

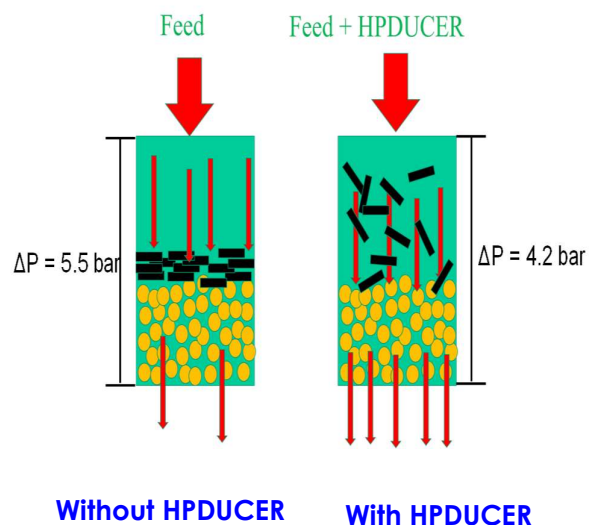
# HPDUCER

## A Dispersant chemical for hydroprocessing units

Fixed bed reactors are common in a refinery operation such as DHDS/DHT. These fixed bed reactors are highly prone to plugging issues. The plugging can be due to contaminants such as corrosive products etc. Plugging leads to increase in pressure drop across the reactors which results in reduced feed throughput and loss of GRM, the tubes. Solutions available for such problems are:

- Shutdown and offline reactor cleaning (Skimming).
- Online reactor cleaning without shutdown.

Skimming process is costly process in terms of unplanned shut down of unit and catalyst replacement. Most of the refineries follow the online reactor cleaning with dispersant chemical. Only very few global players offer the dispersant chemicals. Thus, there is a need for developing low-cost indigenous chemical for the reduction of pressure drop across the reactor. HPCL R&D has developed dispersant chemical "HPDUCER" for pressure drop reduction. HPDUCER product was demonstrated at HPCL Visakh refinery DHDS unit. HPDUCER is very effective in pressure drop reduction and to maintain the feed throughput.



HPCL offers HPDUCER as a Novel solution for pressure drop reduction across the DHDS/DHT units in refinery.