

Problem Statement for Plastic Waste

Plastics especially Single-use plastics, such as plastic bags, straws, and packaging etc, are a significant contributor to the plastic waste crisis. The disposal of plastic waste is a complex problem that requires innovative and sustainable solutions. The challenge is to enhance circularity and develop a solution that can effectively manage single-use plastic waste and promote a circular economy for plastic. The solution should address the challenges of plastic waste collection, segregation, and recycling, and should also take into account the potential environmental and social impact of plastic recycling and disposal methods. The solution should be scalable, affordable, and accessible to all segments of the population, including low-income households. The solution should consider fostering collaboration between the needs and concerns of all stakeholders, including government, producers, consumers, recyclers, and regulators. The solution may also address harnessing of technology and ensuring to drive circular economy modules for plastic recycling and upcycling. The solution should also promote behavior change among consumers and producers to redesigning and rethinking of single-use plastic and encourage the use of sustainable alternatives. The solution shall not reiterate what has already been covered under the Plastic Waste Management Rules.