

7.1.3. FACILITIES IN THE INSTITUTION FOR THE MANAGEMENT OF THE FOLLOWING TYPES OF DEGRADABLE AND NON-DEGRADABLE WASTE

**PAVANATMA COLLEGE
MURICKASSERY**



**ENVIRONMENTAL CONSCIOUSNESS AND
SUSTAINABILITY**

7.1.3

**FACILITIES IN THE INSTITUTION FOR THE
MANAGEMENT OF DIFFERENT TYPES OF DEGRADABLE
AND NON-DEGRADABLE WASTE**

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FACILITIES IN THE INSTITUTION FOR THE MANAGEMENT OF DIFFERENT TYPES OF DEGRADABLE AND NON-DEGRADABLE WASTE

7.1.3

QIM 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

Provide web link to

- Relevant documents like agreements/MOUs with Government and other approved agencies
- Geo tagged photographs of the facilities
- Any other relevant information

RESPONSE

- | | |
|--|------------------|
| • Solid waste management | - Yes, Available |
| • Liquid waste management | - Yes, Available |
| • Biomedical waste management | - Yes, Available |
| • E-waste management | - Yes, Available |
| • Waste recycling system | - No |
| • Hazardous chemicals and radioactive waste management | - No |

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SOLID WASTE MANAGEMENT

- **Biogas Plant:** The major part of the food waste created on the college hostel is used in the biogas plant to produce renewable biogas energy. This energy is used in the kitchen for cooking.
- The food waste is also used for **poultry and piggery**.
- Solid bio-waste is used for **vermicomposting** and the **compost** is used for herbal gardening.
- There are separate bins for **degradable** and **non-degradable** waste in each class room,
- The waste from the various rooms are collected in the **waste segregation centre** and scrutinized for segregation.
- The segregated waste is **sent to an outside agency for recycling**

LIQUID WASTE MANAGEMENT

- Liquid waste is generated in the wash areas (bath rooms, toilets), labs, canteen and snack area
- **Wastewater passes through drains** and gets absorbed into the earth midway through the college ground.

E-WASTE MANAGEMENT

All Electronic waste- CPU's, Hard disks, Laboratory Equipment scrap is sent to the market for sale. The cartridges of printers are refilled. The college also encourages use of refill inkjet cartridges and laser toners. The monitors have been upgraded to power efficient LCD from CRT ones. Also the college execute MOU with Northamps ENV Solutions, Cochin regarding e-waste management.



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WASTE PIT



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WASTE BIN



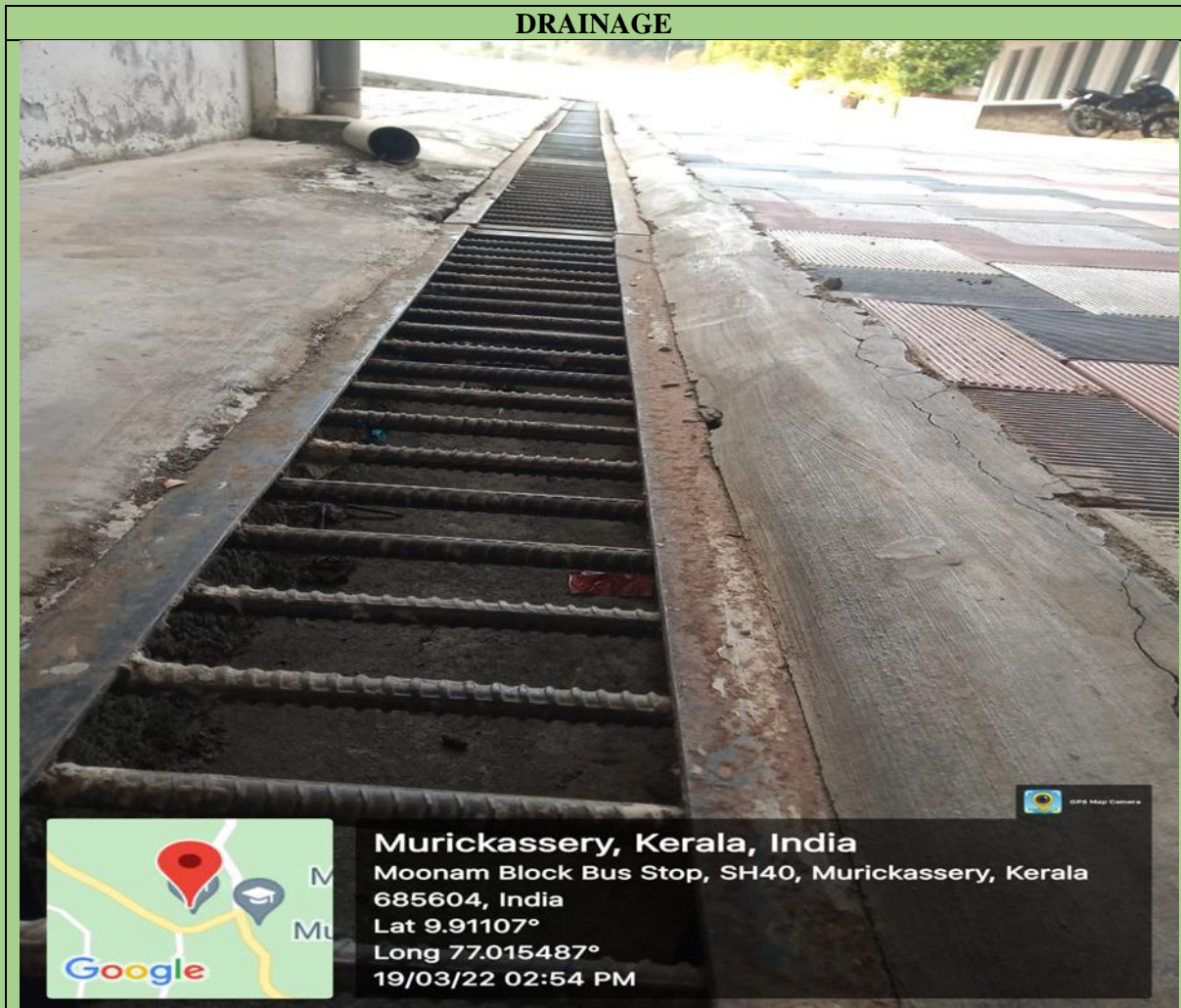
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WASTE DISPOSAL PIT

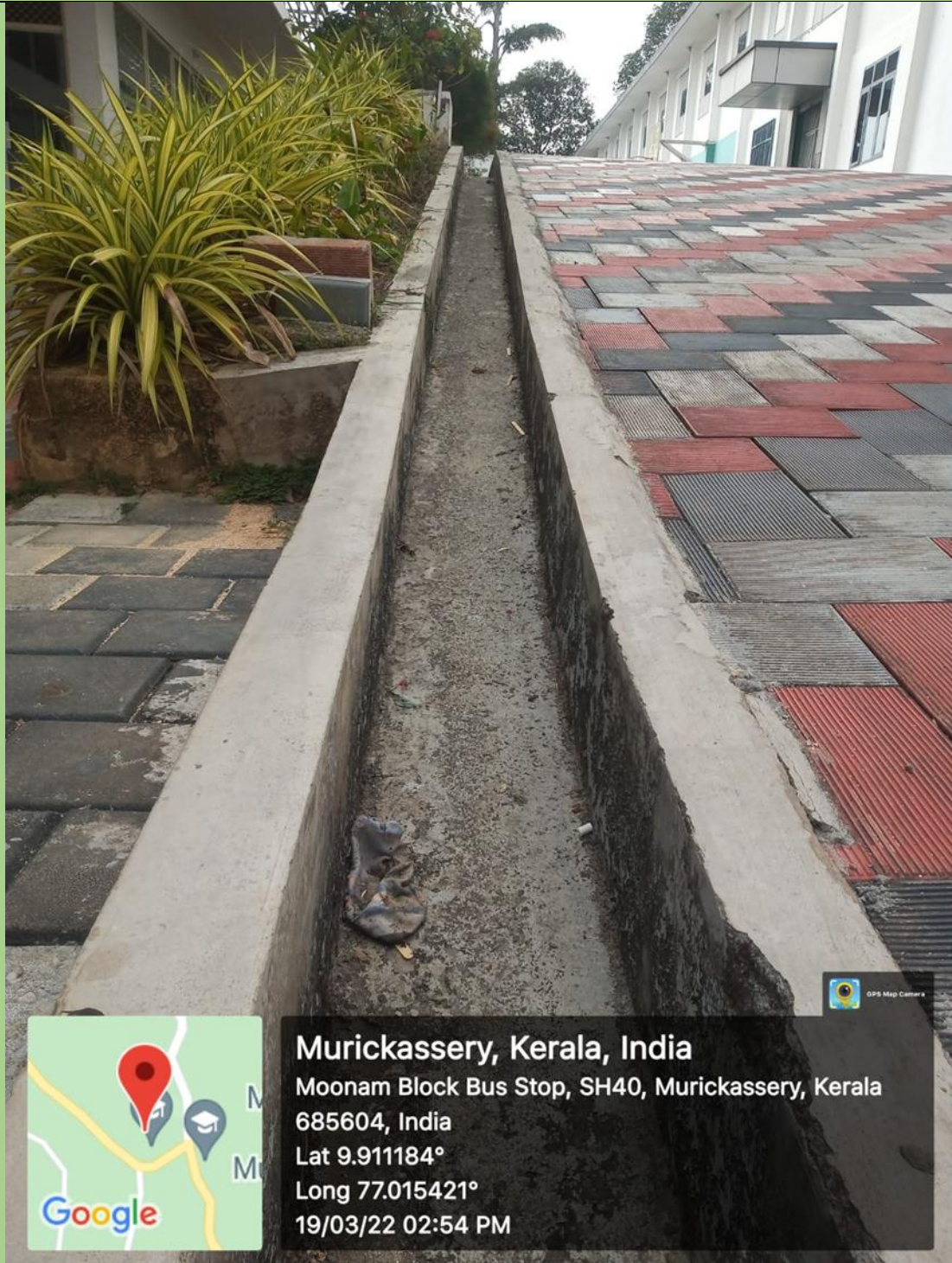


DRAINAGE

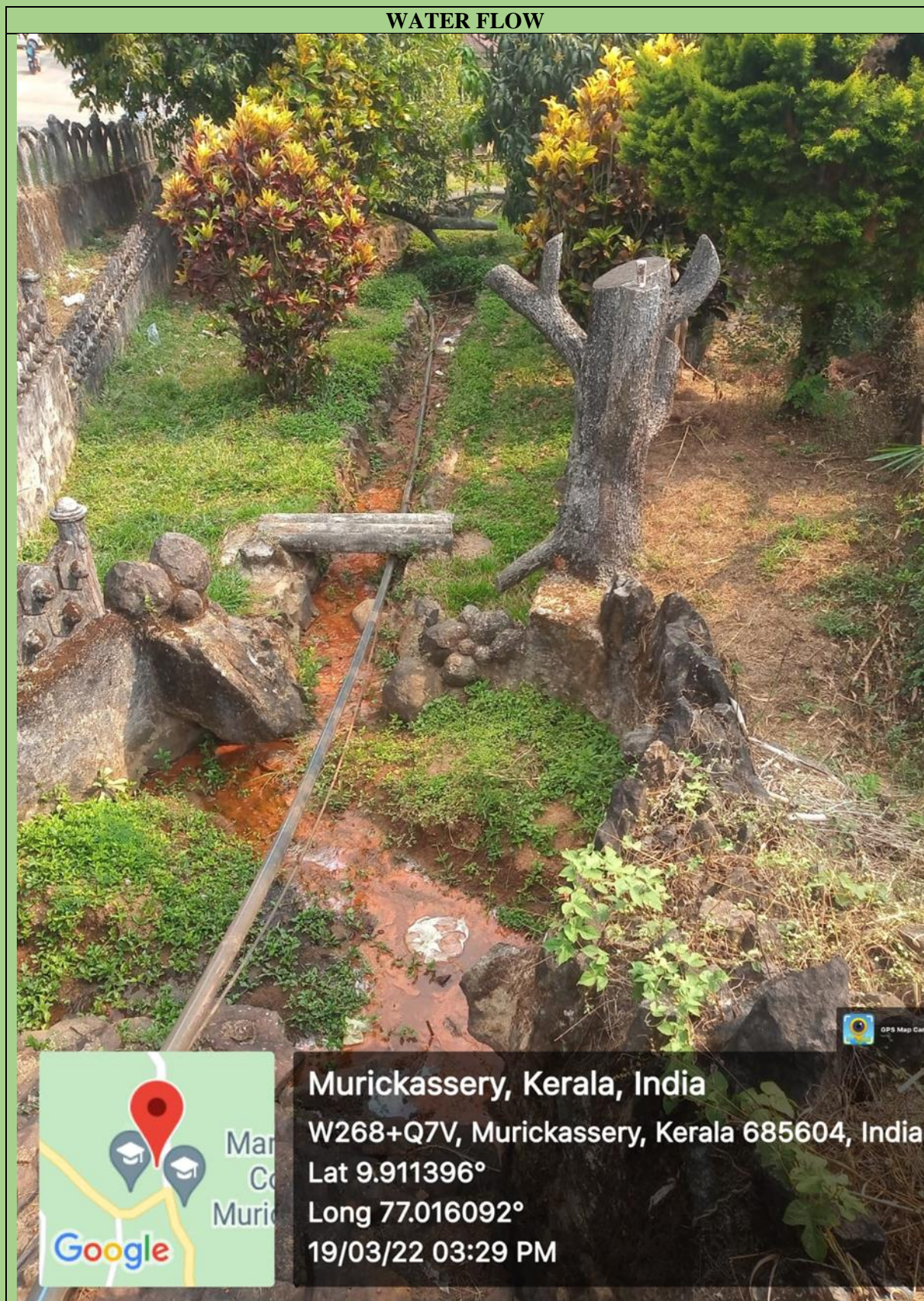


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DRAINAGE



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