

Caustic Soda-Chlorine - Project References

Year of Order	Customer	Plant Location	Plant / Product	Capacity (tpd)	Licensor	Services Rendered
2018	Grasim Industries	Rehala	Caustic Soda (replacement of cell elements)	-	tkIS	E, P, LS, CS, COS
2018	Grasim Industries	Renukoot	Caustic Soda (replacement of cell elements)	-	tkIS	E, P, LS, CS, COS
2018	GACL-NALCO Alkalies & Chemicals	Dahej	Caustic Soda	266,670 TPA	tkIS	E, P, LS, CS, COS
2018	Nirma	Bhavnagar	Caustic Soda (Expansion)	540 (after expn.)	tkIS	E, P, LS, CS, COS
2018	Tata Chemicals	Mithapur	Caustic Soda	100	tkIS	E (BE, DE), P, CS, COS
			Chlorine	713		
2017	Kutch Chemicals Industries	Kutch	Caustic Soda	421	tkIS	E, P, LS, CS, COS
2017	Atul	Atul, Gujarat	Caustic Soda (Expansion)	100 (after expn.)	tkIS	E, P, LS, CS, COS
2017	Grasim Industries	Karwar	Caustic Soda (replacement of cell elements)	-	tkIS	E, LS
2017	Andhra Sugars	Andhra Pradesh	Caustic Soda (Expansion)	Expn. upto 600 tpd	Uhde	E, P, LS, CS, COS
2016	Grasim Industries	Vilayat	Caustic Soda	1,000 (after expn.)	Uhde	E, P, LS
2016	Gujarat Alkalies and Chemicals	Vadodara	Caustic Soda (replacement of cell elements)	-	Uhde	E, P, LS
2016	Grasim	Rehala	Caustic Soda	-	Uhde	E, P, LS

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	Industries		(replacement of cell elements)			
2016	Grasim Industries	Renukoot	Caustic Soda (replacement of cell elements)	-	Uhde	E, P, LS
2016	Xingjiang Heshan Chemical (tkUCE)	China	HCl Electrolysis	429	Uhde	D(E)
2016	Gujarat Alkalies and Chemicals	Dahej	Caustic Soda (replacement of cell elements)	-	Uhde	E, P, LS
2015	Aditya Birla Chemicals (India) [Jayshree Chemicals]	Ganjam	Caustic Soda (Expansion)	250 (after expn.)	Uhde	E,P,LS,CS, COS
2015	Nirma	Bhavnagar	Caustic Soda (Expansion)	270 (after expn.)	Uhde	E,P,LS,CS, COS
2015	Gujarat Alkalies and Chemicals	Dahej	Caustic Soda (replacement of cell elements)	785 (after replacement)	Uhde	E,P,LS,CS, COS
2015	Gujarat Alkalies and Chemicals	Vadodara	Caustic Soda (replacement of cell elements)	500 (after replacement)	Uhde	E, CS, COS
2015	Double Happiness (TKUCE)	China	HCl Electrolysis	Confidential	Uhde	E
2015	Al Qahtani Chemicals Company	Saudi Arabia	Integrated Complex Caustic Soda Ferric Chloride Calcium Chloride	250,000 TPA 50,000 TPA 200,000 TPA	TK Uhde Chlorine Engrs Consito Consito	D(E), P
2015	Grasim Industries	Vilayat	Caustic Soda (replacement of cell elements)	500	TK Uhde Chlorine Engrs	E, LS

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2014	Aditya Birla Chemicals (India)	Rehala	Caustic Soda (replacement of cell elements)	300	TK Uhde Chlorine Engrs	E, LS
2014	Aditya Birla Chemicals (India)	Rehala	Caustic Soda (replacement of cell elements)	300	TK Uhde Chlorine Engrs	E, LS
2014	Atul	Atul, Gujarat	Caustic Soda	75 (conversion to Membrane Cell)	Uhde	E, P, LS, CS, COS
2014	Nirma	Bhavnagar	Caustic Soda	180	Uhde	E, P, LS, CS, COS
2013	Aditya Birla Chemicals	Karwar	Caustic Soda (conversion to Membrane Cell)	150	Uhde	E, LS
2013	Grasim Industries	Nagda	Caustic Soda (replacement of Cell elements)	280 tpd (after replacement)	Uhde	E, LS
2013	Aditya Birla Nuvo	Veraval	Caustic Soda (replacement of Cell elements)	250 tpd (after replacement)	Uhde	E, P, LS, CS, COS
2013	Nirma Limited	Bhavnagar	Caustic Soda (Expansion)	300 tpd (after expn.)	Uhde	E, P, LS, CS, COS
2013	Aditya Birla Chemicals (Thailand)	Thailand	Supply of Cell elements	70	Uhde	E, LS
2013	Grasim Industries	Nagda	Supply of Cell elements	280	Uhde	E, LS
2013	National Chlorine Industries	Jordan	Caustic Soda (Expansion)	54 tpd (after expn.)	Uhde	E, P, LS, CS, COS
2012	Kudos Agrohols	Punjab	Caustic Soda	50	Uhde	LSTK

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2012	Reliance Industries	Dahej	Caustic Soda (replacement of electrolyzers)	490	Uhde	E (Detailed)
2012	K. P. R. Industries (India)	Andhra Pradesh	Caustic Soda	200	Uhde	E,P,LS,CS, COS
2012	Grasim Industries	Nagda	Caustic Soda (replacement of Cell elements)	280 tpd (after replacement)	Uhde	S
2011	Grasim Industries	Vilayat	Caustic Soda	500 tpd	Uhde	E, P, LS, CS, COS
2011	Aditya Birla Chemicals (India) [Bihar Caustic & Chemicals]	Jharkhand	Caustic Soda	450 tpd (after expn.)	Uhde	E, P, LS, CS, COS
2010	Grasim Industries	Nagda	Caustic Soda (replacement of Cell elements)	280 tpd (after replacement)	Uhde	E (Basic + Detailed), LS, COS
2009	Grasim Industries	Nagda	Caustic Soda (replacement of Cell elements)	280 tpd (after replacement)	Uhde	E (Basic + Detailed), LS, COS
2009	Andhra Sugars	Andhra Pradesh	Caustic Soda (Replacement of cell elements & expansion)	Expn. upto 436 tpd	Uhde	E, P, LS, CS, COS
2009	Jayshree Chemicals	Orissa	Caustic Soda (conversion to Membrane Cell)	152	Uhde	E (Basic & Detailed), LS, P, CS, COS
2008	Gujarat Alkalies and Chemicals	Dahej	Caustic Soda (Debottlenecking)	785 tpd (after debottlenecking)	Uhde	E, LS, CS, COS
2008	Aditya Birla Nuvo (Indian Rayon and Industries)	Veraval	Caustic Soda (expansion)	250 tpd (after expn.)	Uhde	E, LS

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2008	Grasim Industries	Nagda	Caustic Soda (replacement of cell elements)	-	Uhde	E, LS
2008	Gujarat Alkalies and Chemicals	Baroda	Caustic Soda (replacement of cell elements)	-	Uhde	E, LS, CS, COS
2007	Aditya Birla Chemicals (India) [Bihar Caustic & Chemicals]	Rehala	Caustic Soda-Chlorine (addition of cell elements)	300 (after addn.)	Uhde	E (Basic & Detailed)
2007	Sahara Petrochemicals (Uhde GmbH)	Saudi Arabia	Caustic Soda-Chlorine	250	Uhde	E (Process Design Package)
2007	Spolchemie (Uhde GmbH)	Czech Republic	Caustic Soda (Conversion to Membrane Cell)	-	Uhde	E (Basic)
2007	Nirma	Bhavnagar	Caustic Soda-Chlorine	240	Uhde	E, P, LS, CS, COS
2007	Andhra Sugars	Andhra Pradesh	Caustic Soda-Chlorine (Expansion)	Expn. by 50 tpd (upto 400 tpd)	Uhde	E, S
2006	Kanoria Chemicals & Industries	Renukoot	Caustic Soda - phase II	Expn. upto 220 tpd	Uhde	E (Basic & Detailed), P, CS, COS
2006	Aditya Birla Nuvo (Indian Rayon and Industries)	Veraval	Caustic Soda (Expansion)	200 (after expn.)	Uhde	E, LS, CS, COS
2006	LUKOIL Chemical Group (Uhde GmbH)	Ukraine	Caustic Soda-Chlorine (Conversion to Membrane Cell)	200,000 TPA Caustic / 177,000 TPA Chlorine	Uhde	E (Detailed)
2006	DCW Ltd.	Tamilnadu	Caustic Soda (Membrane Cell expansion + conversion)	283 (after expansion)	Uhde	E(Basic & Detailed), P, LS, CS, COS
2005	Vestolit	Germany	Caustic Soda-	293,000 TPA	Uhde	E (Detailed)

Page 5 of 10

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	(Uhde GmbH)		Chlorine (Conversion to Membrane Cell))	Caustic / 260,000 TPA Chlorine		
2005	Penwalt (Uhde GmbH)	Mexico	Caustic Soda	110	Uhde	E(Basic)
2005	The Travancore- Cochin Chemicals	Udyogaman dal	Caustic Soda – plant II	25	Uhde	LSTK
2005	Standard Alkalies	Mumbai	Caustic Soda (expansion)	Expn. by 30 tpd	Uhde	E, S, CS, COS
2005	Astha Chemicals (Uhde GmbH)	USA	Caustic Potash	200	Uhde	E
2005	Chemplast Sanmar	Karaikal	Caustic Soda (Expansion)	Expn. by 52.5 tpd (upto 165 tpd)	Uhde	E, LS, CS, COS
2005	Aditya Birla Chemicals (Thailand) Ltd. (erstwhileThai Organics Chemical Co.)	Thailand	Caustic Soda (Expansion)	Expn. by 70 tpd	Uhde	E, LS, CS
2005	Gujarat Alkalies and Chemicals	Dahej	Caustic Soda (expansion)	635 (after expn.)	Uhde	E, S
2004	Aditya Birla Chemicals (India) [Bihar Caustic & Chemicals]	Rehala	Caustic Soda- Chlorine	225(after expansion)	Uhde	E, P, CS, COS
2004	Aditya Birla Nuvo (Indian Rayon and Industries)	Veraval	Caustic Soda (expansion)	175 (after expansion)	Uhde	E, S

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2004	Andhra Sugars	Kovvur	Caustic Potash	50	Uhde	E, S
2004	Tessengerlo Chemie NV (Uhde GmbH)	Belgium	Caustic Soda (Conversion to Membrane Cell) Chlorine	930 825	Uhde	E
2004	Anwil SA (Uhde GmbH)	Poland	Caustic Soda (Conversion to Membrane Cell)	650	Uhde	E
2004	Kanoria Chemicals & Industries	Renukoot	Caustic Soda-Chlorine - phase I	110	Uhde	LSTK
2004	Arvand Petrochemicals (Sazeh Consultants)	Iran	Caustic Soda	1000 x 2 trains	Uhde	E (Detailed)
2004	Sree Rayalaseema Alkalies & Allied Chemicals	Kurnool	Caustic Soda (expansion)	75	Uhde	E, S
2004	The Travancore-Cochin Chemicals	Udyogamandal	Caustic Soda - plant I	25	Uhde	LSTK
2003	Formosa Plastics Corp. (Uhde GmbH)	Taiwan	Caustic Soda	400	Uhde	E
2003	Norsk Hydro (Uhde GmbH)	Norway	Caustic Soda Chlorine	450 400	Uhde	E
2003	Chemplast Sanmar	Pondicherry	Caustic Soda (Expansion)	112.5 (after expn.)	Uhde	E, P, S, CS, COS
2001	Andhra Sugars	Andhra Pradesh	Caustic Soda-Chlorine (Expansion)	350 (after expn.)	Uhde	E, S, CS, COS

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2001	Weifang Yaxing Chemicals Co. (Uhde GmbH)	China	Caustic Soda	175	Uhde	E
2000	National Chlorine Industries	Jordan	Caustic Soda (Expansion)	48 (after expn.)	Uhde	E, S, CS
1998	Qatar Vinyl Co. (Uhde GmbH)	Qatar	Caustic Soda Chlorine	880 790	Bayer/Hoechst/ Uhde	E
1998	Bitterfeld Chlor Alkali (Uhde GmbH)	Germany	Caustic Soda (Revamp)	75,000 TPA	Uhde	E (Detailed) for Piping / PDMS
1998	Wacker Chemie (Uhde GmbH)	Germany	Caustic Soda	696	Bayer/Hoechst/ Uhde	E
1996	Punjab Alkalies & Chemicals	Nangal	Caustic Soda (Conversion to Membrane Cell)	200	Bayer / Hoechst / Uhde	E, S, P, CS, COS
1996	Chemfab Alkalies	Pondicherry	Addition of 2 electrolyzers	40	Uhde	E, P, CS, COS
1996	Gujarat Alkalies and Chemicals	Baroda	Anode / Cathode Recoating & New Catholyte System	-	Uhde	E, S, P, CS, COS
1995	MISR Chemical Industries (Uhde GmbH)	Egypt	Caustic Soda	206	Bayer/Hoechst/ Uhde	E
1995	Gujarat Alkalies and Chemicals	Dahej	Caustic Soda	300	Uhde	E, S, P, CS, COS
1995	Aditya Birla Nuvo (Indian Rayon and Industries)	Veraval	Caustic Soda Caustic Evaporation	100 100	Uhde Bertrams	E, S, P, CS, COS
1995	Kothari Petrochemicals	Karaikal	Caustic Soda	60	Uhde	E, S, P, CS, COS

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1995	Search Chem Industries	Jhagadia	Caustic Soda Caustic Evaporation	100 150	Uhde Niro-Kestner	E, S, P, CS, COS E, P, CS, COS
1994	United Phosphorus	Jhagadia	Caustic Soda (Relocation)	56	Uhde	E, S, P, CS, COS
1992	Punjab Alkalies & Chemicals	Nangal	Caustic Soda (Membrane Cells) Chlorine Hydrogen Chloride Sodium Hypochlorite Caustic Evaporation	100 40 100	Bayer/Hoechst/ Uhde Bertrams	E, S, P, CS, COS
1992	National Chlorine Industries (Uhde GmbH)	Jordan	Caustic Soda	20	Bayer/Hoechst/ Uhde	E, P, CS, COS
1992	Chemfab Alkalies	Pondicherry	Caustic Soda (Membrane Cells & facilities)	21	Bayer/Hoechst/ Uhde	E, P, CS, COS
1992	Grasim Industries	Nagda	Caustic Soda (Conversion to Membrane Cell)	260	Uhde	E, S, P, CS, COS
1992	Indian Petrochemicals Corpn.	Gandhar	Caustic Soda-Chlorine	422	Uhde	E, S, P, CS, COS
1991	Gujarat Alkalies and Chemicals	Baroda	Caustic Soda (Conversion to Membrane Cell) Caustic Potash	205 50	Bayer / Hoechst / Uhde	E, S, P, CS, COS
1990	Punjab Alkalies & Chemicals	Nangal	Caustic Soda (Expansion)	160	Bayer / Hoechst / Uhde	E, P, CS, COS

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1989	Modi Alkalies & Chemicals	Alwar	Caustic Soda (Expansion)	200	Bayer / Hoechst / Uhde	E
1989	Standard Alkali of Standard Mills Co.	Mumbai	Caustic Soda (Conversion to Membrane Cell) Caustic Evaporation	165 165	Bayer/ Hoechst Uhde/ Bertrams	E, S, P, CS, COS
1988	Formosa Plastics Corpn. (Uhde GmbH)	Taiwan	Caustic Soda (Conversion to Membrane Cell)	425	Bayer/Hoechst/ Uhde	E
1988	Gujarat Alkalies and Chemicals	Baroda	Chlorine Liquefaction Chlorine Evaporation Sodium Hypochlorite Caustic Evaporation unit Pre-concentrator	100 65 4 240 50	Hoechst/ Uhde Bertrams Blaw Knox	E, P, CS, COS
1987	Gujarat Alkalies and Chemicals	Baroda	Caustic Soda (Conversion to Membrane Cell)	200	Bayer/ Hoechst/ Uhde	E, P, CS, COS

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