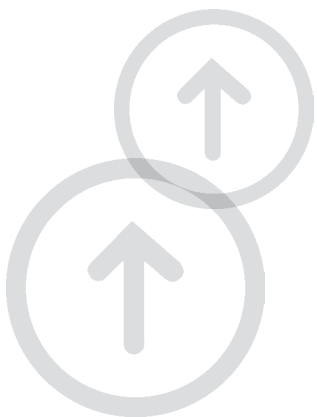


Developing Infrastructure in Delhi



Vision

*Creating with passion and innovation, world class
Infrastructure to make human life comfortable.*

Mission

*Profitable growth through superior project management,
innovation, quality and commitment.*

Philosophy

*To us at SPML, success is a measure of promises kept. It is
the single most cherished dream in every project that we
have decided to undertake. Commitment to the cause is
what has driven us in the last three decades. And
commitment is the key in times ahead.*

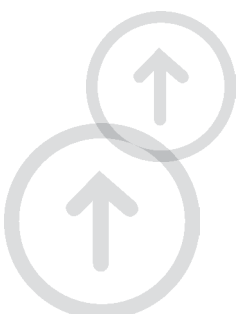


SPML - Making human life comfortable with world class Infrastructure



SPML Infra Ltd. is a leading infrastructure development company with more than three decades of multi-disciplinary experience of implementing over 600 projects in India. The Company has installed world class infrastructure for Water Supply & Management, Water Treatment and Transmission, Operation & Maintenance and PPP in Water Sector, Waste Water Treatment & Re-Use, Power Transmission & Distribution, Rural Electrification, Roads & Highways and Municipal Solid Waste Management. An ISO-9001:2008 certified company; SPML has established its leadership in high technology construction of India's vital urban infrastructure on an EPC, PPP and BOOT basis. SPML Infra is the only Indian company to be featured in the World's Top 50 Private Water Management Companies. SPML Infra has been conferred with a number of prestigious national and international awards for excellent project execution in water supply and infrastructure development.

SPML's association with Delhi is very special and it has executed a number of water, wastewater, sewer line rehabilitation and municipal solid waste management projects to create significant value that has touched the lives of millions of people in Delhi.





Water Supply Projects

SPML is one of the largest contributors to water infrastructure development in Delhi. It is promoting sustainable water management a task that is increasingly becoming important and complex as the water supply reduces and demand rises. SPML is making significant contributions towards improvement in water supply and distribution network in Delhi with its two ongoing projects. SPML is also working consistently towards conserving the precious natural resources by creating awareness for reducing wastage, losses and optimal use of water.

Wastewater Treatment Projects

SPML provides solutions for proper treatment and disposal of municipal and industrial wastewater to ensure that the generated wastewater does not harm our delicate ecosystem and is recycled for further usage. It also helps industries to meet the ever increasing industrial wastewater regulations, while improving efficiency and reducing waste disposal costs. SPML has constructed a number of sewage and effluent treatment plants in Delhi including one of the largest CETP in the country, 35 MLD Bawana CETP.

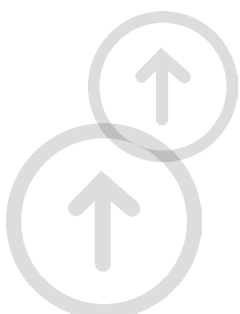


Sewer line Rehabilitation Projects

SPML has contributed immensely to improve the sewerage network in Delhi by using Cured-in-Place Pipe (CIPP), a trenchless rehabilitation technology providing a joint less, seamless, pipe-within-a-pipe that protects against spills, breaks etc. This modern technology is faster, reliable and non-disruptive solutions that has revolutionized the sewer rehabilitation process in India.

Municipal Solid Waste Management Projects

SPML is a leader in municipal solid waste management and handles over 1.2 million tonnes of waste per year. In Delhi it provides waste management services to over 3.5 million population. Also providing waste management services to Indira Gandhi International Airport at both International and Domestic Terminals that caters to more than 30 million passengers every year.





Water Supply Improvement Projects



Project	Water Supply Improvement Scheme, Mehrauli-Vasant Vihar
Client	Delhi Jal Board
Status	Under Execution

Scope and project component

Design, engineering, construction, supply, erection, testing & commissioning of:

- 78 kms of water supply pipeline of 100-600 diameter of HDPE, DI & MS Pipe and augmentation of 6.5 kms of transmission mains
- Construction of Under Ground Reservoir to enhance storage capacity from 4.3 million litres to 18.3 million litres
- Installation of 42000 water meters with billing & collection
- Rehabilitation and improving service levels of water supply system, house service connections, reduction of non-revenue water, expansion of piped water supply to unconnected areas within the service area
- 24x7 Consumer Service Centre and Operation & Maintenance for 10 years.

This water supply improvement project was initiated to enhance service delivery and improved management of water distribution by upgrading Water Supply System and Network Improvement to significantly reducing Non-Revenue Water (NRW), conserving energy, improving water quality along with revenue collection efficiency and extension of water supply in not connected areas. The key development of this project so far:

- Water supply has increased from less than 2 hours per day to 24 hours per day in West End, Improved water supply in other areas as well
- 100% New House Service Connections in West End and almost complete in other areas
- New energy efficient Pumping Station, energy consumption has reduced drastically
- Non-Revenue Water reduced from 61% to 6% in West End, progress in other areas
- All bore wells have been phased off thereby removing the chances of contamination
- Tanker complaints have reduced to nearly zero
- House Service Connections, Customer Relationship Management (CRM), Inventory Management and HR Management is being processed and managed by SPML Aqua, an in-house IMIS system.



Water Supply Improvement Projects



Project	Water Supply Improvement Scheme, Malviya Nagar
Client	Delhi Jal Board
Status	Under Execution

Scope and project component

Design, engineering, construction, supply, erection, testing & commissioning of:

- 105 kms of water supply pipeline of 100-700 diameter of HDPE and DI Pipe
- Replacement & up-gradation of 40 kms of pipelines including trenchless works
- Rehabilitation and replacement of approximately 51,000 service connections
- Rehabilitation, O&M of the Water Distribution Network throughout the Project Area
- Non-Revenue Water (NRW) reduction
- Metering, billing and collection from the Project Area Consumers
- Consumer Complaint Redressal Mechanism
- 24x7 Consumer Service Centre
- Operation & Maintenance for 12 years

This project for improvement in drinking water supply and distribution management will provide drinking water facility to almost half a million population of Malviya Nagar, Saket, Shivalik, Panchsheel Park, Sheikh Sarai Phase I & II, Khirki, Khirki Extn., Lado Sarai, Qutub Institutional Area, Saidul Ajaib, Katwaria Sarai, Sarvodaya Enclave, NCERT, Adhchini, Nav Jeevan Vihar, Kalusarai, Begumpur, Neb Sarai, Savitri Nagar, Hauz Rani and Geetanjali colonies with round the clock consumer service centre.





Water Supply Projects



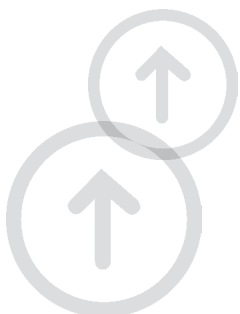
Project	Wazirabad Water Supply Transmission Main
Client	Delhi Jal Board
Status	Commissioned in 2012

Scope and project component

Design, engineering, construction, supply, erection, testing & commissioning of:

- Raw water arrangement for the treatment plant at Wazirabad
- Laying & commissioning of 9.11 km 2420 mm and 3100 mm diameter Twin MS Pipeline both above ground and underground including trenchless

The project has been undertaken with a view to improve raw water arrangement for the treatment plant at Wazirabad and fulfill drinking water requirements of South Delhi and other parts of Delhi through laying & commissioning of MS Pipeline and associated civil works.





Water Supply Projects

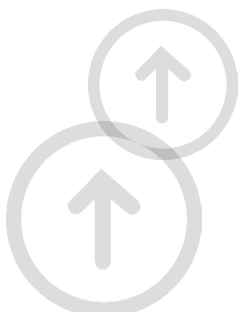


Project	Replacement of Water Mains and Reservoirs at Jal Vihar
Client	Delhi Jal Board
Status	Commissioned in 2012

Scope and project component

Supply, erection, testing & commissioning of:

- 9 Km cement mortar and outside wrapping/coating lined MS Pipe line of 600 mm to 1200 mm dia both above ground and underground including trenchless
- Supply and fixing of appurtenances
- Piling work for 900 & 1200 mm dia pipe lines
- Construction of pipe support for 900 & 1200 mm dia pipe line
- Supply different size of Valves and construction of Valve Chambers for 600, 800, 900 & 1200 mm dia pipe lines
- Supports for below the Railway Xings for 600, 800, 900 & 1200 mm dia pipe lines
- Anchor Blocks / Thrust Blocks for all pipe lines
- Horizontal direction drilling of 800, 900 & 1200 mm dia pipe lines including providing casing pipes
- Maintenance of existing and running PSC Kailash and Jalvihar mains





Water Supply Projects



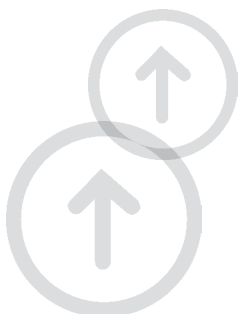
Project 13 ML UGR & Pumping Station at Usmanpur
Client Delhi Jal Board
Status Commissioned in 2010

Scope and project component

Supply, erection, laying, testing & commissioning of:

- 13 Million Litres Under Ground Reservoir with two compartments of 6 Mtrs water depth & 0.5 Mtr free board
- 5 Nos horizontal, split casing centrifugal pumps (3 working + 2 standby) of 36 MLD capacity each at 1500 CuM/hr at 40 MWC
- Construction of 29.0 X 3.1 X 7.4 Mtr Sump
- 13 Nos Sluice valve of 500 – 900 mm dia
- 2 Nos - 1500 MM X 1500 MM Sluice Gate
- 2 Nos of 1250 Kv Transformers with other electrical and mechanical works

This project was undertaken to augment the drinking water distribution system in Brahampuri Phase-II, East Delhi area.





Water Meter Project



Project	Water Meter Project – AMR/Non-AMR Consumer Meter
Client	Delhi Jal Board
Status	Under Execution

SPML is executing India's largest Water Meter project in Delhi to install 1,80,000 AMR and 60,000 Non AMR Meters with 7 years of operation & maintenance post commissioning.

The AMR meter provides direct reading system that could help solve meter reading problems and increase efficiency, enabling more meters can be read in less amount of time with greater accuracy. Consumer data and AMR metering data are processed and managed by in-house developed Integrated Management Information System, SPML Aqua.

Key features of AMR Water Meters

- 15 MM diameter
- Accurate meter reading
- Accurate billing
- Improved security and tamper proof meters
- Integration with remote meter reading devices, no disturbance by meter readers as reading can be taken from distance
- Easy for users to view consumption, billing
- Alerts for leak, back flow, tamper, battery etc.
- Free maintenance of meter by DJB for 7 years
- Long battery life upto 9 years





Water Meter Projects



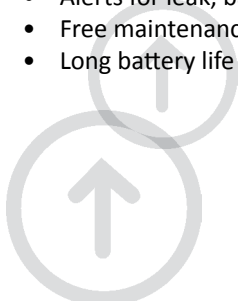
Project	Water Meter Project – GPRS Enabled Bulk Meter
Client	Delhi Jal Board
Status	Under Execution

SPML is executing Metering project in Delhi to install about 2,800 GPRS enabled Bulk Water Meters with 4 years of operation & maintenance post commissioning.

The Bulk Meters have a capacity of 15 mm to 300 mm diameters for institutional and industrial water use measurement. It provides online reading that could help solve meter reading problems and increase efficiency

Key features of Bulk Water Meters

- Online reading through GPRS technology
- It has wide measuring rate that enable it to serve for different applications
- No sensitivity to working conditions like vibrations etc.
- No sensitivity to humidity conditions (even if meter chamber is full of water)
- Bearings and materials used in the meter are of very high quality to ensure long life
- Magnetic Coupling - the meter has a unique measuring unit in which only one moving element is in contact with water for accurate measuring, reading and billing
- Alerts for leak, back flow, tamper, battery etc.
- Free maintenance of meter by DJB for 4 years
- Long battery life upto 9 years





Water Meter Projects



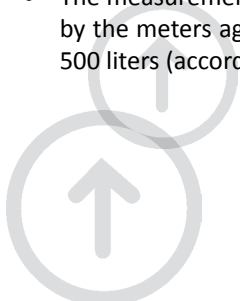
Project	Water Meter Testing Bench
Client	Delhi Jal Board
Status	Functional

The accuracy of a water meter is a matter of concern for the customer and the service provider. SPML has set up a meter testing facilities as per the guidelines and ISO standard at Jal Vihar, Delhi for mechanical water meters and electromagnetic or ultrasonic flow meters, from DN15 to DN300 as per the standard ISO 4064-3; IS 779 and IS 6784:1996 (2002).

Key features:

Two independent test benches are installed and operating :

- The first one is for water meters of 15 mm size dedicated to the Domestic water metering project which is able to test 10 meters at a time.
- The second one is for water meters from 15 mm to 40 mm size dedicated to the industrial water metering project having capacity is 10 meters of 15 mm; 8 meters of 20 mm; 6 meters of 25 mm and 4 meters of 40 mm size.
- Any meter can be removed and replaced without disturbing the others. Inlet and outlet piping remains stationary.
- Independent manual flow throttle valves with Rotameters (Variable area Flow Meter) in each line allow easy adjustment of Flow rate.
- The measurement of errors of the meters under test (UUT) at various flow rates are calculated by comparing the volumes read by the meters against water collected - during Each Campaign - in the Stainless Steel Tanks of Nominal volumes 100 liters and 500 liters (according to flow values) mounted on the Matching Weighing Scales.





Waste Water Projects

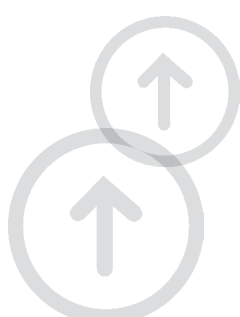


Project 72 MLD Sewage Treatment Plant, Okhla
Client Delhi Jal Board
Status Commissioned in 2004

Scope and project component

Design, engineering, construction, supply, testing & commissioning of

- 72 MLD sewage Treatment Plant
- Engineering & mechanical equipment
- Testing & commissioning and process/technology based on activated sludge process
- Gas Mixing Technology
- Gasholder and compressor
- Conservation of environment - a cleaner/better community
- Operation and Maintenance for 18 Months.





Waste Water Projects



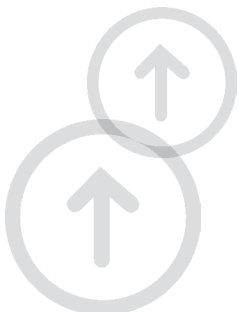
Project	25 MGD Effluent Pumping Station at Rithala
Client	Delhi Jal Board
Status	Commissioned in 2011

Scope and project component

Design, engineering, construction, supply, erection, testing & commissioning of:

- 25 MGD Effluent Pumping Station
- Twin Transmission Mains for carrying 33.34 MGD treated effluent from EPS at Rithala to Pragati Power Plant at Bawana
- 27 kms of 900 mm dia DI twin transmission pipeline including trenchless
- PLC & SCADA
- Treated water was used to generate electricity during the IX Commonwealth Games held in Delhi in 2010
- Operation and Maintenance for 6 years.

The scheme was considered to utilize the treated sewage water which was being discharged to the nearby Nallah to fulfill the requirement of water at Pragati Power Generation Plant based at Bawana. This project helped in saving almost 34 million gallons of fresh water everyday.





Waste Water Projects

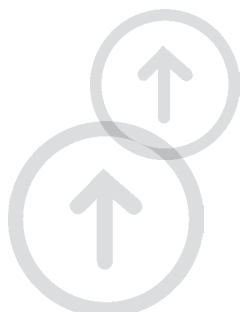


Project	90 MGD Effluent Pumping Station & Rising Mains at Yamuna Vihar
Client	Delhi Jal Board
Status	Commissioned in 2011

Scope and project component

Design, engineering, construction, supply, erection, testing & commissioning of:

- 90 MGD Effluent Pumping Station
- Process, hydraulic and structural design, civil works
- Tools and plants including spares, supply, erection of electrical & mechanical equipment
- Rising Mains from Pumping Station at Yamuna Vihar to down stream at Wazirabad and outfall structure at Yamuna River
- Operation and Maintenance for 10 years.





Waste Water Projects

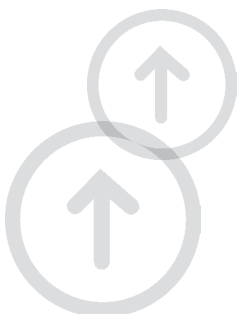


Project	53.5 MGD Sewerage Pumping Station & Rising Main at Preet Vihar
Client	Delhi Jal Board
Status	Under Execution

Scope and project component

Design, engineering, construction, supply, erection, testing & commissioning on Design, Build and Operate basis of:

- 53.5 MGD Sewage Pumping Station
- Rising Main & Other Related Associated / Allied Appurtenant works
- 7.2 Kilometers pipe laying of HDPE pipes of 1200 mm dia for sewage transportation including trenchless work
- Construction of Pump House by well sinking of dia 21.0 Mtrs
- Construction of Screen Chamber by Touch Pile Cofferdam
- Interconnection of new rising main to existing rising main
- Construction of 3 Nos Truss Bridge
- Shifting of 2 Nos existing drinking water line and 800 mm dia sewer line
- Construction of Master Control Centre
- Operation & Maintenance for 10 years





Waste Water Projects



Project 35 MLD Common Effluent Treatment Plant (CETP) at Bawana
Client Delhi State Industrial and Infrastructure Development Corporation Ltd. (DSIIDC)
Status Commissioned in 2011

Scope and project component

Design, engineering, construction, supply, erection, testing & commissioning on Design, Build and Operate basis of:

- Three tier treatment (primary, secondary & tertiary)
- Sludge treatment and handling
- Three Pumping Station and Rising Main
- Area of Plant spread into 53,000 square meter
- Operation & Maintenance for 3 years

Discharge Quality

Parameter	Influent	Treated Discharge	EPA Standards of treated effluent
pH	7-7.5	7-7.5	5.5-9
TSS, mg/l	1150-1750	38-70	100
COD, mg/l	700-900	80-120	250
BOD (3 days at 27) mg/l	150-300	18-26	30

The largest CETP in Delhi to serve more than 20,000 industrial units in Bawana and treated water to be reused in horticulture for the green belt and parks. The treatment facility has been built to treat the peak load of 70 million litres per day in future as the industrial activity will increase.



Waste Water Projects



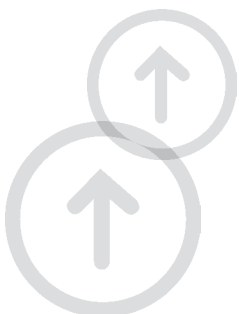
Project	24 MLD Common Effluent Treatment Plant (CETP) at Okhla
Client	Delhi State Industrial and Infrastructure Development Corporation Ltd. (DSIIDC)
Status	Commissioned in 2004

Scope and project component

Design, engineering, construction, supply, erection, testing & commissioning on Design, Build and Operate basis of:

- 24 MLD Effluent Treatment Plant
- Pumping Station
- 2.77 km Rising Main and Appurtenant work
- Process/technology based on activated sludge process with Gas Mixing Technology
- Gasholder and Compressor
- Sludge Thickener, Vacuum Filter Building, Administration Building, Chemical Storage Building, Equalization Tank, HT, LT Panels, Transformers etc.

This CETP is treating the effluents from almost 4000 manufacturing and industrial units of Okhla Industrial Area, Phase I, II and III.





Waste Water Projects



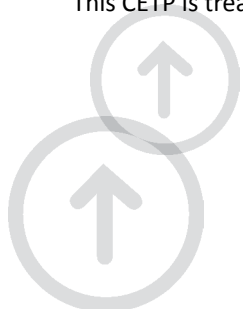
Project	21.6 MLD Common Effluent Treatment Plant (CETP) at Naraina
Client	Delhi State Industrial and Infrastructure Development Corporation Ltd. (DSIIDC)
Status	Commissioned in 2009

Scope and project component

Design, engineering, construction, supply, erection, testing & commissioning on Design, Build and Operate basis of:

- 21.6 MLD Effluent Treatment Plant
- Pumping Station
- Rising Main with 600 mm dia DI Pipeline
- Circular Raw Water Pump House
- Equalization Tank, Holding Tank, Grit and Screen Channel, Flash Mixer, Tube Settler, Flocculation Tank and Sludge Thickener
- Process/technology based on activated sludge process with Gas Mixing Technology
- Gasholder and Compressor
- Supply & erection of electrical and mechanical including instrumentation
- HT, LT Panels, Transformers, Pressure Gauges and Flow Meter
- Operation & Maintenance for 3 years

This CETP is treating the effluents from almost 1000 manufacturing and industrial units of Naraina Industrial Area.





Waste Water Projects



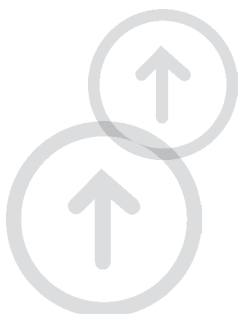
Project	12 MLD Common Effluent Treatment Plant (CETP) at Lawrence Road
Client	Delhi State Industrial and Infrastructure Development Corporation Ltd. (DSIIDC)
Status	Commissioned in 2009

Scope and project component

Design, engineering, construction, supply, erection, testing & commissioning on Design, Build and Operate basis of:

- 12 MLD Effluent Treatment Plant
- Pumping Station
- Equalization Tank, Holding Tank, Grit and Screen Channel, Flash Mixer, Tube Settler, Flocculation Tank and Sludge Thickener
- Process/technology based on physio-chemical treatment process

This CETP is treating the effluents from almost 500 manufacturing and industrial units based at Lawrence Road Industrial Area.





Pipeline Rehabilitation Projects

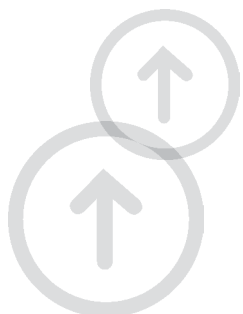


Project	Refurbishment of Trunk Sewerage System in Delhi – Package 3, Rehabilitation of West Delhi Trunk Sewer
Client	Delhi Jal Board
Status	Completed in 2012

Scope and project component

- Refurbishment of Trunk Sewerage System in West Delhi
- Rehabilitation of 7 Km Trunk Sewer by Cured-In-Place-Pipe (CIPP) structural lining of 1676 mm dia
- Desilting, CCTV monitoring inside the pipes for seamless joints
- The smooth, jointless surface provided by CIPP lining increases flow capacity inside the rehabilitated pipe
- Manhole rehabilitation

Cured-in-place Pipe (CIPP) is a trenchless rehabilitation technology providing a joint less, seamless; pipe-within-a-pipe that protects against spills, breaks etc. It is used for the first time in India. CIPP also reduces maintenance costs over the life of the pipeline due to its smooth interior that is abrasion resistant and eliminates joints and seams that may separate over time.





Pipeline Rehabilitation Projects

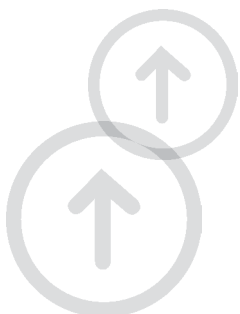


Project	Refurbishment of Trunk Sewerage System in Delhi – Package 5, Rehabilitation of Trunk Sewer at Jail Road
Client	Delhi Jal Board
Status	Completed in 2012

Scope and project component

- Refurbishment of Trunk Sewerage System on Jail Road in Delhi
- Rehabilitation of 6.7 Km Trunk Sewer by Cured-In-Place-Pipe (CIPP) structural lining of 1422 mm, 1676 mm & 1828 mm dia pipes
- Desilting, CCTV monitoring inside the pipes for seamless joints
- The smooth, jointless surface provided by CIPP lining increases flow capacity inside the rehabilitated pipe
- Manhole rehabilitation

The pipeline rehabilitation through CIPP technology at busy intersections at Jail Road was completed with minimum disturbance to the traffic, market areas and residents.





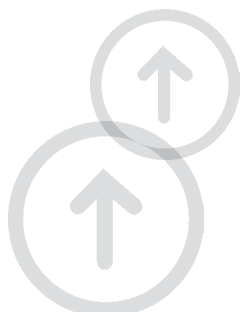
Pipeline Rehabilitation Projects



Project	Refurbishment of Trunk Sewerage System in Delhi –Rehabilitation of Trunk Sewer at Kalkaji
Client	Delhi Jal Board
Status	Completed in 2012

Scope and project component

- Refurbishment of Trunk Sewerage System in Kalkaji, Delhi
- Rehabilitation of 3.6 Km Trunk Sewer by Cured-In-Place-Pipe (CIPP) structural lining of 600 mm, 750 mm, 900 mm, 1050 mm & 1350 mm pipes
- Desilting, CCTV monitoring inside the pipes for seamless joints
- The smooth, jointless surface provided by CIPP lining increases flow capacity inside the rehabilitated pipe
- Manhole rehabilitation





Pipeline Rehabilitation Projects

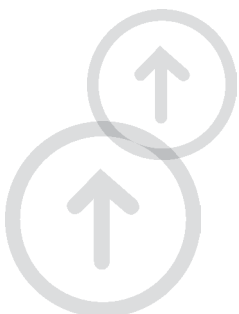


Project	Refurbishment of Trunk Sewerage System at Ashoka Road
Client	New Delhi Municipal Council (NDMC)
Status	Completed in 2012

Scope and project component

- Desilting and rehabilitation of old sewer at Kushak Nullah at Brig. Hoshiyar Singh Road-Ashoka Road
- Rehabilitation of 1.3 Km Trunk Sewer with 940x1370 mm dia pipeline
- Cured-In-Place-Pipe (CIPP) structural lining method
- Pre and post CCTV survey

Cured-in-place Pipe (CIPP) for rehabilitation of Trunk Sewer at extremely busy Ashoka Road in Delhi was executed without any hindrance to traffic and any disturbance to the normal life of the establishment, VIP residences, offices etc.





Pipeline Rehabilitation Projects

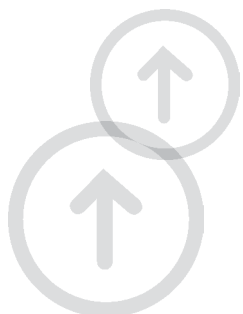


Project	Refurbishment of Trunk Sewerage System for Metro Stations
Client	Delhi Metro Rail Corporation (DMRC)
Status	Completed in 2012

Scope and project component

- Desilting and rehabilitation of old sewer for Metro Stations at Jangpura and Jawaharlal Nehru Stadium
- Rehabilitation of 0.8 Km Trunk Sewer with Cured-In-Place-Pipe (CIPP) structural lining of 1600 mm dia sewer pipeline
- Separate works at both Jangpura and Jawaharlal Nehru Stadium
- Pre and post CCTV survey

Cured-in-place Pipe (CIPP) for rehabilitation of Trunk Sewer at congested residential area of Jangpura was extremely difficult, but it was executed without any hindrance to traffic and any disturbance to the normal life of the residents.





Infrastructure Development Project

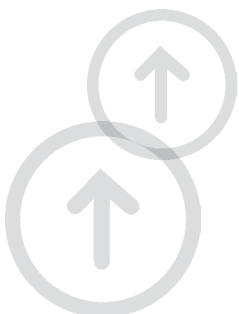


Project	Construction of Infrastructure Project at Bawana Industrial Area
Client	Delhi State Industrial and Infrastructure Development Corporation Ltd. (DSIIDC)
Status	Completed in 2002

Construction of Infrastructure works (Water Supply, Industrial Waste Water cum Sewerage System, Storm Water Drainage and Internal Roads) for Sector 3 of Bawana Industrial Area for the relocation of Industries from other parts of Delhi.

Scope and project component

- 31 Kms of Water Supply Pipeline with 100 - 500 mm dia DI pipe
- Sewerage System - 30 Kms Deep Sewer Line with RCC Pipe of 300 - 1200 mm dia
- 43 Kms of Storm Water Drainage
- 3 Kms of RCC Pipe Drain with 1400 - 2000 mm dia
- Reinforcement 687.67 Mt
- Construction of Road Embankment with 260 tcm and Premix Carpet with 231 tcm
- Earth work excavation 30,000 Cum





Infrastructure Development Project

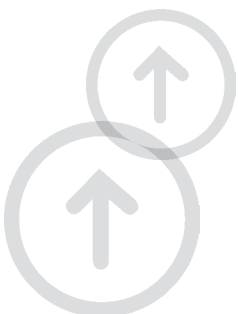


Project	Covering of Open Nallah at R K Puram to Create Parking Space for Commonwealth Games 2010
Client	Municipal Corporation of Delhi
Status	Completed

For the IX Common Wealth Games 2010, Delhi Public School, R. K. Puram was one of the training venue for players of Commonwealth Games and there was a requirement to create road and parking space as well as smooth movement of traffic near DPS, R. K. Puram. To create the facility, Municipal Corporation of Delhi decided to cover the Nallah (drain) opposite DPS upto Ring Road. In the scheme it was proposed to cover the Nallah in a width of 6-12 mtrs of approximately 800 meters.

Scope and project component

- Covering of 850 meters open Nallah (drain) opposite Delhi Public School at R K Puram Sector-IX in order to provide road cum parking over drain including civic facilities and proper entry and exit.
- 370 mtr x 8 mtr = 2960 sq mtr parking area created after covering the Nallah .





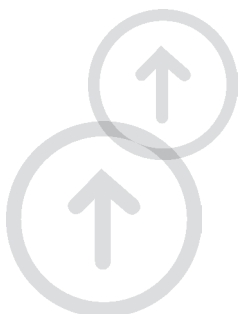
Waste Management Projects



Project	Delhi Waste Management
Client	Municipal Corporation (South, North & East)
Status	On going sine January 2005

Scope and project component

- Waste Collection, Storage, Segregation and Transportation in Delhi
- Over 1500 metric Tonnes of waste collected every day
- Serving in South, Central and City zones of Delhi covering population of over 35,00,000 (3.5 million)
- Collection of waste and segregation into Biodegradable and Non-Biodegradable substances
- Transportation and delivering the collected waste after segregation at the designated sanitary landfill site
- Deployment of approximately 300 Nos. High, Medium and Light volume technologically advanced self loading and unloading compact vehicles for clean and hygienic transportation of waste from city areas to landfill sites
- Refurbishment and renovation of Dhalaos to keep them in good working condition
- Provide street corner bins across the concession areas
- Vehicle Tracking System through GPS technology
- RFID in bins for tracking and maintenance
- Creating regular awareness among residents, school students about 3R (Reduce-Reuse-Recycle) ideas
- Regular training of waste collectors for safe and effective waste segregation and management





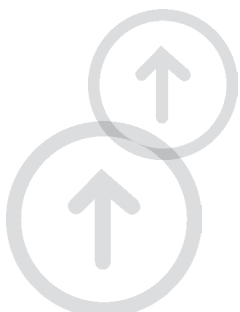
Waste Management Projects



Project	Waste Management Services at Delhi International Airport
Client	GMR
Status	On going since February 2007

Scope and project component

- Waste Collection, Storage, Segregation and Transportation
- Providing services at T3 (International Terminal), T1 (Domestic Terminal), Haj Terminal, Apron Areas, City Side and other Designated Areas catering to more than 30 Million passengers per year
- Around 20 metric tonnes of waste collected every day
- Waste is collected in separate bins
- Shifting of collected waste in covered wheeled bins to the designated storage area
- Transportation of waste to the Segregation Unit by using heavy volume compactors & light volume tipper vehicles
- Proper segregation of the collected waste
- Disposal of the waste in a safe manner after segregation of recyclables
- Designated route are followed to transport the waste from the Airport area to the designated sanitary landfill site
- Frequency of collection as per the implemented schedule
- Bins are regularly Cleaned, Maintained and Disinfected as per guidelines
- Regular training of waste collectors for effective and safe waste handling, segregation and disposal

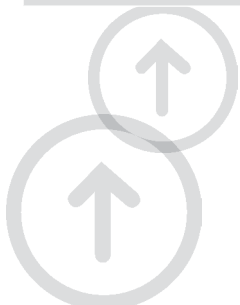




Water & Wastewater Projects

List of Projects completed with E&M Works

Project	Client	Scope of Work
Delhi Cant	Delhi Jal Board	Clear Water Pumping Station
Dwarka	Delhi Development Authority	Clear Water Pumping Station
Geeta Colony	Delhi Jal Board	Booster Pumping Station, 6 Pumps of 36 MLD capacity having 35 M ³ head
Haiderpur	Delhi Jal Board	100 MGD Clear Water Pumping Station
Lodhi Road	NDMC	Clear Water Pumping Station
Model Town	Delhi Jal Board	Clear Water Pumping Station
Palika Bazar	Delhi Jal Board	Sewer Line Rehabilitation
Peeragarhi	Delhi Jal Board	Clear Water Pumping Station
Rohini	Delhi Jal Board	Clear Water Pumping Station
Sanjay Gandhi Transport Nagar	Delhi Jal Board	Sewage Pumping Station
Shakti Nagar	Delhi Jal Board	Storm Water Pumping Station
Trilokpuri	Delhi Development Authority	Clear Water Pumping Station
Wazirabad	Delhi Jal Board	Renovation, Replacement & Rehabilitation of Pumping Station





Technology for Water Utilities



Integrated Management Information System for Water Utilities

SPMLAQUA is a powerful Integrated Management Information System designed to meet day to day operations of water distribution utilities. Developed on robust technological platform, the system seamlessly manages the entire gamut of services. It connects the entire organization with customers, suppliers, partners, contractors and employees and improves the efficiency of all operations and eventually enables the water distribution utilities to take real-time and informed decisions on time facilitating decision making.

Managing complete operations of the water distribution utility

METERING & BILLING

- AMR / Non AMR Meter Reading
- Billing Engine
- Tariff Management
- Rules Engine
- Printing Engine
- Offline Data Management
- Collection Management

CUSTOMER RELATIONSHIP MANAGEMENT (CRM)

- Commercial Database
- Customer Service
- Consumer Portal
- Complaint Management
- Consumer Contact Service Centre
- Collection Centre

NETWORK ANALYSIS & DEMAND FORECASTING

- GIS & Network Asset Management
- Network Analysis for Water
- Network Designing

- Simulation
- Schematics
- Digital Terrain Modeling

DEMAND MANAGEMENT

- Town Planning
- NRW / UFW Analysis
- Demand Analysis & Forecasting
- Capital Plan Asset Management
- Asset Creation
- Asset Movement & Tracking
- Depreciation Models

OPERATION & MAINTENANCE

- Preventive Maintenance
- Breakdown Maintenance
- Vehicle Management
- Movable & Immovable Asset Management

MATERIAL MANAGEMENT

- Spares Master
- Spares Procurement, Receipt & Issue

HUMAN RESOURCE MANAGEMENT (EMPLOYEE FRAMEWORK)

- Employee Master
- Organization Structure
- Roles & Responsibilities
- Employee Skills

BUSINESS INTELLIGENCE

- MIS Reports
- Role Based Dashboard
- Analysis

FINANCE MANAGEMENT

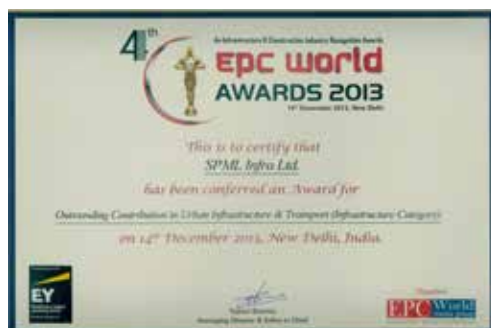
- General Ledger
- Accounts Payable
- Accounts Receivable
- Bank Management
- Asset Accounting

Karnataka Urban Water Supply & Drainage Board has already Implemented SPMLAqua for water supply management, revenue collection, debt management, meter reading and monitoring of flow measurements, demand forecasting etc. in Hubli-Dharwad for 45000 water connections.

MVV Water Utility Pvt. Ltd. has implemented it for water supply management, data management of house service connections, consumer complaint management, inventory and human resource management in Delhi for Mehrauli-Vasant Vihar water supply for 42000 water connections.

SPMLAQUA is currently managing Meter Reading, Consumer Management, Operation & Maintenance, Complaint Management etc. for 70,000 AMR meters installed in Delhi.



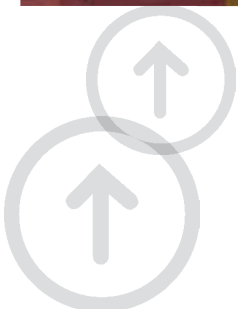




Social Awareness Campaign

SPML is working towards creating awareness to protect, preserve and promote environmental sustainability, conserve water and provide healthcare facilities to the economically weaker sections of the society.

Water Conservation Hoardings





Water Conservation Hoardings



Healthcare & Eye Camps



Cleanliness Drive at Historical Monuments





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