



The SIPL team executed a unique LCA study of finding out environmental benefits accrued to recycling of PET bottles to eco-friendly t-shirt Ecohike. Eco-Hike is one of a kind product that does so many things to sustainability like saving a lot water per t-shirt, saving a lot of virgin plastics, saving forex for India that imports ~85% of its crude, saving landfill space, etc.

The system boundary started from collection of PET bottles to making bales to washing and segregating PET bottles to production of PET granules to plastic threads, weaving and finally t-shirt manufacturing.

SIPL prides itself in executing LCAs on site specific data and Indian data for transportation and Electricity. Tirupur, the apparel hub of India, is also a zero discharge place.

Separate processes based on Ecohike manufacturing and India data were created for the LCA.