fit.

7. Strain the drain. To prevent the collected organic matter from hanging too far down into the rain barrel, tie a knot in the strainer before installing it into the lid.



8. Place a gutter strain in the gutter on your roof. This will keep large debris from working its way down the fittings and potentially clogging the gutters. You will have to get up near the rooftop to clean this type of strainer.

9. Enjoy using your rainwater collection system. Not only does it save water and your pocketbook, it's so much fun! You may never need to recruit help around the yard again.

Green Quotient

1. What generally accounts for the greatest use of household water?

a) Washing Machine
b) Dishwasher
c) Shower
d) Landscaping

2. How many gallons (or liters) does an average washing machine use per load?

a) 8 (30 liters)
b) 25 (95 liters)
c) 41 (155 liters)
d) 64 (242 liters)

3. True or False. Taking a bath saves more water than taking a shower?

a) True
b) False

4. How many gallons (or liters) of water are wasted in an average home each year due to leaky household pipes?

a) 3,000 (11,400 liters)
b) 5,000 (19,000 liters)
c) 9,000 (34,000 liters)
d) 11,000 (41,600 liters)

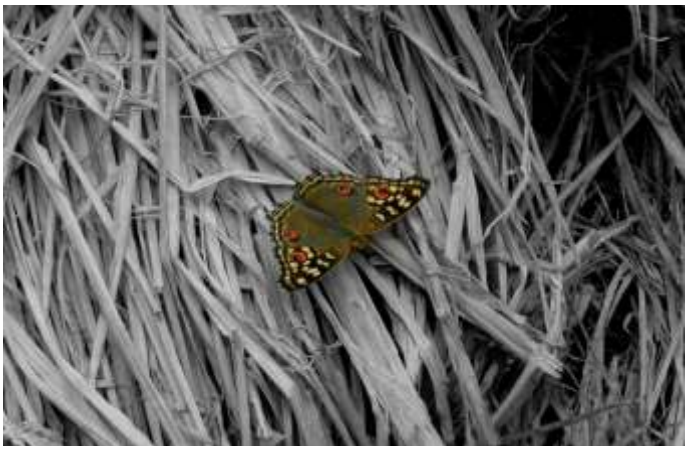
5. Approximately how many people in the world do not have access to clean water?

a) 3.5 million
b) 1.1 billion
c) 50 thousand
d) million

May Issue
The winner for last issue of Green Quotient is
Mr. S.K. Mallick

Congratulations to our Winner!

Green Canvas



Courtesy: Photographer,
Anshuman Biswal.

Do send in your feedback at **Greenolution@tatapower.com**