

Greenolution *Digest*

Greenolution e-Newsletter, July 2018

**COVER
STORY**

2

#BeWaterSmart



**GREEN
QUIZ**

Quiz

08

**GREEN
CLICK**

09

DT 3,5-4,5 / 16-80 AZ

COVER STORY

#BeWaterSmart



1. Rain Water Harvesting at Trombay!

“As a green initiative at Trombay, a pilot project to harvest rain water from the terrace of DM plant, was started on 9th June 2018. Rain water collected from the terrace of DM plant at Trombay, is filtered through pressure sand filter and re-cycled back into unit 5 raw water storage tank behind DM plant. Till 31st July 2018, 1614 M3 (16,14,000 liters) of rain water worth Rs. 79345/- has been collected and stored in raw water storage tank.”

Team Members were: **A P Suntoke, N C Belsare, M V Nerlekar, R M Surve, S K Zinjurde** (all from Chemical Dept); **Pinkal Sukhadia** (Civil & Estate corporate services) & **Jitendra Yadav** (MMD)





2. Team TPSDI-Maithon has taken water conservation initiatives at Tata Power Skill Development Institute-Maithon.

Apart from other initiatives and creating awareness amongst trainees and staff members, One vital initiative taken towards water conservation is to avoid overflow of water from service tank that goes as waste in the drain. In an attempt to avoid the wastage, team installed an "Water Overflow Alarm" to the service water tank. The sensors fitted at a level lower than the overflow pipe and hence, as the water level tends to approach the overflow pipe, the sensor gets activated and an alarm sounding "Attention Please, Water Tank is Full. Please switch off the motor.!!" Starts playing which gives an indication to the housekeeping staff that the pump needs to be stopped, before the overflow takes place..!!

The members involved in this initiative are:

1. **Alok Prasad (Principal – TPSDI, Maithon)**
2. **Prashant Mishra (TRU- TPSDI-Maithon)**
3. **Ranjan Kumar Ram (Training Consultant-Electrical Skills, TPSDI Maithon)**
4. **Prakash Mandal (Workshop Instructor-Mechanical Skills, TPSDI)**



3. WREL site (DMS-MMS, Surendranagar) is adjacent to the Little Ran of Kutchh, this area has water scarcity because of very Low Rainfall due to the Climatic Condition. There was a shortage of Service water in one of Urinal/Toilet in DMS Solar plant(15MW) Control room.

There is a AC in the Control room and Condensate drain was open in atmosphere before this initiative.

Team diverted the AC Condensate Drain line to Toilet and Drain outlet into a 40 Litre capacity Bucket as shown in the Picture, due to this Small Initiative now they are able to Collect around 35-40 Litres/Day water and same can be used in toilet as a service water. They haven't used any service water which was provided previously as per the original design of Toilet.

**Data****Material Used**

02 Meter long PVC Pipe (recovered from the Debris)

Saving of water

35 Litres Per day (Around 1KL Per Month) without any Man power or Material Cost.

Team members:

Harshal Desai, Devesh Patidar, Manoj Bhimani and Manoj Patole

4. Using of waste Split AC water for Plantation!

There are 3 Split AC at CGPL Mundra, Ash Control Room. Earlier its outdoor water used to flow on ground floor & create slippery condition.

Team made an open rectangular box with scrap material and put soil in this box area. AC outlet water points were connected to this box. In this open rectangular box plantation was done.

Team members:

Atyendra Gupta, Abhijit Kumar, Sandip More, DVSR Prasad and HBK Patnaik





- We should actually check if the plants need to be watered rather than just making a routine of watering them.
- Water pipeline leaks to be attended asap.
- Toilet flush with 2 settings[2 push buttons to conserve water]
- BMC/NMMC to be immediately informed about pipe line leaks
- Also check on main valve position before leaving home.
- Installation of quarter turn taps.
- Use of bucket instead of showers.

- Nair Bhagyalakshmi, DNMG Network Planning & Consumer Engg

I water plant late in the afternoon and tries to save drinking water by filling the glass half or 3/4th and not throwing the remaining water. I also donates old clothes and recycles paper which indirectly saves water requires for new manufacturing process.

- Nitin Belsare, Trombay Chemical

I always fix leaky pipes and has rain water harvesting system at home. I reuse waste water after cleaning dishes and cloths for watering plants.

- Neeraj Raj, Maithon

I always repair leaky pipes at home. I recycle paper and donates cloths.

- Mohamed Rahat, Dharavi

I use bucket for bathing than shower

- Sandesh Ramteke, Baramati (Pune)

I use RO waste water using for washing dishes

- Vipin Singh, BORL BINA

He uses Rain water harvesting to fill 1000ltr water tank which is used for domestic purpose.

- Abhijit Ghadge, Trombay

I always check taps before leaving room.

- Khileswar Rajak, Jamshedpur



I use left out water in water bottles for watering plants

Sushil Panigrahi - Mumbai

I have connected home backside floor to backyard garden so floor washing/rain water feeds the tree and thus water is being used judiciously

Akash Padhiyar - Mundra

I use low flow taps at home.

Priyanka Bhujbal - Mumbai

I use sprinklers to avoid water waste.

Aditya Mishra - Kalinganagar

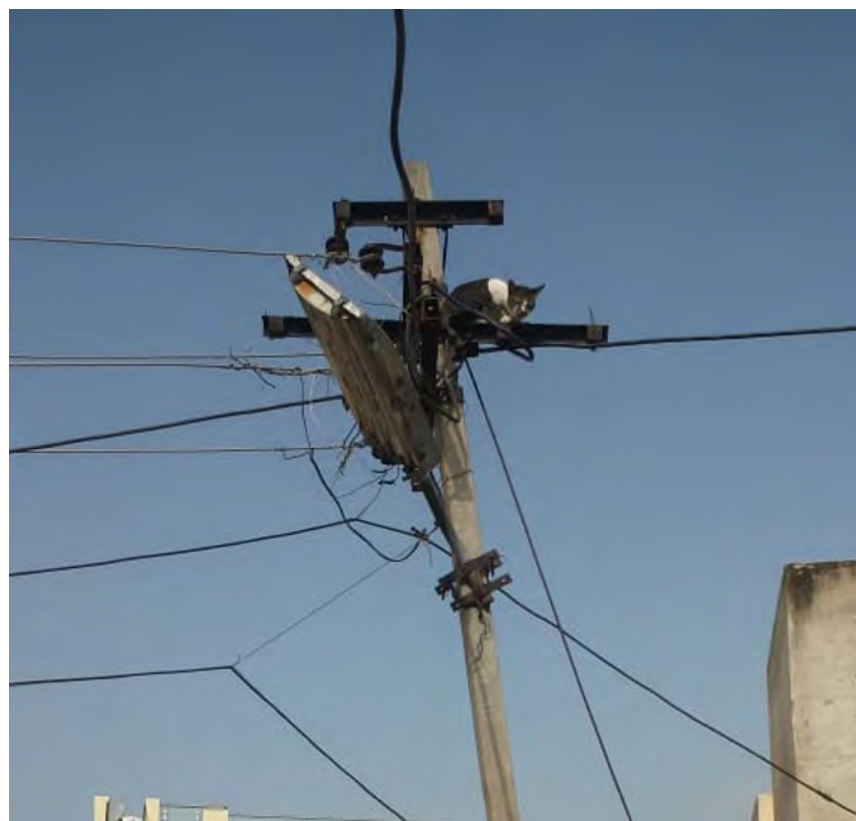
I have planted ficus trees like Pipal and umber which helps to increase water table.

Suhas Joshi - Dharavi

#ProtectAnimal

1. NCC team rescued the cat which has been trapped on LT pole in critical condition. It could have died due to live conductors. Team opened LT fuse of Distribution transformer and LT line has been isolated. Then linemen climbed on ladder & cat safely landed on ground.

Guman Singh - Lineman, **Bhagwan Singh** - Helper,
Nitesh Kudpane - ZSO, **Chandrashekhar**





2. It was 7pm, in the cloudy evening I was taking round in Boiler zero mtr area on 3rd July 2018. I saw a cobra, a little over four feet, cross the path ahead of me. The big" snake trapped in side the beam .

I thought that 'rescuing' snakes from situations where people might kill them was the right and noble thing to do. So I call the fire team for the support. They rescued the snake and we released it into it's 'natural habitat'.

Girish Samal, MPL

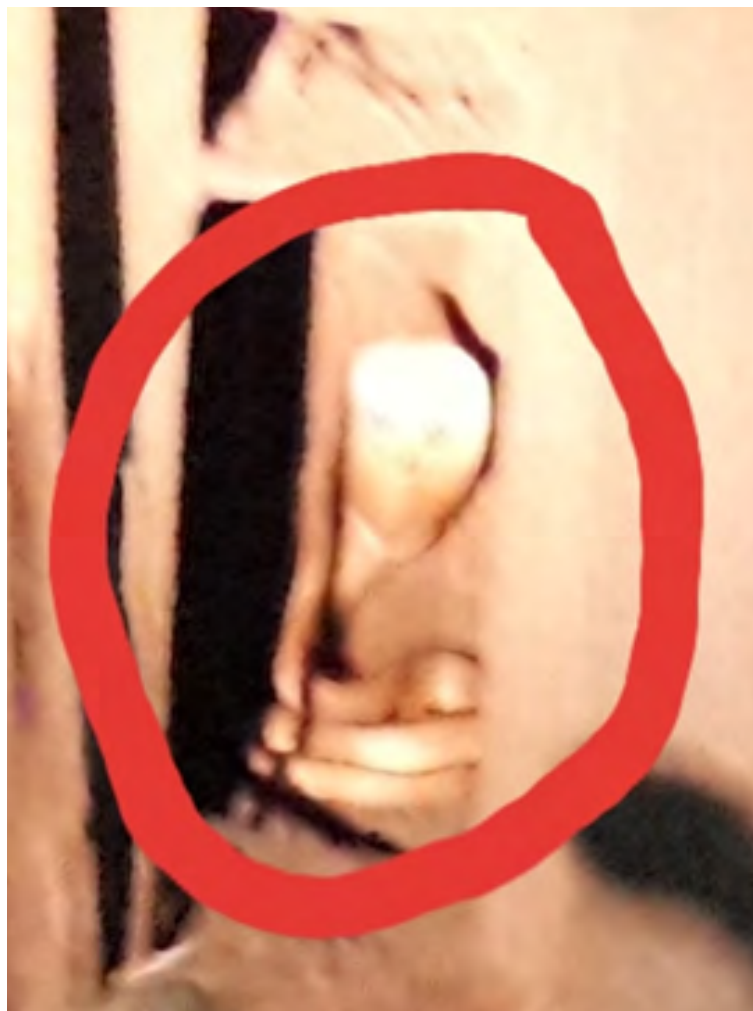
Rawel Kerketta, Fire supervisor

Sajjan kr. singh, DCPO

Akash sharma, Fire man

Navin kr. Thakur, Fire man

Birendar kumar, Fire man



3. Bird feeder made from plastic bottle
by **Mr. Vala Virendrasinh - CGPL**

GREEN QUIZ

Quiz

1 Who is the 'Waterman of India'?

3 Which was the second hottest month in 137 years?

- A. May 2016
- B. May 2017
- C. April 2017
- D. March 2017

2 What are the sources of Microplastic Pollution?

4 Sangai "dancing" deer are found in which part of NE?

- A. Myanmar
- B. Manipur
- C. Nagaland
- D. Assam

Send in your answers to
greenolution@tatapower.com



Winner of Greenolution Quiz -
June 2018 -
Ms Albuquerque Rochelle





Rajani kumar, Tata Power Solar



Gopal Koulgi, Tata Power Solar