

TERI Sustainable Urban Freight Workshop Series

Workshop 1: Electrification of Solid Waste Collection in Surat

25th November 2020

TERI in collaboration with Surat Municipal Corporation (SMC) conducted a closed workshop on 25th November, aimed at facilitating Electric Vehicle pilots in Municipal Solid Waste Management (SWM) in Surat. The workshop was attended by civil society members from Surat, officials from SWM department at SMC and several Original Equipment Manufacturers (OEMs) including Ashok Leyland, TATA Motors, Volvo Eicher, Mahindra, Piaggio and Vidhyut-EVs. TERI and SMC presented the freight requirement in door-to-door waste collection and the manufacturers responded with their feedback on the availability and ability of EVs for the presented requirement. To add value to the workshop, Gayam Motor Works shared their experience in electrification of SWM in Vijayawada.

This workshop is part of a series of workshops planned in Surat city aimed at electrifying various use cases of Urban Freight. Each of these workshops will follow a structure where the specific use-case of urban freight will be presented by the respective stakeholders and the OEMs will respond with availability and ability of EVs for reducing economic costs in the specific application. TERI and SMC envision pilot application in six different use cases in Surat including SWM, Textiles, Organic Waste, Bakeries, Food Grains and E-commerce.

This Urban Freight Cost Emission Reduction Guidance Facility (UFCERGF) in Surat is part of a national initiative by TERI to form a Sustainable Urban Freight Group. The SUF group is a consortium of all stakeholders of Urban Freight including state and local governments, central government agencies, OEMs, Research institutions and other civil society and industry members. The SUF group aims to create a national support structure for cost and emission reduction from urban freight in India.