**Problem Statement 2:**

**End-product optimisation of coal gasification:**

After coal gasifies into syn-gas, there is a huge window of opportunity for converting it into a variety of end products, including SNG, Methanol, DME, Ammonia, Ammonia Nitrate etc. The technology and licensors in these fields are also well-known.

When taking into account the economics and Product-market fit, the conversion of syngas to end product is of greater significance. Therefore, the Solutions or Proposals should offer in a way that ensures the final product is affordable, suitable for the Indian market, and reduces the need for imports.

Solutions provide technology that can convert syn gas to ethanol in a most effective & efficient way so that it can be economical when it compares with the ethanol produced from molasses and other available feedstock.