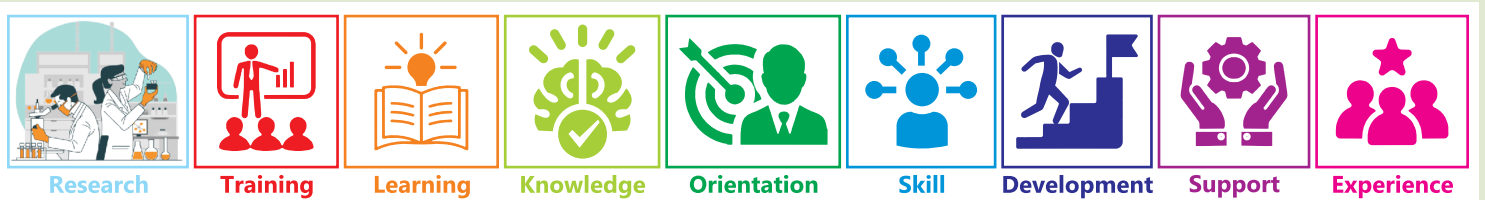




The Ministry of Housing and Urban Affairs (MoHUA), Government of India
Empanelled
Shriram Institute for Industrial Research (SRI) as
Swachhata Knowledge Partner (SKP)
for providing support in terms of Technical Assistance and Training
for implementation of
Swachh Bharat Mission (SBM-U) 2.0

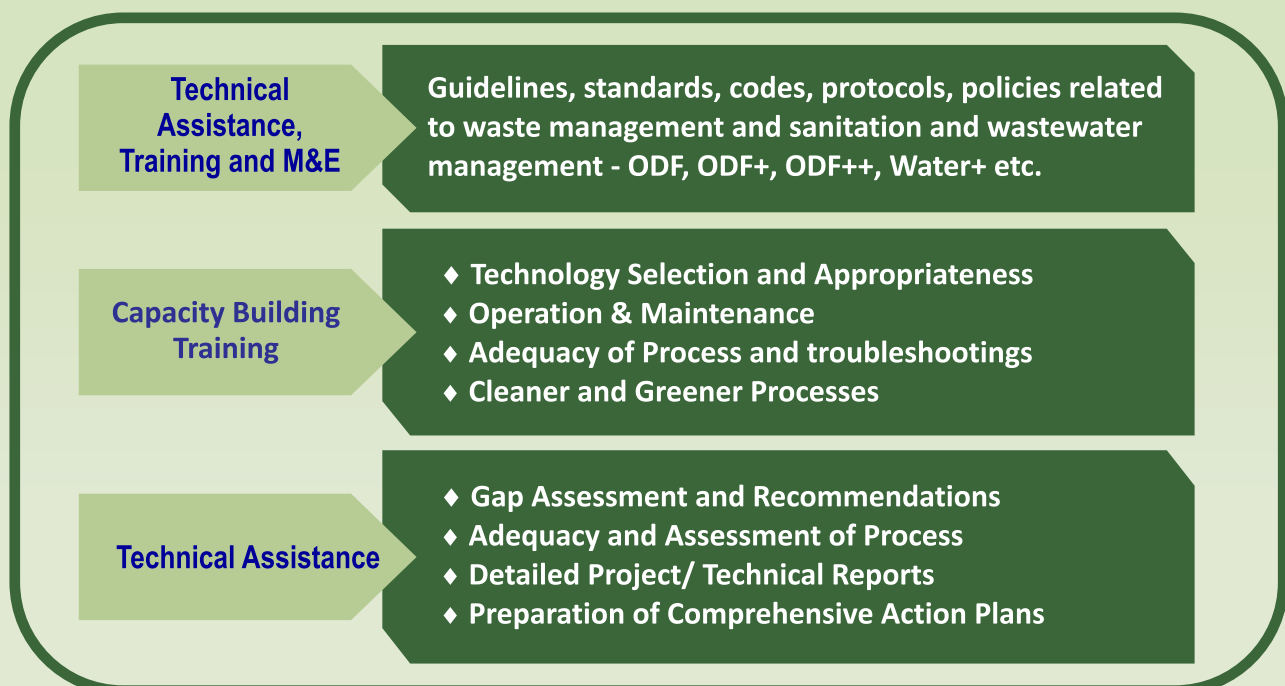
SRI's Thrust Areas



Preamble

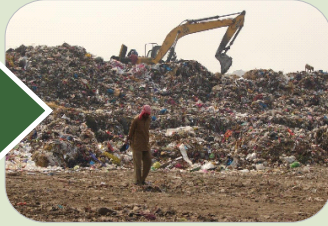
The Swachh Bharat Mission-Urban 2.0 (SBM-U 2.0) has been launched on 1st October, 2021, with the overall objective of creating 'Garbage-Free Cities'. This implies that all municipal solid waste (including construction and demolition waste and plastic waste), and liquid waste (including grey and blackwater) in cities is safely collected, processed and scientifically treated so that no untreated wastewater is discharged into water bodies, and no untreated municipal solid waste is sent to landfills. The Mission also emphasises on imbuing the spirit of a circular economy with a focus on waste to wealth initiatives. Based on the learnings gained from the first phase of SBM-U, and in view of the expanded Mission mandate in the second phase, there is a crucial need to build the capacities of every stakeholder associated with the Mission by equipping them with sufficient human resources as well as the knowledge and skills to effectively plan, implement, manage, and sustain the Mission initiatives. The National Capacity Building Framework for Garbage-Free Cities, March 2022 envisages support of relevant Capacity Building Organizations and institutions for delivery and end-to-end management of the capacity building trainings. In this regard, the concept of Swachhata Knowledge Partners (SKPs) has been conceptualized to play the pivotal role in designing, implementation and evaluation of the CB trainings to be conducted across the country. States and ULBs can engage the SKPs and drive forward capacity building trainings and initiatives to suit their context and local needs. Accordingly, 23 SKPs have been empanelled by Ministry of Housing and Urban Affairs (MOHUA) through an open selection process conducted by National Institute of Urban Affairs (NIUA). The Shriram Institute for Industrial Research (SRI), A Unit of Shriram Scientific and Industrial Research Foundation, is one of the empanelled SKPs to support States and Union Territories in the thematic areas related to sanitation sector in the form of technical knowledge sharing and Monitoring & Evaluation (M&E).

How SRI can support Urban Local Bodies



SRI's Thrust areas to support Swachh Bharat Mission

Solid Waste Management



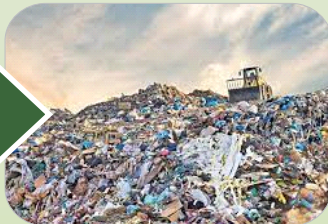
- ❖ Thermochemical Process: Waste to Energy
- ❖ Biochemical Process: Composting
- ❖ Adequacy of Technologies

Legacy Waste Management



- ❖ Bio-remediation and Bio-mining
- ❖ Leachate Management
- ❖ Refused Derived Fuel

Plastic Waste Management



- ❖ Material Recovery Facilities
- ❖ Alternatives to Single-use Plastics
- ❖ Plastic Recycling and EPR

C&D Waste Management



- ❖ Utilization of Waste in Concrete Aggregates
- ❖ Quality Control and Certification
- ❖ Sustainable Model of Waste Management

E-Waste Management



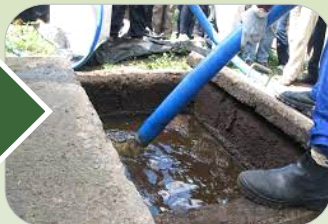
- ❖ Waste Inventorization
- ❖ Greening of Recycling Operations
- ❖ Resource Efficiency & Cleaner Operations

Used Water Management



- ❖ Adequacy of Technologies & Process Control
- ❖ Used Water Recycling Applications
- ❖ Sustainable Model for Water Reuse

Faecal Sludge & Septage Management



- ❖ Design for Co-treatment Facilities
- ❖ Adequacy of System
- ❖ O&M and Sustainability Aspects

- ❖ Capacity Building Training
- ❖ Preparation of Action Plan
- ❖ Process Control Study; Monitoring & Evaluation

About Shriram Institute for Industrial Research

Shriram Institute for Industrial Research (SRI), a Unit of Shriram Scientific and Industrial Research Foundation, is an independent, self-sustaining, multi-locational contract research organization of international repute dedicated to support wide-spectrum of stakeholders through industrial research. The major thrust areas of SRI are Environment Protection, Material Sciences, Biological Sciences, Analytical Sciences, Calibration Processes and Radiation for Sterilization. The SRI is a registered Scientific and Industrial Research Organisation (SIRO). The SRI is having eminent scientists, academicians and industrialists on its Board of Governors. The SRI is accredited by the NABL as per ISO/IEC-17025:2017 in addition to certifications as per ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 standards.

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