

REMEMBERING THE FUTURE

Company Profile

SR Paryavaran Engineers (P) Ltd.

WATER

About SR Paryavaran Engineers

SRPEPL is a specialised water engineering company with EPC delivery and in-house membrane manufacturing capabilities. Over 35 years, we have engineered, supplied and operated water and wastewater treatment systems for PSUs, defence, railways, municipal bodies and industrial clients across India and export markets.

Our integrated model — process design, fabrication, membrane manufacturing under the SRP® brand, and long-term O&M — allows us to take single-point responsibility for complex turnkey projects, from sewage and effluent treatment to ultra-pure water and Zero Liquid Discharge.

35+

Years in environmental engineering

6,000+

Treatment systems installed

4 Bn+ L

Water processed through our systems

400+ MLD

Cumulative STP capacity installed

450+

Decentralised / packaged STPs

5 Mn+

People served with safe drinking water

Four Core Capabilities

A specialised water engineering company built on four integrated capabilities.

01 EPC PROJECTS

Centralised STPs, ETPs, water treatment plants, sewerage networks and tertiary treatment — turnkey design, build, commission.

02 MEMBRANE MANUFACTURING

In-house manufacture of UF, MBR, RO and NF membranes under the SRP® brand. Make-in-India, supplied to PSUs and refineries.

03 PACKAGED & CONTAINERISED

Decentralised packaged STPs, community drinking water systems, RO ATMs and containerised water solutions for defence and remote sites.

04 O&M & MEMBRANE SERVICES

Long-term operation, maintenance and membrane replacement contracts for refineries, power plants and municipal facilities.

Solutions We Offer

End-to-end water and wastewater treatment solutions across municipal, industrial and defence applications.

WASTEWATER TREATMENT

- Centralised Sewage Treatment Plants (STP)
- Effluent Treatment Plants (ETP)
- Common Effluent Treatment Plants (CETP)
- Tertiary Treatment Plants (TTP)
- Packaged / Decentralised STPs
- Membrane Bioreactor (MBR) Systems
- MBBR / SBR / SAFF Plants
- Faecal Sludge Treatment Plants
- Sewerage Networks & Pumping Stations

WATER TREATMENT

- Water Filtration Plants (WFP)
- Reverse Osmosis (RO) Systems — BW, SW, HP
- Ultrafiltration (UF) Systems
- Demineralisation (DM) Plants
- Community Drinking Water Systems
- Solar & Hybrid Powered Water ATMs
- Fluoride / Arsenic / Iron Removal
- Electro-Chlorination Systems
- Containerised / Mobile Water Plants

INDUSTRIAL & SPECIALISED

- Zero Liquid Discharge (ZLD) Systems
- Multi-Effect Evaporators (MEE) & ATFD
- Mechanical Vapour Recompression (MVR)
- Disc Tube RO (DTRO) for high-TDS streams
- Ultra-Pure / DI Water Systems
- SRP® Membranes — UF, MBR, RO, NF
- Membrane Replacement & Cleaning Services
- Long-term O&M Contracts
- BioCNG Upgradation Systems

Delivery Models

We tailor our commercial and contractual model to the project's risk profile and the client's preferred procurement route.

EPC

Engineering, Procurement & Construction

Single-point turnkey delivery — design, supply, install, test, commission. Defect liability period typically 12–24 months. Suited to PSU and government tender procurement.

DBO

Design, Build & Operate

EPC plus 5–15 years of post-commissioning O&M under a single contract. Aligns design choices with long-term operating cost. Common in municipal STPs and PHED projects.

HAM

Hybrid Annuity Model

Capital cost recovered partly during construction (40%) and balance over O&M annuities. Reduces client's upfront outlay. Increasingly used in NMCG / urban infrastructure.

BOOT

Build, Own, Operate, Transfer

SRPEPL invests, owns and operates the plant for a concession period (typically 10–25 years), with revenue from a tariff or volumetric charge. Asset transfers to client at concession end.

O&M

Operations & Maintenance

Standalone long-term O&M of existing plants — chemical dosing, membrane management, manpower, performance guarantees. Typical tenure 3–10 years.

Supply

Equipment & Membrane Supply

Direct supply of SRP® membranes, packaged plants, dosing systems, electro-chlorinators and skid-mounted equipment to other EPC contractors and end-users.

Manufacturing & Infrastructure

Two manufacturing units, in-house engineering team, and a national delivery footprint.

HEADQUARTERS	MANUFACTURING UNIT	INTERNATIONAL OFFICE
<p>Panchkula, Haryana</p> <p>Corporate office, in-house design & engineering, project management, membrane element assembly, packaged STP/RO fabrication.</p>	<p>Baddi, Himachal Pradesh</p> <p>Membrane casting and module manufacturing, FRP/GRP fabrication, skid-mounted equipment, MBR cassettes, electro-chlorinators.</p>	<p>Jebel Ali Free Zone, Dubai (UAE)</p> <p>Export sales coverage for GCC, Africa and South-East Asia markets — containerised systems, membranes and project supply.</p>

IN-HOUSE CAPABILITIES				
<p>Engineering</p> <p>Process design, P&ID, hydraulics, 3D layouts, structural & MEP</p>	<p>Membrane Mfg.</p> <p>UF / MBR / RO / NF flat-sheet & spiral wound</p>	<p>Fabrication</p> <p>MS, SS, FRP/GRP tanks, skids, MBR cassettes</p>	<p>Automation</p> <p>PLC/SCADA, IoT remote monitoring, fault feedback</p>	<p>Project Delivery</p> <p>Pan-India execution across 15+ states + export markets</p>

Centralised EPC — Selected Credentials

Turnkey EPC projects executed for PSU, defence, municipal and industrial clients.

CLIENT	SCOPE	SECTOR	VALUE
SAIL Bokaro Steel Plant	Tertiary Treatment Plant + Zero Liquid Discharge	Metallurgy	₹35.7 Cr
RVUNL Chhabra Thermal Power Plant	Tertiary Treatment Plant — supercritical 1320 MW	Power	₹49.84 Cr
Municipal Corporation Panchkula	AMRUT — 110 km sewerage + 9 STPs + 4 MPS, 14 villages	Municipal	₹48.11 Cr
Municipal Corporation Gurugram	AMRUT — 6 STPs + main pumping stations, SBR technology	Municipal	₹25.74 Cr
PSIEC Punjab	Rehabilitation & upgradation of 3 ETPs (MBBR + UF tertiary)	Industrial	₹19.84 Cr
MC Gurugram — City Parks	20 packaged decentralised STPs + 10-year O&M	Municipal	₹22.30 Cr

Cumulative installed STP capacity exceeds 400 MLD across 15+ states. Sector clients also include Indian Railways, defence establishments and refineries.

Decentralised & Packaged STPs

Pre-fabricated, modular and IoT-enabled MBR-based plants for hospitals, railways, parks, industrial campuses and remote sites.

Punjab Health Systems Corporation

140+ packaged MBR STPs supplied across district hospitals — 25 to 165 KLD

Northern Railway

Multiple DSITC packaged STPs at railway colonies and workshops

Including 2.26 MLD Jagadhari Workshop MBR plant — ₹6.96 Cr

Municipal Corporation Gurugram

20 decentralised packaged SBR STPs at city parks with 10-year O&M

₹22.30 Cr — completed September 2021

AT A GLANCE

450+

Decentralised / packaged STPs installed nationwide

25–500 KLD

Standard packaged plant capacity range

MBR / SBR / MBBR

Treatment technologies offered

IoT-enabled

Live tracking, sensor-based remote monitoring,
realtime fault feedback via app

Membrane Manufacturing — SRP® Brand

In-house manufacture under the Make-in-India initiative. Supplied to Indian PSU refineries, power plants, PHEDs and industrial clients.

ULTRAFILTRATION (UF)

Vertical PVDF/PE — multiple sizes
 Horizontal — replacement to Norit X-Flow
 AEROFLO® product line

MEMBRANE BIOREACTOR (MBR)

Hollow Fibre PVDF / Reinforced
 Flat Sheet — ultrasonically welded
 AEROFLO MBR® cassettes

REVERSE OSMOSIS (RO)

Brackish Water (BW) 4040 / 8040
 Ultra Low Pressure / Ultra High Pressure
 Sea Water (SWRO) — high rejection

MARQUEE ORDERS — SRP® MEMBRANES

CLIENT	SCOPE	VALUE
Mangalore Refinery & Petrochemicals (MRPL)	Replacement of submerged MBR membranes — 4 basins	₹31+ Cr
Mangalore Refinery & Petrochemicals (MRPL)	672 nos. SRP® BW-RO 8040 membranes	₹2+ Cr
Chennai Petroleum Corporation Ltd (CPCL)	1,148 Sea Water RO membranes — desalination plant	10+ Crores against 2 orders
Indian Oil — Panipat / Haldia / Mathura / Barauni Refineries	UF & RO membranes for ETP and DM pre-treatment	Multi-order
PHED Punjab & Rajasthan	RO + UF membranes for community drinking water schemes	Multi-order

Community Drinking Water & RO Systems

Solar / hybrid powered community RO and water ATM systems for water-quality affected habitations, executed under turnkey + long-term O&M models.

5 Mn+ <small>PEOPLE SERVED</small>	1,500+ <small>RO UNITS DELIVERED</small>	4 STATES <small>PUNJAB · RAJASTHAN · KARNATAKA · MAHARASHTRA</small>	UP TO 10 YR <small>O&M CONTRACT TENURES</small>
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Maharashtra (Jalna ZP, RWS Division)	108 packaged UF+RO community water purification plants with 10-year O&M, on Turn-Key Basis Rate Contract — ₹15.75 Cr
Rajasthan (PHED — Nagaur, Khulan Sarwar block & others)	140 packaged RO drinking water plants with O&M — ₹26.35 Cr (multi-package)
Punjab (DWSS — multiple districts)	1,200+ RO-based drinking water units executed across various districts
Karnataka (PRED — Bangalore Circle)	50 packaged drinking water plants — BIS 10500:2012 compliant rural water supply
Punjab Heritage & Tourism — Bhagwan Valmiki Sthal, Amritsar	31.6 MLD water filtration plant — completed January 2022
PHED Punjab — Fluoride removal	199 fluoride-affected village systems with electro-chlorination + 3-year O&M — ₹16 Cr

Zero Liquid Discharge & Industrial Water

Engineered ZLD trains combining membrane concentration, evaporation and crystallisation — designed for high-TDS industrial effluents.

ZLD TECHNOLOGY STACK

Pre-Treatment	Lime-soda softening, HRSCC, MGF/ACF/UF — for hardness, TSS, COD
Membrane Concentration	BW-RO → HP-RO → DTRO/STRO for high-TDS streams (up to 80,000 mg/L)
Thermal Concentration	Multi-Effect Evaporator (MEE), Mechanical Vapour Recompression (MVR)
Crystallisation & Drying	ATFD (Agitated Thin Film Dryer), salt recovery
Solid Handling	Salt bagging, hazardous waste storage, secured landfill protocols

MARQUEE ZLD CREDENTIAL

SAIL Bokaro Steel Plant

Steel Authority of India Ltd. — Jharkhand

₹35.7 Cr

TTP + ZLD for CRM-III

SECTOR	Metallurgy / Steel
TREATMENT	Tertiary Treatment Plant + ZLD
TECHNOLOGIES	MBR + RO + MEE-based ZLD train
STATUS	Successfully completed

Approvals, Certifications & Partnerships

Independently audited management systems, government enlistments and academic partnerships underpin SRPEPL's PSU and export credentials.

MANAGEMENT SYSTEMS	GOVERNMENT & SECTOR APPROVALS	PARTNERSHIPS & R&D
<p>ISO 9001:2015 Quality Management System</p> <p>ISO 14001:2015 Environmental Management System</p> <p>ISO 45001:2018 Occupational Health & Safety Management System</p> <p>ISO 50001:2018 Energy Management System</p> <p>CE Marking Machinery Directive 2006/42/EC and Pressure Equipment Directive 2014/68/EU</p>	<p>EIL Enlistment Engineers India Ltd. — Vendor Code S168 (valid through March 2029)</p> <p>NSIC National Small Industries Corporation — Government Purchases Enlistment</p> <p>CSIR-CMERI Approval for SRP-manufactured Electro-Chlorination Systems</p> <p>SATAT Scheme Registered technology provider for BioCNG upgradation</p> <p>MSME Udyam Registered MSME — applicable for procurement preference</p>	<p>MoU with IIT Jodhpur Active R&D collaboration for product validation, joint studies and audits — signed October 2023</p> <p>OEM Partnerships Strategic technology partnerships with global OEMs for evaporators, RO/UF media and ZLD packages</p> <p>In-house R&D Dedicated team for membrane chemistry, process design and IoT-enabled plant monitoring</p>

GET IN TOUCH



Let's engineer the next project together.

HEADQUARTERS

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India**

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MANUFACTURING

**61, HPSIDC Industrial Area
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Membrane casting & module assembly
FRP / GRP / MS fabrication
Packaged plant assembly

INTERNATIONAL OFFICE

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An Advanced Engineering Company That Builds
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