

Fertilisers Nitrates - Project References

Year of Order	Customer	Plant Location	Plant / Product	Capacity Licensor (tpd)	Services Rendered
2019	El Nasr Co for Intermediate Chemicals [NCIC] (tkIS)	Egypt	Ammonia	1200 tkIS / UOP (CO2 removal)	E (Detailed)
			Urea (Granulated)	1050 Stamicarbon	
			Nitric Acid	500 tkIS	
			Ammonum Nitrate (Neutrailisation)	635 tkIS	
			Calcium Ammonium Nitrate (Granulated)	826 tkIS	
2018	Brunei Fertilizer Industries (tkIS)	Brunei	Ammonia	2200 tkIS AG	E (Detail Engg)
			Urea	3900 Stamicarbon	
			Urea Granulation	3900 tkIS AG	
			Offsites and Utilities	- -	
2017	Gujarat Narmada Valley Fertilizers Co	Bharuch	Process Gas Cooler	- tkIS	EPCM
2013	Zuari Agro Chemicals	Goa	Modification of CO2 Unit in Ammonia plant	- -	E (Detail Engg-PI, MQ)
2013	Orascom Construction Industries - Iowa Fertilizer Co. (tk Uhde)	Iowa, USA	Urea Ammonium Nitrate	4300 tk Uhde	E (Detail Engg)
			Urea	2200 Stamicarbon	
			Nitric Acid	1530 tk Uhde	
2013	Coromandel International	Kakinada	Ammonia Unloading Arm (replacement)	- Uhde India	EPCM
		Vizag	Ammonia Unloading Arm (replacement)	- Uhde India	E (Detail Engg), CS
2012	CF Industries Holdings (TK Uhde)	Donaldsonville USA	Ammonia	3500 tK Uhde	E (Detail Engg)
			Urea	3300 Stamicarbon	
			Nitric Acid	1520 tK Uhde	
			Urea Ammonium Nitrate	4300 tK Uhde	

Fertilisers Nitrates - Project References

Year of Order	Customer	Plant Location	Plant / Product	Capacity (tpd)	Licensor	Services Rendered
2012	CF Industries Holdings (TK Uhde)	Port Neal, USA	Ammonia	2200 tK Uhde	Stamicarbon	E (Detail Engg)
			Urea	3500		
			Urea Granulation	3500 tK Uhde		
2012	Bandyрма Gubre Fabri Kalary AP (BAGFAS) (TK Uhde)	Turkey	Nitric Acid	1150 tK Uhde		E (Detail Engg)
			Ammonium Nitrate	1550		
			Calcium Nitrate Granulation	2000		
			Offsites & Utilities	-		
2011	Egyptian Hydrocarbon Corpn. (TK Uhde)	Egypt	Nitric Acid	850 tK Uhde		E (Detail Engg)
			Low Density Ammonium Nitrate	1060		
			Offsites & Utilities			
2009	Hindustan Organic Chemicals	Rasayani	Concentrated Nitric Acid refurbishment project		- Uhde India	EPCM
2009	Deepak Fertilisers and Petrochemicals	Taloja & JNPT	Ammonia Unloading System (Upgradation)		- Uhde India	E (Basic Engg & Detail Engg)
2009	Gujarat Narmada Valley Fertilizers Co.	Bharuch	Ammonia Unloading System (Revamp)		- Uhde India	E (Basic Engg & Detail Engg)
2008	Gujarat Narmada Valley Fertilizers Co.	Bharuch	Concentrated Nitric Acid	150	Plinke	EPCM
2008	Asean Bintulu Fertilizer (Petronas Group)	Malaysia	Ammonia - Urea Rejuvenation project		- By Client	E (Detail Engg)
2008	Deepak Fertilisers and Petrochemicals	Taloja	Weak Nitric Acid Plant III Concentration		- Uhde	E (Detail Engg)
2008	Gujarat Narmada Valley Fertilizers Co.	Bharuch	Weak Nitric Acid	300	Uhde	EPC-LSTK
2007	SORFERT (Uhde GmbH)	Algeria	Process plants for : Ammonia	2 x 2,200	Uhde	E (Detail Engg)
			Urea	1 x 3,450		
2007	Saudi Arabian Basic Industries (SABIC)	Saudi Arabia	Urea Granulator Ammonia Abatement project		- -	E (Basic Engg), Cost Estimate

Fertilisers Nitrates - Project References

Year of Order	Customer	Plant Location	Plant / Product	Capacity (tpd)	Licensor	Services Rendered
2006	Deepak Fertilisers and Petrochemicals	Taloja	Prilled Ammonium Nitrate	200,000 TPA	Uhde	EPCM incl. E (Basic Engg)
2006	Deepak Fertilisers and Petrochemicals	Taloja	Offsites & Utilities for Nitric Acid & Ammonium Nitrate plants	-	-	EPCM
2005	Deepak Fertilisers and Petrochemicals	Taloja	Relocation of Nitric Acid plant from Denmark	450	Uhde India	EPCM
2003	Saudi Arabian Fertilizer Co. (SAFCO) (Uhde GmbH)	Saudi Arabia	Ammonia	3300	Uhde	E (Detail Engg)
			Urea	3250	Stamicarbon	
			Reformer Package for Ammonia plant		Hydro Fertilizer Tech. (Granulation) / Uhde	
2003	Rashtriya Chemicals & Fertilizers	Trombay	Weak Nitric Acid (Technology Upgradation)	-	Uhde	EPC-LSTK
2002	GAP INSAAT (Uhde GmbH)	Turkmenistan	Reformer Package for Ammonia plant	600	Uhde	E (Detail Engg)
2001	Asean Bintulu Fertilizer (Petronas Group)	Malaysia	Ammonia	1350	Uhde	E (Detail Engg), CS
			Urea (Revamp)	2250	Stamicarbon / Hydro Fertilizer Tech. (Granulation)	
2001	Qatar Fertilizer Co.-QAFCO (Uhde GmbH)	Qatar	4th Ammonia &	2000	Uhde	E (Detail Engg), CS
			Urea plant	3200	Stamicarbon	
			Offsites & Utilities Reformer Package for Ammonia plant	-	Uhde	E (Detail Engg)
1999	Godavari Fertilisers and Chemicals	Kakinada	Ammonia Pre-Heating Package System	-	Uhde India	EPC-LSTK
1999	Gujarat Narmada Valley Fertilizers Co.	Bharuch	Wet Scrubber for ANP/CAN plant	-	BASF/ Uhde	EPC-LSTK

Fertilisers Nitrates - Project References

Year of Order	Customer	Plant Location	Plant / Product	Capacity Licensor (tpd)	Services Rendered
1998	Rashtriya Chemicals and Fertilizers	Trombay	Absorption Towers in Nitric Acid plant	320 Uhde	EPC-LSTK
1998	ACE Pressureweld (Uhde GmbH)	Myanmar	Nitric Acid	12 Uhde	E (Detail Engg)
1998	Gujarat Narmada Valley Fertilizers Co.	Bharuch	3rd Gasification Train	- Texaco	EPCM
1997	Gujarat Narmada Valley Fertilizers Co.	Bharuch	Concentrated Nitric Acid (Duplication)	200 Plinke (after duplication)	EPCM
1997	Gujarat Narmada Valley Fertilizers Co.	Bharuch	Weak Nitric Acid (Revamp)	750 Uhde (after duplication)	EPCM
1997	Enaex (Uhde GmbH)	Chile	Weak Nitric Acid	925 Uhde	E (Detail Engg)
			Ammonium Nitrate	1060	
1996	Abu Qir Fertilizer Co. (Uhde GmbH)	Egypt	Ammonia	1200 Uhde	E (Detail Engg)
			Urea	1750 Stamicarbon	
1994	Thai Nitrate Company (Uhde GmbH)	Thailand	Nitric Acid	210 Uhde	E (Detail Engg)
			Ammonium Nitrate	220 Kaltenbach Thuring	
1994	Qatar Fertilizer Co. (QAFCO) (Uhde GmbH)	Qatar	Ammonia	1500 Uhde	E (Detail Engg)
			Urea	2000 Stamicarbon	
1990	Gujarat Narmada Valley Fertilizers Co.	Bharuch	Ammonium Nitrate Melt Loading	18.5 m ³ /h Uhde India	E (Detail Engg)
1989	Gujarat State Fertilizers & Chemicals	Baroda	Concentration of waste Nitric Acid	25 Uhde India	EPCM
1989	BASF AG (Uhde GmbH)	Belgium	Ammonia	1800 Uhde	E (Detail Engg)
1988	Abu Qir Fertilizer Co. (Uhde GmbH)	Egypt	Ammonia	1000 Uhde	E (Detail Engg),
			Nitric Acid	1800	CS
			Ammonium Nitrate	2500	
1987	VBC Industries	Vizag	Ammonium Nitrate (ANFO grade)	80 Uhde / Norsk Hydro	EPCM

Fertilisers Nitrates - Project References

Year of Order	Customer	Plant Location	Plant / Product	Capacity Licensor (tpd)	Services Rendered
1986	Gujarat Narmada Valley Fertilizers Co.	Bharuch	Weak Nitric Acid	630 Uhde	EPCM
			Concentrated Nitric Acid	100 Plinke	
			Calcium Ammonium Nitrate	475 Uhde	
			Ammonium Nitrophosphate	475 BASF	
1980	Steel Authority of India, Rourkela Fertilizer plant	Rourkela	Ammonia synthesis loop (Modification and Expansion)	680 Uhde (after expn.)	EPC-LSTK
1979	Kavala (Uhde GmbH)	Greece	Nitric Acid	550 Uhde	E (Detail Engg)
1978	Hindustan Organic Chemicals	Rasayani	Concentrated Nitric Acid (HOKO Process)	50 Uhde	EPCM
1974	Rashtriya Chemicals and Fertilizers	Trombay	NP Fertilizer	1200 Stamicarbon	EPCM
			Ammonium Nitrate solution (100 %)	640 / Hoechst	
			Concentration of AN Solution (100%)	187	

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