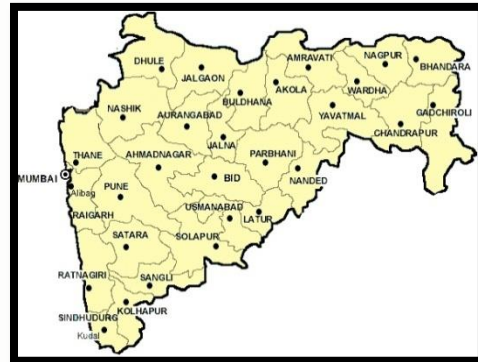


# Developing Infrastructure in Maharashtra



## **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.*

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## Area of Operation

### Water

- Water Treatment Plant
- Pumping Station
- Water Reservoir (Elevated/Ground)
- Pipeline & Distribution Network
- House Service Connection
- Metering & Billing
- Water Loss & NRW Management
- Instrumentation & IMIS
- PLC & SCADA
- O&M of Water Supply Schemes

### Wastewater

- Sewage Treatment Plant
- Effluent Treatment Plant
- Tertiary Treatment Plant
- Integrated Sewerage Network
- Sewage Pumping Station/Pipeline
- Sewer Pipeline Rehabilitation

### Power

- Power Generation
- Power Plant Construction (Thermal, Hydro, Solar, Wind)
- EHV & GIS Substations and Transmission Lines
- Sub-Transmission / Distribution Lines and Substations
- City Distribution & Management
- Balance of Plant
- Rural Electrification

### Solid Waste Management

- Collection & Transportation
- Recycling & Composting
- Scientific Landfill
- Waste to Energy
- Urban Cleaning

### Irrigation

- Dam, Canal & Barrage
  - Lift & Micro Irrigation
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# SPML - Making human life comfortable with world class Infrastructure

SPML Infra Limited is a leading publicly listed infrastructure developer that has managed and implemented over 600 projects across India on an EPC (Engineering, Procurement and Construction), PPP (Public Private Partnership) and BOOT (Build-Own- Operate-Transfer) basis.

An ISO – 9001: 2015 certified company, SPML has over three decades of multidisciplinary experience in executing world class infrastructure for power transmission and distribution, water treatment and transmission, waste water treatment & recycling and solid waste management, civil infrastructure development.

SPML has a special association with Maharashtra and have developed a number of water and power infrastructures for the state.

## **Water Supply Projects**

SPML is one of the largest contributors to water infrastructure development in Maharashtra. It is promoting sustainable water management – a task that is increasingly becoming important and complex as the water supply reduces and demand rises. SPML has made significant contributions towards water supply and distribution network and wastewater treatment and reuse in the state towards conserving the precious natural resources by reducing wastage, losses and through treatment for the irrigation.

## **Wastewater treatment & Sewer rehabilitation**

SPML is executing number of waste water treatment and sewer rehabilitation projects in Maharashtra to treat the sewage before it could be released to the water bodies.

## **Dams, Canals & Lift Irrigation**

To improve agriculture produce in Maharashtra, SPML has executed irrigation projects to benefit the small and marginal farmers.

## **Power Projects**

SPML has contributed to improve the Power potentiality of Maharashtra. It is one of the largest contributors to rural electrification in India and over a million rural household across the country have been benefited through SPML's transmission & distribution initiatives.

SPML is credited to have undertaken over 70 projects (220/110/66/33 kV sub-stations) for ESCOMs across the country and have executed a large power distribution project at Amravati, Maharashtra.



### **Rural Water Supply Projects**

Name of the Project: Regional Rural Water Supply Scheme for Shirbhavi and 81 villages in Dist. Solapur

Client: Maharashtra Jeevan Pradhikaran

Project value: INR 714 Million

Scope of work: Design, engineering, construction, supply, erection, testing & commissioning of head works & pumping station, 22 MLD water treatment plant, 90 Nos. service reservoirs from 25 m<sup>3</sup> to 1500 m<sup>3</sup>, pipelines - 219 - 559 mm dia MS pipeline of 177 kms; 63 - mm dia PVC pipeline of 368 kms; 100 mm dia GI pipeline of 19 kms with other civil, mechanical and electrical facilities.

Length of water pipeline: 564 Kms

Status: Completed





### **Rural Water Supply Projects**

- Name of the Project:** Regional Rural Water Supply Scheme for Langhapur and 57 villages in Dist. Akola
- Client:** Maharashtra Jeevan Pradhikaran
- Project value:** INR 291 Million
- Scope of work:** The project undertaken for Langhapur & other 57 villages comprises intake well, jack well, pumping station with substation, 8.5 MLD water treatment plant, reservoirs, pipelines - 90-200 mm dia PVC pipeline of 219 Kms; 80-200 mm dia CI pipeline of 12 kms; 100-500 mm dia DI pipeline of 83 kms with associated electrical and instrumentation works.
- Length of water pipeline:** 315 Kms
- Status:** Completed





### **Rural Water Supply Projects**

Name of the Project: Regional Rural Water Supply Scheme for Latori-Amgaon in Dist. Gondia

Client: Maharashtra Jeevan Pradhikaran

Project value: INR 115 Million

Scope of work: The project undertaken for Latori, Amgaon, Kholgarh and other 30 villages comprises intake well, jack well, pumping station with substation, 5.63 MLD water treatment plant, reservoirs, pipelines - 75-200 mm dia PVC pipeline of 116 kms; 80-400 mm dia CI Pipeline of 21 kms; 400 mm dia PSC pipeline of 17 kms; 300 mm dia DI pipeline of 1.3 kms, 22 nos of 25 - 270 m<sup>3</sup> ESR along with associated electrical and instrumentation works.

Length of water pipeline: 155.3 Kms

Status: Completed





### **Rural Water Supply Projects**

Name of the Project: Regional Rural Water Scheme for Hole and 27 villages in District Solapur

Client: Maharashtra Jeevan Pradhikaran

Project value: INR 142 Million

Scope of work: Design, engineering, construction, supply, erection, testing & commissioning of head works & pumping station, water treatment plants of capacity 11 MLD and 2 MLD, 29 nos. elevated service reservoirs of capacity 0.2 to 10 Lac litres, 3 nos. ground level service reservoirs of capacity 0.2 to 1 Lac liters, pipeline - 75-200 mm dia PVC pipe line of 141 kms; 400 mm dia MS pipeline of 26 kms; 350-450 mm dia PSC pipes of 20 kms; 300 mm dia AC pipes of 6 kms along with associated electrical and instrumentation works.

Length of water pipeline: 193 Kms

Status: Completed







### Rural Water Supply Projects

Name of the Project: Regional Rural Water Scheme for Lasalgaon, Vinchur and 14 Villages in District Nasik

Client: Maharashtra Jeevan Pradhikaran

Project value: INR 147 Million

Scope of work: Design, engineering, construction, supply, erection, testing & commissioning of Jack Well, overhead pump house, supply & installation of pumping machinery, raw water rising main, 8.1 MLD water treatment plant and clear water distribution system including pipelines of 75-200 mm dia PVC pipeline of 79 kms; 80-450 mm dia CI pipeline of 20 kms; 450 mm dia MS pipelines of 13 kms; 1000 m<sup>3</sup> MBR and 16 nos of 50 - 350 m<sup>3</sup> ESR along with associated electrical and instrumentation works.

Length of water pipeline: 112 Kilometers

Status: Completed





### **Rural Water Supply Projects**

- Name of the Project:** Regional Rural Water Scheme for Vijaydurg in District Singhdurg
- Client:** Maharashtra Jeevan Pradhikaran
- Project value:** INR 142 Million
- Scope of work:** Design, engineering, construction, supply, erection, testing & commissioning of jack well, overhead pump house, supply & installation of pumping machinery, raw water rising main, 5 MLD water treatment plant and clear water distribution system, pipelines - 75-110 mm dia PVC pipeline of 30 kms; 220-330 mm dia MS pipeline of 50 kms, 450 m<sup>3</sup> MBR and 8 nos of 52-177 m<sup>3</sup> ground service reservoir, 3 nos of 105-355 m<sup>3</sup> elevated service reservoir along with associated civil, electrical and instrumentation works.
- Length of water pipeline:** 80 Kms
- Status:** Completed





### Urban Water Supply Project

Name of the Project: Integrated Water Supply Project, Pune

Client: Pune Municipal Corporation, Maharashtra

Project value: INR 3,788.40 Million

Concession Period: 10 years of O&M

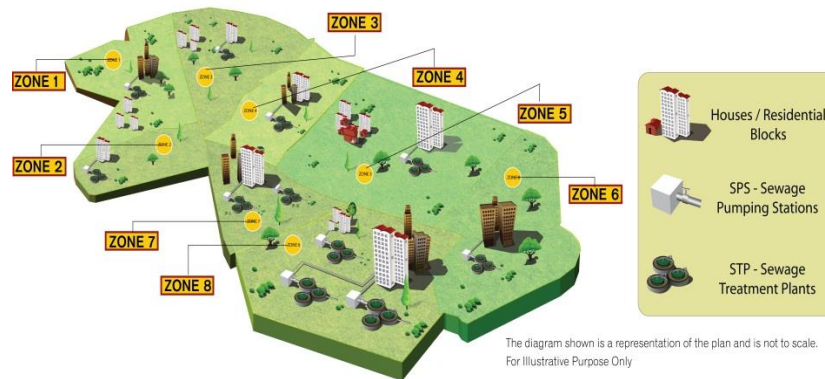
Scope of work: Study, Survey, Investigation, Assessment, Design validation and Revamping of entire Water Supply System for Pune city including Water Audit, NRW reduction, SCADA, Bill reading and generation, Operation and Maintenance of the system from Pure water Sump of WTP to the Consumer end including transmission, storage and distribution of clear water to the entire area of the Pune Municipal Corporation. The objectives of the project are:

- Provide 24x7 equitable distribution of the water with adequate pressures, as per CPHEEO guidelines.
- Planning of the “Active Leakage Control system”, to reduce the Non-Revenue Water to acceptable level of 15% as per CPHEEO guidelines.
- Providing SCADA system for effective operation and maintenance, establish water balance, to reduce UFW and ensure complete consumer satisfaction.
- To achieve the goal of continuous pressurized water supply in a reasonable time period.

No. of water connections: 32,00,000 Approx.

Status: Under Implementation

## Wastewater Treatment & Sewer Rehabilitation Project



Name of the Project: Mira Bhayandar Underground Sewerage System

Client: Mira Bhayandar Municipal Corporation

Project value: INR 5,258 Million

Scope of work: Design, engineering, construction, supply, erection, testing & commissioning of comprehensive underground sewerage facilities in the 24 sq km area comprises of design, supply, laying, and commissioning 113 km of Sewer lines; 10 Pumping Stations and 10 Sewerage Treatment Plants one each of 8, 11, 14 and 17 MLD and two each of 7, 12 and 13 MLD with total capacity of 115 MLD with latest MBBR technology. SPML will also provide necessary pressurised rising mains for distribution and disposal of recycled water. The project is designed on completely decentralized system having 10 zones across Mira Bahayandar. The sewerage system implies closure of existing septic tanks and drainage through storm water drains improving overall hygiene and living standards. The best global safety measures are being followed in project execution.

Length of sewer pipeline: 113 Kilometers

Sewage Treatment Plant: 10 Nos with combined capacity of 115 MLD

Status: Substantially Commissioned





### Wastewater Treatment Project

Name of the Project: Construction of Sewage Treatment Plant at Nasik

Capacity: 70 MLD

Client: Nasik Municipal Corporation

Project value: INR 387 Million

Scope of work: Design, construction, supply, erection, testing, commissioning, start-up and performance run for the STP and sewage pumping station along with two wet type gas holders each of capacity 300 Cum with gas flow meter for 4800 m<sup>3</sup> / day of gas production at Agar Takali, Nasik. In this plant after screening the BOD of the sewage reduced by 35% in primary treatment part consist of two primary clarifiers. The secondary treatment consists of aeration tanks followed by two secondary clarifiers for settlement of sludge. Primary sludge and the excess sludge shall be taken to the sludge thickener for thickening or sludge. Thickened sludge then shall be taken to the anaerobic digester for stabilization of sludge. Stabilized and digested sludge will then be taken to mechanical dewatering system for dewatering of the sludge. Filtrate shall be taken back in to the system for treatment and dried sludge cake shall be disposed safely.

Gas holder: 2 gas holder with capacity of 480 m<sup>3</sup> each

Gas production: 4800 m<sup>3</sup>/d

Status: Commissioned



# Lift Irrigation Project

**Name of the Project:** Jihe Kathapur Lift Irrigation Scheme, Satara

**Client:** Maharashtra Krishna Valley Development Corporation, Pune

**Project value:** INR 1,850 Million

**Scope of work:** Design, engineering, construction and commissioning of integrated lift irrigation scheme comprising of intake sump well, three stage pumping by on-line boosting, two stage rising main of 17 kms, two 'D' shape tunnels of 3.95 km & 13.77 km long of 4500 mm dia pipeline, pumping machinery, 132/33 KV & 33/11 KV switchyards, 33 KV transmission lines, voice communication system etc.

Intake works will be constructed on the bank of river Krishna and water will be pumped with the help of 3 no. vertical turbine pump (Stage – I) to next stage pumping station through 4.32 km 1800 mm dia MS rising main. Stage – II pump house will be equipped with 3 no. horizontal split casing pump and by online boosting, water will be further pumped through 6.88 km 1800 mm dia MS rising main to Stage – III pump house that will be equipped with 3 no. horizontal split casing pump & by further online boosting, water transmitted through 5.85 km 1800 mm dia MS rising main.

	Stage - I	Stage - II	Stage - III
<b>Pumping Machinery</b>	3 VT Pumps – 2.08 m <sup>3</sup> /sec @ 81 mwc; 3 Vertical Motors – 11 kv 2300 kw	3 HSC Pumps – 2.08 m <sup>3</sup> /sec @ 81 mwc; 3 Horizontal Motors – 11 kv 2300 kw	3 HSC Pumps – 2.08 m <sup>3</sup> /sec @ 81 mwc; 3 Horizontal Motors – 11 kv 2300 kw
<b>Rising Main</b>	1800 mm dia MS Pipe – 4.32 km	1800 mm dia MS Pipe – 6.88 km	1800 mm dia MS Pipe – 5.85 km
<b>Tunnel Work</b>			2 Tunnels through rock 3.97 km & 13.77 km long

**Status:** Under execution





**Name of the Project:** Tembhu Lift Irrigation Scheme (Stage I & II)

**Client:** Maharashtra Krishna Valley Development Corporation

**Project value:** INR 416 Million

**Scope of work:** Design, engineering, construction of five stage project for lifting of water from Krishna River. The project is aimed at utilising water of Krishna Basin (about 599,000 m3) for irrigation in the command area of more than 250 hectares.

	<b>Stage - I</b>	<b>Stage - II</b>
<b>Pumping Machinery</b>	33 VT Pumps – 1912.3 lps @ 65 mwc; 33 Vertical Motors – 6.6 kv 1505 kw	22 VT Pumps – 1765.8 lps @ 70 mwc; 22 Vertical Motors – 6.6 kv 1500 kw
<b>Rising Main</b>	1100 mm dia MS Pipe – 495 mtr	1100 mm dia MS Pipe – 330 mtr

**Status:** Completed





Name of the Project:	Lift irrigation Scheme from Prakasha Barrage to Bural Dam
Client:	Tapi Irrigation Development Corporation, Nandurbar, Maharashtra
Project value:	INR 654 Million
Scope of work:	<p>Design &amp; Engineering, Construction of lift irrigation scheme for Prakasha barrage comprising of intake works, Jack well, four stage pumping, three stage rising main. Water required for this project will be drawn from River Tapi during rainy season and stored at reservoirs between Tapi River and Burai Dam cantonment.</p> <p>The scope included to put up 4 nos of VT Pump of 4800 m<sup>3</sup>/hr. at 88 mwc at stage 1; 4 nos of HSC Pump 4000 m<sup>3</sup>/hr at 100 mwc at stage 2; 4 nos of HSC Pump 2400 m<sup>3</sup>/hr at 118 mwc at stage 3 and 4 nos of HSC Pump 1620 m<sup>3</sup>/hr at 123 mwc at stage 4 along with 16 nos of 33/6.6 KV MVA substations.</p>
Status:	Completed







Name of the Project:	Kurha –Vadoda Upsa Sinchan Yojana, Tq. Muktainagar. Dist. Jalgaon
Client:	Design Divisional Unit Jalgaon of Tapi Irrigation Development Corporation
Project value:	INR 1600.7 Million
Scope of work:	<p>Design, planning and execution of intake structure, connecting Main, Jackwell, O.H. Pump house at stage –Ist, Rising Main for all Stages, on line pump house for Stage 2nd and 3rd, pumping Machinery with electrical works for three stages. Delivery chambers at three stages with command area survey and commissioning.</p> <p>Water collected in the Jackwell will be pumped with the help of 4 Nos. of 2010 HP (each) motor and vertical turbine pumps to next stage station through 5100 mtr 1800 mm dia twin M.S. Pipe Line. Stage-II pump house will be equipped with 4 nos. of 1750 HP (each) motor and horizontal split casing pumps through 3900 mtr 1800 mm dia twin M.S. Pipe line to next stage. Water will be further pumped to a Dam through 2035 mtr, 1800 mm dia twin M.S. Pipeline.</p>
Status:	Completed





Name of the Project: Gosikhurd Irrigation Project - Hydro Mechanical Works

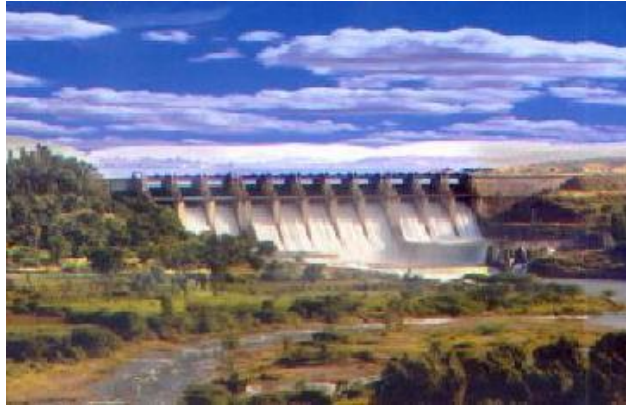
Client: Vidarbha Irrigation Development Corporation, Nagpur

Project value: INR 1,820 Million

Scope of work: Design, planning and supply and erection of spillway radial crest gates, spillway stop log gates and gantry cranes at the Gosikhurd Dam at Wahi in Maharashtra along with automatic lifting beams for handling stop log section and electrical equipment & associated instrumentation.

Status: Completed





- Name of the Project:** Mula High Level Left Bank Pipe Canal (Bhagda Pipe Chari)
- Client:** Godavari Marathwada Irrigation Development Corporation, Aurangabad
- Project value:** INR 452 Million
- Scope of work:** The project will utilise water available from Mula Dam near Rahuri through Mula Left Bank Canal and will be used for filling up percolation tanks, village tanks and K. T. Weirs in the draught prone areas of the Rahuri Taluka. The water will be lifted by two Vertical Turbine Pumps and taken to a Delivery Chamber on a nearby hill by MS Rising Main. From the Delivery Chamber water will be distributed through Pre-stressed Concrete Pipe Gravity Main and a Distribution Network of 52.5 kms of 600-800 mm dia PSC pipeline with 3 nos of VT Pumps of 900 m<sup>3</sup>/hr at 71 MWC with other civil and electrical works.
- Status:** Completed





**Rural Electrification Project:**

Name of the Project: Execution of work of Gaothan Feeder Separation Scheme for left -out villages/wadies & balance feeders on turnkey basis in Amravati Zone.

Client: Maharashtra State Electricity Distribution Company Limited (MSEDCL)

Project value: INR 1,300 Million

Scope of work: Supply, transport, construction, erection, testing & commissioning of feeders, HT/LT lines, special designed transformers on Ag feeders, distribution transformers of various capacities and allied works as defined.

Status: Completed





Name of the Project: Urmodi Lift Irrigation Scheme- Electrical Works

Client: Kukadi Irrigation Project, Satara

Project value: INR 220 Million

Scope of work: Design, supply, testing, erection and commissioning of substation comprises of 1 no. incoming bay, 1 no. of 132 KV switchyard feeders, 1 no. outgoing transformer bay having 132/33 KV, 32.5/40 MVA transformers, 145 KV SF6 circuit breakers, 132 KV isolators, 132 KV CT & PT including civil works.

Status: Completed



# Quality, Health, Safety & Environment

SPML strives towards excellence in all operations through compliance with worldclass quality systems in specific fields of activities, ensuring continuous improvement in our quality management system.

The quality management system of SPML Infra is certified by Universal Quality Accreditation Services, UK with ISO 9001:2008.

SPML recognize that the management of health, safety and environmental matters are the prime responsibility of the company and will ensure that there are adequate resources available (both human and financial) to implement the policy. The management also actively promotes and encourages the cooperation, involvement and participation of all employees, contractors, suppliers and other stake holders.





Water is the prime resource essential for survival of human life on earth. All ecosystems and habitats owe their existence to water. Fresh water is available only 2.7% though the surface of planet earth is geographically covered more than 70% with water. Sustainable water management in India is fast becoming a necessity with the looming crisis over water resources threatening the security and livelihood of the population and environment.





## SPML Infra Limited

Delhi: 27/2, Okhla Industrial Area, Phase-II, New Delhi-110020  
Tel: 011-23687091

Kolkata: 22, Camac Street, Block A, 3rd Floor, Kolkata-700016  
Tel: 033-40091200

[Info@spml.co.in](mailto:Info@spml.co.in) | [www.spml.co.in](http://www.spml.co.in)