BHEL is having the pivotal role in shaping the engineering and manufacturing capability in India across several sectors including power, transmission, oil & gas, renewables, defense, aerospace, etc. BHEL has extensive experience in executing EPC projects in power plants and other industrial sectors. BHEL supplied equipment account for 60% of India’s power generation with a global installed capacity base of 185 GW (coal, lignite, nuclear, solar, hydro). BHEL has 16 manufacturing units spread across the country that manufacture equipment compliant with national and international standards. BHEL’s state of art facilities specialize in engineering, manufacturing, testing and after market services. BHEL has following capabilities for carbon capture:

- Completely indigenous technology for carbon capture
- Rich R&D experience, manufacturing and engineering capability
- Complete EPC and project management capability
- Capability to convert captured CO₂ into methanol using green hydrogen
- Successfully demonstrated CO₂ capture through pilot plant