

*This issue of Greenolution Digest gives you a glimpse of the Green Initiatives undertaken by our employees focusing on Recycling of Paper.*

**RECYCLE!** Recycling one ton of paper saves 26,497 liters of water, 4000 Kilowatts of energy and 17 trees!

Look out for the winners of the **Green Quotient** -July issue.

Do not miss out our fun sections which will tickle your brain and force you to think **GREEN!**

Happy Reading!

## Green Initiatives at a Glance

### Revamping by Recycling Papers - Initiative by Corporate Secretarial and Corporate Admin.

Old share certificates of the Company and also of the erstwhile 'The Tata Hydro-Electric Power Supply Co. Ltd.' and 'The Andhra Valley Power Supply Co. Limited', after dematerialization, were stacked up in a room in Parel Receiving Station. On being intimated by Administration Department, an inspection was conducted by Company Secretary and his team and instructions were given to Administration Department to shred the same on the premises.

Administration Department organised the shredding and the material was collected by Nari Mukti Sanghatana, an NGO, which will recycle the shredded material into reusable pads and stationery. It has also resulted in release of space for better usage.

REDUCE  
REUSE  
RECYCLE



## Recycle Paper, Save Trees - Initiative by Security Administration Environment Department

A Team from Security, Administration and Environment department at Trombay took up the initiative of recycling waste papers and creating writing pads for internal training purpose at Trombay.

Waste papers (torn papers/paper debris) generated at security department were collected, shredded and handed over to the contractor for recycling.

About 500 Kg of shredded papers were handed over to contractor and paper pads were received back from the contractor.

It is estimated that about 8 Number of trees are saved by recycling of 500 Kg papers.



### Green Desk

## Bamboo trees can help in combating Global Warming!

Global warming is known to all of us. We have been depleting the natural resources and generating carbon dioxide to a level that can not be sustained. It is difficult for us to give away our comfort, which generates enormous amount of gases.

**Bamboo is one of the best solutions for the problem of global warming in many ways:**

- 1) Bamboo absorbs Carbon dioxide and releases oxygen into the atmosphere 3 to 4 times higher than many other trees.
- 2) One bamboo tree generates plenty of natural oxygen sufficient for more than one human being's daily requirement
- 3) Grows more than one foot a day and covers with good canopy faster than any other tree and cooling the surroundings.



- 4) Bamboo can replace the wood from forest for all applications such as paper, flooring, furniture, charcoal, etc.
- 5) Bamboo co-polymer plastic replaces 50% of plastic which is essential but not eco friendly.
- 6) Bamboo effectively cleans the water pollution of the septic tank discharge and factory effluent by its natural affinity for nitrogen, phosphorus and heavy metals.
- 7) Bamboo enriches the soil naturally and prevents soil erosion.

When you take as much CO2 out of the atmosphere as you put in, you are **“carbon-neutral”** – you are **leaving no CARBON footprint!** You can reduce your carbon footprint by planting right variety of bamboo that grows 1.5 feet a day and removes over 500 Kgs of CO2 every year to offset your carbon emissions.

One mature Beema Bamboo would sequester above 500kgs of carbon dioxide from our surrounding every year for the next 200 years - at least for next five generations.

A family of four would essentially require 1100 to 1250 kg of oxygen every year for breathing which is made available by 3 bamboo plants organically. Plantations can be carried out in gardens, houses, balconies in a big drum (over 100 litre capacity), terraces in big drums, the banks of lakes and ponds, road side parks, school campuses, surrounding college buildings, along the factory compound walls and buildings, etc.

**Quantity of Co2 Absorbtion and Production of Oxygen by One Bamboo Tree Every Year:**

		1st year	2nd year	3rd year	4th year	5th year
<b>1 bamboo tree =</b>	Kgs biomass	25	100	250	300	350
	Kgs of Co2	41	165	413	495	578
	Kgs of O2	30	120	300	360	420

After 5<sup>th</sup> year onwards the production of Oxygen and absorption of CO2 remains fairly same in the subsequent years for over next 200 years.

**One bamboo is sufficient in an area of (1189/15.6) 76 sqM**

**If you don't want to leave carbon foot print for the next generation, plant Beema Bamboo which could be an excellent carbon sink for years to come.**



**Green Quotient**

Tease your brain with these riddles.



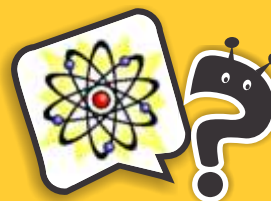
**Why did the foolish gardener plant a light bulb?**

**How do energy-conscious people feel about wind power?**



**How did Benjamin Franklin feel when he discovered electricity?**

**What does the nuclear scientist do in his spare time?**



**How is energy conservation like a baseball team?**

Please send your answers to [Greenolution@tatapower.com](mailto:Greenolution@tatapower.com)

In case of more than two correct entries, the winners would be decided by a draw of lots.

**July Issue**

The winners chosen by draw of lots are-  
**Ms. P Vaishnavi and Mr. Hiral K Upadhyay.**

*Congratulations to our Winners!*

## Green Canvas

This canvas is specially created for all of you who believe GREEN is the new way of Living!

Next time whenever you come across a GREEN thing, capture it and send it to [Greenolution@tatapower.com](mailto:Greenolution@tatapower.com) ! We will feature the top 10 clicks on our Greenolution Digest.



Ms. Dipti Vaghasiya



Mr. Animesh Kakoti



Ms. Dipti Vaghasiya



Mr. Amit Ganguly



Mr. Ajay Unnikrishnan



Mr. Ajay Unnikrishnan



Mr. Abhishek Ramkrishna



Mr. Ashwin Preman



Mr. Animesh Kakoti

Do share your feedback with us on [Greenolution@tatapower.com](mailto:Greenolution@tatapower.com)