

**BEST PRACTICES OF
BIO - MEDICAL WASTE MANAGEMENT AT
ALLURI SITARAMARAJU ACADEMY OF MEDICAL
SCIENCES (ASRAMS),
ELURU,
WEST GODAVARI DISTRICT.**

HOSPITAL PROFILE

- Hospital and College were established in the year 1999.
- MBBS admission intake is 150 per year.
- Our institution offers all the Speciality courses
- Super Speciality branches in our hospital include Cardiology, Cardio Thoracic & Vascular Surgery, Neurology, Neuro surgery, Nephrology, Urology & Plastic Surgery.
- Total bed strength : 1000 beds
- Bed occupancy : 600-700



ALLURI SITARAMA RAJU
ACADEMY OF MEDICAL SCIENCES

ఆల్లూరి సీతారామ రాజు
ఆరోగ్య శాస్త్రాన్ని

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Adopted Bio – Medical Waste Management and Handling Rules

2018

BMW Statistics at our HCF

Yellow - 1354.33 KG/month

Red - 961.166 KG/month

White - 111 KG/month

Blue - 84.33 KG/month

Total - 2510.826 KG/month

4 Schedules

Schedule I BMW color coding, collection, treatment and disposal

Schedule II Standards for treatment and disposal

Schedule III Prescribed Authorities and Responsibilities

Schedule IV Labels for BMW containers and Bags

BMW

- Bio Medical Authorization is valid up to 31/1/2024.
- Man power : 11
- Health check up for the workers is done every year.
- Hepatitis B immunization also was given recently.
- Workers were supplied with Personal Protective Equipment (PPE) which includes Hand gloves, Face mask, Shoes, Aprons, etc.,
- Trolleys for collection purpose : 3
- Total containers : 417 (83 each color).
- All the Bio medical waste was collected separately in non-chlorinated eco friendly yellow & red bags with bar codes.

Color Coding



Disposal of wastes based on color coding



Disposal of Waste Sharps



Weighing of BMW



Collection of segregated waste



Placing of segregated waste in trolley



Collection & transport of waste in designated containers



Safe transport of waste to the collection point



Storage of BMW in a secluded and restricted room with appropriate warning symbols



Immunization To The Workers



Immunization To The Workers



Storage of BMW in a secluded and restricted room



Storage of BMW in a secluded and restricted room with appropriate warning symbols



Storage of BMW with appropriate segregation



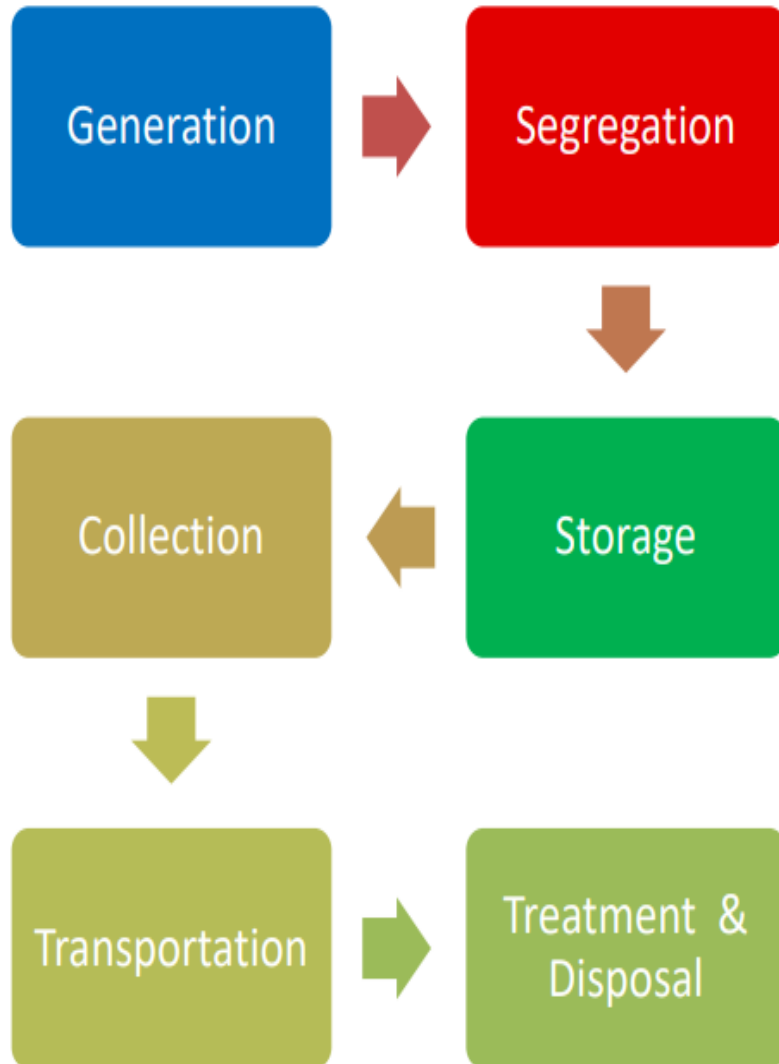
Storage of BMW with appropriate segregation



Transportation of BMW by SAFENVIRON



PROCESS FLOW OF BMW



Further Treatment
and disposal at
SAFENVIRON

STP

- STP man power : 4
- Health check up for the workers is done every year.
- Hepatitis B immunization also was given recently.
- Total area : 0.5 acre.
- Waste water generated : 750 KL / day
- Outlet water : 650 KL / day
- ST Plant capacity : 1250 KL

Sewage Treatment Plant at our HCF



Sewage Treatment Plant at our HCF



Effluent Treatment Plant at our HCF



- Total greenery area is 60 acres, in that 30 acres is exclusively used for fruit bearing farms like banana, guava, mango, lemon, chiku.
- Recycled water after treatment from STP is used for maintenance of gardens and plants.



Garden maintenance with the treated water at the facility









Thank you