

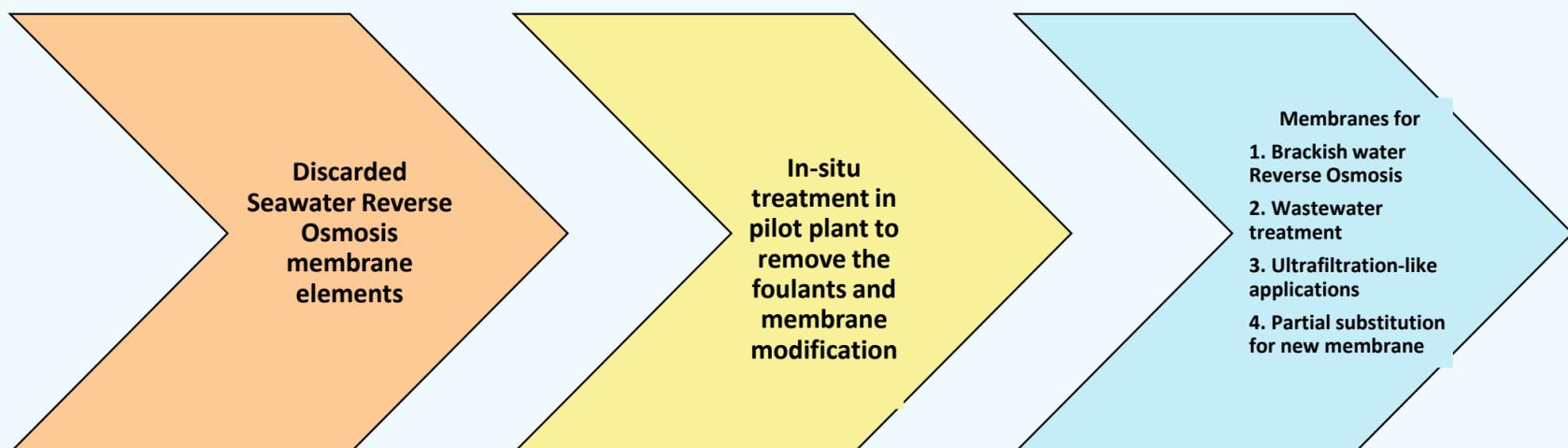
Technology for Demonstration

TRL- 4

Membrane based Solutions for zero and minimal liquid discharge applications



Pilot plant facility established for end-of-life Reverse Osmosis membrane rejuvenation
Funding support: Department of Science and Technology India



- Established facility for end-of-life Seawater Reverse Osmosis membrane rejuvenation for the same application, Brackish water Reverse Osmosis, Ultrafiltration, wastewater treatment applications
- Transforming the end-of-life RO membranes into potential applications as the membranes for Zero and minimal Liquid Discharge Plants
- Developing the osmotically assisted process for zero and minimal liquid discharge systems
- Developing a novel system that can capitalize the rejuvenated membrane elements and concentrate the tertiary treated wastewater with lower energy consumption
- Industries with zero liquid discharge plants may consider collaborating with us. We welcome industries which can provide the tertiary treated wastewater and we can concentrate it in our system
- Industries aiming at resource recovery applications based on membrane may also approach us for developing the recovery process.