Membrane and Separation Technology Division

Procurement plan for the year 2024-2025

- 1. Thermally controlled feed tank
- 2. Ultrafiltration module and setup
- 3. High-pressure pump
- 4. Ultrasonic probe sonicator
- 5 Element analyzer for lube and engine oil
- 6 Viscometer
- 7. Fermentative membrane reactor prototype
- 8. Planetary ball mill with four grinding station (500 ml jar capacity)
- 9. Turbidity Meter
- 10. Type 1 and Type two Water Purifier
- 11. Microbilogical testing equipment and pump
- 13. Automatic Film casting machine
- 14. Portable hydrogen purity gas analyzer

Procurement plan for next five year

S.No.	Items	
1	Thermally controlled feed tank	
2.	Ultrafiltration module and setup	
3.	High-pressure pump	
4.	Ultrasonic probe sonicator	
5	Element analyser for lube oil	
6	Viscometer	
7	pH meter	
8	Analytical weighing balance	
9	Auto-titrator	
10	Cone & Plate Viscometer	
11	Chiller coupled with a condenser	
12	Prototype of membrane-based filtration setup	

For ongoing project number HCP0054, WP20

For other planned project

Sl. No.	Items
1	Single stage CO ₂ /CH ₄ separation unit
2	Rapid gas analyzer
3	EDXRF instrument for composition analysis of oil contamination
4	Three stage gas separation system
5	Inline vacuum and compressor system for permeate gas collection
6	Crystallization system
7	Hollow fibre extrusion system
8	Glove box system
9	Catalytic reactor setup