

## Cryogenic Storages - Project References

Year of Order	Customer	Plant Location	Plant / Product	Capacity (MT)	Licensor	Services Rendered
2018	Gujarat State Fertilizers & Chemicals	Sikka	Cryogenic Ammonia Storage Tank with related facilities	10,000	tkIS India	EPC-LSTK
2018	Saudi Basic Industries	Al-Jubail, KSA	Decommissioning & Recommissioning of Cryogenic Ammonia Storage Tanks	2 x 20,000	tkIS India	E (Detail Engg)
2016	Chambal Fertilisers and Chemicals	Gadepan	Decommissioning, Inspection & Recommissioning of Ammonia Storage Tank	1 x 10,000	tkIS India	EPC-LSTK
2016	Sanjana Cryogenic Storages	Haldia	Rerouting of Ammonia Pipeline for 1 x 10,000 MT Cryogenic Ammonia Storage Tank	-	-	EPC-LSTK
2014	Coromandel International	Kakinada	Decommissioning, Inspection & Recommissioning of Ammonia Storage Tank	1 x 5,000	Uhde India	EPC-LSTK
2013	Tata Chemicals	Haldia	Inspection of Cryogenic Ammonia Storage Tank	1 x 10,000	Uhde India	E (Detail Engg)
2013	Omnia Fertilizers	South Africa	Cryogenic Ammonia Storage Tank	1 x 10,000	Uhde India	EPCM
2012	Farabi Petrochemicals	Saudi Arabia	Benzene Storage Tank	1 x 4,000	Uhde India	E (Detail Engg), P, CS
2012	Indian Farmers Fertilizer Cooperative (IFFCO)	Kalol	Cryogenic Ammonia Storage Tank	1 x 10,000	Uhde India	EPC-LSTK
2012	Coromandel International	Vizag	Decommissioning, Recommissioning of Cryogenic Ammonia Ship Unloading Line	-	Uhde India	E (Detail Engg)
2012	National Fertilizers	Vijaipur	Inspection of Cryogenic Ammonia Storage Tank	1 x 10,000	Uhde India	E (Detail Engg)
2010	MATIX Fertilisers & Chemicals [Essar Projects (India)]	West Bengal	Cryogenic Ammonia Storage Tanks	2 x 5,000	Uhde India	EPC-LSTK
2009	Albayroni (A-Jubail) Fertiliser Co.) SABIC Group	Saudi Arabia	Inspection of Cryogenic Ammonia Storage Tank	1 x 20,000	Uhde India	E (Detail Engg)
2009	Paradeep Phosphates	Paradeep	Inspection Repair, Commissioning of Ammonia tank no.IV	1 x 10,000	Uhde India	EPC-LSTK
2009	Coromandel International	Chennai	Decommissioning, Inspection, Recommissioning of Ammonia Tank	1 x 12,500	Uhde India	EPC-LSTK
2008	Bharat Petroleum Corporation	JNPT, Mumbai	Refrigerated Pipelines & Storage Tank for LPG	2 x 8,000	Uhde India	EPCM
2006	Paradeep Phosphates	Paradeep	Inspection, Erection, Commissioning of Ammonia tank no.1	1 x 10,000	Uhde India	EPC-LSTK
2006	Mangalore Chemicals & Fertilizers	Mangalore	Inspection, Erection, Commissioning of Ammonia tank	1 x 10,000	Uhde India	EPCM
2006	Deepak Fertilizers and Petrochemicals	JNPT, Mumbai	Ammonia tank (double-integrity) with 4.8 kms cross-country pipeline	1 x 15,000	Uhde India	EPC-LSTK
2004	Paradeep Phosphates	Paradeep	Inspection, Repairs, Recommissioning of Ammonia tank III	1 x 10,000	Uhde India	EPC-LSTK
2004	Indo Gulf Corpn.	Jagdishpur	Decommissioning, Recommissioning of Ammonia Storage tank	1 x 10,000	Uhde India	EPC-LSTK
2004	AB Achema (Uhde GmbH)	Lithuania	Ammonia Storage tank	1 x 15,000	Uhde India	E (Detail Engg)
2003	Paradeep Phosphates	Paradeep	Inspection, Repair, Recommissioning of Ammonia tank II	1 x 10,000	Uhde India	EPCM
2003	Qatar Fertilizer Co. (QAFCO) (Uhde GmbH)	Qatar	Ammonia Storage tank (double-integrity) & associated facilities	1 x 40,000	Uhde	E (Detail Engg)
2003	GAP INSAAT (Uhde GmbH)	Turkmenistan	Ammonia tank (single-walled)	1 x 5,000	Uhde	E (Detail Engg)
2003	Tiszai Vegyi Kombinát RT. (Uhde GmbH)	Hungary	Ethylene tank	1 x 6,000	Uhde	E (Detail Engg)
2002	Shiraz Petrochemicals	Iran	Ammonia tank & associated facilities	1 x 5,000	Uhde India	E (Detail Engg), PS
2002	Sanjana Cryogenics (for Hindustan Lever Chemicals)	Haldia	Ammonia tank & associated facilities (double-integrity) with 7 kms cross-country pipeline	1 x 10,000	Uhde India	EPC-LSTK
2000	Egyptian Fertilizer Co. (Uhde GmbH)	Egypt	Ammonia tank (single-walled)	1 x 15,000	Uhde	E (Detail Engg)
2000	Oswal Chemicals & Fertilizers	Paradeep	Decommissioning & Recommissioning of Ammonia tank	1 x 20,000	Uhde India	CS
2000	Tata Chemicals	Babralla	Inspection, Decommissioning & Recommissioning of Ammonia tanks	2 x 5,000	Uhde India	EPCM
1999	Dialog Holdings SDN BHD (Uhde GmbH)	Malaysia	Propylene tank	1 x 12,200	Uhde	E (Detail Engg)
1999	Nagarjuna Fertilizers & Chemicals	Kakinada	Decommissioning of Ammonia tank	-	Uhde India	E (Detail Engg), CS
1999	Coromandel International	Vizag	Ammonia tank (double-integrity)	1 x 5,000	Uhde India	EPC-LSTK
1998	The Egyptian General Organisation for Chemical Industries (Uhde GmbH)	Egypt	Ammonia tank (single-walled)	1 x 15,000	Uhde	E (Detail Engg)
1998	Indo Gulf Corpn.	Jagdishpur	Ammonia tank (double-integrity)	1 x 5,000	Uhde India	EPC-LSTK
1997	Godavari Fertilisers and Chemicals	Kakinada	Ammonia terminal (double-integrity) with 2.5 kms cross-country pipeline	2 x 5,000	Uhde India	EPC-LSTK
1997	Rashtriya Chemicals & Fertilizers	Trombay	Ammonia terminal (double-integrity)	2 x 5,000	Uhde India	EPC-LSTK
1996	Qatar Fertilizer Co. (QAFCO) (Uhde GmbH)	Qatar	Ammonia tank (double-integrity)	1 x 20,000	Uhde	E (Detail Engg)
1996	Coromandel International	Vizag	Ammonia terminal (double-integrity)	1 x 5,000	Uhde India	EPC-LSTK
1995	Mangalore Chemicals & Fertilizers	Mangalore	Decommissioning, Inspection, Repairs, Re-Insulation & Recommissioning of Ammonia tank	-	Uhde India	EPC-LSTK
1995	EID Parry	Chennai	Ammonia terminal (double-integrity)	1 x 12,500	Uhde India	EPCM
1994	Uhde Thailand Subcontract	Thailand	Basic Engineering for tank farm	-	-	E (Detail Engg)
1991	Gujarat State Fertilizers & Chemicals	Baroda	Ammonia tank (double-integrity)	1 x 10,000	Uhde India	E (Detail Engg)
1990	Gujarat Narmada Valley Fertilizers Co.	Bharuch	Concentrated Nitric Acid tank	2 x 225 m <sup>3</sup>	Uhde India	E (Detail Engg), P, CS
1990	A. B. Cursetji & Sons	Mumbai	Inter-Barge Ammonia transfer	-	Uhde India	E (Detail Engg)

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1990	Gujarat Narmada Valley Fertilizers Co.	Bharuch	Liquid Ammonia Unloading facility	8 m <sup>3</sup> /hr	Uhde India	E (Detail Engg)
1990	Southern Petrochemical Industries Corpn.	Tuticorin	Ammonia tank and associated facilities (double-integrity)	1 x 10,000	Uhde India	E, (Detail Engg), PS, CS, COS
1989	Roche Products	Thane	Underground tank farm		- Roche India	EPCM
1988	Reliance Industries	Patalganga	Tankages for:			EPCM
			Kerosene feed	2 x 10,000		
			Kerosene return	2 x 10,000		
			Paraxylene	2 x 10,000		
			Naphtha return	2 x 10,000		
			MEG	2 x 2,200		
			Caustic Soda	1 x 500		
1987	Formosa Chemicals and Fibre Corporation	Taiwan	Ammonia terminal (double-integrity)	1 x 30,000	Uhde	E (Detail Engg), CS, COS
				1 x 5,000		
1987	Baroda Municipal Corpn.	Baroda	Town Gas Holder	1 x 15,000 m <sup>3</sup>	Uhde	EPC-LSTK
1986	Gujarat State Fertilizers & Chemicals	Baroda	Ammonia tank and associated facilities (double-integrity)	1 x 10,000	Uhde	EPC-LSTK
1986	Indo Gulf Corpn.	Jagdishpur	Ammonia tank and associated facilities (double-integrity)	1 x 10,000	Snam Progetti	EPC-LSTK
1985	Gujarat State Fertilizers & Chemicals	Sikka	Ammonia terminal (double-integrity) at jetty incl 9 kms cross-country pipeline	2 x 10,000	Uhde	EPC-LSTK
			Transfer of Phosphoric Acid	1 x 3,000 at plant		
			Ship to Tank (HDPE)	1,000 t/hr		
			Tank to plant (SS)	136 t/hr		
				with 1 km cross-country pipeline		
1985	Fertilizers & Chemicals Travancore (FACT)	Ambalamedu	Ammonia tank Inspection, Repair and Insulation	1 x 10,000	Uhde	EPC-LSTK
				1 x 5,000		
1985	Rashtriya Chemicals & Fertilizers	Trombay	Ammonia tank Inspection, Repair and Insulation	1 x 15,000	Uhde	EPC-LSTK
1984	Mangalore Chemicals & Fertilizers	Mangalore	Ammonia Loading	30 tpd	Uhde	EPC-LSTK
1983	Zuari Agro Chemicals	Goa	Ammonia tank (double-integrity) with unloading facility	10,000	Uhde	EPC-LSTK
1984	National Fertilizers	Guna	Ammonia terminal (single-walled)	1 x 10,000	Haldor Topsoe	EPC-LSTK
1982	Paradeep Phosphates	Paradeep	Ammonia terminal (double-integrity)	5 x 10,000	Uhde	EPC-LSTK
1982	Krishak Bharati Coop. (KRIBHCO)	Hazira	Ammonia terminal (double-integrity)	2 x 10,000	Kellogg	EPC-LSTK
1982	Rashtriya Chemicals & Fertilizers	Thal	Ammonia terminal (single-walled)	1 x 20,000	Haldor Topsoe	EPC-LSTK
1982	Mangalore Chemicals & Fertilizers	Mangalore	Ammonia terminal (double-integrity)	1 x 10,000	Uhde	EPC-LSTK
1979	Indian Farmers Fertilizers Coop. (IFFCO)	Kandla	Ammonia terminal (double-integrity)	1 x 10,000	Uhde	EPC-LSTK
1979	Baroda Municipal Corpn.	Baroda	Bell and Telescopic type Gas Holder for Town Gas	1 x 15,000 m <sup>3</sup>	Uhde	EPC-LSTK
1976	Rashtriya Chemicals & Fertilizers	Trombay	Dilute Nitric Acid tank	3 x 900 m <sup>3</sup>	Uhde	EPC-LSTK
1973	Fertilizers & Chemicals Travancore (FACT)	Ambalamedu	Ammonia terminal (double-integrity)	1 x 10,000	Uhde for Cochin	EPC-LSTK
				1 x 5,000 for plant		
1972	Rashtriya Chemicals & Fertilizers	Trombay	Ammonia terminal (double-integrity)	1 x 15,000	Uhde	EPC-LSTK

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