

DELAYED COKING TECHNOLOGY

Delayed coking is a thermal process where residues are cracked to produce lighter hydrocarbons. CSIR-IIP/EIL developed delayed coking technology and it has been commercialized at Numaligarh Refinery Limited, Assam. This is the first ever-indigenous development in which short residue is used as feed.



Delayed coker unit in Numaligarh Refinery

Salient features of the technology

- **State of the art of this technology is its heater design by which temperature can be increased rapidly without deposition of coke inside the heater.**
- **It has best energy integration between coking section and gas recovery**
- **Process is designed to meet the coke quality as metallurgical grade**
- **Coker fractionator is designed first time to give quality distillate required for downstream hydrocracker.**
- **Process conditions are optimized for maximum production of lighter fractions**