

## Residue/ Motor Spirit/ High Speed Diesel Upgrade at Indian Oil Corporation's Koyalia (Baroda), India

Uhde is in the process of implementing a VGO - HDT, ATF, FCC, LPG Merox and associated facilities project for India's largest public sector refining company IOCL at their Koyali (Baroda) Refinery in Gujarat. With a capacity of 13.70 MMTPA, the refinery is the company's largest and most efficient refinery, representing almost of a fourth of their total refining capacity.

In line with the nation's commitment to international vehicular fuel emission norms (India is committed to meeting Euro IV standards by year 2010), India's refining companies are investing in upgrading the quality of their output. IOCL, which accounts

for almost 34% of the national refining capacity, has initiated motor spirit quality upgradation programmes at a number of its refineries, including its Koyali (Baroda) refinery.

Uhde was appointed to render Project Management, Residual Process Design/Engineering, Detailed Engineering, Procurement and Expediting Services and Supervision Services for Commissioning and Test Run for the Vacuum Gas Oil (VGO) - HDT (Hydro Treating), ATF (Aviation Turbine Fuel), Fluid Catalytic Cracking (FCC), LPG Merox and associated facilities. The project involves the hydrotreating of feed (crude oil) containing Straight Run VGO and Heavy Coker Gas Oil

(HCGO) with a view to reduce the Sulphur and Nitrogen content, and make them suitable for downstream Hydrocracking and FCC units. UOP, USA is providing the technology for the project. The project is due for completion in the first half of 2010.

Earlier, Uhde had also rendered Project Management Consultancy Services for the refinery in 2003, and is currently actively involved on IOCL's ongoing Motor Spirit Quality (MSQ) Upgradation projects at their Digboi (Assam), Guwahati (Assam) and Paradip (Orissa) refineries.



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