

SRI MAHAYOGI LAKSHMAMMA GOVERNMENT DEGREE COLLEGE



(Affiliated to Rayalaseema University, Kurnool.)

Near Hanumapuram, Adoni Road, YEMMIGANUR-518 360

Kurnool District, Andhra Pradesh.

e-mail: yemmiganur.gdc@gmail.com website: www.gdcyemmiganur.ac.in



7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words)

- Solid waste management
- Liquid waste management
- Biomedical waste management
- E-waste management
- Waste recycling system
- Hazardous chemicals and radioactive waste management

Waste management is one of the prime concerns of the institution. This institution has a permanent mechanism for eliminating or minimizing the wastage on the campus, be it of time, power, paper or water. However, where wastage is inevitable and unavoidable, it is managed quite effectively. It is either deposited safely or recycled successfully for the benefit of nature and community.

Solid Waste Management:

The main Solid wastes on the campus include wastepaper, litter and disposables. The biodegradable waste is shifted to the Vermicompost and Compost pit and the manure is used for development of Botanical gardens and plantations in the campus. The non-degradable wastes are separated into recyclable and disposable ones.

Liquid Waste Management:

The waste water generated by RO Plant is being channelized to plantations. The college is situated in a low lying area with elevated roads with a small hill habitat. To absorb the rain water, there constructed two rainwater harvesting pits at pivotal points in the college. This water helps to raise the level of ground water table for the bore-wells in the college and surrounding areas as well.

E-waste Management:

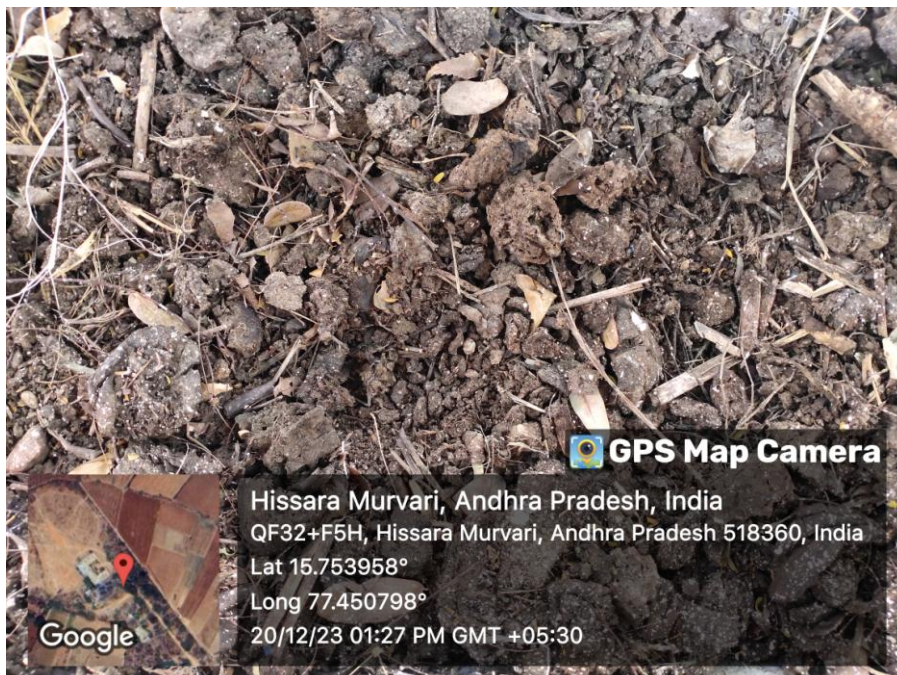
The electronic waste is set apart for reuse, resale, recycling or disposal.

7.1.3 Management of Waste





Vermicompost unit



Decomposing Organic matter in Vermicompost unit



 **GPS Map Camera**

Hissara Murvari, Andhra Pradesh, India

QF32+F5H, Hissara Murvari, Andhra Pradesh

518360, India

Lat 15.752812°

Long 77.451524°

18/03/23 01:51 PM GMT +05:30

Google

RAINWATER HARVESTING PIT

Rain water harvesting structures

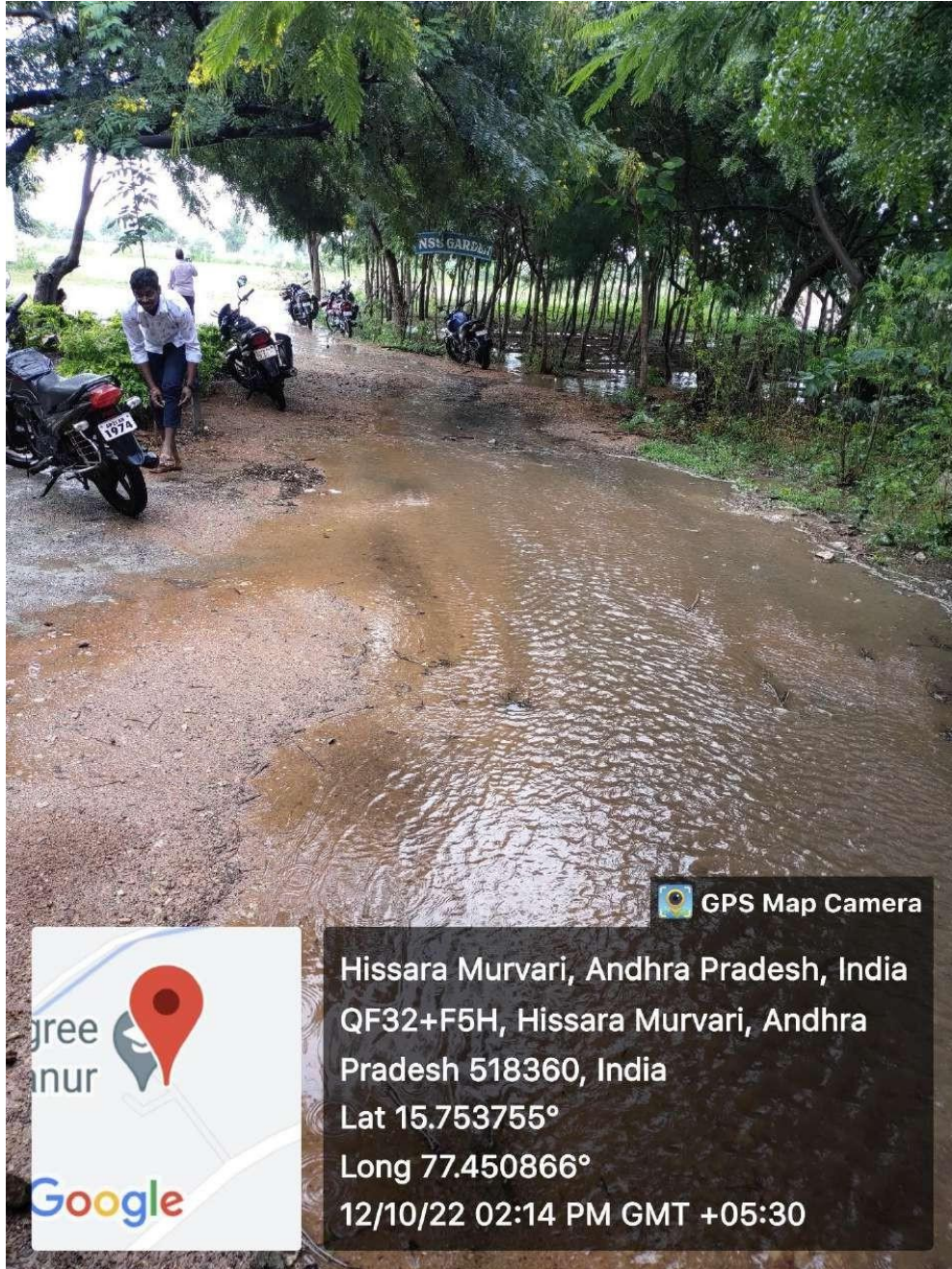
The institution has a built in roof water harvesting and flood water management through percolation pits. These pits are useful for garden watering as an alternative to fresh water. There are several other benefits such as providing back up source of water, reducing erosion of ground, flooding around the building and raising the water table. The main advantage of these percolation pits is that it requires low upfront capital investment and they are easy to maintain.

The college is situated in a low lying area with elevated roads and with a small size natural hill habitat. As such, every drop of water running down the uplands is likely to flow into the college ground. Especially, during the rainy season, a lot of rain water floods the campus from all directions. To hold and absorb this running water, there constructed two rainwater harvesting pits at pivotal points in the college. This water helps to raise the level of water table for the bore-wells in the college and surrounding areas.

Roof Water Harvesting:

This provides an opportunity to harvest a lot of rain water flowing down the roofs. The roof tops were made to slope towards one direction where all the rain water is made to collect and flow down. This water is brought down through pipe lines and it is channelized to plantations. The Chemistry department so utilizes the roof water as distilled water for some of its lab purposes.

7.1.2 – 3. Water Conservation

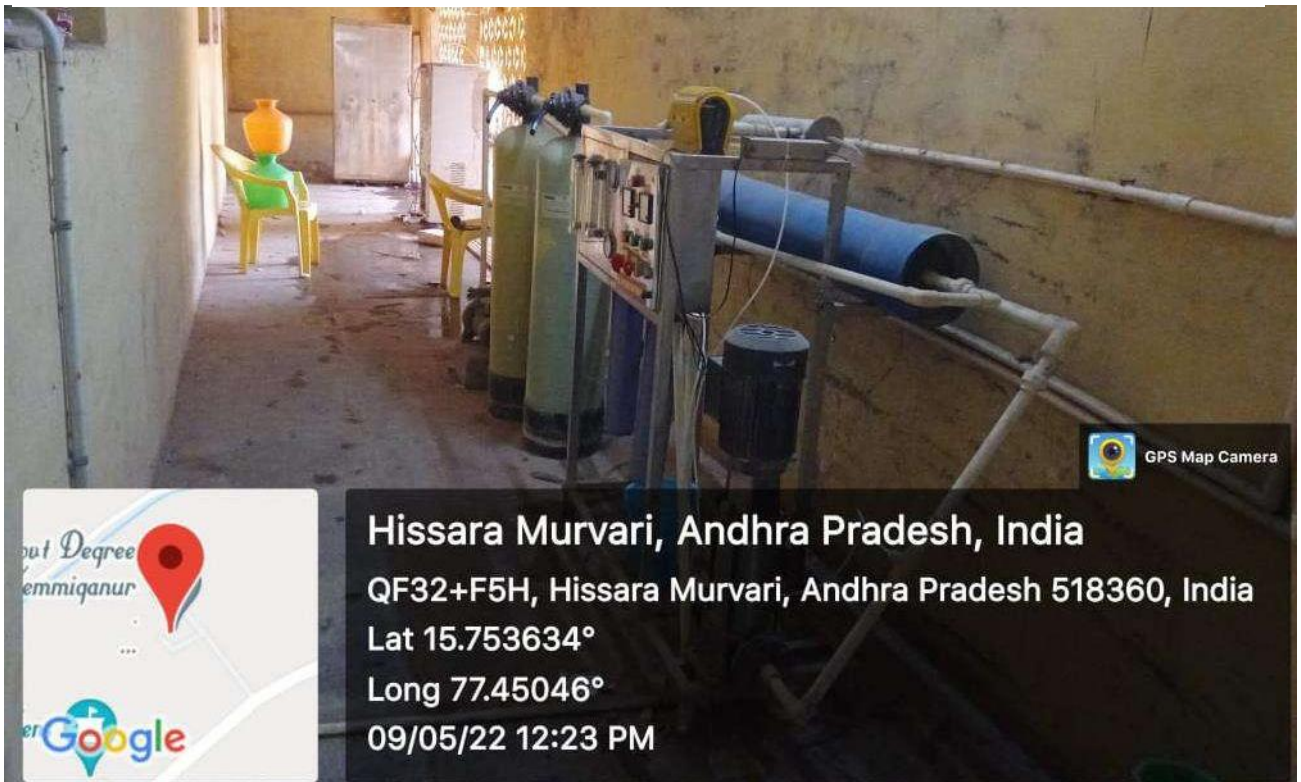


Runoff of Rain water is channelized to Water Harvesting Pits



Hissara Murvari, Andhra Pradesh, India
QF32+F5H, Hissara Murvari, Andhra Pradesh
518360, India
Lat 15.752812°
Long 77.451524°
18/03/23 01:51 PM GMT +05:30

Water Harvesting Pit



Hissara Murvari, Andhra Pradesh, India
QF32+F5H, Hissara Murvari, Andhra Pradesh 518360, India
Lat 15.753634°
Long 77.45046°
09/05/22 12:23 PM

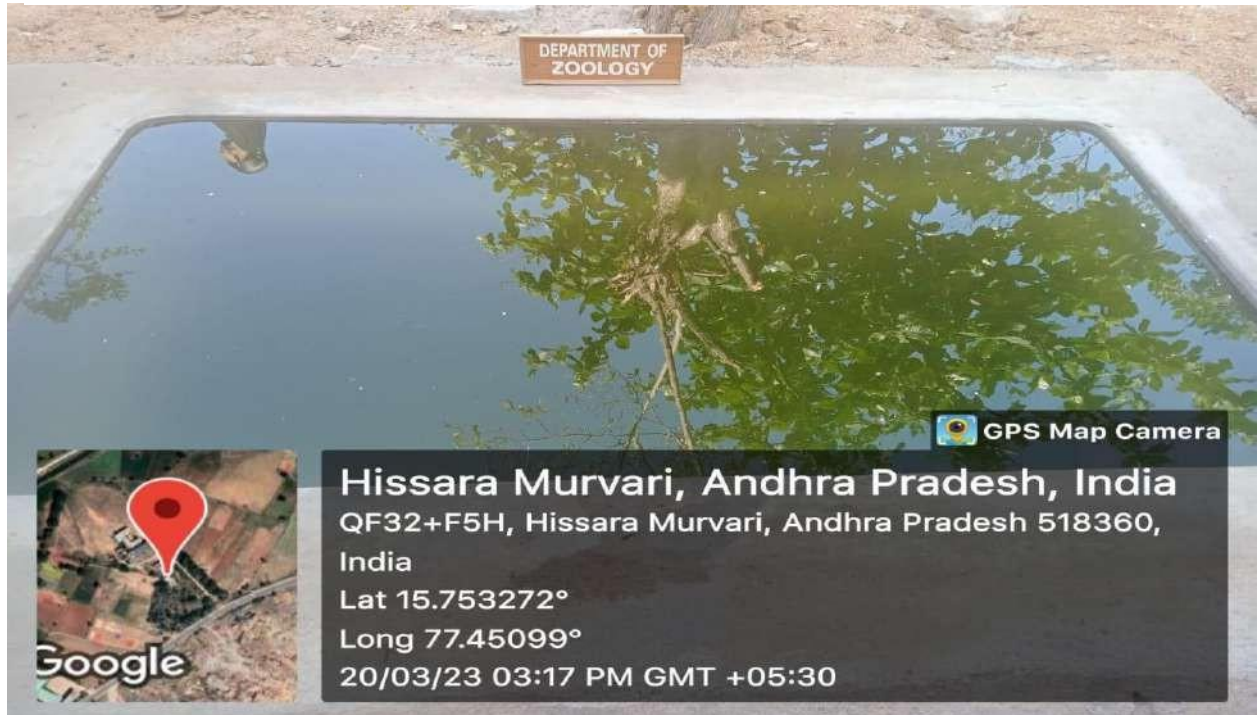
R.O. Water Plant in the campus



Waste water generated through R.O. plant is channelized to plantations



channel to plantations



Roof water also channelized to Fish pond near Department of Zoology.



K. Mahabode Basha
(DR. K. MAHABODE BASHA)
PRINCIPAL
SRI MAHAYOGI LAKSHMAMMA
GOVT. DEGREE COLLEGE
YEMMIGANUR - 518360.
Kurnool (Dist.) A.P.