

*Environmental Information System (ENVIS)
Resource Partner Centre*



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Established by
The Ministry of Environment and Forests (MoEF),
Government of India



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CENTRE ACTIVITIES FOR THE MONTH OF FEBRUARY, 2018

AWARENESS PROGRAMME ON

Solid Waste Management in Shillong Municipal Board (SMB)

The Environmental Information System (ENVIS) Resource Partner (RP) Centre, NEHU, Shillong organized an awareness programme in collaboration with Shillong Municipal Board constituted under the Meghalaya Municipal Act 1973. The programme was aimed at bringing awareness to the community by informing them about the importance of waste segregation and its safe disposal. The awareness programme also addressed the long term effects on the human health and surrounding, and ensures the right to public health, efficient and quality basic services to all citizens, to provide a congenial environment.

The data were collected through interviews from Shillong Municipal staff, self-observation and secondary sources. The drive was conducted in residential areas, commercial areas and Marten at Mawiong, Shillong which is the main dumping site. It was observed that 72% of residential households in the city are segregating waste at source. Two color-coded household bins have been distributed to households for segregation and storage at source under the Asian Development Bank & MoUD funded NERCCDIP. It was observed that in commercial areas, wastes from different shops are dumped in the locality waste bins without any segregation. Large number of vehicles with various capacities are being used for collection and transportation of waste to Marten. A composting unit was set up with funds from the Swachh Bharat Mission, Govt. of India to process segregated bio-degradable waste into compost during the interim period until the completion of the 170 TPD Compost Plant in 2019. A sanitary landfill is being developed in two phases at Marten where the first phase was completed and ready to be used.

Segregation and Disposal Method: The residents in different communities use the two 25 litres waste bins to segregate bio-degradable and non-bio-degradable waste, which is then collected by the SMB transport vehicles to be disposed off in the Landfill site at Marten, Mawiong.

At the landfill, rag pickers further segregate the waste into plastic, paper, bottles waste etc., to be collected by recycling agencies. Wastes from commercial areas are also transported to the landfill site for disposal.

It was observed that issues like non-functional Incinerator, foul smell from the dumb yard though has been reduced after the functioning of the recycling machine and the smoke and fumes due to open burning were being faced by the State affecting the environment as well as the overall public health at large.

The state government has initiated and taken few projects such as construction of high walls at the dumpsite, implementation of Solid Waste Management Project under North Eastern Region Capital Cities Development Investment Programme (NERCCD), funded by the Asian Development Bank (ADB) and Ministry of Urban Development (MOUD), planting of 600 colour coded bins on roadside, Construction of 170 TPD Compost Plant under Tranche-II, at Marten, Shillong, Meghalaya. The State Government is also trying to find an alternate land for a new dumping site other than Marten in the State.

House hold waste



Collecting of house hold waste at residential area in the city



Vehicles for transportation of waste from residential areas to land-fill area at Marten

Commercial waste



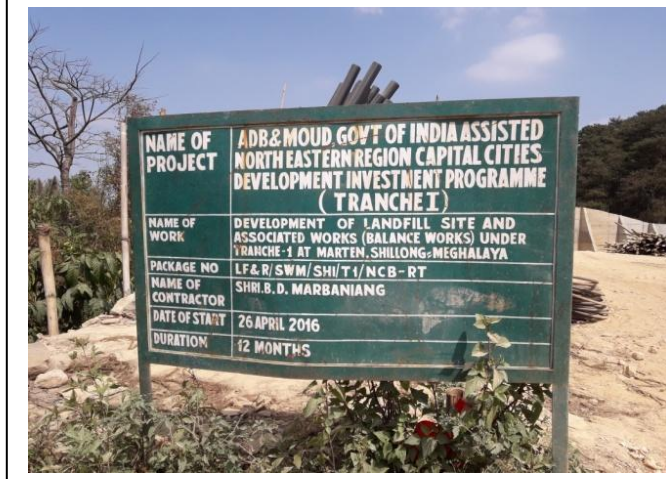
Staff of SMB collecting wastes from commercial areas of the city



Vehicles for transportation of waste from commercial areas to land-fill area at Marten

At Marten, Mawiong, Shillong





ENVIS Staff at Marten

