



CHOITHRAM COLLEGE OF NURSING

Accredited by NAAC, Affiliated to INC, MPNRC Bhopal, MPMSU Jabalpur
Choithram Hospital & Research Centre Manik Bagh Road, Indore-452014(M.P.)

Email: ccnursing@yahoo.co.in, choithramoffice@gmail.com

Website: www.choithramnursing.com



ENVIRONMENTAL SUSTAINABILITY AND CONCIOUSNESS

Management of Degradable and Non-Degradable Waste:

The Institution facilitates several techniques for the management of degradable and non-degradable waste. The primary focus is to reduce, reuse and recycle the waste.

The Institution facilitates several techniques for the management of degradable and non-degradable waste. The primary focus is to reduce, reuse and recycle the waste. The institute has different dustbins to segregate the different waste like solid, biomedical, etc. Every day the waste is collected in bins and disposed to a place where it can be converted into manure.

For the personal protection it has been advised to use masks while handling the waste. Moreover, wearing head gears, eye covers, apron, gloves and boots as they help in fighting the transmission of infection. It is also advised to immunize against Hepatitis B for necessary precautions.

1. Solid Waste Management

→ For solid waste management Different bins have been placed at different departments. This ensures that solid waste segregated at the source. It is also ensured that the recycling of all these components is done in minimum cost and labour.

2. Biomedical Waste Management

→ There is a classification of the waste in hazardous and non-hazardous or infectious and other hazardous. The hospital generates waste like Human and animal anatomical waste, microbiology waste, sharp waste, soiled waste, discarded/ cytotoxic drugs, plastic disposables, liquid waste and other things

are again segregated then collected and kept in storage then transported and finally sent for the treatment of the disposal.

3. Liquid waste management

→ Liquid Waste is being treated through Effluent Treatment Plant (ETP). The Campus generates 3.5 lacs liters of liquid effluent per day.

→ The ETP plant was commissioned and started functioning since 26th September 2001. the plant was designed to implement the following principle:

- Screening and removal of coarse solid through bar screening.
- Floating and removal of free oil and grease by grease trap.
- Collection, equalization and simultaneous aeration in a tank.
- Flocculation, absorption. Oxidation and biodegradation by microbes in aeration tank.
- Separation of Biomass in clarifier tank followed by high-pressure filtration.
- Disinfection of the treated effluent with hypochlorite.
- Drying of separated sludge in sludge bed by solar heating.

The output of the ETP Plant is approximately 3 lac liters of water per day, which is used for gardening, and irrigation of the vast green belt spread over 36 acres. The treated water is also used for toilet blocks in part of the residential/ hospital area. Approximately 5000 kg sludge each month coming from the ETP is disinfected with hypochlorite dried by sunlight and used as manure.

4. E-Waste Management: Institution generated e- waste in form of computers, monitors, telecommunication equipment, electronic devices and LED bulbs and tube lights. College condemns these products and send it to IT department of Hospital. Total E- waste generated by Campus is stored at a place and is given to the authorized vendor in every 6 month.

5. **Waste recycling system**

Biodegradable kitchen waste from mess and cafeteria, horticultural waste such as dried leaves, twigs, and plant clippings is collected from all around the campus and used for vermicomposting. Vermicomposting so produced is enriched with water soluble nutrients and is used in organic farming.

6. **Hazardous Chemicals and Radioactive waste Management**

→ Chemicals used in production of biological products, in disinfection and insecticides etc. generated as chemical waste. Dealing of this waste is done by chemical treatment.

1. Solid Waste Management

Centralized Common Warehouse for Solid Waste Gathering and Sorting



Paper waste collection and sorting centre



GPS M
Camera L

Choitram Compound, Choitram compound, Indore, Madhya Pradesh 452009, India

Latitude 22.6840633° Longitude 75.8523803°
Altitude 484 meters
Local 03:25 PM Thursday, 27-01-2022
GMT 09:25 AM



GPS Map
Camera Lite

MVM3+MW5, Choitram compound, Indore, Madhya Pradesh 452009, India

Latitude 22.6840633° Longitude 75.8550294°
Altitude 0 meters
Local 03:13:11 PM Thursday, 27-01-2022
GMT 09:43:11 AM

Non-biodegradable Solid waste management system with Incinerator



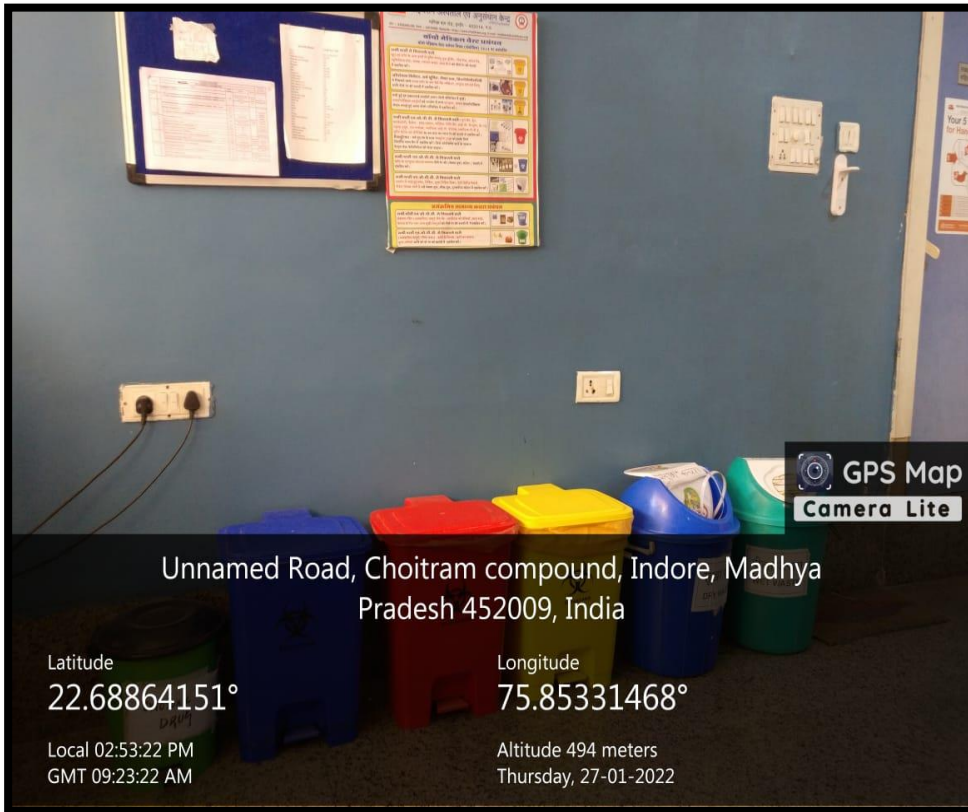
2. Bio-medical Waste Management

CH चोइथराम अस्पताल एवं अनुसंधान केन्द्र
 माणिक वाग रोड, इन्दौर - 452014 (म.प्र.)
 फोन :- 2362491-99, फैक्स :- 2470068 Website : http://www.choithram.org, E-mail : medicine@choithram.org

बायो मेडिकल वेस्ट प्रबंधन

<p>सभी वाडों से निकलने वाले खून एवं शरीर के अन्य द्रव्यों से दूषित रोगाणु युक्त ड्रेसिंग, गांज पीस, काटन पैड, म्यूल्तिनिथम शीट, मास्क, प्लास्टर कास्ट, ब्लड बेग्स को पीले रंग की बाल्टी में एकत्रित करें।</p>	
<p>ऑपरेशन सियेटर, बर्न ग्रूनिट, लेबर रुज, हिस्टोपैथॉलॉजी से निकलने वाले यालब अरीर के अंग जैसे कि-प्लेसेन्टा, एम्प्यूटेड अंग एवं टिशू आदि पीले रंग की बाल्टी में एकत्रित करें।</p>	
<ul style="list-style-type: none"> • बची हुई एवं एक्सपायर्ड इवाईयां अलग पीली पोलिथिन में डालें। • सापटोबैक्लिक इवाईयां एवं उपयोग में लाये एम्प्यूल्स, वायल सापटोबैक्लिक लेवल लगाए हुई अलग पीली पोलिथिन में एकत्रित करें। 	
<p>सभी वॉर्डों एवं ओ.पी.डी. से निकलने वाले : यूरो बेग, ड्रेन, कालेस्टोमी, कैथेटर : ब्लड सक्शन, फोल्स, मिनि बेग, आई.वी. केन्यूला, के-90, राइलस ट्यूब, रबर ग्लोव्स, प्लास्टिक आई.वी. बाटल्स, प्लास्टिक पी.पी.ई, यूरिन कंटेनर एवं सीरिंजिस का इव काट कर लाल रंग की बाल्टी में एकत्रित करें। वेग्यूटेनर : बचे हुए रक्त के साथ वेग्यूटेनर ट्यूब को इसके लिये निर्धारित लाल बेग में एकत्रित करें। जिसे ऑटोकलेव करने के पश्चात सेन्ट्रल वेस्ट फेसिलिटेटर को भेजा जाएगा।</p>	
<p>सभी वॉर्डों एवं ओ.पी.डी. से निकलने वाले कांच के एम्प्यूल्स और वायलस नीले रंग की छोटी बाल्टी में एकत्रित करें। ग्लास बाटल्स, बड़ी नीली बाल्टी / बाक्स :-</p>	
<p>सभी वॉर्डों एवं ओ.पी.डी. से निकलने वाले संक्रमण रहित (असंक्रमित) वस्तुएं जैसे कि : प्लास्टिक की थैलियां, कार्ड बोर्ड, कागज के रैपर, फलों के छिलके तथा अन्य वस्तुओं को काले रंग की बाल्टी में एकत्रित करें।</p>	
<p>सभी वॉर्डों एवं ओ.पी.डी. से निकलने वाले उपयोग में लाई हुई ब्लेड, कटी हुई निडिल, सूचर निडिल, प्रिकर एवं ऐसी सिरिंजिस जिनमें नीडल फिक्सड रहती हैं उन्हें काटकर सफेद पारदर्शी बाल्टी में एकत्रित करें।</p>	

बायो मेडिकल वेस्ट नियम : 2016 पर आधारित





GPS Map
Camera Lite

Unnamed Road, Choitram compound, Indore, Madhya Pradesh 452009, India

Latitude
22.68864151°

Longitude
75.85331468°

Local 02:54:12 PM
GMT 09:24:12 AM

Altitude 494 meters
Thursday, 27-01-2022



GPS Map
Camera Lite

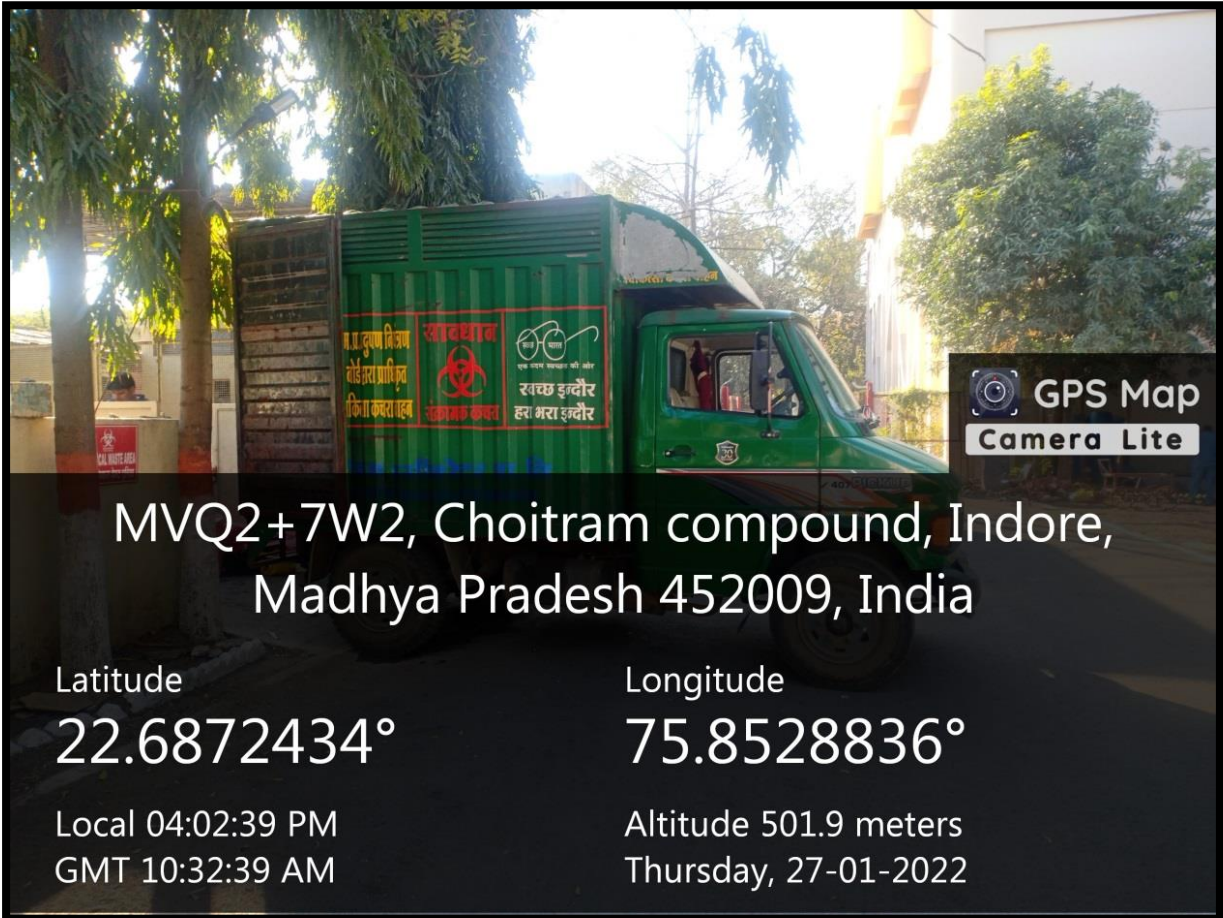
MVP3+J36, Choitram compound, Indore, Madhya Pradesh 452009, India


Latitude
22.68718078°

Longitude
75.85245275°

Local 03:41:59 PM
GMT 10:11:59 AM

Altitude 505 meters
Thursday, 27-01-2022



 **GPS Map
Camera Lite**

**MVQ2+7W2, Choitram compound, Indore,
Madhya Pradesh 452009, India**

Latitude

22.6872434°

Longitude

75.8528836°

Local 04:02:39 PM

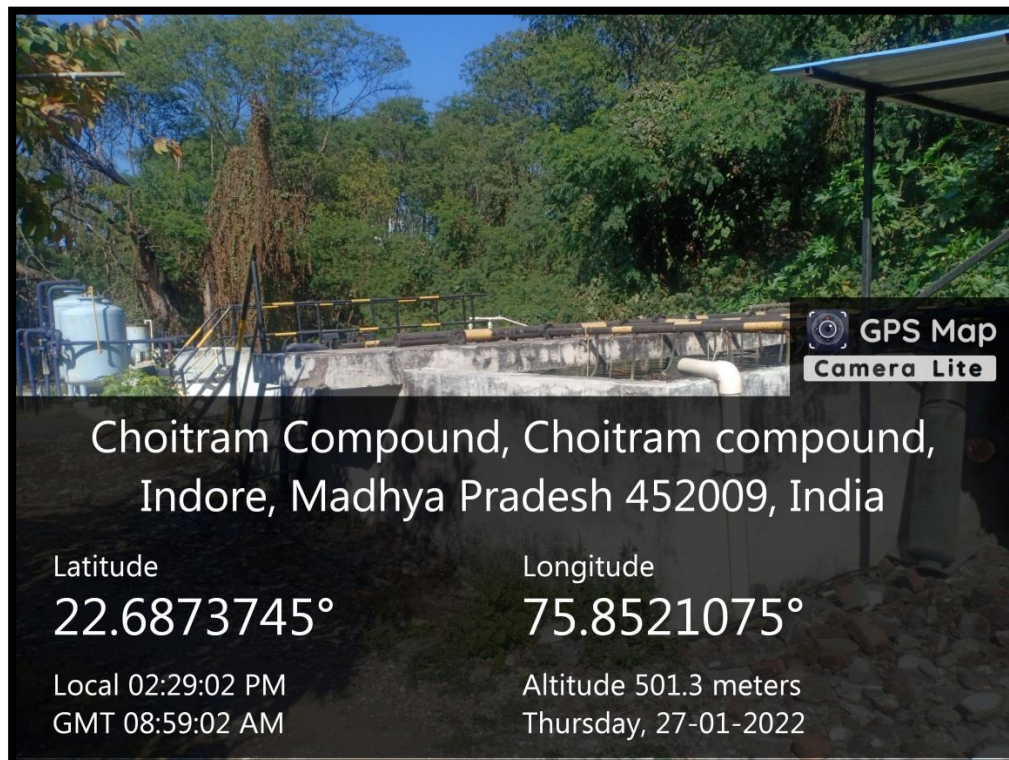
GMT 10:32:39 AM

Altitude 501.9 meters

Thursday, 27-01-2022

3. Liquid Waste Management

ETP (Effluent Treatment Plant)





Choitram Compound, Choitram
compound, Indore, Madhya Pradesh
452009, India

Latitude

22.6873745°

Longitude

75.8521075°

Local 02:28:27 PM

GMT 08:58:27 AM

Altitude 501.3 meters

Thursday, 27-01-2022



Choitram Compound, Choitram
compound, Indore, Madhya Pradesh
452009, India

Latitude

22.6873745°

Longitude

75.8521075°

Local 02:28:16 PM

GMT 08:58:16 AM

Altitude 501.3 meters

Thursday, 27-01-2022

4. E-Waste Management

Form-6
[See rule 19]
E-WASTE MANIFEST

No. **834**

1.	Sender's name and mailing address (including Phone No.)	CHOITHRAM Hospital and Research Centre, Manik Bagh Road, INDORE <small>Tel. No. 95 73796 777</small>
2.	Sender's authorisation No, if applicable.	N/A
3.	Manifest Document No. :	834/2021
4.	Transporter's name and address : (including Phone No.)	Self Pick (UER Transport)
5.	Type of vehicle	(Truck or Tanker or Special Vehicle)
6.	Transporter's Registration No.	N/A
7.	Vehicle Registration No.	MP-09-GE-3194
8.	Receiver's Name & Address :	Unique Eco Recycle Plot No. 26, Udyog Nagar, Palda, Behind Reliance Petrol Pump, Indore (M.P.)
9.	Receiver's Authorisation No. if applicable. :	459/HOPCB/E-Waste/2018
10.	Description of E-waste (Item, Weight/Numbers)	Total weight = 2094 kg / 2.094 MT I+E+W2 = 1178 kg, I+E+W1 = 288 kg, I+E+W12 = 384 kg CEEW1 = 326 kg, CEEW2 = 40 kg, CEEW5 = 25 kg
11.	Name and stamp of sender* (Manufacturer or Producer or Bulk Consumer or Collection Center or Refurbisher or Dismantler)	<p style="text-align: center;">Gorakh Singh Estate Officer Choithram Hospital & Research Centre Manik Bagh Road, INDORE (M.P.)</p> <p style="text-align: right;">DAY MONTH YEAR 28 12 2021</p>
12.	Transporter acknowledgment of receipt of E-Wastes	
	Name and stamp : Signature	DAY MONTH YEAR 28 12 2021
13.	Receiver* (Collection Center or Refurbisher or Dismantle or Recycler) certification of receipt of E-waste	
	Name and stamp : Signature	DAY MONTH YEAR 28 12 2021

* As applicable

First Copy
to be retained by the sender after taking signature on it from the transporter and other three copies will be carried by transporter.

5. Waste Recycling Management

Vermicomposting





MVQ2+W2C, Choitram compound, Indore,
Madhya Pradesh 452009, India

Latitude

22.6882778°

Longitude

75.8492194°

Local 09:50:11 AM

GMT 04:20:11 AM

Altitude 0 meters

Friday, 28-01-2022

Waste Paper Cutting for Recycling



Choitram Compound, Choitram compound, Indore, Madhya
Pradesh 452009, India

Latitude

22.68725263°

Longitude

75.85244724°

Local 03:13:40 PM

GMT 09:43:40 AM

Altitude 501 meters

Thursday, 27-01-2022