



Name of the Technology: Recycling of Plastic Wastes into Tiles for Structure Designing for Societal Usage

Summary: Disposal of Plastic Waste is a major problem. It is non-biodegradable & it mainly consists of low density polyethylene plastic bags, bottles etc. Burning of these waste plastic bags causes environmental pollution. The main objective of the present project is to utilize waste plastic bags for designing of materials for utilization of tiles in building of toilets and rooms for general public for societal benefits.

Applications: These waste plastic bags tiles can be used for designing structures for societal usage like toilets or rooms

Advantages: The advantage of the innovation is the utilization of waste plastic bags and bottles in the form of tiles which can be used for designing the structure for making a smart toilet or any other structure for societal usage. One of such waterless toilet structures made at CSIR-NPL is shown in adjacent figure.



Choose the Readiness level of the Technology:

Idea	Concept Definition	Proof of Concept	Prototype	Lab Validation	Technology Development	Technology Demonstration	Technology Integrated	Market Launch

Related Patents: Patent No:0193NF2016
Country: India & SARRC Countries
Publication Date: June 2016, Grant Date: - NA

Year of Introduction: 2016

Broad Area/Category: Plastic/Polymer Technology



User Industries: (Mention the industries/users in which the technology is applicable to)
Under Swacch Bharat Abihyan, Ministry of Housing, Sulabh,