



Awarded 'A' Grade by APSCHE, ISO 9001-2008 certified Institute
(Approved by AICTE and Affiliated to JNTUK - Kakinada)
Chirala, Prakasam District, Andhra Pradesh, India. Pin – 523157

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

1. Solar energy
2. Biogas plant
3. Wheeling to the Grid
4. Sensor-based energy conservation
5. Use of LED bulbs/ power efficient equipment

Solar Energy




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Ref

Date

INVOICE

DATE: 30-03-2018
Invoice No: EST/CEC/01
GST NO: 37AACCF4706F22U

Billing Name & Address
Chirala Engineering College (G.S.R & T.S.R Educational Society)
Chirala, Prakasam District
Andhra Pradesh

Site Address:
Chirala Engineering College
Chirala, Prakasam District
Andhra Pradesh

PO No. 4600006775

PO Date 10.10.2017

NO. DESCRIPTION OF MATERIAL	Units	Qty	Rate	Amount
1 Solar Power Generating System HSN/SAC - 85000000	KW	250	61904.76	1,54,76,190.00
Base Amount				1,54,76,190.00
CGST @ 2.5%				3,86,904.75
SGST @ 2.5%				3,86,904.75
Round off				0.00
Grand Total:				1,62,50,000.00

(Rupees - One Crore Sixty Two Lakhs and Fifty Thousand Only)

For Fusion Solar Technologies Pvt Ltd

(Signature)
Authorised Signatory

Fusion Solar Technologies Pvt Ltd

H.No.1-125, Koppolu Village, Ongole, Prakasam District, Andhra Pradesh-521001



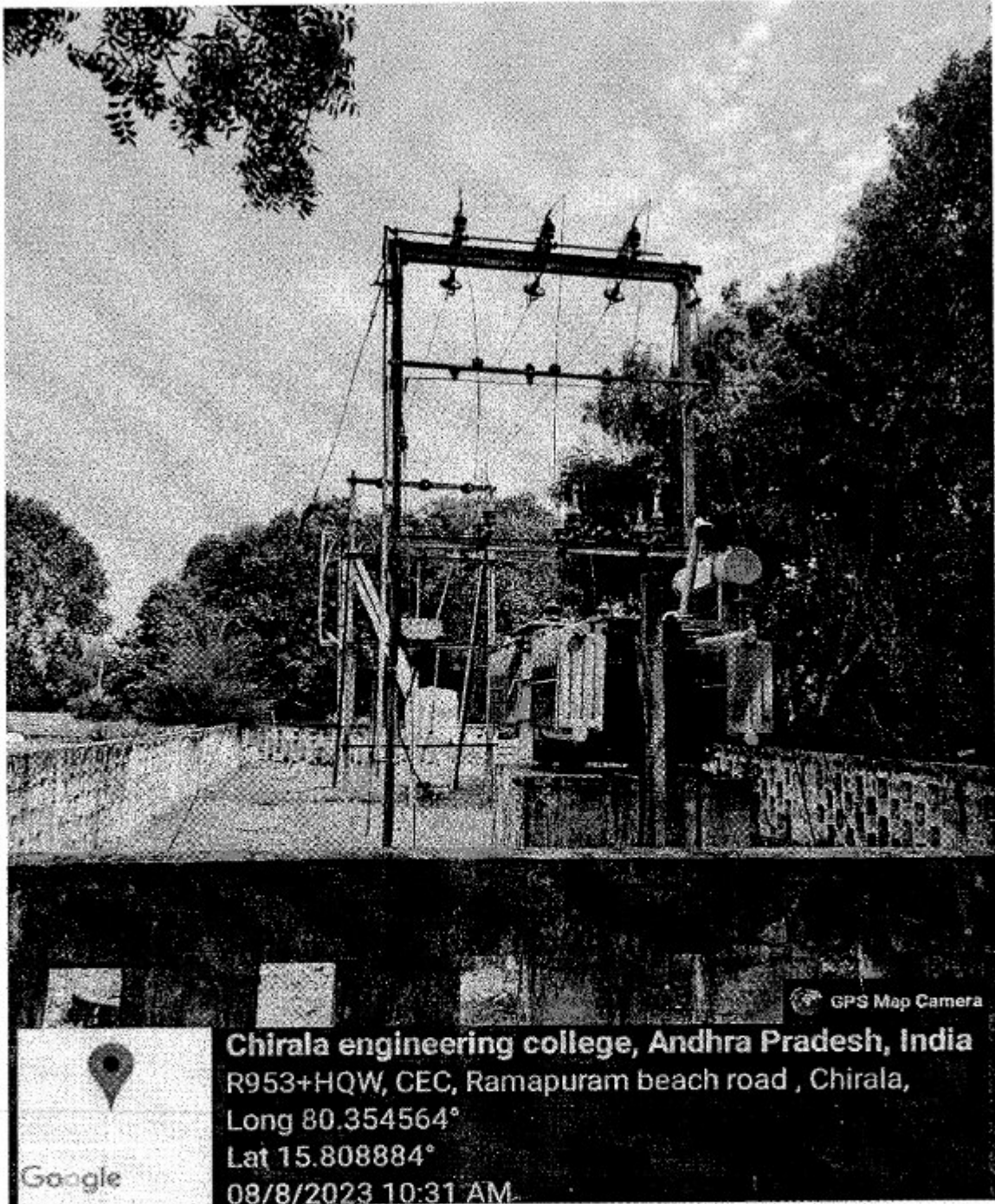
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BIO-GAS



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Wheeling to the Grid



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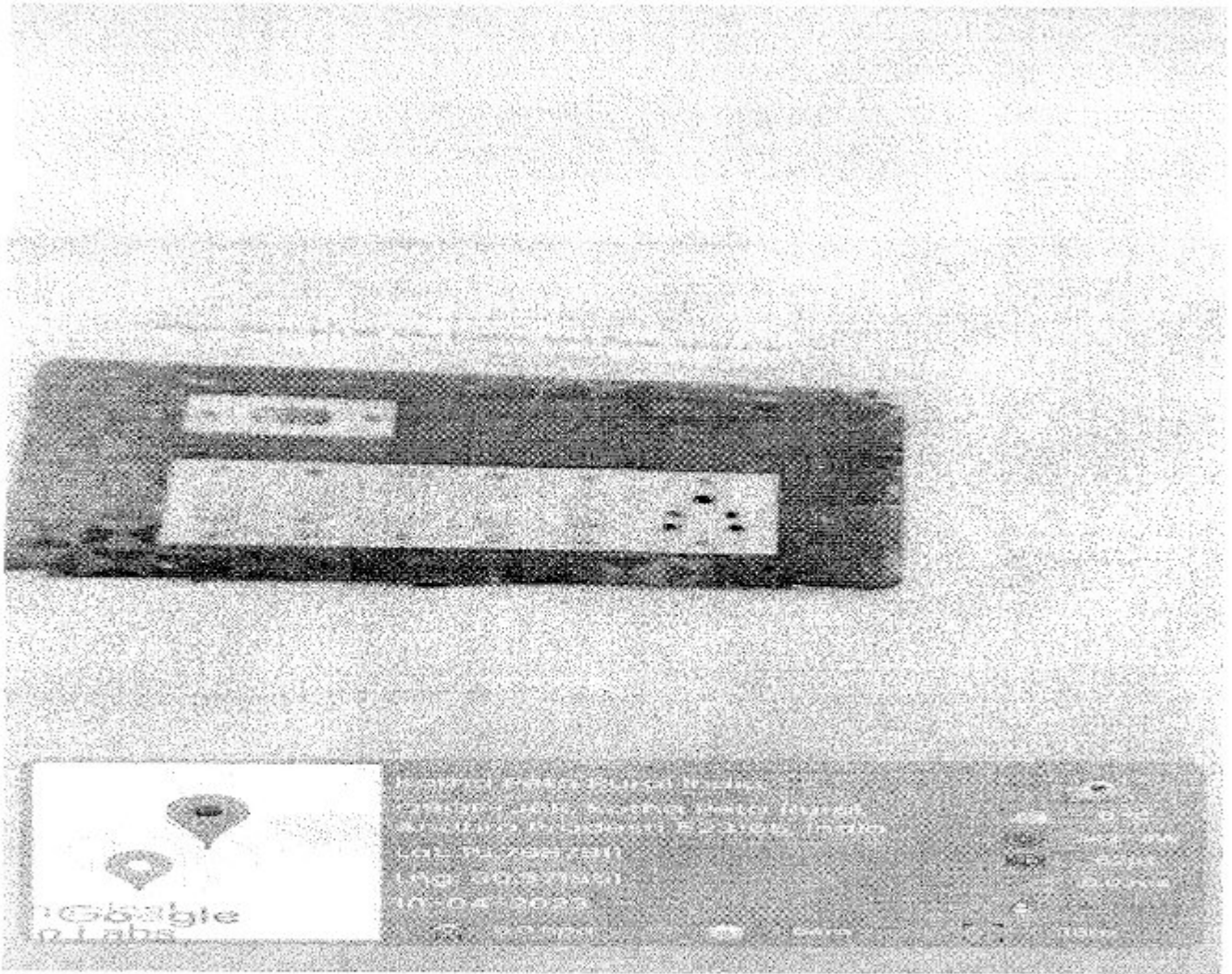


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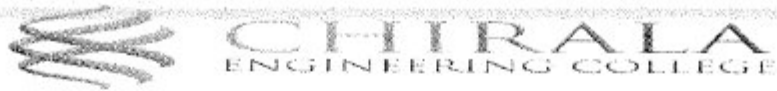
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Solar Energy

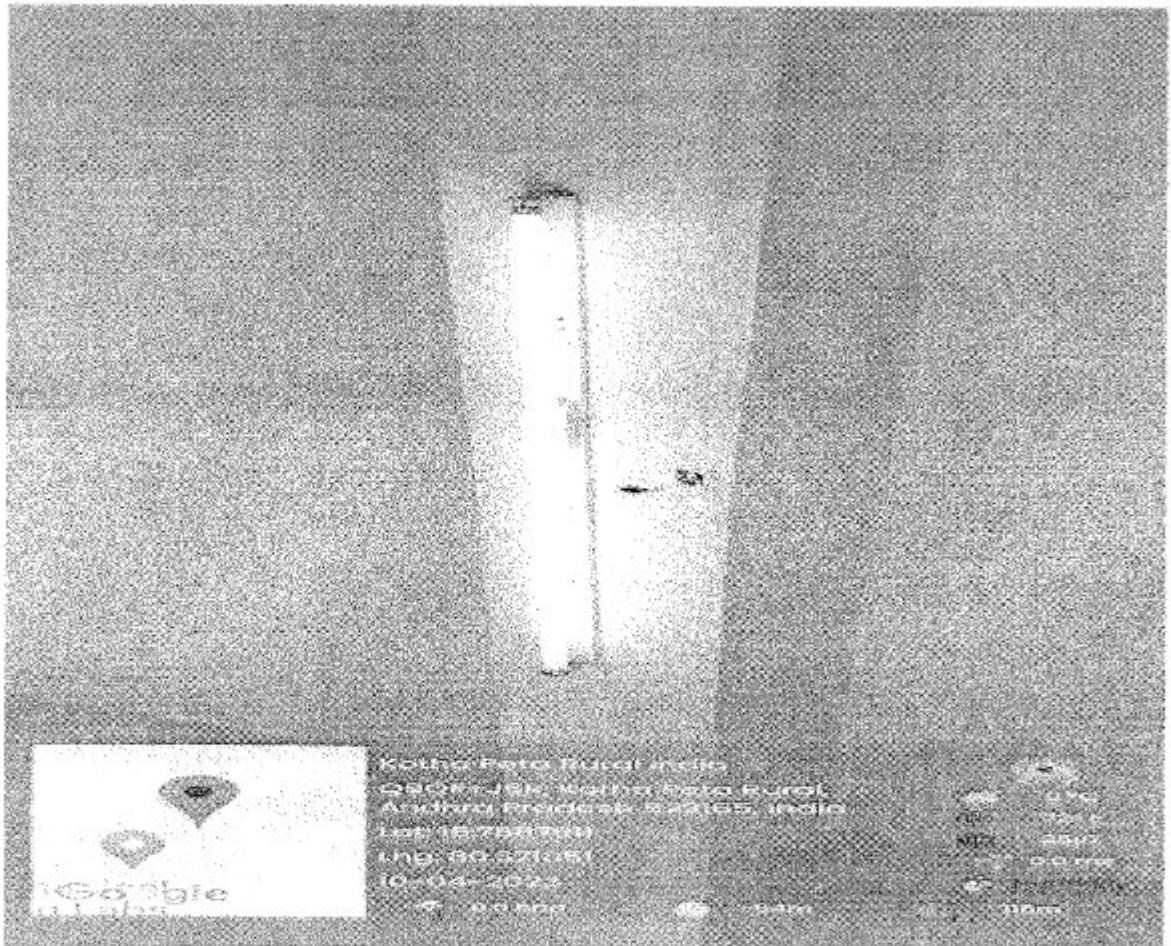


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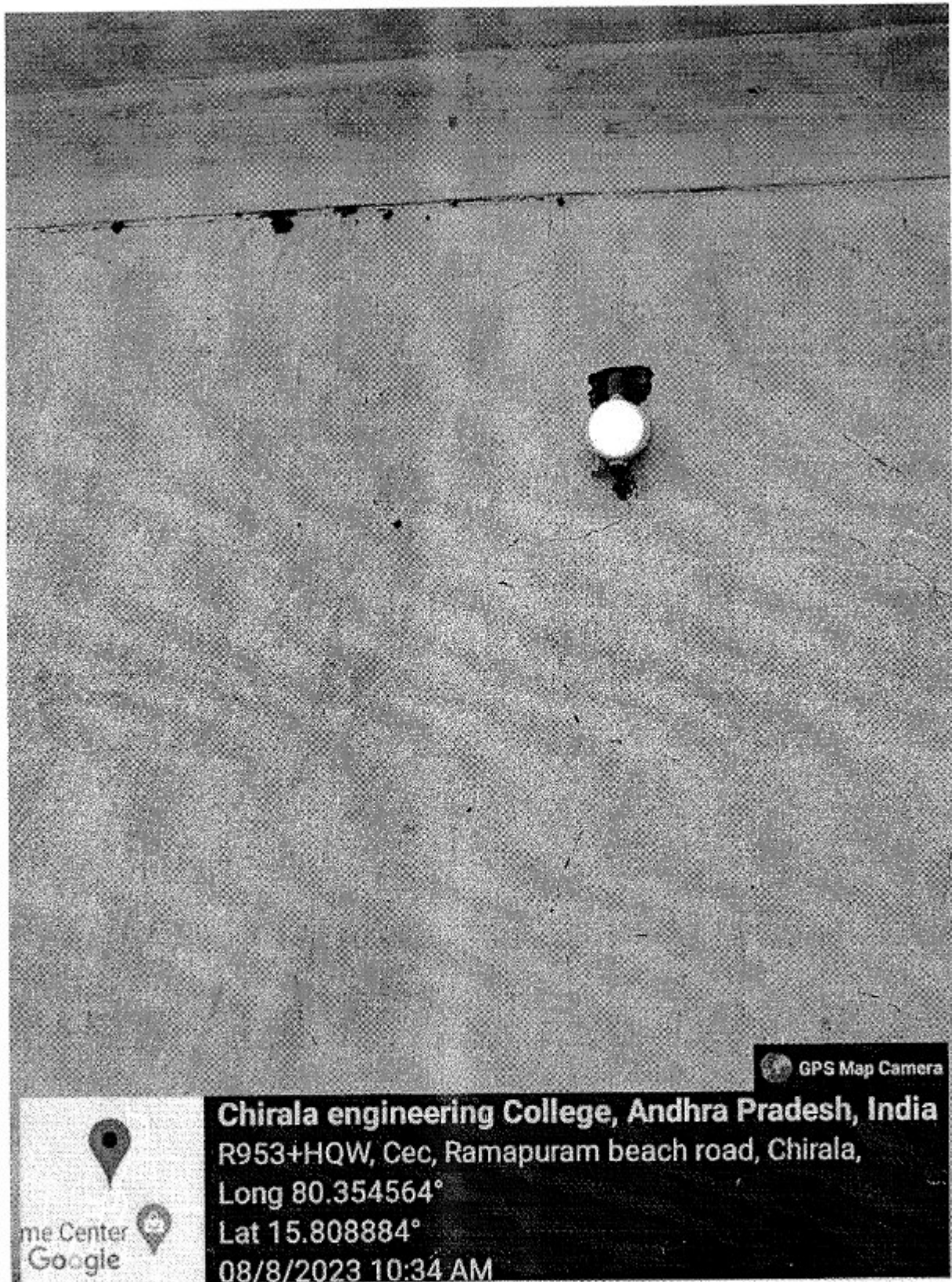
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Solar street light



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Use of LED bulbs/ power efficient equipment



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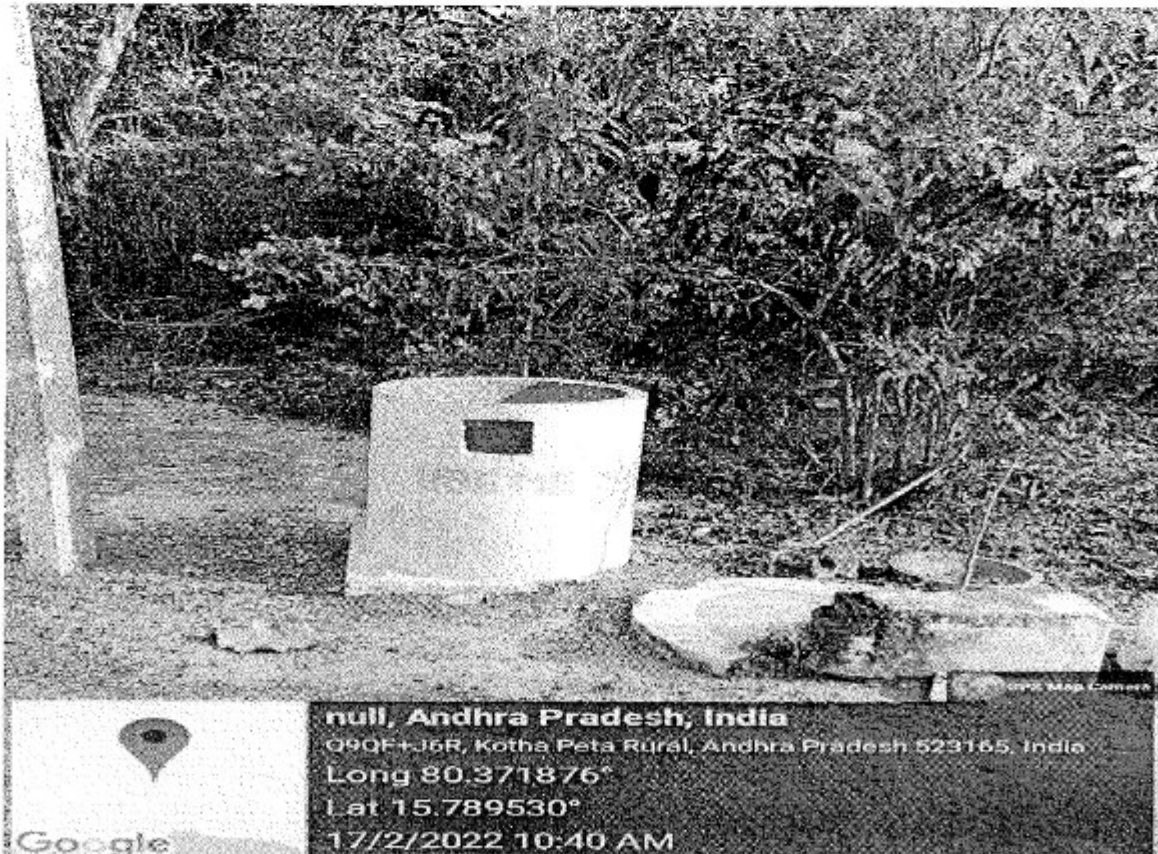
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7.1.2 Describe the facilities in the institution for the management of the following types of degradable and non - degradable waste .

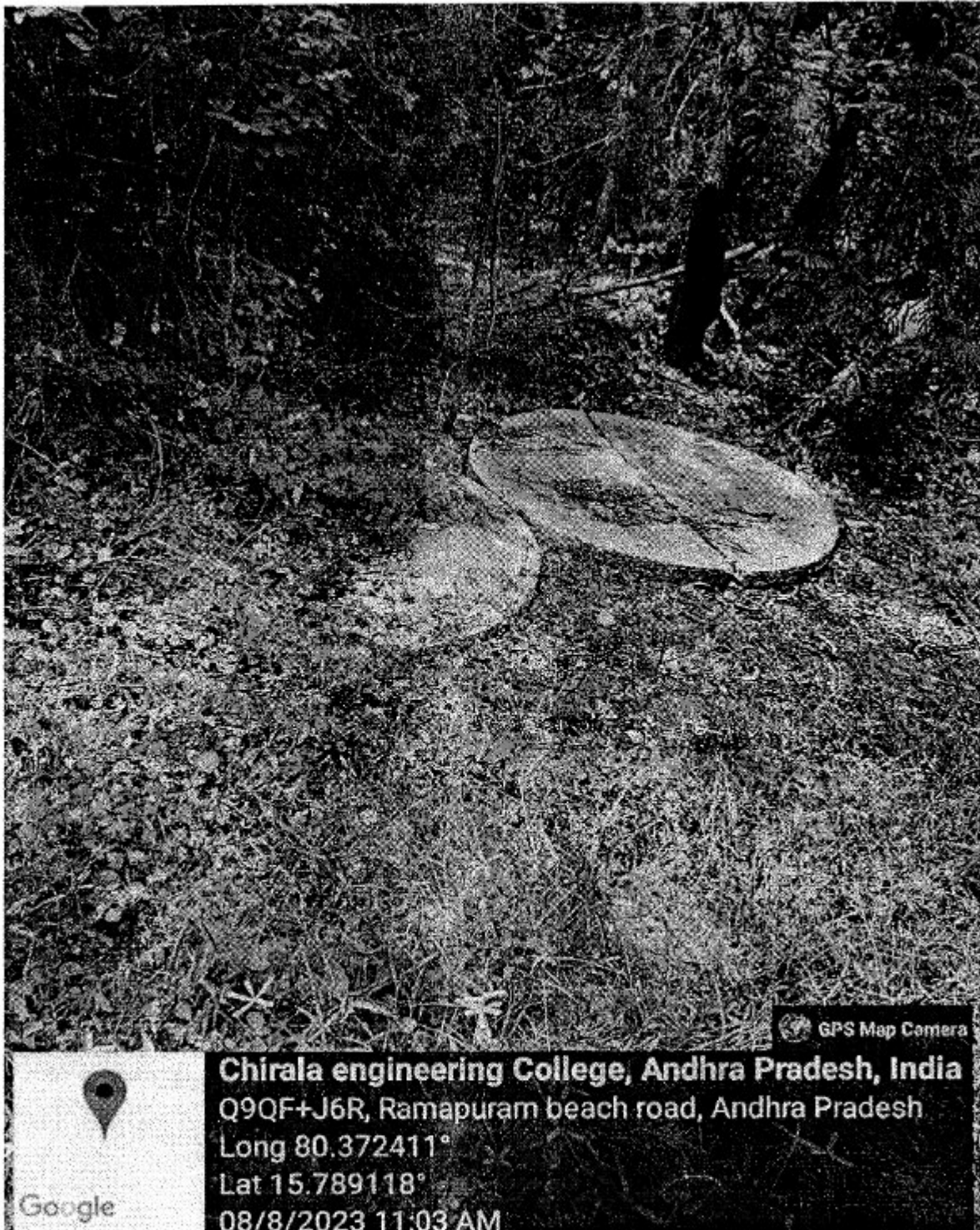
- Solid Waste Management
- Liquid Waste Management
- E-Waste Management
- Waste Water Recycling System

Solid Waste Management



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Liquid Waste Management

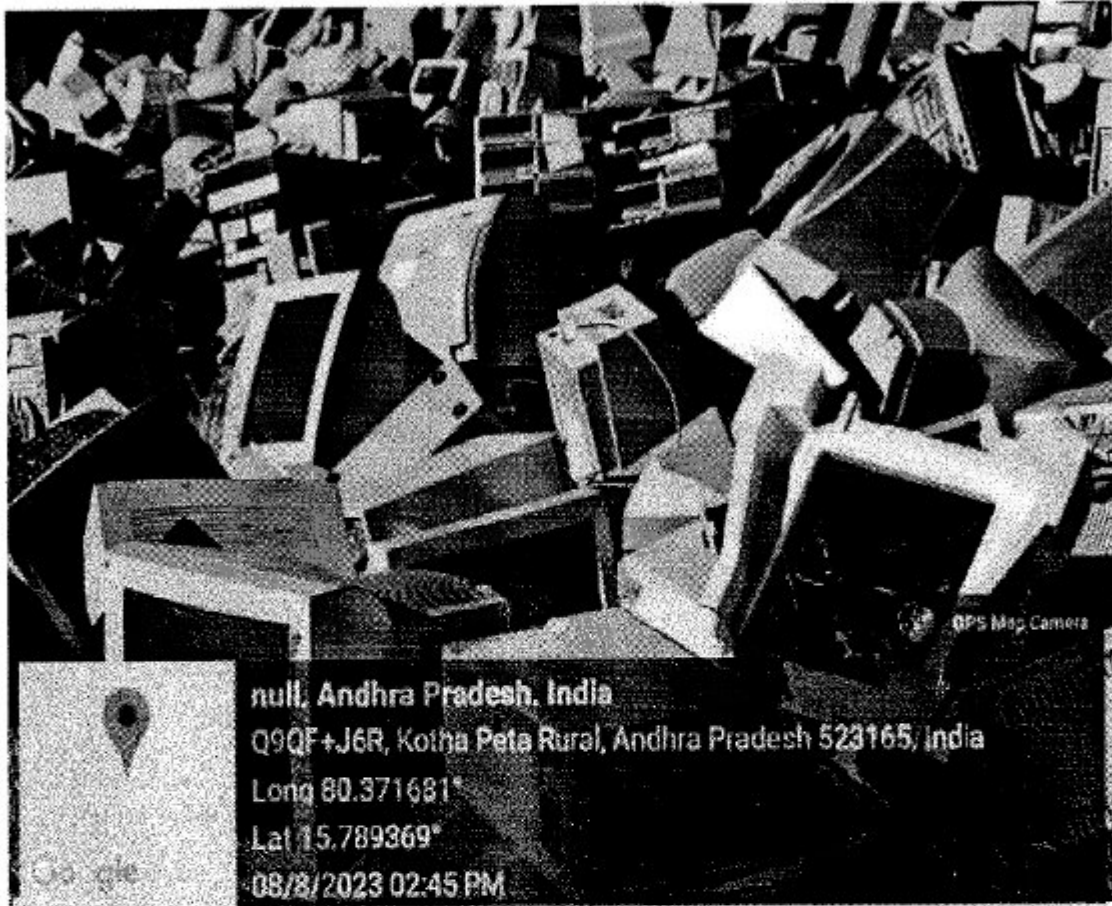


Chirala engineering College, Andhra Pradesh, India
Q9QF+J6R, Ramapuram beach road, Andhra Pradesh
Long 80.372411°
Lat 15.789118°
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E-Waste Management



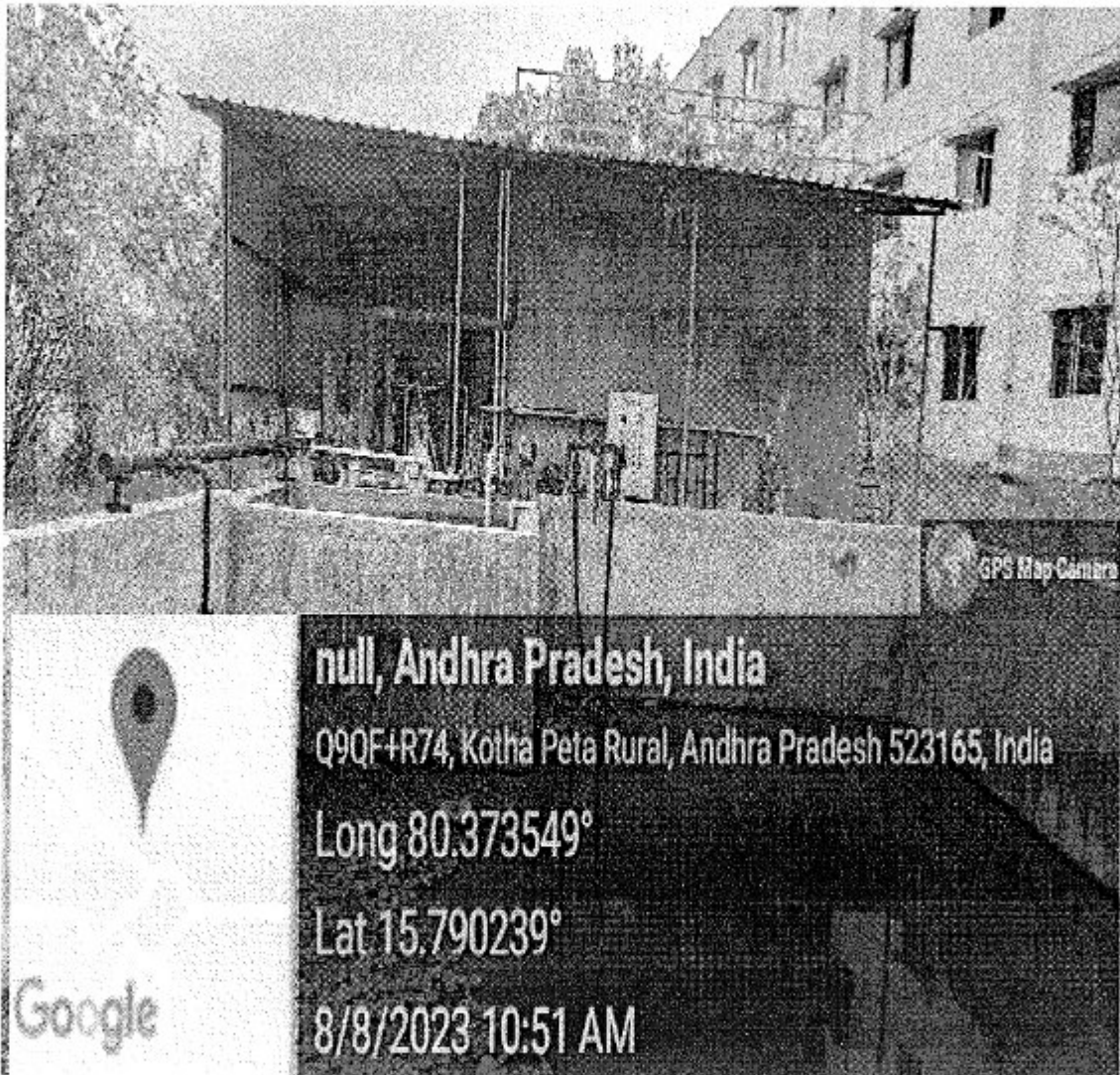
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Waste Water Recycling System



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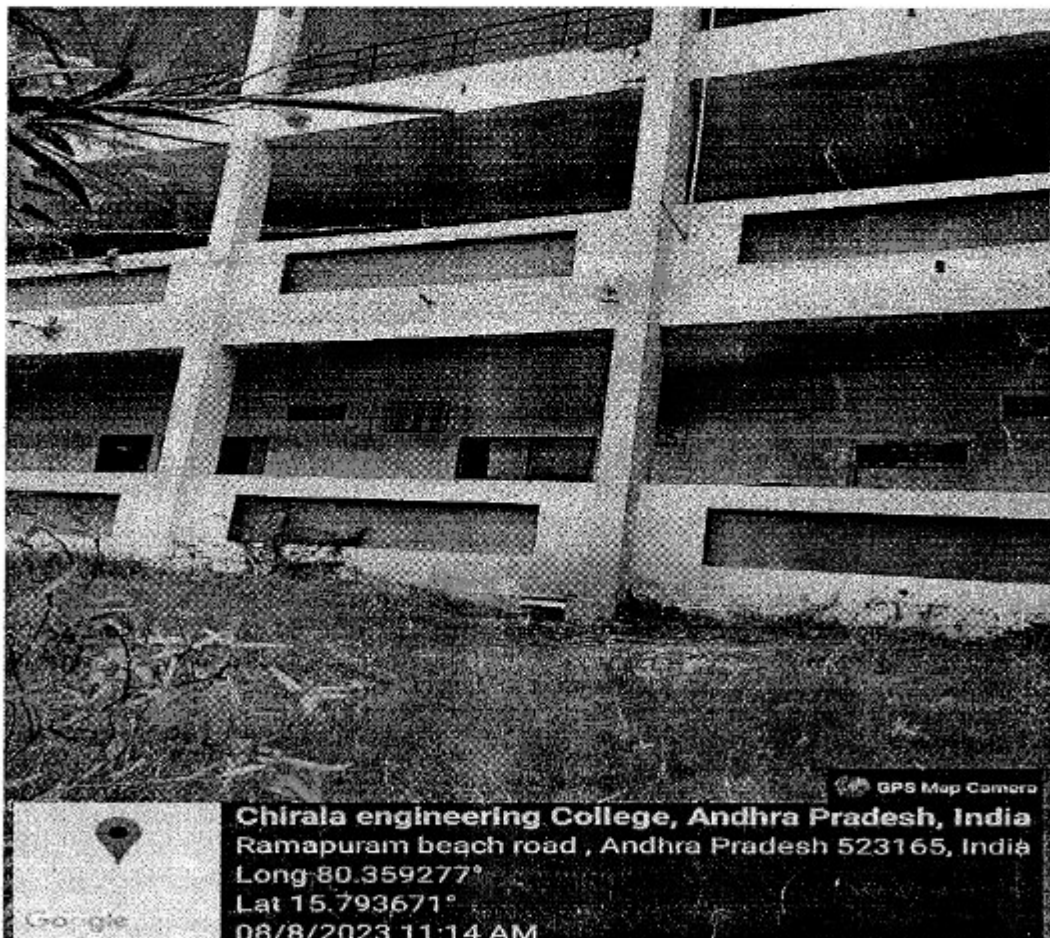
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7.1.4, Water conservation facilities available in the Institution:

1. Rain water harvesting
2. Borewell /Open well recharge
3. Construction of tanks and bunds
4. Waste water recycling
5. Maintenance of water bodies and distribution system in the campus

Rain water harvesting



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A.Y: 2022-2023

Rain Water Harvesting

Rainwater collected from building roofs is gathered in the building blocks' interior gardens. Some rainwater is directly absorbed into the ground, while some is used for vegetation development. The majority of the precipitated water was channeled to the inner garden area's outlet, where it entered the combined drainage system. The drained water was sent to the campus's open ponds, while precipitation that fell near the ponds was also transported through drains and gathered in the ponds.

The rainwater is fed into the surface pond nearby the college.

The Rainwater collected is used for gardening needs of the college.



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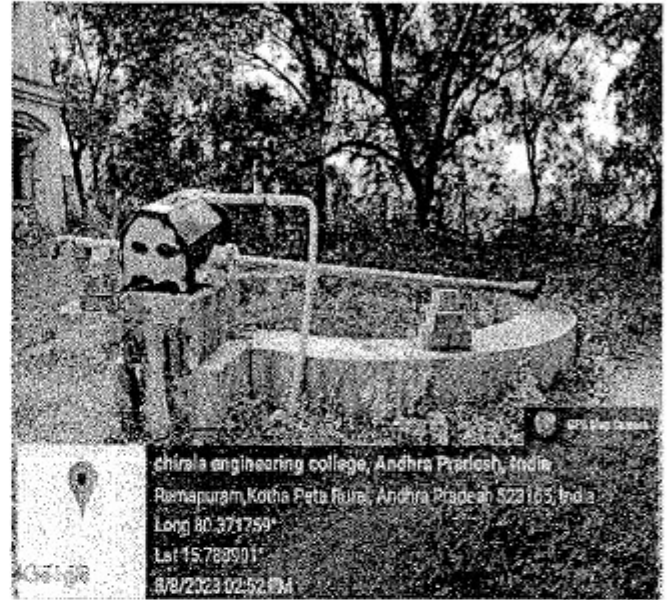


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7.1.4 Bore Well / Open Well Recharge



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Waste water Recycling Process (2022-23)

Wastewater is mainly generated from toilet flushing and kitchens. Wastewater generated from academic blocks as well as hostels is collected in septic tanks and passed to surrounding trees and plants through canals.

On college campuses, a lot of water is wasted. Fresh water is less readily available in the heat. Reducing the need for potable water while creating new sources through waste water reuse is the primary goal of this initiative. The goal of the waste water treatment procedure is to raise the waste water's quality. The requirements and standards established for the effluent quality are intimately linked to waste water treatment. Water is needed in large quantities on campus for many uses, such as gardening and cleaning.

In order to meet the demand for water, we are treating and reusing the waste water produced in college residence halls and departments. As a result, it lessens the burden on fresh water and lowers the necessity of fresh water.

A novel approach is suggested to get around the problem. This is accomplished by purifying the wash basin and cooler waste water. In hostels, the water used for laundry is often utilized for medical purposes. This water can be used for gardening and washing, but not for drinking.

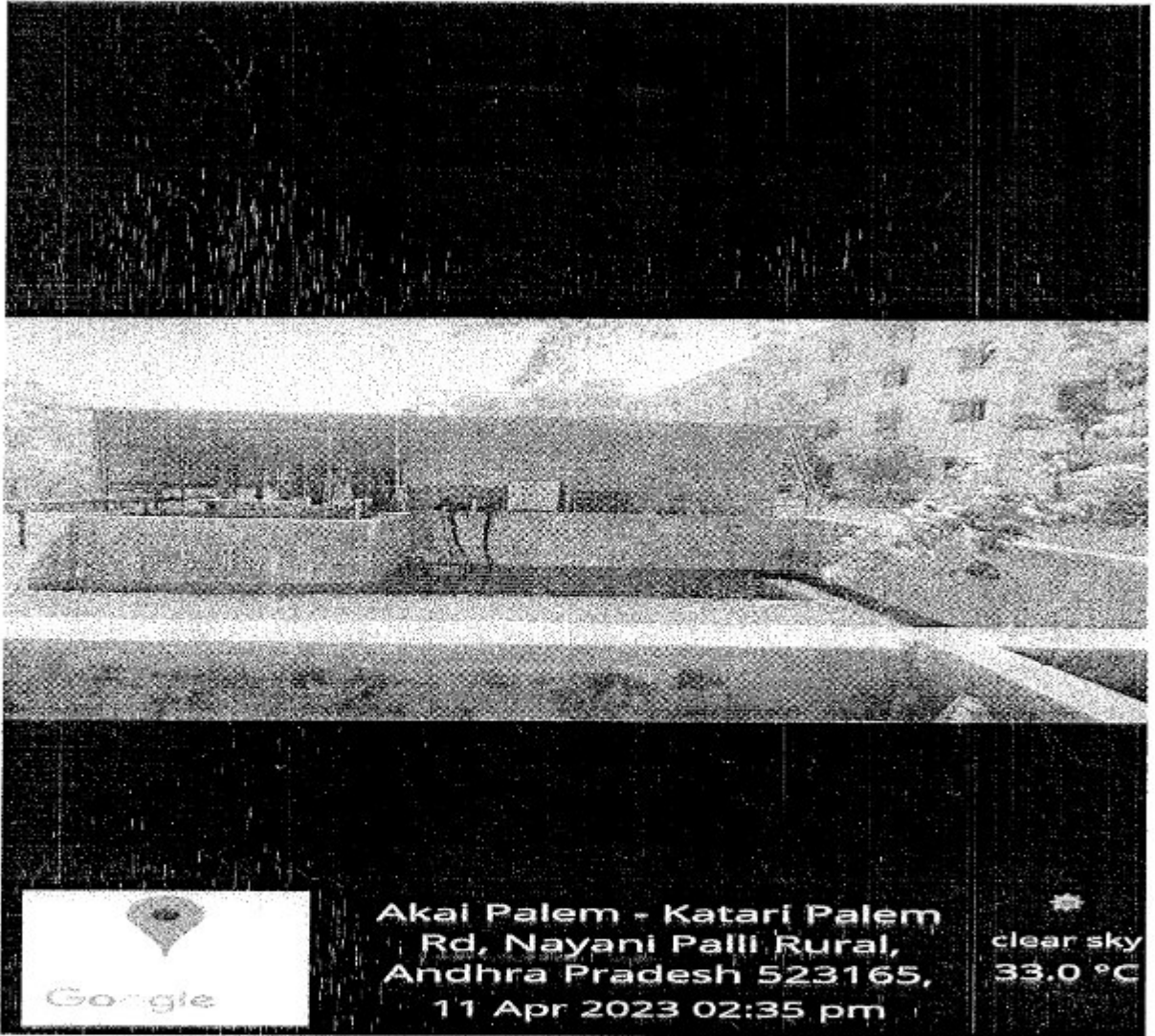


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Waste water recycling process

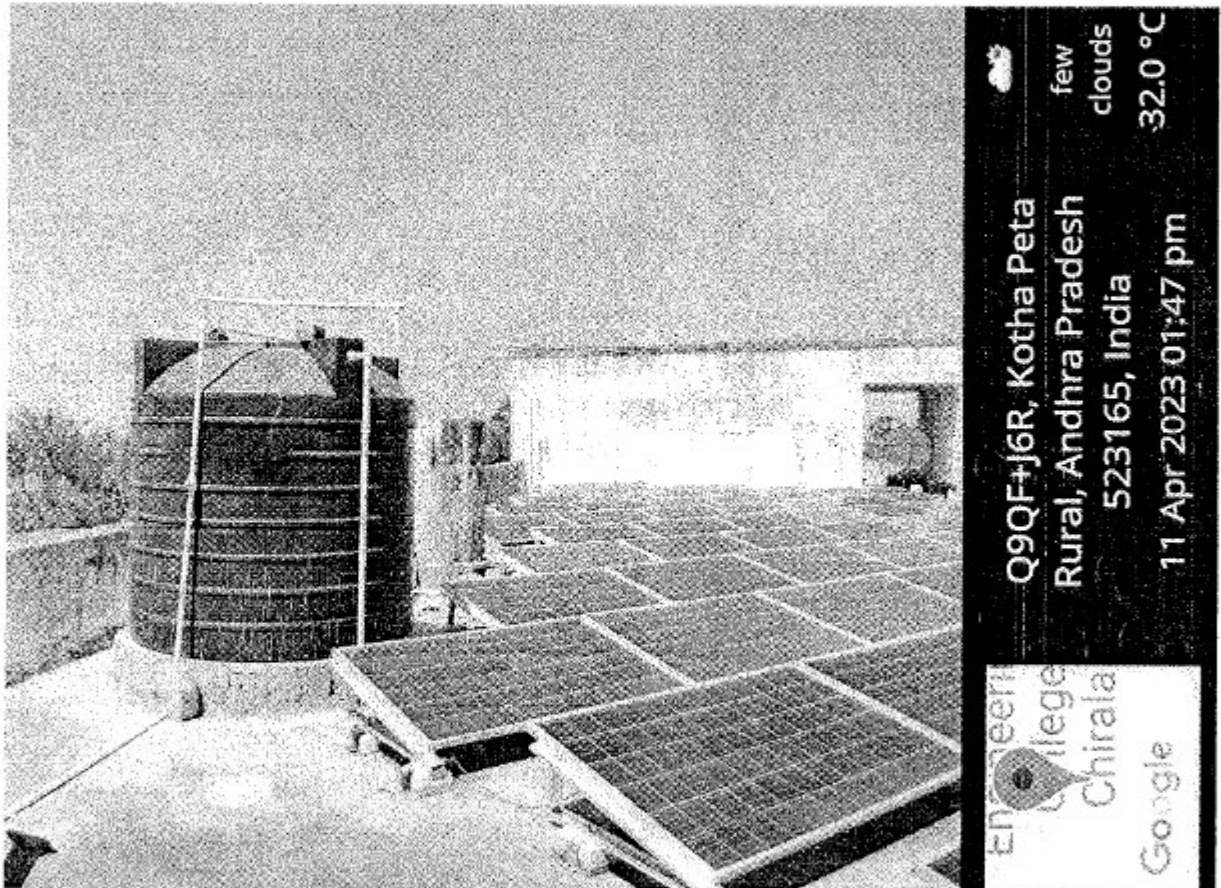


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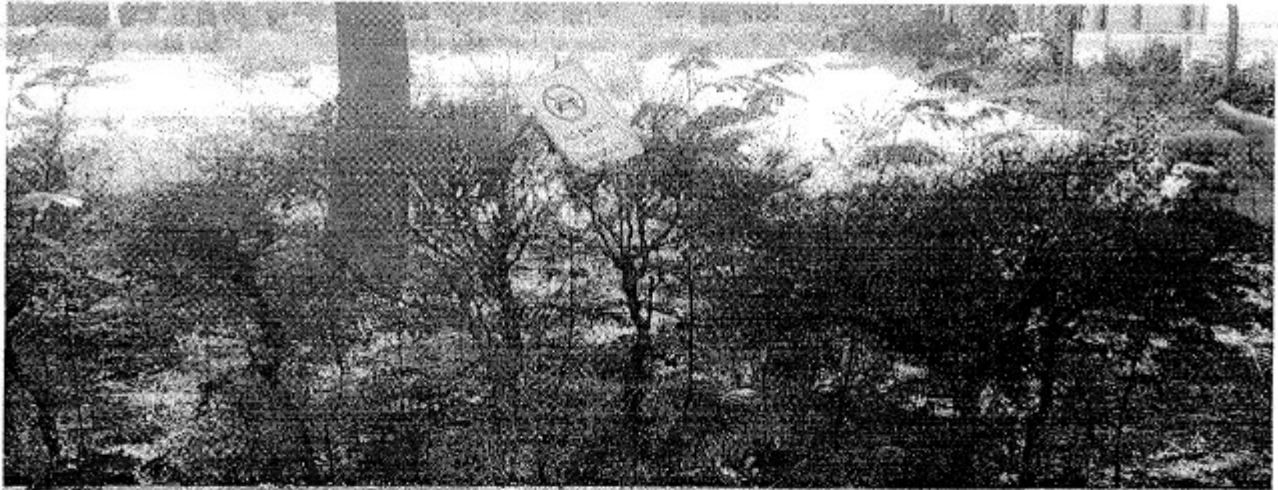
Over head tanks for water distribution

Takes off water from the existing borewees




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7.1.5. Restricted Entry of Automobiles



GPS Map Camera

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Q9QC+4MV, Kotha Peta Rural, Andhra Pradesh 523165, India
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Google



GPS Map Camera

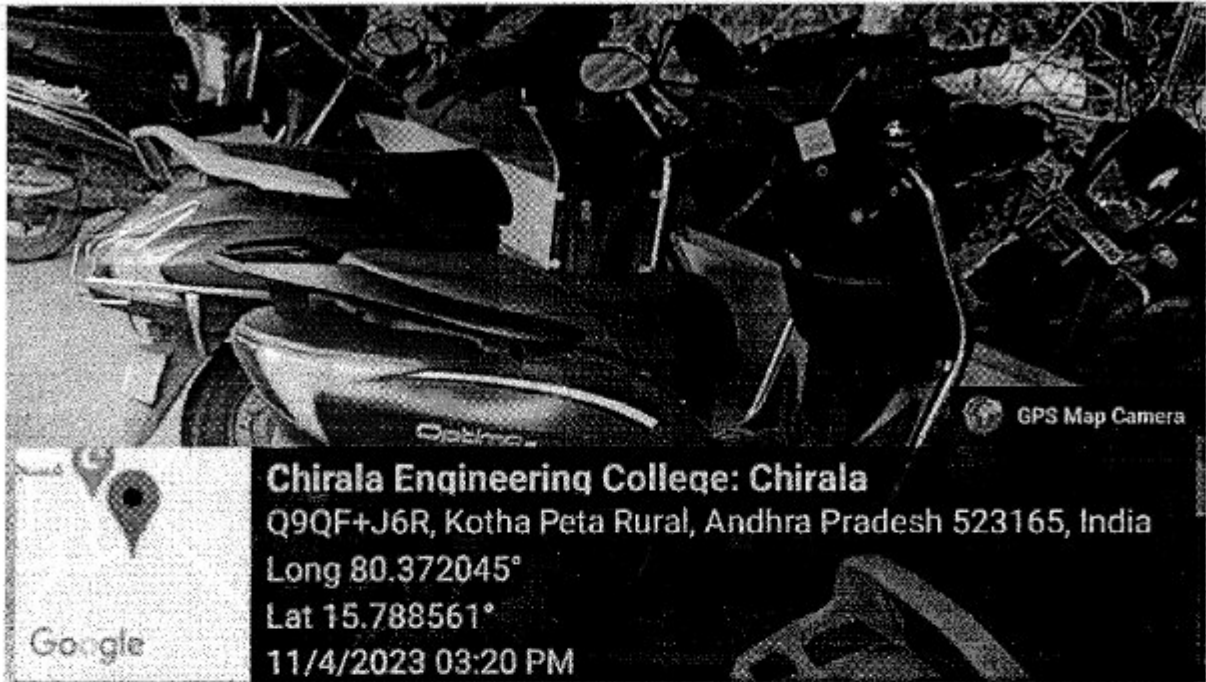
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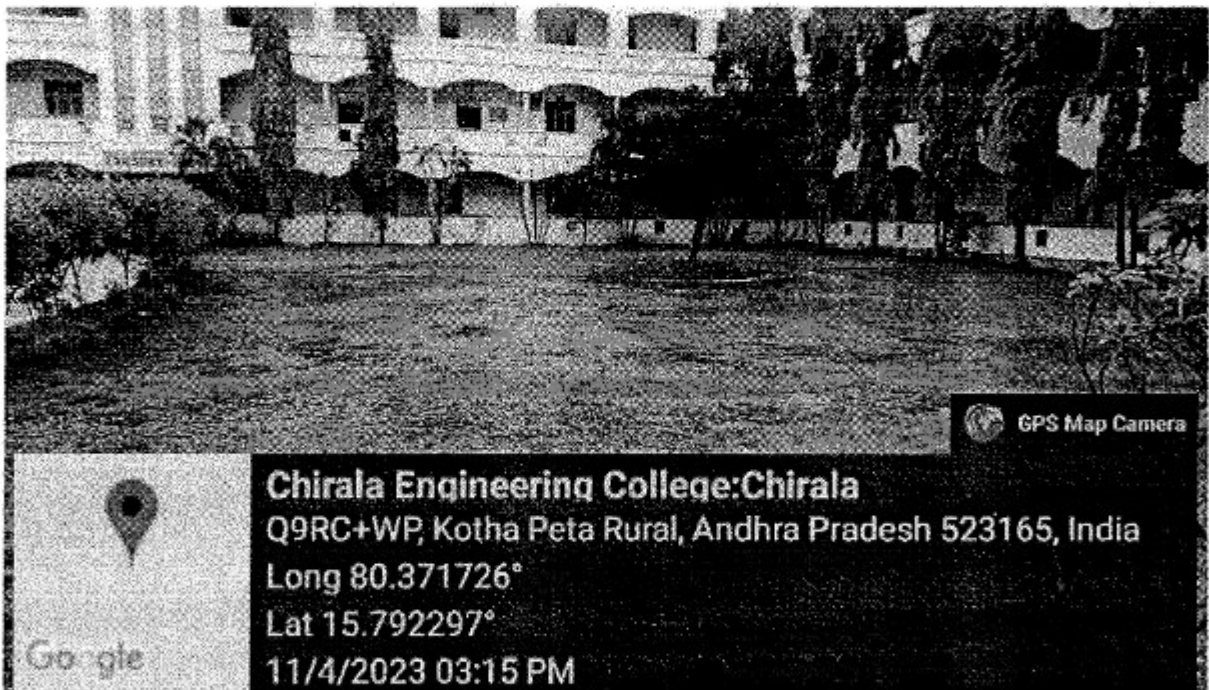



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Battery powered vehicle:



7.1.5 Landscaping with trees and plants:



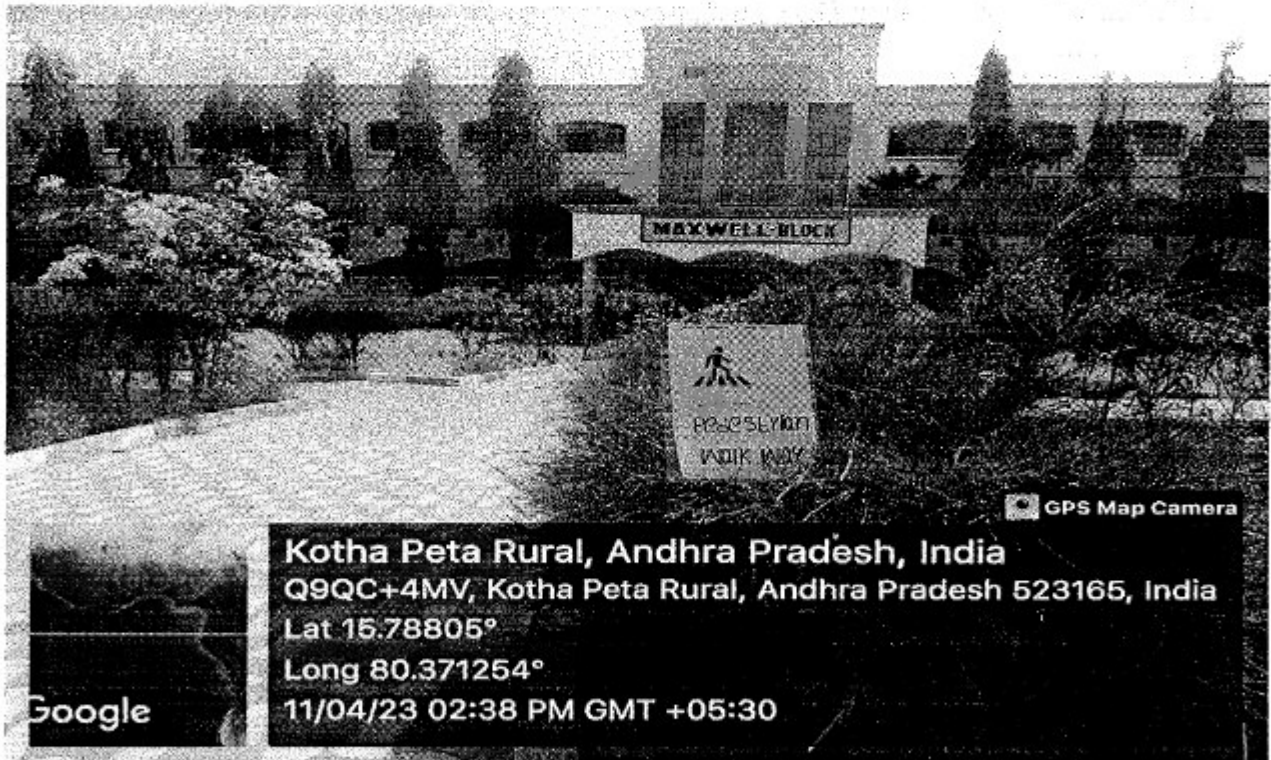
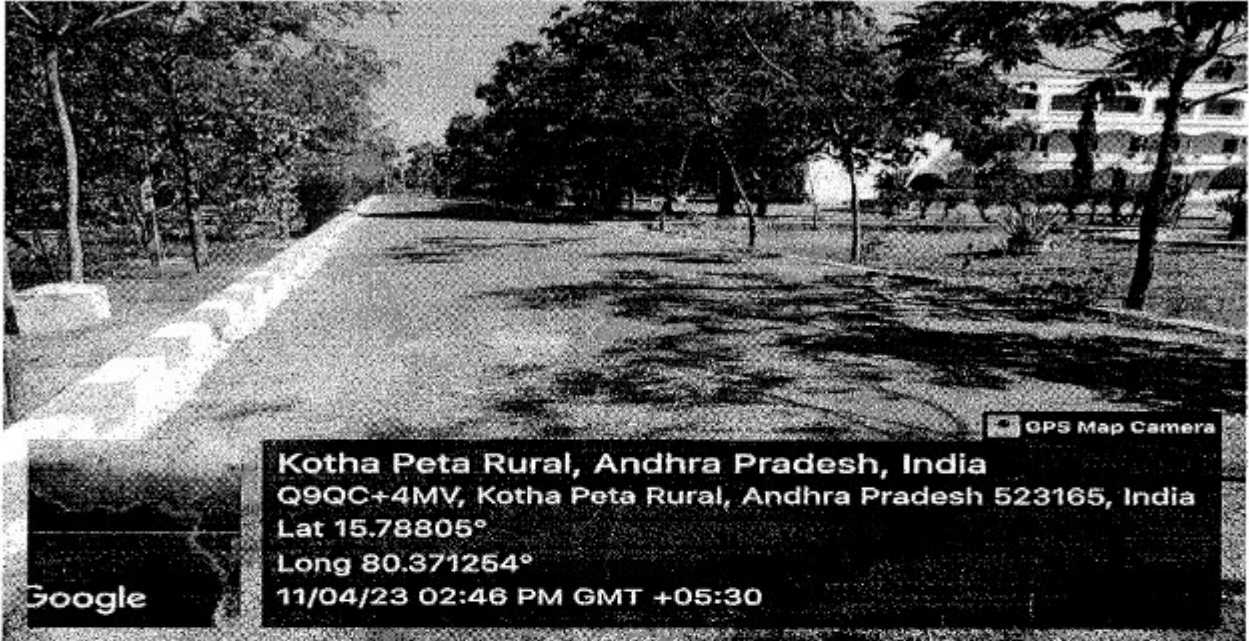

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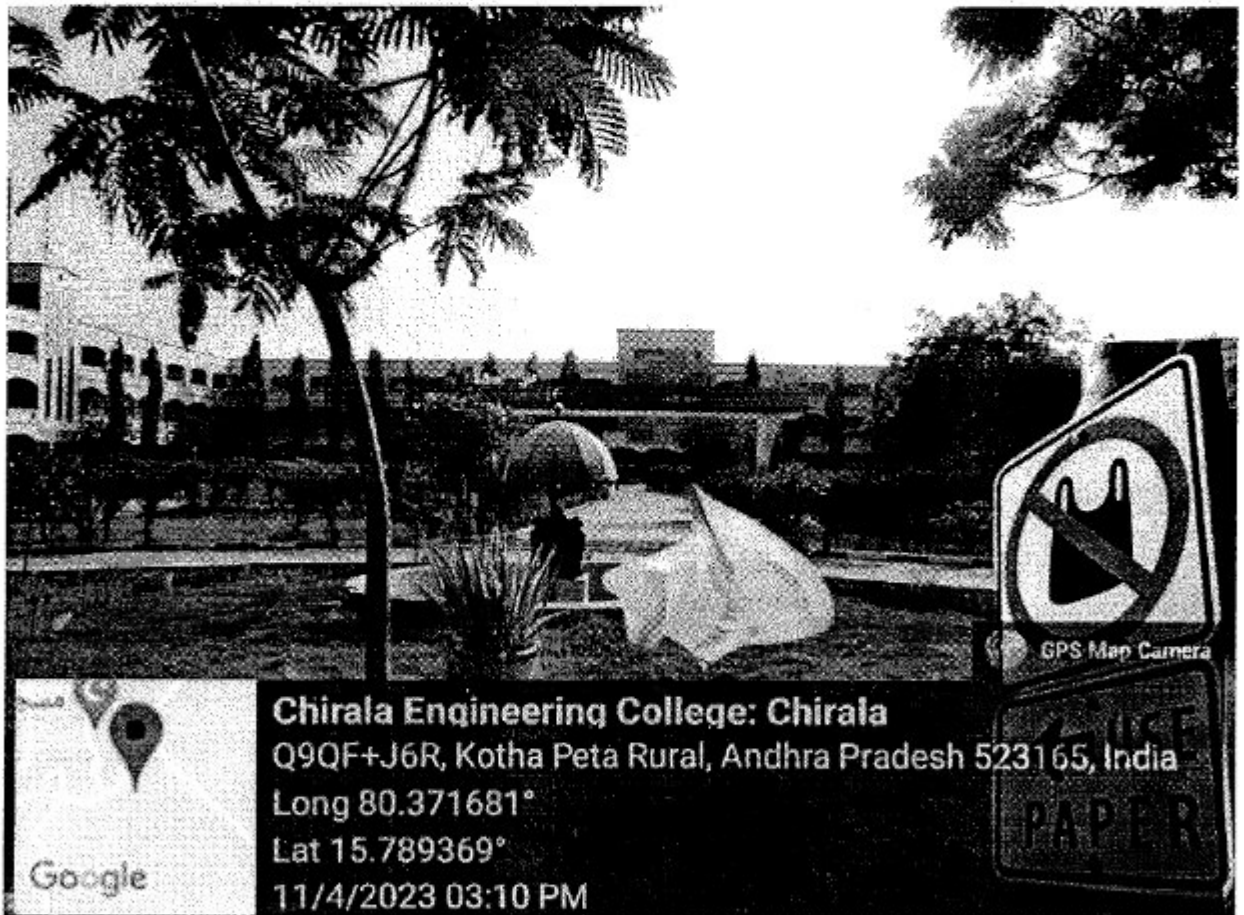
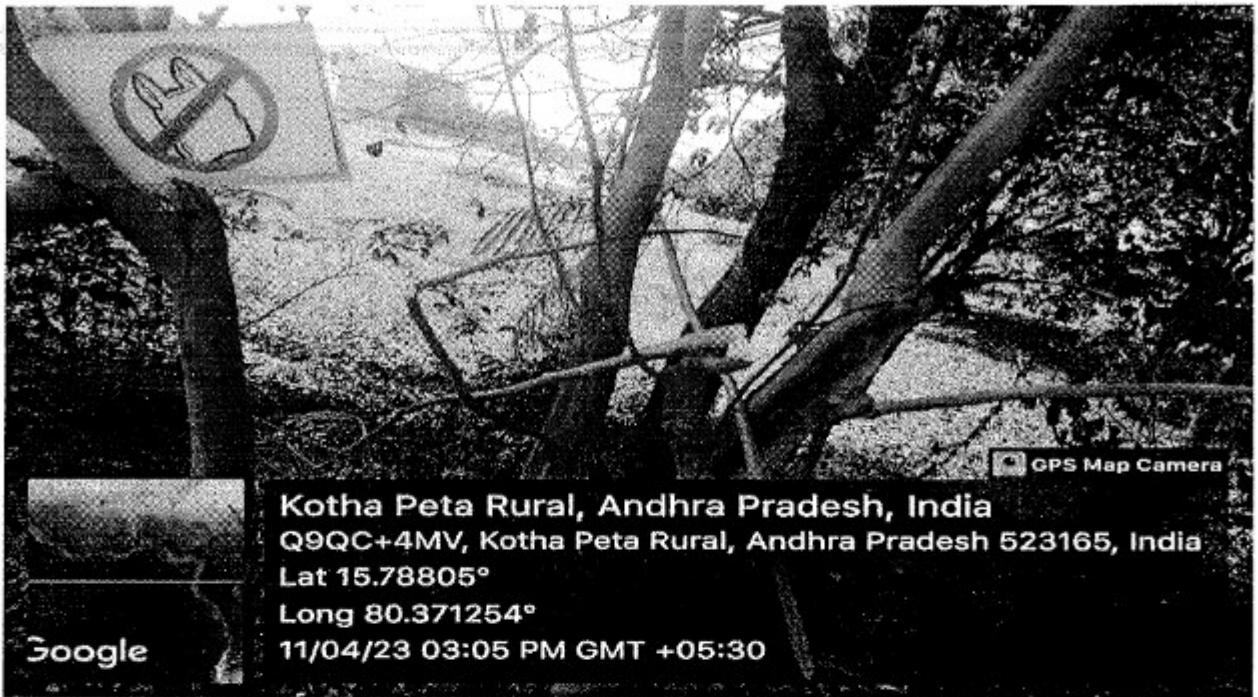
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7.1.5 Pedestrian friendly pathways:




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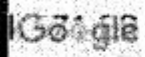
7.1.5. Ban on use of Plastic

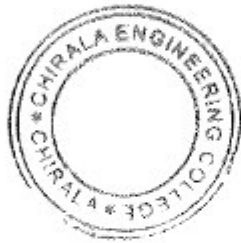


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 **Chirala Engineering College: Chirala**
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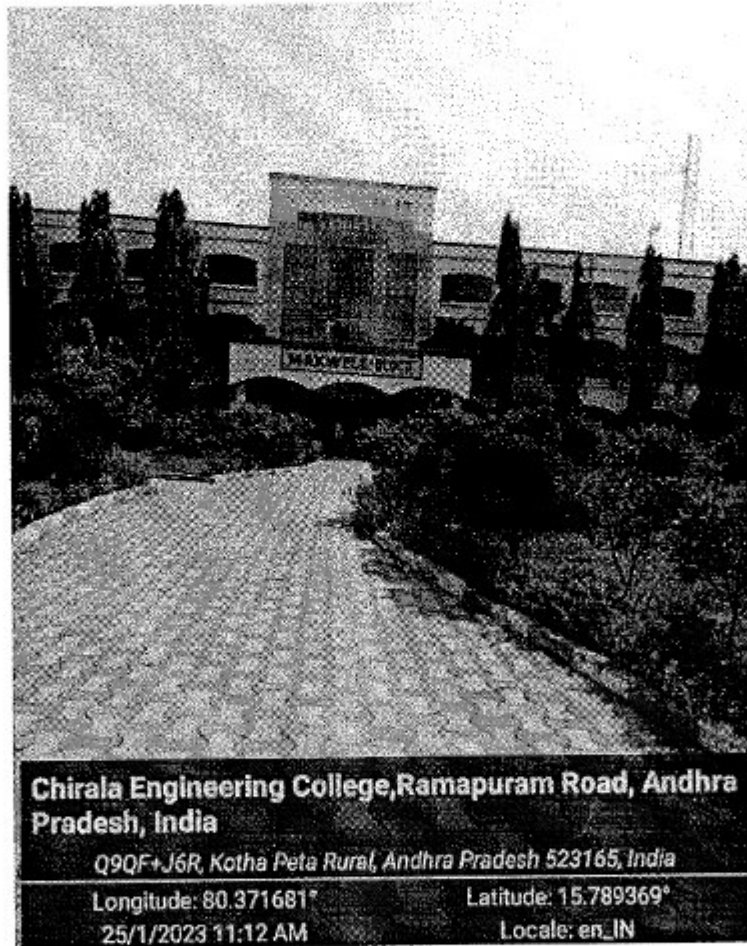

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Signage including tactile path:



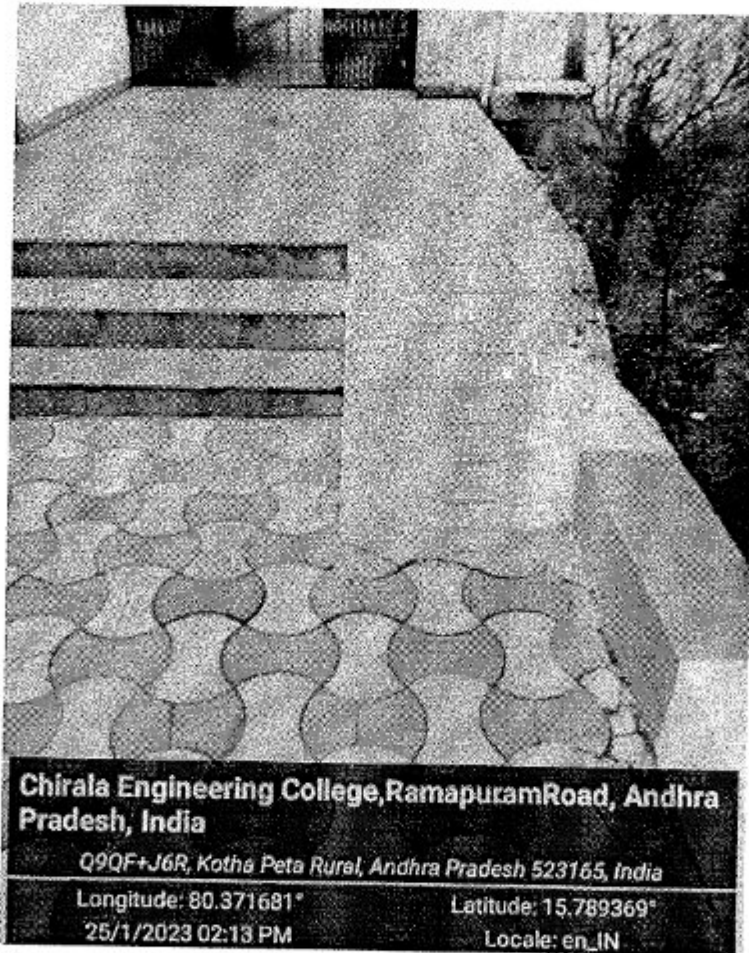
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Ramp:



Bees
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Disabled – friendly washrooms :



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