

# **Glossary and Abbreviations**



## Glossary

S. No.	Item	Details
1.	Crude Distillation Unit (CDU)	Distil and separate valuable distillates (LPG, Naphtha, Kerosene, Diesel etc) and bottom from the crude at normal atmospheric pressure. Various fractions are further processed in other units.
2.	Continuous Catalytic Reformer Unit (CCR)	It convert lower octane value naphtha into higher octane products.
3.	Delayed Coker Unit (DCU)	Converts low value residue into valuable products (Naphtha, Diesel and Coker gas oil) and Pet Coke.
4.	Diesel Hydro Desulphurisation Treating Unit (DHDT)	The unit removes Sulphur, Nitrogen and metal impurities of the feed received from different units.
5.	Fuel & Loss	Fuel & Loss refers to the cost that refineries incur due to the fuel consumed to run the refineries and the fuel lost in the system while processing crude into petroleum products.
6.	Gas Oil Hydro De-Sulphurisation (GOHDS) Unit	Removes Sulphur from Light Gas Oil (LGO), Heavy Gas Oil (HGO), and Vacuum Gas Oil (VGO) which is converted into ultra-low sulfur diesel to meet the sulfur specification of diesel.
7.	Gross Refinery Margin (GRM)	The Gross Refinery Margin (GRM) is the difference between the total value of petroleum products coming out of an oil refinery (output) and the price of the crude used for producing the petroleum products. GRM is typically expressed in US dollars per barrel.
8.	Heavy Coker Gas Oil Hydrotreating Unit (CHTU)	This unit is a feed preparation unit for downstream PFCCU. It produces feed stock of low sulfur, low nitrogen feed hydro treated Heavy Coker Gas Oil feed stock for downstream PFCC unit.
9.	Hydrocracker Unit (HCU)	Unit in which heavier fractions of VGO from the VDU and Vis-breaker units are cracked into lighter, more valuable middle distillates using hydrogen
10.	Hydrogen Generation Unit (HGU)	Produces hydrogen by steam reforming of Naphtha

11.	Light or Heavy Crude	Crude with High API (American Petroleum Index) is light crude and crude with low API is heavy crude
12.	Lump Sum Turn Key (LSTK)	In LSTK contract, the contractor is entrusted with the work/services at a fixed cost along with all associated risks till the handing over of the project/asset.
13.	Open Book Execution (OBE)	In an OBE contract, the buyer and seller of work/services agree on remunerable cost and margin that the supplier can add to these costs. The project is invoiced to the customer based on the actual cost plus the agreed margin.
14.	Petrochemical Fluidized Catalytic Cracking Unit (PFCCU)	Produces fuel gas, LPG, polymer grade Propylene, Naphtha and light cycle oil from unconverted bottoms from HCU, hydro-treated heavy Coker gas oil from CHTU and low Sulphur VGO from CDU/VDU.
15.	Poly Propylene Unit (PPU)	Petrochemical unit for production of Poly Propylene from Propylene, output of PFCCU.
16.	Sulphur Recovery Unit	Unit recovers Sulphur from the feed.
17.	Sweet or Sour Crude	Crude containing low sulphur content is termed as sweet crude and crude with high sulphur content is termed as sour crude.
18.	Throughput	The total tonnage of crude oil fed into an oil refinery is its throughput.
19.	Vacuum Distillation Unit (VDU)	Distills the residue crude from the bottom of the CDU to valuable gas oils.
20.	Vis-breaker Unit (VBU)	Upgrades short residues coming from the bottom of vacuum distillation column by thermally cracking into lighter, reduced viscosity products.