

## Industrial Plants - Project References

Year of Order	Customer	Plant Location	Plant / Product	Capacity (TPA / tpd / MT)	Licensor	Services Rendered
2016	Reichhold India	Ranjangaon	Polyester Resin		- By Client	EPCM
2013	Umicore Autocat India	Pune	Automotive Catalyst plant		- Umicore Autocat India	EPCM, PS
2011	SASOL (TK PDNA)	South Africa	Coal Tar Filtration East Filter Press plant	1,200 tpd	SASOL	E (Detail Engg)
2011	SASOL (TK PDNA)	South Africa	Water Recovery Growth project		- SASOL	E (Detail Engg)
2012	AkzoNobel India	Gwalior	Water Borne Paints	50 MLPA	AkzoNobel	EPCM
2011	Rothe Erde India	Nasik	Large Diameter Bearing Factory (Phase III Expansion)		- -	E (Basic Engg & Detail Engg-CI,EL,PI), P, CS
2010	Reichhold India	Ranjangaon	Resin Storage Tank Farms	3 x 60 KL	Uhde India	E (Basic Engg)
2010	Maroc Phosphore	Morocco	Electrical Engineering Services (JPH Infrastructure Project)		-	EPCM
2010	ThyssenKrupp Engineering Components India	Nashik	Crankshaft Machining Line Infrastructure		- -	EPCM
2009	Maroc Phosphore	Morocco	Infrastructure Project for Fertiliser Complex		- Uhde India	EPCM incl. E (Basic Engg)
2009	DCW Limited	Tamilnadu	Synthetic Iron Oxide Pigment plant	31000 TPA	Rockwood, USA	EPCM
2009	Reichhold India	Ranjangaon	Polyester Resin plant		- By Client	E (Detail Engg), P, CS
2008	LANXESS India	Jhagadia	Ion Resin plant		- LANXESS	EPCM
2008	TRANSNET (TK Engg. South Africa)	South Africa	New Multi-product pipeline project		- -	E (Detail Engg)
2008	Rothe Erde India	Nashik	Large Diameter Bearing Factory (Expansion)		- -	E (Detail Engg)
2007	VVF Limited	Taloja	Hydrogen Plant - Conversion of feed from Naphtha to Natural Gas	2,800 Nm <sup>3</sup> /hr	Uhde India	EPCM incl. E (Basic Engg)
2007	Fujairah Cement Industries (Polysius AG)	UAE	Cement plant		- -	E (Detail Engg - CI)
2006	Thai Oleochemicals Co. (Uhde GmbH)	Thailand	Fatty Alcohol	100000 TPA	Cognis Deutschland	E (Basic Engg & Detail Engg)
2006	Rothe Erde India	Nashik	Large Diameter Gear / Bearings Factory		- -	E (Detail Engg), PS (Part)
2005	L'Oreal India	Pune	Cosmetic plant expansion	Expn. of 120 mio. units p.a.	L'Oreal India	E (Extended Basic Engg & Detail Engg), CS, COS
2005	Chemical Engineering Partners, USA	Canada	Lube Oil Re-refining	24000 TPA	Chemical Engineering Partners	E (Detail Engg)
2005	ThyssenKrupp Electrical Steel	Nashik	Hydrogen - Nitrogen	800 Nm <sup>3</sup> /hr	Hydrogen Caloric	EPC-LSTK
				1050 Nm <sup>3</sup> /hr	Nitrogen Various	
2005	Chemical Engineering Partners, USA	Puerto Rico & Malaysia	Lube Oil Re-Refining		- Chemical Engineering Partners	E (Detail Engg)
2005	VVF Limited	Taloja	Fatty Alcohol (Expansion)	Upto 108,000 TPA (after expn.)		E (Detail Engg)
2005	Nitrex Chemicals	Jhagadia	Cellulose Nitrate	5000 TPA	Nitrex Chemicals	EPCM
2003	VVF Limited	Taloja	Hydrogen	2,800 Nm <sup>3</sup> /hr	Caloric	EPC-LSTK
2003	VVF Limited	Taloja	Saponification		- Mazzoni	EPCM
2002	VVF Limited	Taloja	Fatty Alcohol	60000 TPA	Lurgi Metallurgi	EPCM, PS
2002	Eco Oils Sdn BHD	Malaysia	Spent Bleached Earth (Expansion)	250 tpd (after debottlenecking)	Eco Oils	E (Detail Engg)
2002	VVF Limited	Kutch	Glycerine Distillation	36 tpd	Wurster & Sanger	E (Detail Engg)
2002	EBG India	Nashik	TADL (Revamp)		- EBG India	E (Detail Engg), P, CS
2001	Dresser-Rand India Pvt.Ltd.	Chennai	Gas Boosting Station (for PPN Power Company)	330 MW	Dresser-Rand India	EPCM, PS
2001	Siemens (for Power Grid Corpn.)	Kolar, Karnataka Talcher, Orissa Karakhadi	2,000 MVA HVDC 2,000 MVA HVDC Gelatin		Capacity Combined Power Cycle - Siemens	E (Detail Engg)
2000	Sterling Gelatin			8 tpd	CRODA Colloids	EPCM
1998	Bombay Oxygen	Mumbai	Air Separation unit	130 tpd	Messer	E(Detail Engg), PS, P, CS
1996	Siemens (for Gujarat Torrent Energy Corpn.)	Paguthan	Balance of Plant facilities for 655 MW Power plant		- Siemens	EPCM

## Abbreviations (Services Rendered)

E (Basic Engg), E (Detail Engg), P = Procurement, EPCM = Engineering, Procurement, Construction Management, PS = Proprietary Supplies, CS = Construction Supervision, COS = Commissioning Supervision, EPC-LSTK = Engineering Procurement Construction - Lumpsum Turnkey, FEED - Front End Engineering Design, PMC = Project Management Consultancy, DFR = Detailed Feasibility Report