

## Nitrogenous Fertilisers – Project References

Year of Order	Customer	Plant Location	Plant / Product	Capacity (tpd)	Licensor	Services Rendered
2018	Brunei Fertilizer Industries (tkIS)	Brunei	Ammonia	2,200	tkIS	D(E)
			Urea	3,900	Stamicarbon	
			Urea Granulation	3,900	tkIS	
			Offsites & Utilities	-		
2017	Coromandel Internation	Vizag	Phosphoric Acid	450	Prayon Technologies	EPCM
2017	Gujarat Narmada Valley Fertilizers Co.	Bharuch	Process Gas Cooler	-	tkIS	EPCM
2013	Zuari Agro Chemicals	Goa	Modification of CO <sub>2</sub> Unit in Ammonia plant	-	-	E (PI, MQ)
2013	Orascom Construction Industries – Iowa Fertilizer Co.( tk Uhde)	Iowa, USA	Urea Ammonium Nitrate	4,300	tk Uhde	E
			Urea	2,200	Stamicarbon	
			Nitric Acid	1,530	tk Uhde	
2013	Coromandel International	Kakinada	Ammonia Unloading Arm (replacement)	-	Uhde India	E, P, CS, COS
2012	CF Industries Holdings (TK Uhde)	Donaldsonville USA	Ammonia	3,500	TK Uhde	E
			Urea	3,300	Stamicarbon	
			Nitric Acid	1,520	TK Uhde	
			Urea Ammonium Nitrate	4,300	TK Uhde	

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2012	CF Industries Holdings (TK Uhde)	Port Neal, USA	Ammonia Urea Urea Granulation	2,200 3,500 3,500	TK Uhde Stamicarbon TK Uhde	E
2012	Bandyрма Gubre Fabri Kalary AP (BAGFAS) (TK Uhde)	Turkey	Nitric Acid Ammonium Nitrate Calcium Nitrate Granulation Offsites & Utilities	1,150 1,550 2,000 -	TK Uhde	E (Detailed)
2011	Egyptian Hydrocarbon Corpn. (TK Uhde)	Egypt	Nitric Acid / Low Density Ammonium Nitrate plant / Offsites & Utilities	850 tpd 1,060 tpd	TK Uhde	E (Detailed)
2009	Hindustan Organic Chemicals	Rasayani	Concentrated Nitric Acid refurbishment project	-	Uhde India	E, P, CS, COS
2009	Deepak Fertilisers and Petrochemicals	Taloja & JNPT	Ammonia Unloading System (Upgradation)	-	Uhde India	E (Basic & Detailed)
2009	Gujarat Narmada Valley Fertilizers Co.	Bharuch	Ammonia Unloading System (Revamp)	-	Uhde India	E (Basic & Detailed)
2008	Gujarat Narmada Valley Fertilizers Co.	Bharuch	Concentrated Nitric Acid	150	Plinke	E, P, CS, COS

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2008	Asean Bintulu Fertilizer (Petronas Group)	Malaysia	Ammonia – Urea Rejuvenation project	-	By Client	E (Detailed)
2008	Deepak Fertilisers and Petrochemicals	Taloja	Weak Nitric Acid Plant III Concentration Improvement project	-	Uhde	E (Detailed)
2008	Gujarat Narmada Valley Fertilizers Co.	Bharuch	Weak Nitric Acid	300	Uhde	LSTK
2007	SORFERT (Uhde GmbH)	Algeria	Process plants for : Ammonia Urea	2 x 2,200 1 x 3,450	Uhde Stamicarbon	E (Detailed)
2007	Saudi Arabian Basic Industries (SABIC)	Saudi Arabia	Urea Granulator Ammonia Abatement project	-	-	E (Basic), Cost Estimate
2006	Deepak Fertilisers and Petrochemicals	Taloja	Prilled Ammonium Nitrate	200,000 TPA	Uhde	E(Basic & Detailed), P, CS, COS
2006	Deepak Fertilisers and Petrochemicals	Taloja	Offsites & Utilities for Nitric Acid & Ammonium Nitrate plants	-	-	E, P, CS, COS
2005	Deepak Fertilisers and Petrochemicals	Taloja	Relocation of Nitric Acid plant from Denmark	450	Uhde India	E, P, CS, COS

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2003	Saudi Arabian Fertilizer Co.(SAFCO) (Uhde GmbH)	Saudi Arabia	Ammonia Urea Reformer Package for Ammonia plant	3,300 3,250	Uhde Stamicarbon / Hydro Fertilizer Tech. (Granulation) Uhde	E  E
2003	Rashtriya Chemicals & Fertilizers	Trombay	Weak Nitric Acid (Technology Upgradation)	-	Uhde	LSTK
2002	GAP INSAAT (Uhde GmbH)	Turkmenistan	Reformer Package for Ammonia plant	600	Uhde	E
2001	Asean Bintulu Fertilizer (Petronas Group)	Malaysia	Ammonia-Urea (Revamp)	1,350 2,250	Uhde Stamicarbon / Hydro Fertilizer Tech. (Granulation)	E, CS
2001	Qatar Fertilizer Co.-QAFCO (Uhde GmbH)	Qatar	4th Ammonia & Urea plant Offsites & Utilities Reformer Package for Ammonia plant	2,000 3,200 -	Uhde Stamicarbon Uhde	E, CS E, CS E
1999	Godavari Fertilisers and Chemicals	Kakinada	Ammonia Pre-Heating Package System	-	Uhde India	LSTK
1999	Gujarat Narmada Valley Fertilizers Co.	Bharuch	Wet Scrubber for ANP/CAN plant	-	BASF/ Uhde	LSTK

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1998	Rashtriya Chemicals and Fertilizers	Trombay	Absorption Towers in Nitric Acid plant	320	Uhde	LSTK
1998	ACE Pressureweld (Uhde GmbH)	Myanmar	Nitric Acid	12	Uhde	E
1998	Gujarat Narmada Valley Fertilizers Co.	Bharuch	3 <sup>rd</sup> Gasification Train	-	Texaco	E, P, CS, COS
1997	Gujarat Narmada Valley Fertilizers Co.	Bharuch	Concentrated Nitric Acid (Duplication)	200 (after duplication)	Plinke	E, P, CS, COS
1997	Gujarat Narmada Valley Fertilizers Co.	Bharuch	Weak Nitric Acid (Revamp)	750 (after duplication)	Uhde	E, P, CS, COS
1997	Enaex (Uhde GmbH)	Chile	Weak Nitric Acid Ammonium Nitrate	925 1,060	Uhde	E
1996	Abu Qir Fertilizer Co. (Uhde GmbH)	Egypt	Ammonia Urea	1,200 1,750	Uhde Stamicarbon	E
1994	Thai Nitrate Company (Uhde GmbH)	Thailand	Nitric Acid Ammonium Nitrate	210 220	Uhde Kaltenbach Thuring	E
1994	Qatar Fertilizer Co. (QAFCO)	Qatar	Ammonia Urea	1,500 2,000	Uhde Stamicarbon	E

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	(Uhde GmbH)					
1990	Gujarat Narmada Valley Fertilizers Co.	Bharuch	Ammonium Nitrate Melt Loading	18.5 m <sup>3</sup> /h	Uhde India	E
1989	Gujarat State Fertilizers & Chemicals	Baroda	Concentration of waste Nitric Acid	25	Uhde India	E, P, CS, COS
1989	BASF AG (Uhde GmbH)	Belgium	Ammonia	1,800	Uhde	E
1988	Abu Qir Fertilizer Co. (Uhde GmbH)	Egypt	Ammonia Nitric Acid Ammonium Nitrate	1,000 1,800 2,500	Uhde	E, CS
1987	VBC Industries	Vizag	Ammonium Nitrate (ANFO grade)	80	Uhde/ Norsk Hydro	E, P, CS, COS
1986	Gujarat Narmada Valley Fertilizers Co.	Bharuch	Weak Nitric Acid Concentrated Nitric Acid Calcium Ammonium Nitrate Ammonium Nitro-phosphate	630 100 475 475	Uhde Plinke Uhde BASF	E, P, CS, COS
1980	Steel Authority of India, Rourkela Fertilizer plant	Rourkela	Ammonia synthesis loop (Modification and Expansion)	680 (after expansion)	Uhde	LSTK

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1979	Kavala (Uhde GmbH)	Greece	Nitric Acid	550	Uhde	E
1974	Rashtriya Chemicals & Fertilizers	Trombay	NP Fertilizer Ammonium Nitrate solution (100 %) Concentration of AN Solution (100%)	1,200 640 187	Stamicarbon Hoechst	E, P, CS, COS

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