

### Rayat Shikshan Sanstha's Shri Sadguru Gangageer Maharaj Science, Gautam Arts and Sanjivani Commerce College, Kopargaon, Dist. Ahmednagar. 423601





REPORT ON WASTE MANAGEMENT

#### Report on Solid, Liquid and E-Waste Management

Shri Sadguru Gangageer Maharaj Science, Gautam Arts and Sanjivani Commerce College Kopargaon is keen for maintaining the cleanness in campus. The solid, liquid and chemical waste management systems are operational in our campus:

- Solid Waste Management: Separate dustbins are kept at different places in the campus to collect the solid waste from all the departments, library as well as classrooms. The degradable and non-degradable waste is separated. The large plant wastes are cut into small pieces with the help of chaff Cutter Machine and used for vermi-compost purpose. The college has vermi-compost unit with two beds of 4×16×4.5 feet size. The name of species of earthworm used is Eudrilucs eugeniae. 20 Kg of compost is produced in each bed after each 2.5 months. The compost obtained is used as a fertilizer for plants in college campus. The kitchen waste from Girl's hostel mess facility is degraded in a bio gas plant. Other non-biodegradable and non-recyclable waste is picked up by Kopargaon Nagar Parishad Pick-up van. The paper waste from office and departments is given to scrap paper collector for recycling purpose. To avoid the misuse of apparatus, instructions are given to the students by teachers. Campus is declared as plastic and tobacco free zone.
- Liquid Waste Management: The chemistry practicals are carried out on micro scales and by using green methods so as to reduce the waste. The waste water generated from chemistry laboratory is filtered and purified in Effluent Treatment Plant. Then it is used for watering the plants. The waste water generated from the hostels is filtered and used for watering the plants. The rain water is collected and used for rain water harvesting and bore well recharge.
- **E-waste Management:** Our mother institute Rayat Shikshan Sanstha has made an agreement with Mahalaxmi recyclers, Kolhapur. The E-waste is given to them for proper disposal. The repairable electronic devices like computers and printers are repaired regularly.

# **Photographs of the Facilities**

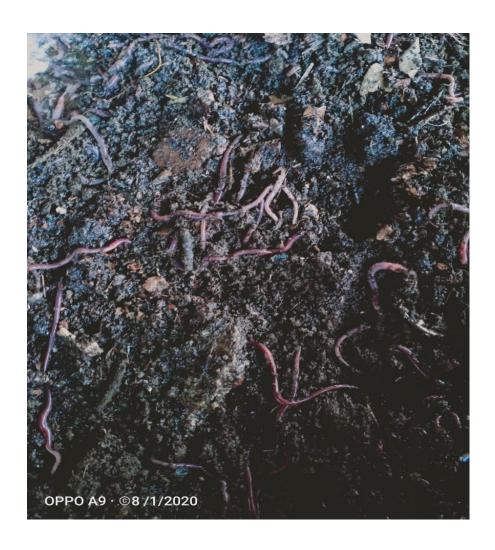
### 1. Chaff Cutter Machine





# 2. Vermi-compost Unit





Eudrilus eugeniae Species of earthworm

# 3. Bio-gas Plant



**Biogas Plant at Ladies Hostel** 

#### 4. Effluent Treatment Plant

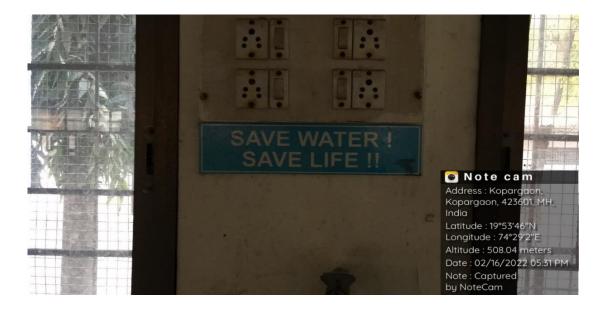


**Effluent Treatment Plant** 



**Effluent Treatment Plant** 

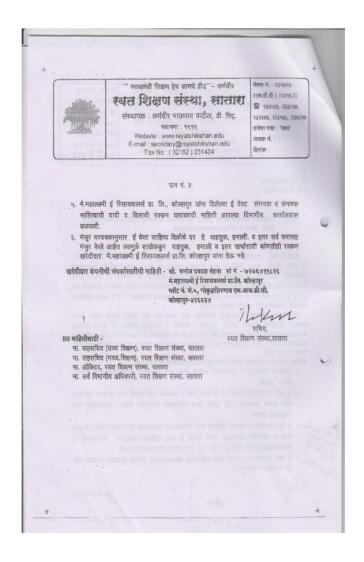
# 5. Initiative to reduce generation of waste water



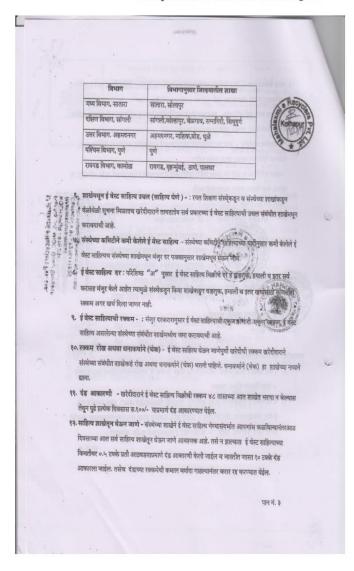
**Instruction Boards in Laboratories to save water** 

### 6. E-Waste Agreement

#### Agreement of Rayat Shikshan Sanstha with Mahalakshi E-Recyclers Pvt. Ltd. Kolhapur



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