

**Beyond Boundaries. New Horizons.
Committed to Product & Service Excellence.**



SPML Industries Limited (SIL) is a division of **Subhash Projects & Marketing Limited (SPML)**, a leading Infrastructure Development organization with more than 25 years of EPC contracting experience in Water, Power and Infrastructure. SPML Group is developing infrastructure projects with investments worth over Rs.150 Bn; USD 3.78 Bn on BOOT basis, across India.

Further, SPML has diversified into Ports, SEZs, Urban Infrastructure and Waste Management.

SPML Industries Limited formerly Subhash Pipes Limited (SPL), made an earnest beginning in the year 1989, manufacturing Pre-Stressed Concrete (PSC) and Mild Steel (MS) Pipes to meet the growing demand of water supply and irrigation sector. SIL is well positioned to manufacture and supply PSC, MS pipes and Reinforced, Plain & Pre-stressed Cement concrete (RCC, PCC & PSC) poles, through its high-end manufacturing units.

SIL manufactures state of the art PSC Pipes, MS Pipes, RCC and PCC poles of international standards. Today, in Irrigation & Water supply sectors, SIL is credited for supplying high quality PSC - MS Pipes and Specials. In a short span of time SIL has developed its strengths in independently designing the pipes, poles, installations and other supporting services.

Quality is an integral aspect of SIL's manufacturing philosophy. To ensure quality, timely and enhanced client services, SIL adopted ISO 9001-2000 quality management system in the year 2003 and also obtained BIS certification for ISI marking on PSC Pipes in the year 2004 and for MS Pipes in the year 2008.

PRODUCT PORTFOLIO

PIPES

Pre – Stressed Concrete (PSC) Pipes as per IS 784

Range : 400 mm dia to 1600 mm dia

Mild Steel (MS) Pipes as per IS 3589

Range : 400 mm dia to 2500 mm dia

Hume Steel Pipes as per IS 1916

Range : 400mm dia to 1200mm dia

Pipe Specials as per IS 7322

Cement Mortar lining of Steel Pipes & Fittings

APPLICATION

- Potable water mains
- Irrigation water mains
- Industrial waste water/Sewage mains
- Storm & drain water lines (force & gravity mains)
- All pumping and gravity mains
- Re-circulation and cooling water pipe lines for plants like Thermal Power, Chemicals, Cement, Fertilizer, Paper, Refineries etc.,
- Culverts

POLES

RCC Poles as per IS 785

Range : 8, 9 & 11 Mtr

PCC & PSC Poles as per IS 1678 & IS 1343

Range : 8, 9 & 11 Mtr

APPLICATION

- Power Transmission Lines
- Telecommunication Lines

PRE STRESSED CONCRETE (PSC) PIPES

MANUFACTURING PROCESS of PSC

Pipes at SIL

PSC pipes are manufactured with centrifugal horizontal spinning method:

- Longitudinal Pre-stressing
- Batching & mixing of concrete
- Spinning
- Demoulding
- Core Curing
- Winding
- Coating
- Curing
- Hydrotesting

FACILITIES : The foundation of SIL's success is its integrated modern manufacturing units. The Faridabad (Haryana) and Mysore (Karnataka) based units, manufacture and supply PSC pipes at an annual production capacity of 6500 to 15500 MT of various dia, for pressures between the range 6kg /cm² to 18kg /cm².

QUALITY ASSURANCE & TESTING

Hydrostatic Testing – Pipes are subjected to hydrostatic pressure test, after curing, by using a specific testing machine before dispatch.

In addition to pressure tests on all pipes, the quality assurance, include:

- Regular testing of incoming raw materials and components
- Well-equipped laboratory tests the green and hard concrete that goes into the production of pipes

- Monitoring of pre-stressing process
- Three-Edge Load bearing test
- Gauging of important dimensions of all pipe ends - check for dimensional stability to ensure a watertight joint between pipes
- Measurement of permeability of mortar
- Daily measurement of cube strengths of concrete and mortar



View of PSC pipes production lines



PSC Pipe – Spinning Machine



PSC Pipe – Wire Winding Machine

BENEFITS OF THE PROCESS

- Concrete mix is uniformly distributed providing uniform thickness and strength
- Bond between concrete and steel is perfectly achieved
- Anticorrosive as compared to RCC pipes
- Smooth internal finish ensuring smooth flow of liquid
- Average length of each pipe is 5 meters as against 2.5 meters of RCC pipes, joints lesser by 50%, therefore installations easier and faster



PSC Pipes Curing Yard



Laboratory - Quality Tests



PSC Pipe Hydrostatic testing

MILD STEEL (MS) PIPES

MANUFACTURING PROCESS of MS Pipes at SIL

- Plate's visual inspection for Surface defects
- Layout Marking & Cutting
- Bending & Rolling
- End Facing & Beveling
- Fit - up
- L/S & C/S Seam joints welding
- Hydrotesting

FACILITIES : The Faridabad (Haryana) and Mysore (Karnataka) based units, manufacture and supply MS pipes with an annual production capacity of 40,000 metric tones for MS pipes. MS pipes are meant for higher pressures of more than 18 kg/cm².

QUALITY ASSURANCE & TESTING

Hydrostatic Testing – Pipes are subjected to hydrostatic pressure test, after welding, by using a specific testing machine before dispatch.

In addition to Pressure tests on all pipes, the quality assurance, include:

- Regular testing on plates like Bend Test & Tensile Test
- Face and Root Test for welding strength
- Ultrasonic & Radiography for welding fusion
- Dimensional Tests



View of MS Plant



MS Specials Welding



Sub Merged Arc Welding



Plate Bending Machine



MS Pipes Hydrotesting Machine



MS Pipes Transportation

REINFORCED, PLAIN & PRE-STRESSED CEMENT CONCRETE (RCC, PCC & PSC) POLES

MANUFACTURING PROCESS of RCC Poles at SIL

- Bar Bending / Longitudinal Pre Stressing
- Batching & Mixing of Concrete
- Moulding & Demoulding
- Curing
- Testing

FACILITIES: The Tumkur, Karnataka based unit manufactures and supplies RCC & PCC poles with an annual production capacity of 10000 to 30000 MT.

QUALITY ASSURANCE & TESTING

Load Bearing Testing- Poles are subjected to Transverse load bearing test by using a specific machine before dispatch.

In addition to Load bearing test, the quality assurance, include:

- Regular testing of incoming raw materials and components
- Well-equipped laboratory tests the green and hard concrete that goes into the production of poles

- Monitoring of bar bending / pre-stressing process
- Check for dimensional stability
- Daily measurement of cube strengths of concrete



RCC Poles Casted



RCC Poles – Curing in Tank



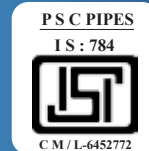
RCC Poles being stacked

OUR QUALITY POLICY

We shall achieve our commitment to Product Quality, Cost and Delivery Schedules by:

- Periodically setting quality objectives for the processes
- Establish manufacturing processes using best possible technology that resources permit
- Continually improve the ISO 9001:2000 based systems so as to facilitate Efficiency, Productivity and Profitability

SIL is an ISO 9001-2000 Company and hence the Pipes & Poles being manufactured by SIL meet the stringent technical specifications as listed by ISI & other certifying bodies/associations.



RELIABLE - STRONG NETWORK

Regional offices in Delhi, Kolkata, Guwahati Mumbai, Hyderabad, and Bangalore ably support and coordinate all projects. The key asset of SIL is its human resource. They make the difference by showcasing their initiative, expertise and drive while carrying out both large and small projects, with the same level of efficiency. SIL ensures that professional skills of employees are upgraded and developed constantly on a continuous basis.

SIL has earned a credible reputation owing to its unflinching attention to detail, quality and completion of contracts to global standards.

OUR INDICATIVE CLIENT LIST

- Cauvery Neeravari Nigam Limited
- Karnataka Neeravari Nigam Limited
- Delhi Water Supply & Sewage Disposal Unit (Municipal Corporation Delhi)
- Karnataka Urban Water Supply & Drainage Board
- Delhi Jal Board
- Ganga Pollution Prevention Unit, U.P. Jal Nigam
- Municipal Corporation, Chandigarh
- Bangalore Water Supply & Sewerage Board
- Krishna Bhagya Jala Nigam Limited
- Karnataka Power Transmission Corporation Limited
- Bangalore Electricity Supply Company Limited
- Chamundeshwari Electricity Supply Corporation Limited
- Hubli Electricity Supply Company Limited
- Mangalore Electricity Supply Company Limited
- A.E.C. India Limited
- Public Health Engineering Department, Churu, Rajasthan

SPML INDUSTRIES LIMITED

Manufacturing Unit & Marketing Office. Established 1999.
279-280, Ranganathpura Village, Rangasamudra Post, Mysore –Bannur Road
T.Narsipura Taluk, Mysore District, Karnataka-571101.
Tel: 91-8227- 275910, 276071, E-Mail: mysore@spmlindustries.com

(PSC and MS Pipes)
Established 1989
Dabua Pali Road
Faridabad - 121 004
Haryana

Manufacturing Units

(RCC and PCC poles)
Established 2007.
Survey No.89/1,90/1 & 92/1,
Kora AmaniKere Village & Post
Tumkur District - 572 128
Karnataka

(MS Pipes mobile unit)
Established 2006.
Survey No. 67, Tharkaspet,
Near Kollur Village, Chittapur Taluk
Gulbarga District - 585 218
Karnataka