

# END TO END WASTE MANAGEMENT SOLUTIONS



Sustainable Environment Initiatives



25 years of infrastructure development in  
public and private domain

# About Us

SPML Enviro is an integrated environment solution provider arm of Subhash Projects and Marketing Limited (SPML)

SPML Enviro together with its joint-venture partners, has proven capabilities to successfully execute projects on turn-key basis involving:

- **Solid Waste Management Solutions**  
-Collection, Segregation, Transportation, Treatment and Disposal
- **Waste Water Management Solutions**  
-Collection, Treatment, Reusability Solutions, Processing Solutions, Scientific Disposal
- **Sewer Rehabilitation Solutions**

## Our Portfolio

- Integrated Municipal Solid Waste Management
- Collection, Transportation & Disposal of Municipal/Hazardous Waste
- Segregation and recycling of Municipal Waste
- Construction & Management of sanitary landfill
- Construction & Operation of compost plant and waste to energy plant
- Transportation, processing and disposal facilities
- Public awareness and information campaigns
- Research & development



## Our Solutions for:

- Government bodies
- Airports
- Industrial/Manufacturing Units
- Special Economic Zones
- Hospitality Sector
- Residential communities/Private enterprises
- Health care sector

## Our Proven Capability

### Collection Management – Solid Waste: Signature projects

#### Delhi Waste Management Initiative

- Operational Area – Central, South & City Zones covering 370 sq. km  
Total Solid Waste handled, 1500 Tons per day(TDP) approximately
- Manages 778 waste storage depots, around 60 hydraulic vehicles including compactors, dumper placers and hook loaders
- Technology enabled process - Application of Enterprise Resource Planning (ERP), online route management devices including Global Positioning System (GPS)

#### Delhi & Hyderabad Airport Project

**Delhi Airport Waste Management** – Complete waste management - collection, transportation and disposal at the Delhi airport

**Hyderabad Airport Waste Management** - Complete waste management of Hyderabad airport including waste collection, segregation and disposal, on license basis.



## Treatment Management - Signature projects

SPML Enviro has invested in the necessary resources and partnerships to provide solid and water treatment solutions. Our expertise include:

Solid waste-to-resources' solutions – universal, industrial and medical waste

SPML Enviro has tied up with PEAT International, North Illinois, USA, a waste-to-resources company specializing in treating and converting waste to usable resources. PEAT's proprietary Plasma Thermal Destruction Recovery (PTDR) technology is an environmentally friendly process, which converts wastes into non-toxic synthetic gas (which is a valuable source of alternative energy) and other useful end-products.

The PTDR is a proven, cost-effective, environmentally clean and commercially viable solution for waste remediation.

Sewage and effluent treatment solutions

SPML Enviro has proven capabilities in end-to-end sewage/effluent treatment:



Project Name	Client/ Concession Authority
Okhla sewage treatment plant - 72MLD	Delhi Jal Board
Bewana common effluent treatment – 35 MLD	Delhi State Industrial Development Corporation
Yelahanka primary/tertiary sewage treatment plant-10 MLD	Bangalore Water Supply and Sewerage Board
Okhla common effluent treatment plant-24 MLD	Delhi State Industrial Development Corporation
Sewage treatment plant Mysore-60 MLD	Karnataka Water Supply and Sewerage Board

## Sewer Rehabilitation: Signature projects

### New Delhi Municipal Council (NDMC) project

SPML executed NDMC project in Satya Sadan to rehabilitate their old brick barrel of 1150mm dia for the distance of 184mtr. The project was executed using the pioneering trenchless technology.

Under Investigation:

West Delhi Trunk Sewer of 1676mm dia, distance 7.04Kms – For Delhi Jal Board

Jail Road Trunk Sewer of 1422mm ,1600mm, 1800mm dia, distance 6.97 Kms – For Delhi Jal Board

### Sewer Rehabilitation Process

- Diversion of flow with adequate pumping facilities
- Cleaning of sewer and de-silting with the help of modern machines like Super sucker and silt loaders
- Internal condition and CCTV inspection survey
- Repair works prior to structural lining if required
- Structural lining (CIPP Liner)
- Manhole rehabilitation
- Post rehabilitation cleaning and CCTV



# Our Combined Prowess

Partnerships/Joint Ventures – Technology and Best Practices

## Sewer Rehabilitation



SPML has formed a joint venture with the US based Company INSITUFORM Technologies (INC.). INSITUFORM, is a pioneer in sewer rehabilitation projects world wide. The Company brings with them a No Dig Technology, which eliminates replacement of old sewers. In this, pipe within a pipe concept - a liner is inserted into the sewer, which makes it as good as new.

## Waste to Usable Products



SPML has tied up with PEAT International, headquartered in North Illinois, a waste-to-resources company specializing in the deployment of it's proprietary Plasma Thermal Destruction Recovery (PTDR) technology for the treatment and recycling of a wide range of waste feed stocks including industrial, universal and medical waste.

The PTDR system provides a permanent fully self contained platform for organizations seeking an efficient environmental and economical terminal treatment disposal solution.

## Solid Waste Management



Delhi Waste Management was formed in 2004 as a Special Purpose Vehicle (SPV) in the Public Private Partnership (PPP) format for collection, segregation and transportation to landfill sites of municipal waste. Over 1000 employees are employed as a part of this initiative.

## ABOUT SPML

Subhash Projects and Marketing Limited (SPML) is a leading Engineering and Infrastructure development organization with 26 years in Water, Power and Infrastructure.

Today SPML is surging ahead in Urban Infrastructure, Solid Waste Management, Water and Waste Water Systems, Cross Country Pipelines, Ports and SEZs, through BOOT/PPP initiatives.

Vision	Core values
Build world class infrastructure with passion and innovation to make human life comfortable	Customer orientation Wealth creation Employee empowerment Systems and processes Teamwork and cooperation Pro-activeness and innovation



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