

CHEMICAL INDUSTRY DIGEST

A BLOCKDALE PUBLICATION

22nd Year of Publication

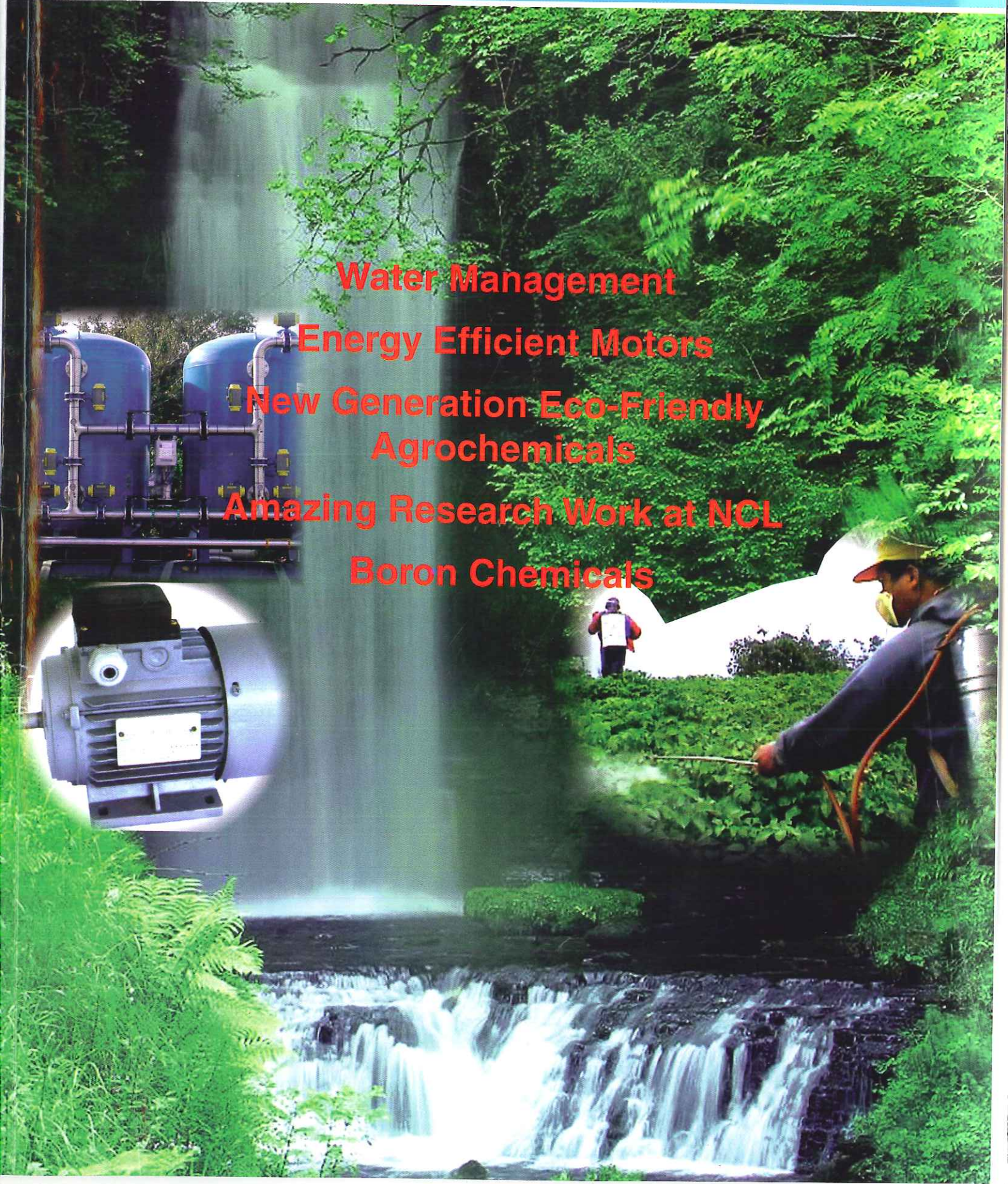
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Tecnimont ICB successfully commissions Carbon Dioxide plant ahead of schedule

Tecnimont ICB Pvt Ltd (TICB) has successfully commissioned a Carbon Dioxide (CO₂) Recovery (CDR) unit for Nagarjuna Fertilizers and Chemicals Ltd (NFCL) at Kakinada in Andhra Pradesh. The plant was formally inaugurated on March 24th 2009 by NFCL Chairman and Managing Director, K S Raju.

This Carbon Dioxide Recovery Unit can capture 450 metric tons per day of CO₂. The plant was constructed by Tecnimont ICB Pvt Ltd (TICB), a leading Engineering, Procurement and Construction (EPC) company in India and the technology was licensed by Mitsubishi Heavy Industries Ltd (MHI). This plant will recover CO₂ from flue gas

emitted during the ammonia production process, (which uses natural gas as fuel), and will provide the captured CO₂ as feedstock for urea production. The scope of MHI was for basic know-how and licensing while TICB was vested with Engineering, Procurement and Construction on lumpsum turnkey.

Due to the intensive efforts of NFCL, TICB and MHI the project was completed two months ahead of schedule. On the occasion of commissioning, TICB Managing Director Pietro Alessandrello said that "TICB has achieved another feat by completing NFCL CO₂ Recovery plant two months ahead of the scheduled plant completion

date. This has been possible by the constant efforts of TICB team members, Technology Partner Mitsubishi Heavy Industries (MHI), Japan and NFCL team. We are indeed pleased at this achievement and determination of our people."

TICB began its stint in carbon capture with two of "first of its kind" 450 MTPD CO₂ recovery contracts on lumpsum EPC awarded by IFFCO, an Indian fertilizer major, in the year 2005 and since then TICB has commissioned three such CDR projects in India and is in the advanced construction phase for a similar capacity CDR Project for Gulf Petrochemical Industries Co (GPIC) in Bahrain.



Cutting the ribbon signifying the commissioning of the CO₂ Recovery unit. Seen in the picture (third from left) TICB Mg Dir Pietro Paulo Alessandrello; NFCL Chairman & Mg Dir, K S Raju and MHI Dy Gen Mgr Mr Minami.

TICB is a wholly owned subsidiary of Tecnimont, SpA, Italy and an integral part of Maire Tecnimont Group, an internationally acclaimed Engineering and Construction Group, that operates in the field of Chemicals and Petrochemicals, Oil & Gas, Power, Civil Engineering and Infrastructure. Within Maire Tecnimont Group, Carbon Capture & Storage (CCS) is one the major focus sectors.