Production of Propylene Carbonate from Carbon dioxide

Direct utilization of CO_2 as a feedstock to synthesize a sustainable, green alternative to hazardous organic solvents.

- Biodegradable, non-corrosive colorless liquid with high boiling point.
- Suitable electrolyte for Lithium batteries.
- Purity of synthesized Propylene Carbonate: 99.99%, Moisture Content: > 30 ppm.
- Scale of Investigation: 1 kg per batch.
- Market Potential: USD 283 Million by the end of 2024. Cost effective at Rs 90.5/kg vs Commercial Rs. 104-120/kg.