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L&T Dispatches World's Largest Coke Drum

L&T Heavy Engineering set another world record on July 30, 2011 with the manufacture and shipment of the world's largest coke drum.

The 630 MT pressure vessel, with an inside diameter of 9.8m, was manufactured at L&T's Hazira Manufacturing Complex for Indian Oil Corporation's refinery coming up at Paradip.

L&T had won an order for four coke drums, against stiff international competition. The drums are fabricated to the specifications of Foster Wheeler (USA). This surpasses L&T's own benchmark of fabricating four coke drums weighing 520 MT each for IOCL's Gujarat Refinery.

L&T's heavy fabrication facility at Hazira is among the few international shops qualified by all process licensors to manufacture coke drums. L&T developed in-house expertise to engineer and manufacture this critical equipment operating between 474°C and 510°C (with severe fatigue and thermal loads) demanding creep-fatigue analysis to ascertain the fatigue life of the equipment. So far, L&T has supplied 19 coke drums worldwide, and 21 more are under fabrication.



The coke drum at L&T's Hazira Works, ready for despatch.