

North Eastern Hill University

ENVIS RP CENTRE

Department of Biomedical Engineering

School of Technology

Mawkynroh, Umshing, Shillong-793022



Centre activities for month of January 2018

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AWARENESS PROGRAMME

The Environmental Information System (ENVIS) Resource Partner (RP) Centre, NEHU, Shillong organized a one-day awareness programme in collaboration with Nazareth Hospital (Estd. 1959), Laitumkhrah, Shillong and Children's Hospital (Estd. 2009), Nongthymmai Pohkseh, Shillong on generation and management of Biomedical waste and E-waste inside the hospital premises on the **25th January, 2018**. The programme aimed to increase awareness among the hospital staff and patients who visited the institute regarding the safe and proper disposal of biomedical waste generated.

During the awareness drive it was observed that the Biomedical (BMW) Management in Nazareth Hospital is closely monitored by an Infection Control Team comprising of an Infection Control Officer to oversee all issues pertaining to BMW management and two Infection Control Nurses to ensure proper adherence to the guidelines of the same. Colour-coded plastic-lined bins are placed in all sections of the Hospital to segregate the waste generated. Needle destroyer and hub cutter along with Puncture-proof container with 10% bleach are available at all nursing stations. Waste generated in the laboratory and during housekeeping activities including contaminated blood and body fluid are discharged into holding tanks for ETP treatment before releasing into sewers. Colored bins are collected by the sanitation staff twice daily for weighing, treatment and storage in the Common Storage Area (CSA) of the hospital. The Municipal Civic Authorities, Shillong and Fresh Air Waste Management Services Pvt. Ltd., Guwahati collected the waste from the CSA for final disposal. All recyclable waste was being stored in a separate area to be picked by registered recyclers of a frequent basis.



ENVIS TEAM AT Nazareth Hospital



Colored Bins at Nursing Station



Protective Gloves



BMW Rules posted at each waste collection point



Red, Blue and Yellow Labeled Bins



White Bin for Sharp Waste



Biomedical Waste Main Storage



Effluent Treatment Plant 1



Effluent Treatment Plant 2

Children Hospital's waste management comprised of an Officer in-charge along with the Infection Control Nurses who monitored and ensured that proper segregation is being carried out at all points of waste generation. The Emergency ward, General ward, OT, ICU and other sections of the hospital were lined with proper labeled-colored bins. All Nursing stations had needle cutter with 10% bleach containers. The waste disposal team employed protective gloves and mask during handling of waste. Waste from these bins were collected daily and stored in the Waste Main Storage area to be collected by the concerned Authorities for Biomedical Waste disposal. ETP and STP were present in the Hospital for the treatment of contaminated Liquid waste. Concrete Underground Sharp pits for disposal of needles after disinfection were also available.



ENVIS Team - Children Hospital



ENVIS Team - Reception



Emergency ward: Colored Plastic-Lined Bins



Red Bin with Waste



General Ward: Nursing Station



Colored bins with Needle Cutter



10% Bleach



Needle Cutter



BMW Segregation Guide



Waste Main Storage Area



Effluent Treatment Plant



Underground Sewage Storage Pre-treatment



Underground Sharp Pit (needle disposal)



Sewage Treatment Plant

Conclusion: The team brought to the knowledge of the health care staff to submit their Annual report in Form-IV to the prescribed authority on or before 30th June every year for the period from January to December of the preceding year. The results showed that both the hospitals were aware of the most recent Biomedical waste management Rules and practices and were adhering to it.