



# indDSK®

## Production of Ultra-clean Kerosene

In the scenario of BS-VI/Euro-VI fuel specifications, there is a requirement of ultra clean Pipeline Compatible Kerosene (PCK) as an interface plug for a multi-product pipeline having  $\leq 10$  ppmw sulphur. PCK is also suitable as blending material in BS-VI/Euro-VI diesel pool of refineries. To enable refiners to meet this specific requirement, IndianOil R&D has developed indDSK® technology to produce ultra-clean Pipeline Compatible Kerosene (PCK).

### Salient Features

- Low severity hydrodesulphurisation process - optimised for kerosene range
- Negligible hydrogen consumption and product yield above 99.5%
- Product meets all critical properties such as Acidity, Colour, Flash Point, etc.
- Customised Catalysts and efficient reactor internals developed by IndianOil R&D
- Capability to produce ATF with addition of minor hardware at downstream of the Reactor.

### Major Benefits

- Can handle feedstock up to  $\sim 4000$  ppmw sulphur
- Flexibility to use reformer off-gas instead of pure hydrogen
- Significant colour improvement meeting Saybolt specification
- Blending of PCK can also be done in BS-VI/Euro-VI diesel pool

### Commercial Experience

- 300 KTA grassroots unit-to be commissioned in one of the Indian refineries by 2022-23

