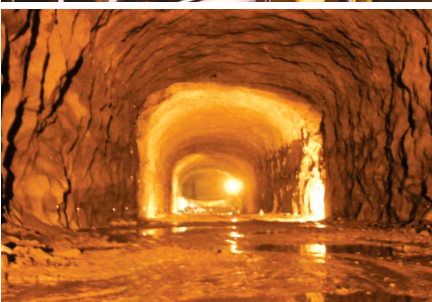




ENGINEERS INDIA LIMITED

Total Solutions Consultancy Company & EPC Contractor

Major Projects



Delivering Excellence through People



Year of Completion	Project	Client	Services
2015	Pipeline Projects (5 Nos.)	Abu Dhabi Gas Industries Ltd. (GASCO), Abu Dhabi	Project Management Consultancy
2014	Habshan Acid Gas Flare Recovery Project	Abu Dhabi Gas Industries Ltd. (GASCO), Abu Dhabi	Project Management Consultancy
2014	Rehabilitation & Adaptation of Algiers Refinery	Sonatrach S.P.A. (Formerly NAFTEC), Algeria	Project Management Consultancy
2013	Rehabilitation & Adaptation of Skikda Refinery	Sonatrach S.P.A., Algeria	Project Management Consultancy
2013	Project Engineering Services for CS-9 Compressor Station	Bahrain National Gas Company (BANAGAS), Bahrain	Design and Detailed Engineering
2012	New Services Contract for Helium, Ethane, LNG, LPG, LQS and Aluminium Projects	Sonatrach S.P.A., Algeria	Development of Engineering Capabilities & PMC Services
2012	Qusahwira Field Development Project (1.8 MMBOPD) of ADCO, Abu Dhabi	National Petroleum Construction Company (NPCC), Abu Dhabi	Detailed Engineering
2012	Mumbasa Refinery Upgrade Project	Kenya Petroleum Refineries Limited (KPRL), Kenya	Detailed Feasibility Report & Preparation of Cost Estimates
2012	New Gas Injection, Gas Lift, Oil Facilities (Package B) at Upper Zakum Facilities	Zakum Development Company (ZADCO), Abu Dhabi	FEED
2012	HAZOP Action Points - Umm-Shaif Fields (USF) & Zakum Fields (ZKF)	Abu Dhabi Marine Operating Company (ADMA-OPCO), Abu Dhabi	Engineering Study
2012	New Flare System at Central Processing Facility (CPF), Turkmenistan	Dragon Oil (Turkmenistan) Ltd, Dubai	Design, Engineering and Preparation of EPIC Tender Package
2012	Revamp of Effluent & Drainage Facilities at Sabhan and Ahmadi Depots	Kuwait National Petroleum Company (KNPC), Kuwait	Feasibility Study and FEED
2012	Water Injection Plant and Cathodic Protection System for Pipelines	Petro Venezolana S.A., El Tigre, Venezuela	Design and Engineering
2012	Heap Leaching Plant for Shinas Oxide Copper Ore Plant	Mawarid Mining, Oman	Feasibility Report
2012	Hydrogen Plant (No. 2) and Hydrocracker Unit (1HCU) at Bahrain Refinery	Bahrain Petroleum Company (BAPCO), Bahrain	HAZOP Study
2011	Reduction Line 1 & 2 Rectifiers Replacement Project	Aluminium Bahrain (ALBA), Bahrain	Consultancy Services
2011	Bentiu Mini Refinery	SUDAPET Company Limited, Khartoum, Sudan	Feasibility Study
2011	Sohar Refinery	Oman Oil Company, Oman	Value Maximisation Study
2011	Revamp of HVAC at existing 070L2K Substations and RIEs	EQUATE Petrochemical Company, Kuwait	Front End Loading Package and Detailed Design
2011	Failure Analysis of Relief Valves during testing at Bahrain Refinery	Bahrain Petroleum Company (BAPCO), Bahrain	Consultancy Study
2010	Crude Batching via GNPOC Pipelines - Batching Operation	White Nile (5B) Petroleum Operating Company (WNPOC), Khartoum, Republic of Sudan	Feasibility Study
2010	Olefins Conversion Unit and Polypropylene Units at Ruwais, Abu Dhabi	Abu Dhabi Polymers Company Ltd. (BOROQUE), Abu Dhabi	Project Management Consultancy
2010	Replacement of NGL Pipeline Network	Abu Dhabi Gas Industries Ltd. (GASCO), Abu Dhabi	Project Management Consultancy
2010	Ethylene Import Facilities	EQUATE Petrochemical Company, Kuwait	Preparation of Cost Estimates
2009	Utilities and Offsites Ph-II at Bandar Imam	Fajr Petrochemical Company, Iran	Project Management Consultancy
2009	9th Olefin Complex at Assaluyeh	Pars Petrochemical Co., Iran	Managing Contractor Services
2009	Third Aromatics Project	Bou Ali Sina Petrochemical Co., Iran	Managing Contractor Services
2009	5 MMTPA Condensate Topping Refinery Project and 4.7 MMTPA LNG Project at Skikda	Sonatrach S.P.A., Algeria	Development of Engineering Capabilities of Sonatrach Engineers and Project Management Consultancy Services
2009	Integrity Enhancement of Fire Protection System for Abu Dhabi Refinery Ph-II & Ph-III	Abu Dhabi Oil Refining Company (TAKREER), Abu Dhabi	Project Management Consultancy
2009	Ethylbenzene and Styrene Monomer Plants at Bandar Assaluyeh	Petrochemical Industries Development Company (PIDMCO), Iran	Managing Contractor Services
2009	ABBR Modification Project	Abu Dhabi Gas Industries Ltd. (GASCO), Abu Dhabi	Project Management Consultancy
2008	Aromatics Complex Project of Kuwait Aromatics Company, Kuwait	Technimont S.P.A., Italy	Engineering Services
2007	Bitumen Production Project at Sohar Refinery	Sohar Refinery Company, Oman	Feasibility Study & Preparation of EPC Tender
2007	9th Olefin Complex at Assaluyeh	Arya Sasol Polymer Co., Iran	Supervision Services
2007	Berri and Uthmaniyam Gas Plants of Saudi Aramco	National Energy Efficiency Program (NEEP), Saudi Arabia	Energy Conservation Opportunity Assessment Study
2007	Ammonia & Urea Complex at Papua New Guinea (PNG)	Crest Strategies Limited (CSL), Dubai	Preparation of Front End Loading (FEL) Document
2007	Two additional Tanks and Tank Farm Facilities Upgrade Project at Jebel Dhanna	Abu Dhabi Company for Onshore Oil Operations (ADCO), Abu Dhabi	Project Management Consultancy
2007	Construction of Floating Roof Gasoline Tanks at Doha Depot	Qatar Fuel Company (WOQOD), Qatar	Project Management Consultancy
2007	Bandar Abbas Condensate Refinery of National Iranian Oil Engineering and Construction Company (NIOEC)	Oil Design & Construction Company (ODCC), Iran	Basic Engineering Design Package

Year of Completion	Project	Client	Services
2006	Six Petroleum Product Storage Tanks at Buipe and Bolgatanga Project	Bulk Oil Storage and Transportation (BOST), Ghana	Engineering Supervision Services for Construction
2006	Heaters and Boilers Safety Upgradation and Emission Control Project at Shuaiba Refinery	Heavy Engg. Industries & Shipbuilding Company (K.S.C.), Shuaiba, Kuwait	Basic and Detailed Engineering Services
2005	Ahwaz/Marun Gas Compression Treatment Project	Iran International Engineering Company, Iran	Residual Process Engineering
2005	Inter Refineries Pipeline Project	Abu Dhabi Oil Refining Company (TAKREER), Abu Dhabi	FEED
2005	Integrity Enhancement of Fire Protection System for Umm-Al-Nar	Abu Dhabi Oil Refining Company (TAKREER), Abu Dhabi	Study, FEED, Construction Supervision
2005	PMRFs in Sahil, Asab, AGGI & Shah Facilities	Abu Dhabi Company for Onshore Oil Operations (ADCO), Abu Dhabi	Engineering, Consultancy Services
2004	RSPPM Project of ONGC, India	Iranian Offshore Engineering & Construction Company, Iran	Detailed Design and Engineering Services
2004	Asab and Sahil Oil Facilities Modification Project	Abu Dhabi Company for Onshore Oil Operations (ADCO), Abu Dhabi	Engineering Services
2004	Hazop Study of Shuaiba Refinery Units	Kuwait National Petroleum Company (KNPC), Kuwait	Study
2004	FEED for New Condensate Disposal Tank (T-13) at NGL Plants, Masaieed	Qatar Petroleum, Qatar	FEED, Engineering Services
2004	Burup Fertilizer Project	Galaxy Projects, Australia	Study, Procurement
2004	Burup Fertilizer Project	Paramount (WA) Ltd., Australia	Safety Integrity Level (SIL) Identification & Verification Study
2003	Modernisation of Instrumentation in Mina-Al-Ahmadi (MAA) Refinery	Kuwait National Petroleum Company (KNPC), Kuwait	Engineering, Procurement, Commissioning Assistance
2003	Offsites & Utilities Project at Bandar Imam Complex in Iran	Fajr Petrochemical Company, Iran	Managing Contractor Services
2003	Ras Laffan Liquid Product Berths	Qatar Petroleum, Qatar	Study, Process Design, FEED, Engineering
2002	New Compressor Station (CS-7) Project	Bahrain National Gas Company (BANAGAS), Bahrain	Engineering Services
2002	Improvement of Refinery Heaters and Boiler Thermal Efficiency	Kuwait National Petroleum Company (KNPC), Kuwait	Study, Process Design, Engineering Services
2002	NODCO Refinery Expansion Project	Qatar Petroleum, Qatar	Process Design & Construction Supervision
2001	Gasoline Production Facilities at Jebel Ali Free Zone, Dubai	Iso Octane Company, Dubai	Process Design, Engineering, Procurement, Construction Supervision & Project Management
2001	Maqta-Taweelah - Jebel Ali Gas Pipeline	National Petroleum Construction Company (NPCC), Abu Dhabi	Process Design & Engineering Services
2000	Flare Gas Recovery Project	Kuwait National Petroleum Company (KNPC), Kuwait	Process Design, Engineering, Procurement, & Project Management
1999	Fertilizer Project in Malaysia	Petronas, Malaysia	Project Management Consultancy
1998	Tankage Restoration Project Stage - II in Kuwait	Kuwait National Petroleum Company (KNPC), Kuwait	Process Design, Engineering, Procurement, & Project Management
1998	Renovation of LNG Complexes at Arzew and Skikda	Sonatrach S.P.A, Algeria	Project Management Consultancy
1998	Aasgard-A Project 3D Remodeling work	Aker Engineering, Norway	Engineering Services
1997	Revamp of LPG Unit at Arzew	Sonatrach S.P.A, Algeria	Engineering Services
1997	30"/16" Dia, 38 Km Khuff Gas Pipeline Dukhan Field in Qatar	Qatar Petroleum, Qatar	Process Design, Engineering & Commissioning Assistance
1996	30" Dia. 43 Km Sajaa-Layyah Gas Pipeline of Sharjah Electricity & Water Deptt., Sharjah	Dodsai Pte. Ltd., Dubai	Process Design & Engineering
1996	Central Compression Platform-White Tiger Field, Vietnam	Samsung Heavy Industries, Korea	Engineering Services
1996	Consolidated Topsides Improvement Project- PS-2 & PS-3	Qatar Petroleum, Qatar	Engineering Services
1996	2 Phase O-psig Separation	MANCO, Qatar	Engineering Services
1996	Bandar Imam Petrochemical Complex	National Petrochemical Co., Iran	Consultancy Services
1996	Tabriz Petrochemical Complex in Iran - Olefins & Downstream Units	Tabriz Petrochemical Company, Iran	Managing Contractor Services
1996	Bul Hanine and Maydan Mahzam Offshore Project	Qatar Petroleum, Qatar	Engineering Services
1995	Technical Assistance to SSB Malaysia	Samsung Heavy Industries Ltd., Korea	Technical Assistance
1995	Fertilizer Complex in Iran	Khorassan Petrochemical Company, Iran	Project Management Consultancy
1994	Health Check of Refineries at Shuaiba, Mina Abdullah and Mina-Al-Ahmadi (MAA) in Kuwait	Sonatrach S.P.A, Algeria	Health Check Studies
1994	Fuel Oil Supply for Mina-Al-Ahmadi (MAA) Refinery in Kuwait	Kuwait National Petroleum Company (KNPC), Kuwait	Engineering & Project. Management
1992	Sitra Marketing Terminal in Bahrain	Bahrain National Oil Company, Bahrain	Process Design & Engineering
1992	30"/12" Dia., 166 Km Maqta-Al-Ain Gas Pipeline in Abu Dhabi	Abu Dhabi National Oil Company (ADNOC), Abu Dhabi	Process Design, Engineering, Procurement, Construction Supervision, Comm. Assistance & Project Management
1985	4 Million TPA LPG Recovery Plant at Arzew, Algeria	Sonatrach S.P.A, Algeria	Project Management Consultancy

Major Projects

Turnkey Projects (EPC)

Year of Completion	Project	Client	Contract Value (₹ in crores)
2013	Onshore Gas Terminal Project at Mallavaram, Andhra Pradesh	Gujarat State Petroleum Corporation	1931
2012	SPM Project for Refinery Expansion & Upgradation Project (Phase-III) at Mangalore	Mangalore Refinery & Petrochemicals Ltd.	651
2012	Polypropylene Unit for Refinery Expansion & Upgradation Project (Phase-III) at Mangalore	Mangalore Refinery & Petrochemicals Ltd.	662
2012	SPM, Pipeline & Jetty Facilities for Paradip Refinery	Indian Oil Corporation Ltd.	600
2011	SRU & PFCC Units for Refinery Expansion & Upgradation Project (Phase-III) at Mangalore	Mangalore Refinery & Petrochemicals Ltd.	2630
2011	WAO Unit for Spent Caustic Treatment for Refinery Expansion & Upgradation Project (Phase-III) at Mangalore	Mangalore Refinery & Petrochemicals Ltd.	11
2011	Euro - IV Quality Upgradation Project at Chennai-DHDT and NHT / ISOM units	Chennai Petroleum Corporation Ltd.	951
2010	Panipat Naphtha Cracker Project - LLDPE / HDPE Swing Unit (EPCC- 3 Package)	Indian Oil Corporation Ltd.	918
2006	Revival of MNW Process Platform	Oil & Natural Gas Corporation Ltd.	30
2006	EPCC Packages 1&2 for Integrated PX - PTA Project at Panipat	Indian Oil Corporation Ltd.	952
2005	D1 Well - Cum - Water Injection Platform	Oil & Natural Gas Corporation Ltd.	284
2004	Laying/Installation of 3 Pipelines Project	Oil & Natural Gas Corporation Ltd.	58
2004	Mumbai High North Water Injection - Cum Gas Compression Platform (MNW)	Oil & Natural Gas Corporation Ltd.	821
2003	N-11, N-12 Well Platforms Project	Oil & Natural Gas Corporation Ltd.	409
2002	Clamp-on Project Mumbai High North under Redevelopment Scheme	Oil & Natural Gas Corporation Ltd.	62
2001	Water Injection Pipelines Replacement Project (WIPRP) Phase-I	Oil & Natural Gas Corporation Ltd.	139
2001	Offsite Modernisation at Mathura Refinery	Indian Oil Corporation Ltd.	37
2000	Mumbai High Pipeline Replacement Project	Oil & Natural Gas Corporation Ltd.	120
2000	Pipeline & Platform Modification (PPM) Project	Oil & Natural Gas Corporation Ltd.	178
2000	Clamp-on related Modification and Pipeline-II (CRMP-II) Project	Oil & Natural Gas Corporation Ltd.	188
1994	Sulphur Recovery Unit at Haldia	Indian Oil Corporation Ltd.	20
1983	20,000 TPA Paraffin Wax Plant at Chennai	Chennai Petroleum Corporation Ltd.	13
1971	Coke Calcination Unit at Barauni	Indian Oil Corporation Ltd.	12

Open Book Estimate Basis

Year of Completion	Project	Client	Services Provided							
			Study	Process Design	Engineering	Procurement	Construction Supervision	Commissioning Assistance	Project Management	Others
2014	CDU-4 Project of Mumbai Refinery	Bharat Petroleum Corporation Ltd.	●	●	●	●	●	●	●	
2013	Wax Project at Numaligarh Refinery	Numaligarh Refineries Ltd.		●	●	●	●		●	
2012	Refinery Expansion and Upgradation Project (Phase-III) at Mangalore	Mangalore Refinery & Petrochemicals Ltd	●	●	●	●	●	●	●	
2012	CDU/VDU Project at Chennai Refinery	Chennai Petroleum Corporation Ltd.		●	●	●	●	●	●	
2012	New Coke Chambers & Allied Modernization Facilities at Guwahati Refinery	Indian Oil Corporation Limited		●					●	
2012	9 Million TPA Guru Gobind Singh Refinery at Bathinda	HPCL-Mittal Energy Limited (HMEL)	●	●	●	●	●	●	●	
2011	Diesel Quality Upgradation Project at Numaligarh Refinery	Numaligarh Refineries Ltd.		●	●	●	●		●	
2011	Euro - IV Quality Upgradation Project at Chennai-DHDT and NHT / ISOM units	Chennai Petroleum Corporation Ltd.	●	●	●	●	●	●	●	
2011	Capacity Expansion - cum - Modernization Project (CEMP) Phase - II at Kochi Refinery	Bharat Petroleum Corporation Ltd.		●	●	●	●	●	●	
2011	DHDT Project at Bongaigaon Refinery	Bongaigaon Refinery & Petrochemicals Ltd.	●	●	●	●	●	●	●	
2011	Panipat Refinery additional expansion from 12 to 15 Million TPA	Indian Oil Corporation Ltd.	●	●	●	●	●	●	●	
2010	FCCU-II Revamp under Visakh Refinery Clean Fuel Project (VRCFP)	Hindustan Petroleum Corporation Ltd.		●	●	●	●	●	●	
2009	Visakh Refinery Clean Fuel Project (VRCFP)	Hindustan Petroleum Corporation Ltd.	●	●	●	●	●	●	●	
2009	6 Million TPA Central India Refinery Project at Bina	Bharat Oman Refineries Ltd.	●	●	●	●	●	●	●	
2008	Green Fuel and Emission Control Project at Mumbai	Hindustan Petroleum Corporation Ltd.		●	●	●	●	●	●	
2008	9 Million TPA Refinery at Vadinar, Gujarat	Essar Oil Ltd.		●	●	●	●	●	●	
2006	MS Quality Upgradation Project at Gujarat Refinery	Indian Oil Corporation Ltd.		●	●	●	●	●	●	
2006	CCRU Revamp Project at Panipat Refinery	Indian Oil Corporation Ltd.		●	●	●	●	●	●	
2006	Panipat Refinery Expansion Project	Indian Oil Corporation Ltd.	●	●	●	●	●	●	●	❖❖
2005	DHDS Revamp at Vizag Refinery	Hindustan Petroleum Corporation Ltd		●	●	●	●	●	●	
2005	Capacity Expansion- cum -Modernisation Project at Kochi (Phase-I)	Kochi Refineries Ltd.	●	●	●	●	●	●	●	
2005	CRU Revamp Project at Mumbai Refinery	Bharat Petroleum Corporation Ltd.		£	●	●	●	●	●	
2005	6 Million TPA Mumbai Refinery Modernisation Project	Bharat Petroleum Corporation Ltd.	●	●	●	●	●	●	●	❖❖
2004	FCC Unit Revamp at Chennai	Chennai Petroleum Corporation Ltd.			●	●	●	●	●	

£ Residual Process Engineering
❖❖ PMC Services for part of the project

Major Projects

Petroleum Refining

Year of Completion	Project	Client	Services Provided							
			Study	Process Design	Engineering	Procurement	Construction Supervision	Commissioning Assistance	Project Management	Others
2004	AVU Yield & Energy Improvement & low cost revamp of CDU at Mathura Refinery	Indian Oil Corporation Ltd.		●	●	●	●	●	●	
2004	3 Million TPA Refinery Expansion Project at Manali	Chennai Petroleum Corporation Ltd.	●	●	●	●	●	●	●	❖❖
2003	Hydrotreater Project at Digboi	Indian Oil Corporation Ltd.								❖
2002	FCC Unit Revamp at Mumbai Refinery	Bharat Petroleum Corporation Ltd.	●	●	●	●	●	●	●	
2002	Barauni Refinery Expansion Project	Indian Oil Corporation Ltd.								❖
2002	Solvent Dewaxing/Deoiling Project at Digboi	Indian Oil Corporation Ltd.								❖
2001	Offsite Automation Project at Mumbai Refinery	Bharat Petroleum Corporation Ltd.	●	●	●				●	❖
2001	Hydrotreater Project at Guwahati	Indian Oil Corporation Ltd.		●	●	●	●	●	●	
2001	0.7 Million TPA New FCC Unit at Haldia Refinery	Indian Oil Corporation Ltd.		●	●	●	●	●	●	
2001	Additional Sulphur Recovery Unit at Panipat Refinery	Indian Oil Corporation Ltd.		●	●	●	●	●	●	
2000	Propylene Separation at Panipat Refinery	Indian Oil Corporation Ltd.		●	●	●	●	●	●	
2000	2.0 Million TPA DHDS Project at Kochi	Kochi Refineries Ltd.	●							†
2000	Refinery Expansion by 3 Million TPA (Phase II) at Vizag	Hindustan Petroleum Corpn. Ltd.		●	●	●	●	●	●	
2000	1.8 Million TPA DHDS Project at Vizag	Hindustan Petroleum Corpn. Ltd.	●							†
2000	1.0 Million TPA DHDS Project at Mathura	Indian Oil Corporation Ltd.	●							†
1999	1.2 Million TPA DHDS Project at Vadodara	Indian Oil Corporation Ltd.	●							†
1999	1.2 Million TPA DHDS Project at Haldia	Indian Oil Corporation Ltd.	●							†
1999	0.7 Million TPA DHDS Project at Panipat	Indian Oil Corporation Ltd.	●							†
1999	1.8 Million TPA DHDS Project at Chennai	Chennai Petroleum Corporation Ltd.	●	●	●	●	●	●	●	
1999	1.4 Million TPA DHDS Project at Mumbai	Bharat Petroleum Corporation Ltd.	●	●	●	●	●	●	●	
1999	Matching Secondary Processing Facilities at Mathura	Indian Oil Corporation Ltd.		●	●	●	●	●	●	\$
1999	Capacity Expansion by 3.0 MMTPA (7.5 to 10.5 Million TPA) at Kochi	Kochi Refineries Ltd.	●	●	●	●	●	●	●	
1999	Refinery Expansion by 6 Million TPA of MRPL at Mangalore	Toyo Engineering		●	●	●	●	●		
1999	Refinery Expansion by 3 Million TPA Phase II (AU - V) at Vadodara	Indian Oil Corporation Ltd.		●	●	●	●	●	●	
1999	1.5 Million TPA DHDS Project at Mumbai	Hindustan Petroleum Corpn. Ltd.	●							†
1998	FCC Unit Revamp at Mathura	Indian Oil Corporation Ltd.		●	●	●	●		●	
1998	LPG Bottling Plant at Bongaigaon	Bongaigaon Refinery & Petrochemicals Ltd.		●	●	●	●	●	●	
1999	6 Million TPA Refinery at Panipat	Indian Oil Corporation Ltd.	●	●	●	●	●	●	●	
1999	3 Million TPA Refinery at Numaligarh	Numaligarh Refineries Ltd.		●	●	●	●	●	●	
1998	Additional Tankage Project at Vizag	Hindustan Petroleum Corpn. Ltd		●	●	●	●	●	●	
1998	Instrument Modernisation and Advanced Control at Bongaigaon Refinery	Bongaigaon Refinery & Petrochemicals Ltd.			●	●	●			
1998	Delayed Coking Unit at Digboi Refinery	Indian Oil Corporation Ltd.		●	●	●	●	●	●	

- ❖ PMC Services
- ❖❖ PMC Services for part of the project
- † Front End Engg. Design (FEED) & PMC
- \$ FEED & PMC Services for some units

Year of Completion	Project	Client	Services Provided							
			Study	Process Design	Engineering	Procurement	Construction Supervision	Commissioning Assistance	Project Management	Others
1998	60,000 TPA Wax Hydro-finishing Unit at Digboi Refinery	Indian Oil Corporation Ltd.			●	●	●		●	
1998	Bitumen Drum and Bulk Filling at Mathura	Indian Oil Corporation Ltd.		●	●	●	●	●	●	
1997	60,000 TPA Wax Hydro-finishing Unit at Barauni Refinery	Indian Oil Corporation Ltd.		●	●	●			●	
1997	Revamp of Visbreaker Unit at Kochi Refinery	Kochi Refineries Ltd.		●	●	●	●	●		
1997	5,00,000 TPA Catalytic Reformer at Mathura	Indian Oil Corporation Ltd.			●	●	●	●	●	
1997	3,00,000 TPA Catalytic Reformer at Barauni	Indian Oil Corporation Ltd.		●	●	●	●	●	●	
1997	90,000 TPA Catalytic Reformer at Digboi	Indian Oil Corporation Ltd.		●	●	●	●	●	●	
1997	Wax Hydrofinishing and Wax Deoiling Plants at Chennai	Chennai Petroleum Corporation Ltd.		●	●	●				
1996	26,000 TPA Propylene Recovery Unit at Mathura Refinery	Indian Oil Corporation Ltd.		●	●	●	●	●	●	
1996	3 Million TPA Refinery at Mangalore	Mangalore Refinery & Petrochemicals Ltd.		●	●	●	●	●	●	
1996	Modernisation of Digboi Refinery (0.5 Million TPA)	Indian Oil Corporation Ltd.		●	●	●	●	●	●	
1995	Refinery Expansion at Kochi by 3 Million TPA	Kochi Refineries Ltd.		●	●	●	●	●	●	
1995	LPG Recovery at Bongaigaon	Bongaigaon Refinery & Petrochemicals Ltd.		●	●	●	●	●	●	
1995	Expansion of Refinery at Bongaigaon from 1.35 to 2.35 Million TPA	Bongaigaon Refinery & Petrochemicals Ltd.		●	●	●	●	●	●	
1995	30,000 TPA MTBE Plant at Mumbai Refinery	Bharat Petroleum Corporation Ltd.			●	●	●	●	●	
1995	CCU Revamp at Mumbai	Bharat Petroleum Corporation Ltd.		●	●			●	●	
1994	Additional Tankages in Refinery at Mumbai	Bharat Petroleum Corporation Ltd.		●	●	●	●	●	●	
1994	Naphtha Stabiliser Unit at Mumbai	Bharat Petroleum Corporation Ltd.		●	●	●	●	●	●	
1994	Lube Refinery Expansion at Chennai	Chennai Petroleum Corporation Ltd.		●	●	●	●	●	●	
1994	Lube Refinery Expansion at Haldia	Indian Oil Corporation Ltd.		●	●	●	●	●	●	
1993	Food Grade Hexane Plant at Vadodara	Indian Oil Corporation Ltd.		●	●	●	●	●	●	
1993	0.5 Million TPA Refinery at Nagapattinam	Chennai Petroleum Corp. Ltd.		●	●	●	●	●	●	
1993	1.2 Million TPA Gujarat Hydrocracker Project at Vadodara	Indian Oil Corporation Ltd.		●	●	●	●	●	●	
1992	UDEX Unit Revamp at Vadodara	Indian Oil Corporation Ltd.		●	●	●	●	●	●	
1991	Special Cut Naphtha Unit at Mumbai	Bharat Petroleum Corporation Ltd.		●	●	●	●	●	●	
1989	Sulphur Recovery, Amine Treating and Sour Water Stripping Facilities at Mumbai	Bharat Petroleum Corporation Ltd.	●	●	●	●	●	●	●	
1989	Revamp of Refinery to increase capacity from 6 to 7.5 Million TPA at Mathura	Indian Oil Corporation Ltd.	●	●	●	●	●	●	●	
1988	Asphalt Production Facility at Chennai	Chennai Petroleum Corporation Ltd.		●	●	●	●	●	●	
1988	Revamp of Gujarat Refinery from 7.3 to 9.5 Million TPA at Vadodara	Indian Oil Corporation Ltd.	●	●	●	●	●	●	●	
1988	Revamp of Barauni Refinery to increase capacity from 3.3 to 4.2 Million TPA at Barauni	Indian Oil Corporation Ltd.	●	●	●	●	●	●	●	

Major Projects

Petroleum Refining

Year of Completion	Project	Client	Services Provided							
			Study	Process Design	Engineering	Procurement	Construction Supervision	Commissioning Assistance	Project Management	Others
1987	5,00,000 TPA Delayed Coker & 50,000 TPA LPG Plant at Barauni	Indian Oil Corporation Ltd.		●	●	●	●	●	●	
1986	Revamp of Refinery to increase capacity from 0.7 to 1.1 Million TPA at Guwahati	Indian Oil Corporation Ltd.	●	●	●	●	●	●	●	
1986	Expansion of Refinery from 5 to 6 Million TPA and Secondary Processing Facilities (FCC: 0.6 Million TPA) at Mumbai	Bharat Petroleum Corporation Ltd.		●	●	●	●	●	●	
1986	Expansion of Refinery from 1.5 to 5.6 Million TPA & Secondary Processing Facilities (FCC : 0.6 Million TPA) at Vizag	Hindustan Petroleum Corpn. Ltd.	●	●	●	●	●	●	●	
1986	Expansion of Refinery from 2.8 to 5.6 Million TPA & Secondary Processing Facilities (FCC : 0.6 Million TPA) at Chennai	Chennai Petroleum Corporation Ltd.	●	●	●	●	●	●	●	
1985	Expansion of Refinery from 3.5 to 4.5 Million TPA & Secondary Processing Facilities (FCC : 1 Million TPA) at Kochi	Kochi Refineries Ltd.	●	●	●	●	●	●	●	
1985	Revamp of Refinery to increase capacity from 1 to 1.35 Million TPA at Bongaigaon	Bongaigaon Refinery & Petrochemicals Ltd.	●	●	●	●	●	●	●	
1984	29,000 TPA Propylene Recovery Plant at Kochi	Hindustan Organic Chemicals Ltd.	●	●	●	●	●	●	●	
1983	1,00,000 TPA Propane Deasphalting Plant at Haldia	Indian Oil Corporation Ltd.	●	●	●	●	●	●	●	
1982	6 Million TPA Refinery at Mathura	Indian Oil Corporation Ltd.		●	●	●	●	●	●	
1981	Secondary Processing Facilities including 1 Million TPA FCC Unit at Vadodara	Indian Oil Corporation Ltd.		●	●	●	●	●	●	
1981	Expansion of Refinery from 4.3 to 7.3 Million TPA at Vadodara	Indian Oil Corporation Ltd.		●	●	●	●	●	●	
1981	1 Million TPA Refinery at Bongaigaon	Bongaigaon Refinery & Petrochemicals Ltd.		●	●	●	●	●	●	
1981	250 TPD Coke Calcination Unit at Bongaigaon	Bongaigaon Refinery & Petrochemicals Ltd.		●	●	●	●	●	●	
1976	2.5 Million TPA Refinery at Haldia	Indian Oil Corporation Ltd.			●	●	●	●	●	
1975	250 TPD Coke Calcination Unit at Haldia	Petro Carbon & Chemicals Company		●	●	●	●	●		
1973	Expansion of Refinery from 2.5 to 3.5 Million TPA at Kochi	Kochi Refineries Ltd.		●	●	●	●	●	●	

Year of Completion	Project	Client	Services Provided							
			Study	Process Design	Engineering	Procurement	Construction Supervision	Commissioning Assistance	Project Management	Others
2013	12" Dia., 100 km Hazira - Dahej Naphtha Pipeline Project	Oil & Natural Gas Corporation Ltd.	●	●			●	●	●	❖
2013	10"/ 6" Dia., 30 km C2, C3 & C4 Feed Pipelines to Dahej Petrochemical Complex	ONGC Petro additions Limited (OPaL)	●	●			●	●	●	❖
2013	48"/ 42" Dia., 50 km Crude Oil Pipelines for Strategic Storage at Mangalore & Padur	Indian Strategic Petroleum Reserves Ltd. (ISPRL)	●	●			●	●	●	
2012	36"/ 30"/ 24"/ 18" Dia., 1000 km & spurlines 600 km Dabhol - Bangalore Pipeline Project	GAIL(India) Ltd.	●	●	●	●	●	●	●	
2012	18"/16"/12" Dia., 278 km Vijaipur-Kota Pipeline Augmentation Project	GAIL(India) Ltd.	●	●	●	●	●	●	●	
2012	10" Dia., 30 km Mahul-Uran LPG Pipeline Project	Bharat Petroleum Corporation Ltd.	●	●	●	●	●	●	●	
2012	4"/38" Dia., 140 km South Jetty product/ crude/utility Pipeline Project, Paradip	Indian Oil Corporation Ltd.	●	●			●	●	●	❖
2012	4"/18" Dia., 150 km Brahmaputra Pipeline Project	Brahmaputra Cracker & Polymer Ltd., Assam	●	●	●	●	●	●	●	
2012	Gas Connectivity of Dadri - Bawana Pipeline to Sonapat, Meerut, Agra, Ferozabad for GAIL, NDPL and IOCL Dadri.	GAIL (India) Ltd.	●	●	●	●	●	●	●	
2012	Additional Compressor Stations at Chainsa (Haryana) and Kailaras (Madhya Pradesh) on Vijaipur - Dadri Pipeline	GAIL (India) Ltd.	●	●	●	●	●	●	●	
2011	30"/28" Dia., 1014 km Mundra- Bathinda Crude Oil Pipeline Project	HPCL -Mittal Pipelines Ltd. (HMPL)	●	●	●	●	●	●	●	
2010	18" Dia., 257 km Bina - Kota Multi-Product Pipeline Project	Bharat Petroleum Corporation Ltd.		●	●	●	●	●	●	
2010	48"/36"/20" Dia., 591 km Vijaipur - Dadri - Bawana Gas Pipeline Project and Compressor Station works	GAIL (India) Ltd.		●	●	●	●	●	●	
2010	24" Dia., 935 km Vadinar - Bina Crude Oil Pipeline Project	Bharat Oman Refineries Ltd.	●	●	●	●	●	●	●	
2008	30" Dia., 307 km Dhabol- Panvel Gas Pipeline Project	GAIL (India) Ltd.		●			●	●	●	❖
2008	16"/8" Dia., 775 km Mumbai - Manmad-Mangalya Pipeline Extension to Piyala - Bijwasan	Bharat Petroleum Corporation Ltd.		●	●	●	●	●	●	
2008	16"/18" Dia., 1050 km Mundra - Delhi Multi-Product Pipeline Project	Hindustan Petroleum Corporation Ltd.	●	●	●	●	●	●	●	
2006	14"/12" Dia., 343 km Loni - Sholapur Product Pipeline Project	Hindustan Petroleum Corporation Ltd.	●	●	●	●	●	●	●	
2006	16" Dia., 401 km Numaligarh - Siliguri Product Pipeline Project	Oil India Ltd.	●	●	●	●	●	●	●	
2004	16"/12"/6" Dia., 140 km South Gujarat Pipeline Project	GAIL (India) Ltd.	●	●	●	●	●	●	●	
2004	8" Dia., 48 km Blue Sky Project in the City of Lucknow & Kanpur	GAIL (India) Ltd.	●	●	●	●	●	●	●	
2004	28" Dia., 18 km Export Pipeline Project	Hazira LNG Pvt. Ltd./Hazira Port Pvt. Ltd. (A Company of Shell Group)	●	●	●	●	●	●	●	
2004	42" Dia., 610 km Dahej - Vijaipur Pipeline Project	GAIL (India) Ltd.	●	●	●	●	●	●	●	
2003	14" Dia., 358 km Mumbai - Manmad Multi-Product Pipeline Extension Project	Bharat Petroleum Corporation Ltd.	●	●	●	●	●	●	●	
2003	12"/10" Dia., 600 km Vizag-Secunderabad LPG Pipeline Project	GAIL (India) Ltd.	●	●	●	●	●	●	●	
2003	Jamnagar-Loni Pipeline (Phase-II) Project	GAIL (India) Ltd.	●	●	●	●	●	●	●	
2003	20"/24" Dia., 380 km Managlore-Bangalore Multi-Product Pipeline	Petronet MHB Ltd.	●	●	●	●	●	●	●	
2002	26"/24" Dia., 100 km each of Additional Gas Pipelines between ONGC-Hazira and IPCL Dahej	Indian Petrochemicals Corpn. Ltd.		●	●	●	●	●	●	
2002	16"/14" Dia., 220 km Vijaywada-Secunderabad Pipeline	Hindustan Petroleum Corporation Ltd.	●	●	●	●	●	●	●	
2002	12"/8" Dia., 200 km K G Basin Pipeline (Phase-II)	GAIL (India) Ltd.	●	●	●	●	●	●	●	
2002	18"/14" Dia., 289 km Cochin-Coimbatore-Karur Multi-Product Pipeline Project	Petronet CCK Ltd.	●	●			●	●	●	❖

❖ PMC Services

Major Projects

Pipelines

Year of Completion	Project	Client	Services Provided							
			Study	Process Design	Engineering	Procurement	Construction Supervision	Commissioning Assistance	Project Management	Others
2001	18" Dia., 203 km Gas Pipeline for LANCO Power Project	GAIL (India) Ltd.	●	●	●	●	●	●	●	
2001	12" Dia., 38 km Jhannore to Gandhar Pipeline	GAIL (India) Ltd.		●	●	●	●	●	●	
2001	8"/3"/2"/1.5"/1" Dia., 42 km City Gas Distribution Network to Industries in Agra & Ferozabad	GAIL (India) Ltd.	●	●	●	●	●	●	●	
2000	30" Dia., 300 km Kirat Mainline & laterals	Met Gas		●	●					
2000	16" Dia., 1269 Km Jamnagar-Loni LPG Pipeline	GAIL (India) Ltd.	●	●	●	●	●	●	●	
1998	18" Dia., 260 Km Mumbai-Manmad Multi-Product Pipeline	Bharat Petroleum Corporation Ltd.	●	●	●	●	●	●	●	
1998	12" Dia., 20 Km Black Oil Pipeline from Mahul to Vashi	Hindustan Petroleum Corporation Ltd.	●	●	●	●	●	●	●	
1997	36" Dia., 505 Km Gas Rehabilitation and Expansion Project (HBJ Upgradation)	GAIL (India) Ltd.	●	●	●	●	●	●	●	
1997	14" Dia., 8 Km LPG Pipeline at Vizag	Hindustan Petroleum Corporation Ltd.	●	●	●	●	●	●	●	
1997	6"/4" Dia., 110 Km Dahej-Gandhar-Vadodara Product Pipeline	Indian Petrochemicals Corpn. Ltd.	●	●			●			†
1996	36"/20"/18" Dia. 10 Km each Crude Oil/Black Oil/White Oil Pipelines in Mangalore	Mangalore Refinery & Petrochemicals Ltd.		●	●	●	●	●	●	
1996	26"/20" Dia. 20 Km each Thal-Usar-Thal Gas Pipeline	GAIL (India) Ltd.	●	●	●	●	●	●	●	
1996	22"/14"/10" Dia., 1113/218/112 Km Kandla-Bhatinda Multi-Products Pipeline	Indian Oil Corporation Ltd.			●		●			
1996	Tap off points alongwith Kandla Bathinda Pipeline	Indian Oil Corporation Ltd.		●	●	●	●	●	●	
1995	Oman India Gas Pipeline-Phase I & II (Onshore India Portion)	Oman Oil Co.	●							
1995	Cauvery and KG Basin Gas Pipelines Project (7 Pipelines)	GAIL (India) Ltd.		●	●	●	●	●	●	
1993	6" Dia., 75 Km Ethylene Pipeline	Polyolefins Industries Ltd.		●	●	●	●	●	●	
1992	18"/12" Dia, 90 Km Tatipaka-Kakinada Pipeline	GAIL (India) Ltd.	●	●	●	●	●	●	●	
1992	12" Dia., 19 Km Lube Oil Pipeline from Pirpau to Nadibunder	Hindustan Petroleum Corporation Ltd.		●	●	●	●	●	●	
1991	16" Dia., 55 Km Water Pipeline in Rajasthan	Hindustan Zinc Ltd.		●					●	†
1991	4"-22" Dia., 190 Km C2/C3 Lean Gas & Effluent Pipelines for Maharashtra Gas Cracker Complex	Indian Petrochemicals Corporation Ltd.	●	●	●	●	●	●	●	
1989	14" Dia., 20 Km Natural Gas Pipeline in Gujarat	Essar Steels Ltd.		●	●	●	●	●	●	
1989	18"-36" Dia, 1800 Km HBJ Gas Pipeline	GAIL (India) Ltd.	●	●			●	●	●	†
1986	36" Dia., 16 Km Gas Pipeline from South Bassein to Hazira (Onshore Portion)	Oil & Natural Gas Corporation Ltd.					●		●	†
1984	36" Dia., 12 Km Crude Oil Pipeline at Vizag Outer Harbour	Hindustan Petroleum Corporation Ltd.	●	●			●	●	●	
1983	4" Dia., 50 Km Nawagam-Anand Dairy Gas Pipeline in Gujarat	Kaira Distt. Co-op. Milk Corporation Ltd.		●	●	●	●	●	●	
1983	2.5" Dia., 10 Km Rock Phosphate Slurry Pipeline in Rajasthan	Hindustan Zinc Ltd.			●	●	●	●		
1983	16"/18" Dia., 61 Km Iron Ore Slurry Pipeline at Kudremukh	Kudremukh Iron Ore Company			●		●	●		
1979	24" Dia., 36 Km Water Pipeline at Mathura	Indian Oil Corporation Ltd.		●	●	●	●	●	●	
1977	16" Dia., 212 Km Crude Oil Pipeline in Assam	Oil India Ltd.	●	●	●	●	●	●	●	

† Front End Engg. Design (FEED) & PMC

Year of Completion	Project	Client	Services Provided							
			Study	Process Design	Engineering	Procurement	Construction Supervision	Commissioning Assistance	Project Management	Others
2016	Western Onshore Redevelopment Project at Ahmedabad, Ankleshwar & Mehsana	Oil & Natural Gas Corporation Ltd.		●						❖
2013	Onshore Gas Terminal Project at Mallavaram, Andhra Pradesh	Gujarat State Petroleum Corporation Ltd.		●	●	●	●	●	●	
2012	LNG Terminal & Associated Facilities at Dabhol	Ratnagiri Gas & Power Pvt. Ltd.								❖
2012	Additional Gas Processing Facilities at Hazira	Oil & Natural Gas Corporation Ltd.		●						❖
2009	Expansion of LNG Terminal at Dahej	Petronet LNG								❖
2009	Revamp of GGS 1 & 2 at Rudrasagar	Oil & Natural Gas Corporation Ltd.		●						@
2008	HP Compressors Plant at Geleki	Oil & Natural Gas Corporation Ltd.		●						@
2004	Zero Flaring at Gandhar	Oil & Natural Gas Corporation Ltd.	●	●	●		●	●	●	
2003	Improved Oil Recovery Scheme at Gandhar	Oil & Natural Gas Corporation Ltd.	●	●	●	●	●	●	●	
2003	KG Basin, Phase -III Upgrade	GAIL (India) Ltd.	●	●	●	●	●	●	●	
2003	NGL Value Addition Vaghodia	GAIL (India) Ltd.	●	●	●	●	●	●	●	
2003	Gas Processing Complex at Gandhar	GAIL (India) Ltd.	●	●	●	●	●	●	●	
2002	In-Situ Combustion Project at Santhal	Oil & Natural Gas Corporation Ltd.		●	●	●	●	●	●	
2002	Enhanced Oil Recovery and Compression Facilities at Gandhar	Oil & Natural Gas Corporation Ltd.	●	●	●		●	●	●	
2001	5 Million SCMD LPG Recovery Project Facilities at Gandhar	GAIL (India) Ltd.	●	●	●		●	●	●	
2000	LPG Recovery Plant at Auraiya	GAIL (India) Ltd.		●	●	●	●	●	●	
1999	Gas Lift Facilities at Gandhar	Oil & Natural Gas Corporation Ltd.		●	●	●	●	●	●	
1998	5 Million SCMD LPG Recovery Plant at Usar	GAIL (India) Ltd.	●	●	●	●	●	●	●	
1998	2.5 Million SCMD LPG Recovery Plant at Vaghodia	GAIL (India) Ltd.	●	●	●	●	●	●	●	
1997	In-situ Combustion Projects at Balol and Santhal for Enhanced Oil Recovery	Oil & Natural Gas Corporation Ltd.		●	●	●	●	●	●	
1997	Hazira Phase-III A Expansion Project - Gas Sweetening Unit/Gas Dehydration Unit (2 Trains) 6.3 Million SCMD each - Condensate Fractionation Unit	Oil & Natural Gas Corporation Ltd.		●	●	●	●	●	●	
1997	Kerosene Recovery Unit at Hazira Unit (2 Trains) 6.3 Million SCMD each 1.07 Million TPA	Oil & Natural Gas Corporation Ltd.		●	●	●	●	●	●	
1996	Hazira Phase-III Expansion Project Unit (2 Trains) 6.3 Million SCMD each - Sour Gas -5 Million SCMD - Sweet Gas - 16 Million SCMD	Oil & Natural Gas Corporation Ltd.			●	●	●	●	●	
1996	Gandhar Surface Processing Facilities Phase-II Oil - 2.8 Million TPA Gas - 6.5 Million SCMD	Oil & Natural Gas Corporation Ltd.		●	●	●	●	●	●	
1995	Condensate Fractionation Unit -78 Tons/hr at Uran	Oil & Natural Gas Corporation Ltd.		●	●	●	●	●	●	
1995	Modification of Gas Processing Facilities to increase C2/C3 output at Uran from 4,50,000 to 5,70,000 TPA	Oil & Natural Gas Corporation Ltd.		●	●	●	●	●	●	

@ Basic Engg. Package, Review of Engg. done by LSTK Contractors, Supervision of Construction & Project monitoring

❖ PMC services

Major Projects

Onshore Oil & Gas

Year of Completion	Project	Client	Services Provided							
			Study	Process Design	Engineering	Procurement	Construction Supervision	Commissioning Assistance	Project Management	Others
1995	Additional Gas Handling Facilities at Uran (Sour Gas - 4 Million SCMD)	Oil & Natural Gas Corporation Ltd.	●	●	●	●	●	●	●	
1995	Gas Sweetening & LPG Recovery - Cauvery Basin	Chennai Petroleum Corporation Ltd.		●	●	●	●	●	●	
1994	Desalter Plant at Navagaon, Gujarat (3 Trains each 2.23 Million TPA Crude Oil)	Oil & Natural Gas Corporation Ltd.		●	●	●	●	●	●	
1993	Group Gathering Stations at Dimulgaon & Lakwa	Oil & Natural Gas Corporation Ltd.		●	●	●			●	
1992	2.5 Million SCMD Gas Collecting Station at Tatipaka	Oil & Natural Gas Corporation Ltd.	●	●	●	●	●	●	●	
1992	Gandhar Surface Processing Facilities Phase-I Oil-1.02 Million TPA Free Gas - 1.77 Million SCMD	Oil & Natural Gas Corporation Ltd.	●	●	●	●	●	●	●	
1992	7.5 Million SCMD LPG Recovery Plant at Vijaipur (Phase-I)	GAIL (India) Ltd.	●	●	●	●	●	●	●	
1991	Ravva Onshore Facilities 0.22 Million SCMD Associated Gas 0.62 Million SCMD Free Gas	Oil & Natural Gas Corporation Ltd.		●	●	●	●	●	●	
1991	10 Million TPA Gas Sweetening Plant at Hazira (Phase-II)	Oil & Natural Gas Corporation Ltd.	●	●	●	●	●	●		
1990	Ethane-Propane Recovery at Uran Gas Capacity : 8 Million SCMD	Oil & Natural Gas Corporation Ltd.	●	●				●		
1998	North Gujarat Oil Gathering Stations at Kalol & North Santhal	Oil & Natural Gas Corporation Ltd.		●	●	●		●	●	
1987	1,61,800 TPA LPG Recovery Plant at Hazira	Oil & Natural Gas Corporation Ltd.	●	●	●	●	●	●	●	
1985	Expansion of LPG Recovery Plant at Uran (Gas Processing : Additional 4 Million SCMD)	Oil & Natural Gas Corporation Ltd.	●	●	●	●	●	●	●	
1984	Expansion of Crude Stabilization Unit at Uran from 9 Million TPA to 20 Million TPA	Oil & Natural Gas Corporation Ltd.	●	●	●	●	●	●	●	
1981	9 Million TPA Crude Stabilization Unit at Uran	Oil & Natural Gas Corporation Ltd.	●	●	●	●	●	●	●	
1981	LPG Recovery Plant at Uran (Phase-I) (Gas Processing : 4 Million SCMD)	Oil & Natural Gas Corporation Ltd.	●	●	●	●	●	●	●	

Year of Completion	Project	Client	Services Provided							
			Study	Process Design	Engineering	Procurement	Construction Supervision	Commissioning Assistance	Project Management	Others
2014	Petrochemical Complex-II at Vijaipur	GAIL(India) Ltd.			●	●	●	●	●	
2014	Petrochemical Complex-II at Pata	GAIL(India) Ltd.			●	●	●	●	●	
2013	Dual Feed Petrochemical Project at Dahej	ONGC Petro additions Ltd. (OPaL)								❖▲
2012	Butadiene Extraction Unit at Panipat Naphtha Cracker Project	Indian Oil Corporation Ltd.			●	●	●	●	●	
2012	Grassroots, dual feed (Gas/Naphtha) Cracker Complex at Lepetkata	Brahmaputra Cracker & Polymer Ltd., Assam	●	●	●	●	●	●	●	
2010	Panipat Naphtha Cracker Project	Indian Oil Corporation Ltd.								❖
2008	Expansion of Petrochemical Complex at Pata	GAIL (India) Ltd.		●	●	●	●	●	●	
2007	Integrated PX / PTA Project at Panipat	Indian Oil Corporation Ltd.								❖
2004	Debottlenecking of LLDPE Unit of UPPC, Pata	GAIL (India) Ltd.		●	●	●	●	●		
2003	DFR for Naphtha Cracker & Dowstream Polymer Project	Indian Oil Corporation Ltd.	●							
2002	Debottlenecking of Gas Sweetening unit at Dahej	Indian Petrochemicals Corpn. Ltd.	●	●	●	●	●	●		
2001	MGCC Gas Cracker Unit at Nagothane	Stone & Webster			●					▲
2000	DFR for MGCC Expansion - II	Indian Petrochemicals Corpn. Ltd.	●							
1999	Integrated Offsites Project in Haldia Petrochemical Complex	Haldia Petrochemicals Ltd.			●	●	●	●	●	
1999	Haldia Petrochemical Complex	Haldia Petrochemicals Ltd.								⌘
1998	HDPE/LLDPE Expansion at Maharashtra Gas Cracker Complex	Indian Petrochemicals Corporation Ltd.							●	❖
1998	Petrochemicals Complex at Gandhar - Ethylene 4,00,000 TPA - Vinyl Chloride Monomer 1,70,000 TPA - Poly Vinyl Chloride 1,50,000 TPA - Integrated Offsites & Utilities	Indian Petrochemicals Corporation Ltd.		●	●	●	●		●	
1998	Petrochemicals Complex at Auraiya - Ethylene 3,00,000 TPA - C2/C3 Recovery 4,00,000 TPA - Gas Sweetening Unit 11.23 MMSCMD - LLDPE 1,60,000 TPA - HDPE 1,00,000 TPA - Integrated Offsites & Utilities	GAIL (India) Ltd.			●	●	●	●	●	
1995	NOCIL Modernisation Project at Thane	National Organic Chemical Industries Ltd.								\$\$
1995	Expansion of Gas Cracker from 3,00,000 TPA to 4,00,000 TPA (Ethylene) at Nagothane	Indian Petrochemicals Corporation Ltd.			●	●	●	●	●	
1993	300 TPA Spandex Yarn Project at Ankleshwar	Petrofils Cooperative Ltd.			●	●	●	●	●	
1992	PFY Plant at Valia	Petrofils Cooperative Ltd.			●		●	●	●	
1990	6,000 TPA Nylon-6 Plant at Ankleshwar	Petrofils Cooperative Ltd.			●	●	●	●	●	

❖ PMC
▲ FEED Package
⌘ Project Services
\$\$ Assistance in Basic Engineering Design Package

Major Projects

Petrochemicals, Chemicals & Fibres

Year of Completion	Project	Client	Services Provided							
			Study	Process Design	Engineering	Procurement	Construction Supervision	Commissioning Assistance	Project Management	Others
1990	Additional Xylene Production Facility at Vadodara	Indian Petrochemicals Corporation Ltd.		●	●	●	●	●	●	
1989	Maharashtra Gas Cracker Complex at Nagothane Gas Cracker : - Ethylene 3,00,000 TPA - Propylene 30,000 TPA - FCC Propylene 36,000 TPA Recovery	Indian Petrochemicals Corporation Ltd.			●	●	●	●	●	
1991	Downstream Plants : - LDPE 80,000 TPA - LLDPE/HDPE 1,35,000 TPA - Ethylene Oxide 5,000 TPA - Ethylene Glycol 50,000 TPA - Polypropylene 60,000 TPA									❖
1991	Wire and Cable Compound Plant Integrated Offsites & Utilities Captive Power Plant 64 MW									❖
1990	Butene-I 15,000 TPA									❖
1989	Debottlenecking of Naphtha Cracker to increase Ethylene capacity from 1,30,000 to 1,56,000 TPA at Vadodara	Indian Petrochemicals Corpn. Ltd.	●	●	●	●	●		●	
1988	Revamp of Acrylonitrile Plant at Vadodara to increase capacity from 24,000 TPA to 30,000 TPA	Indian Petrochemicals Corpn. Ltd.			●	●	●		●	
1998	Methanoylsis Unit for DMT Plant at Vadodara	Indian Petrochemicals Corpn. Ltd.				●	●	●		●
1988	1,17,000 TPA Benzene Unit at Kochi	Kochi Refineries Ltd.			●	●	●	●	●	●
1988	Expansion of LAB Plant by 13,500 TPA at Vadodara	Indian Petrochemicals Corpn. Ltd.		●	●	●	●	●	●	●
1988	30,000 TPA Polyester Staple Fibre Plant at Bongaigaon	Bongaigaon Refinery & Petrochemicals Ltd.				●	●	●	●	●
1988	Expansion of Acrylic Fibre Plant by 12,000 TPA at Vadodara	Indian Petrochemicals Corpn. Ltd.				●	●	●		●
1987	25,000 TPA Copolymer Polypropylene Plant at Vadodara	Indian Petrochemicals Corporation Ltd.				●	●	●		●
1987	Oxychlorination Plant at Thane (25,000 TPA Dichloroethane)	National Organic Chemicals Industries Ltd.				●	●	●		●
1985	Aromatics Complex at Mumbai Benzene 98,000 TPA Toluene 17,600 TPA	Bharat Petroleum Corporation Ltd.			●	●	●	●	●	●
1984	55,000 TPA VC/PVC Plants at Vadodara	Indian Petrochemicals Corpn. Ltd.				●	●	●	●	●
1984	5,000 TPA Petroleum Resins Plants at Vadodara	Indian Petrochemicals Corpn. Ltd.				●	●	●	●	●
1983	10,000 TPA Acrylates Plants at Vadodara	Indian Petrochemicals Corpn. Ltd.			●	●	●	●	●	●

❖ PMC Services

Year of Completion	Project	Client	Services Provided							
			Study	Process Design	Engineering	Procurement	Construction Supervision	Commissioning Assistance	Project Management	Others
1983	Aromatics Complex at Bongaigaon P-Xylene 29,000 TPA O-Xylene 6,000 TPA DMT 45,000 TPA	Bongaigaon Refinery & Petrochemicals Ltd.				●	●	●	●	●
1982	Foot & Mouth Disease Vaccine Plant at Hyderabad	National Dairy Development Board				●				
1982	Expansion of DMT Plant at Vadodara from 24,000 to 30,000 TPA	National Dairy Development Board		●	●	●	●	●	●	●
1981	Expansion of Chemicals Complex at Rasayani Nitrobenzene 11,000 TPA Aniline 6,000 TPA Hydrogen 600 TPA	Hindustan Organic Chemicals Ltd.		●	●	●	●	●		
1981	8,600 TPA Phthalic Anhydride Plant at Pattancheru	Shri Ambuja Petrochemicals Ltd.		●	●	●	●	●	●	
1979	3,500 TPA Polyester Filament Yarn Plant at Vadodara	Petrofils Cooperative Ltd.			●	●	●		●	
1979	Petrochemicals Complex at Vadodara Olefins Naphtha Cracker : - Ethylene 1,30,000 TPA - Propylene 43,000 TPA (Chemical Grade) - Butadiene 22,000 TPA - Benzene 23,600 TPA Downstream Plants : - Ethylene Glycol 20,000 TPA - Ethylene Oxide 5,000 TPA - Polypropylene 30,000 TPA - Polybutadiene Rubber 20,000 TPA - LAB 30,000 TPA - LDPE 80,000 TPA - Acrylonitrile 24,000 TPA - Acrylic fibre 12,000 TPA - Integrated Offsites & Utilities	Indian Petrochemicals Corpn. Ltd.	●		●	●	●	●	●	
1975	20,000 TPA Caprolactam Plant at Vadodara	Gujarat State Fertilisers Company			●	●	●			
1973	24,000 TPA DMT Plant at Vadodara	Indian Petrochemicals Corpn. Ltd.			●	●	●		●	
1973	Aromatics Complex at Vadodara O-Xylene 21,000 TPA P-Xylene 19,000 TPA	Indian Petrochemicals Corpn. Ltd.			●	●	●	●	●	

Major Projects

Offshore Oil & Gas

Year of Completion	Project	Client	Services Provided								
			Study	Basic Engineering	Bid Package & Bid Evaluation	Detailed Engineering	Design Review	Fabrication & Installation	Supervision	Commissioning Assistance	Others
2012	SPM 2 Offshore Pipeline (48"X75km)	Indian Oil Corporation Ltd.	●	●	●	●	●	●	●	●	●
2012	Deen Dayal Field Development Project	Gujarat State Petroleum Corporation Ltd.	●	●	●	●	●	●	●	●	●
2012	Requalification of Wellhead Platform	Oil & Natural Gas Corporation Ltd.	●	●	●	●	●	●	●	●	●
2012	Win Revamp Project	Oil & Natural Gas Corporation Ltd.	●	●	●	●	●	●	●	●	●
2011	SPM 2 Offshore Pipeline (48"X10km)	HPCL-Mittal Pipelines Ltd. (HMPL)	●	●	●	●	●	●	●	●	●
2010	B-22 Field Development Project	Oil & Natural Gas Corporation Ltd.	●	●	●	●	●	●	●	●	●
2009	SPM 2 Offshore Pipeline (48"X15km)	Bharat Oman Refineries. Ltd.	●	●	●	●	●	●	●	●	●
2009	26 Well Platforms Revamp Project at Mumbai	Oil & Natural Gas Corporation Ltd.	●	●	●	●	●	●	●	●	●
2009	NQ Complex Reconstruction at Mumbai	Oil & Natural Gas Corporation Ltd.	●	●	●	●	●	●	●	●	●
2008	Vasai East Development Project	Oil & Natural Gas Corporation Ltd.	●	●	●	●	●	●	●	●	●
2006	RSPPM Project of ONGC	Iranian Offshore Engineering & Construction Co., Iran	●	●	●	●	●	●	●	●	●
2005	MUT Pipeline Project	Oil & Natural Gas Corporation Ltd.	●	●	●	●	●	●	●	●	●
2005	SH Revamp Project	Oil & Natural Gas Corporation Ltd.	●	●	●	●	●	●	●	●	●
2002	Addl. Compressor at HRC Process Platform	Oil & Natural Gas Corporation Ltd.	●	●	●	●	●	●	●	●	●
2002	BHN Revamp Bombay High North Field, Mumbai	Oil & Natural Gas Corporation Ltd.	●	●	●	●	●	●	●	●	●
2002	Tapti Field Development "STD" Platform & Pipeline Engineering	Enron Oil & Gas	●	●	●	●	●	●	●	●	●
1998	HRC Process Platform with Living Quarters in Heera Field	Oil & Natural Gas Corporation Ltd.	●	●	●	●	●	●	●	●	●
1996	B-55 Neelam Marginal Field with 77 Km Submarine Pipeline	Oil & Natural Gas Corporation Ltd.	●	●	●	●	●	●	●	●	●
1997	Heera Phase III in Bombay High	Oil & Natural Gas Corporation Ltd.	●	●	●	●	●	●	●	●	●
1996	B-121 Structure-Marginal Field Development	Oil & Natural Gas Corporation Ltd.	●	●	●	●	●	●	●	●	●
1996	B-173 A Structure-Marginal Field Development	Oil & Natural Gas Corporation Ltd.	●	●	●	●	●	●	●	●	●
1996	ICP Heera Trunkline	Oil & Natural Gas Corporation Ltd.	●	●	●	●	●	●	●	●	●
1995	Bombay High Modification Project	Oil & Natural Gas Corporation Ltd.	●	●	●	●	●	●	●	●	●
1995	G-16, 2 Structures in Godavari Offshore Fields	Oil & Natural Gas Corporation & Hindustan Shipyard Ltd.	●	●	●	●	●	●	●	●	●
1995	South Bassein Hazira Trunk Line 42" Dia x 245 Km	Oil & Natural Gas Corporation Ltd.	●	●	●	●	●	●	●	●	●
1995	PB, PD & PE Well Platforms Complex in Panna Field with 10 km of Submarine Pipeline	Oil & Natural Gas Corporation & Hindustan Shipyard Ltd.	●	●	●	●	●	●	●	●	●

Year of Completion	Project	Client	Services Provided								
			Study	Basic Engineering	Bid Package & Bid Evaluation	Detailed Engineering	Design Review	Fabrication & Installation	Supervision	Commissioning Assistance	Others
1994	SHW Water Injection/Living Quarters Platform	Oil & Natural Gas Corporation Ltd.	●	●	●		●	●		●	
1994	SHG Process Platform	Oil & Natural Gas Corporation Ltd.	●	●	●		●	●		●	
1994	Neelam Process Platform	Oil & Natural Gas Corporation Ltd.	●	●	●		●	●		●	
1994	NQP Process Platform LA, LB, LC, LD & LE Well Platforms with Infield Submarine Pipelines	Oil & Natural Gas Corporation Ltd.	●								
1993	Study for Enhanced Oil Recovery Project	Occidental, U.S.A.	●	●							
1993	Gas Lift Phase-II in Bombay High South : Incorporation of Gas Lift facilities in 36 Wells, 2 Process Platforms with 170 km Submarine Pipelines	Oil & Natural Gas Corporation Ltd.	●	●	●	●	●	●		●	
1992	Gas Lift Phase-I Bombay High North Incorporation of Gas Lift facilities in 23 Wells & 2 Process Platforms with 140 km Submarine Pipelines	Oil & Natural Gas Corporation Ltd.	●	●	●	●	●	●		●	
1992	HPC Heera Process Complex in Heera Field 2 process, 1 Well & 1 Gas Processing Platforms with 25 km Submarine Pipelines	Oil & Natural Gas Corporation Ltd.	●	●	●		●	●		●	
1992	Tapti Well Platform Complex in Tapti Field	Oil & Natural Gas Corporation Ltd.		●	●						
1991	Ratna Well & Process Platform in Ratna Field with Submarine Pipelines	Oil & Natural Gas Corporation Ltd.	●	●							
1991	PPA Process Platform Complex in Panna Field 30,000 BOPD and Associated Gas with 25 km of Submarine Pipelines	Oil & Natural Gas Corporation Ltd.	●	●	●						
1991	Heera-Uran Trunk Lines (HUT) from Heera Field to Uran LPG Plant	Oil & Natural Gas Corporation Ltd.		●	●	●		●		●	
1991	N4, N5, N6, N7 Well Platforms in Bombay High with 52.5 km Submarine Pipelines (each of 8,000 to 10,000 BOPD & Associated Gas)	Oil & Natural Gas Corporation Ltd. & Mazagon Docks Ltd.		●	●	●		●		●	
1991	HQ, HR, HS, HT & HF Well Platforms in Heera Field each of 8,000 BOPD & Associated Gas with 85 km Submarine Pipelines	Oil & Natural Gas Corporation Ltd. & Mazagon Docks Ltd.		●	●		●	●		●	
1990	Western Offshore Integrated Development Plan (WOIDP) Northern & Southern Sector in Bombay High with 750 km Submarine Pipeline, Riser Platform & Platform Modification	Oil & Natural Gas Corporation Ltd.		●	●		●	●		●	

Major Projects

Offshore Oil & Gas

Year of Completion	Project	Client	Services Provided								
			Study	Basic Engineering	Bid Package & Bid Evaluation	Detailed Engineering	Design Review	Fabrication & Installation	Supervision	Commissioning Assistance	Others
1990	WI-6, 7 & 9 Water Injection cum Oil Production Well Platforms in Bombay High	Oil & Natural Gas Corporation Ltd.	●	●		●		●		●	
1989	Gas Lift Phase-III ICG Process Platform in Bombay High	Oil & Natural Gas Corporation Ltd.		●	●		●	●		●	
1989	BPB Process Complex in South Bassein-I Well & 1 Process Platform with 21 km of Submarine Pipelines	Oil & Natural Gas Corporation Ltd.		●	●		●	●		●	
1989	IE & IL Well Platforms in Bombay High with 28 km Submarine Pipelines	Oil & Natural Gas Corporation Ltd. & Hindustan Shipyard Ltd.	●	●	●	●		●		●	
1989	IF, IG & IH Well Platforms in Bombay High each of 20,000 BOPD & Associated Gas with 21.5 km Submarine Pipelines	Oil & Natural Gas Corporation Ltd.		●	●		●	●		●	
1988	IA, IB, ICD, ID, Infil Well Platforms in Bombay High-4 Well & ICP Process Platform & ICW Water Injection Process Platform with Submarine Pipelines	Oil & Natural Gas Corporation Ltd.			●		●	●		●	
1988	WI-8, 10, 11 & 12 Water Injection Well Platforms in Bombay High	Oil & Natural Gas Corporation Ltd.	●	●		●		●		●	
1988	BPA Process Complex in South Bassein Field - 1 Well, 1 Process Platform	Oil & Natural Gas Corporation Ltd.		●	●		●	●		●	
1987	HD & HE Well Platforms in Heera Field with 11 km Submarine Pipeline	Oil & Natural Gas Corporation Ltd.		●	●		●	●		●	
1987	22 Well Platforms in Bombay High each for production of 20,000 BOPD	Oil & Natural Gas Corporation Ltd.					●	●		●	
1987	II, IJ, & IK Infill Well Platforms in Bombay High with 19 km Submarine Pipeline each of 15,000 BOPD & Associated Gas	Oil & Natural Gas Corporation Ltd.		●	●		●	●		●	
1987	BB & BD Well Platforms in South Bassein each of 7.0 MMSCMD Gas & Associated Condensate	Oil & Natural Gas Corporation Ltd.		●	●		●	●		●	
1987	Subsea Production System SSS-I with Subsea Well Heads, Xmas trees & manifolds in Bombay High South for 20,000 BOPD	Oil & Natural Gas Corporation Ltd.	●		●		●	●		●	
1986	PA Well Platform Complex (EPS Phase-I) in Panna Field with SBM/PLEM & 1.5 km Submarine Pipelines, 20,000 BOPD & Associated Gas	Oil & Natural Gas Corporation Ltd.		●	●		●	●		●	
1986	SC Platform Complex in Bombay High-1 Well and Process Platform with 3 km of Submarine Pipelines	Oil & Natural Gas Corporation Ltd.				●		●		●	

Year of Completion	Project	Client	Services Provided								
			Study	Basic Engineering	Bid Package & Bid Evaluation	Detailed Engineering	Design Review	Fabrication & Installation Supervision	Commissioning Assistance	Others	
1986	WIS Water Injection Process Platform of 480,000 BOPD in Bombay High with Submarine Pipeline	Oil & Natural Gas Corporation Ltd.	●	●		●		●	●		
1985	SH Platform Complex in Bombay High-1 Well-cum-Production & 1 Process Platform with 100 km of Submarine Pipeline	Oil & Natural Gas Corporation Ltd.	●	●	●		●	●	●		
1985	Heera Platform Complex in Heera Field-4 Well & 1 Process Platform with Submarine Pipelines	Oil & Natural Gas Corporation Ltd.			●		●	●	●		
1985	NQ Platform Complex in Bombay High-1 Well, 1 Process Platform with 56 Km Submarine Pipelines	Oil & Natural Gas Corporation Ltd.		●	●	●		●	●		
1984	WIN Process Platform in Bombay High alongwith 30 km Submarine Pipelines	Oil & Natural Gas Corporation Ltd.		●	●		●	●	●		
1983	W1-2 to W1-5 Water Injection Well Platforms in Bombay High	Oil & Natural Gas Corporation Ltd.		●	●		●	●	●		
1983	SK, NV & NX Well Platform in Bombay High 20,000 BOPD & Associated Gas each alongwith 20 km of Submarine Pipelines	Oil & Natural Gas Corporation Ltd.	●	●		●		●	●		
1982	R-12 Platform in Ratna Field 40,000 BOPD	Oil & Natural Gas Corporation Ltd.	●	●	●		●	●			
1982	BHS Platform Complex in Bombay High South alongwith 85 km of Submarine Pipelines for processing 1,80,000 BOPD & Associated Gas	Oil & Natural Gas Corporation Ltd.		●	●		●	●	●		
1982	SQ, ST & SS Well Platforms in Bombay High 20,000 BOPD & Associated Gas each alongwith 15 km of Submarine Pipelines	Oil & Natural Gas Corporation Ltd.		●	●	●		●	●		
1982	SM, SP, SR & SF Well Platforms in Bombay High, 20,000 BOPD & Associated Gas each	Oil & Natural Gas Corporation Ltd.			●	●		●	●		
1981	MM, SD & NP Well Platforms in Bombay High, 20,000 BOPD & Associated Gas each	Oil & Natural Gas Corporation Ltd.	●	●					●		
1981	BHN Process Platforms in Bombay High North field of capacity 1,80,000 BOPD & Associated Gas	Oil & Natural Gas Corporation Ltd.	●	●					●		
1980	SA/SB Platform in Bombay High South Area-1 Well Platform, 1 Well-cum-Production Platform & Interconnecting Submarine Pipelines	Oil & Natural Gas Corporation Ltd.		●	●		●	●	●		
1977	Bombay High (Phase-I & II) 1 Well-cum-Production, 3 Remote Well Platforms & Submarine Pipeline Network	Oil & Natural Gas Corporation Ltd.					●	●	●		

Major Projects

Ports & Terminals/Storages

Year of Completion	Project	Client	Services Provided							
			Study	Process Design	Engineering	Procurement	Construction Supervision	Commissioning Assistance	Project Management	Others
2014	Strategic Storage of Crude Oil at Padur	Indian Strategic Petroleum Reserves Ltd.							●	
2013	Strategic Storage of Crude Oil at Mangalore	Indian Strategic Petroleum Reserves Ltd.							●	
2012	DFR Ph-II for Strategic Storage Of Crude Oil at Rajkot, Padur, Bikaner, Chandikhol	Indian Strategic Petroleum Reserves Ltd.	●							
2012	Strategic Storage of Crude Oil at Vizag	Indian Strategic Petroleum Reserves Ltd.							●	
2011	Pre-Project Activities for Strategic Storage of Crude Oil at Vizag, Mangalore and Padur	Indian Strategic Petroleum Reserves Ltd.							●	
2011	SPM, Terminal and associated offshore/onshore Pipeline	HPCL-Mittal Pipelines Ltd. (HMPL)		●	●		●	●	●	
2011	Development of Port Facilities including break-waters, import/export Terminal	RGPP/L/GAIL (INDIA) Ltd.								❖
2010	Prefeasibility Reports Strategic Storage of Crude Oil (Phase II)	Oil Industry Development Board (OIDB)	●							
2009	SPM, Terminal & associated Offshore Pipeline	Bharat Oman Refineries Ltd. (BORL)		●	●		●	●	●	
2006	Detailed Feasibility Report for Strategic Storage of Crude Oil at Padur	Oil Industry Development Board (OIDB)	●							
2005	Extension of Container Berth at JN Port	Jawaharlal Nehru Port Trust			●					
2004	Strategic Storage of Crude Oil	Ministry of Petroleum & Natural Gas	●							
2003	Fixed Jetty at Nagapattinam	Chennai Petroleum Corporation Ltd.		●	●		●	●	●	
2002	LPG Terminal at Navalakhi	Dharamsi Morarji Chemical Company Ltd.		●						
2001	Jetty / Docklines & Terminal at JNPT	Bharat Petroleum Corporation Ltd.		●	●	●	●	●		
2001	Oil Jetty at Paradip Port	Paradip Port Trust			●					
2000	Product Import Facilities off Hazira	Oil & Natural Gas Corporation Ltd.	●	●	●	●	●	●	●	
2000	Chemicals Port Terminal at Dahej	Gujarat Chemical Port Terminal Company Ltd.			●	●	●	●	●	
1999	Marketing Terminal for Numaligarh Refinery	Numaligarh Refineries Ltd.			●	●	●	●	●	
1999	FEED for LNG Terminal at Kochi	Petronet LNG Ltd.	●	●	●					
1999	Strategic Storage of Crude Oil	Ministry of Petroleum & Natural Gas	●							
1998	Ennore Master Plan	Asian Development Bank	●							
1997	Virtual Jetty at Kandla Port	Hindustan Petroleum Corporation Ltd.	●	●	●		●	●	●	
1996	Hydrocarbon Jetty at Jageshwar	Indian Petrochemical Corporation Ltd.	●	●	●		●	●	●	
1996	Panipat Marketing Terminal	Indian Oil Corporation Ltd.			●	●	●	●	●	
1996	Second Oil Terminal in the Gulf of Kutch, Gujarat	Indian Oil Corporation Ltd.			●	●	●	●	●	
1996	LPG Import Terminal at Mangalore	Hindustan Petroleum Corporation Ltd.			●	●	●	●	●	
1991	Development of Container Terminal at Kochi Port	Kochi Port Trust	●		●			●		
1990	Project Seabird	Indian Navy	●							
1990	Second Oil Jetty at Haldia for receiving 1,50,000 DWT Tankers	Calcutta Port Trust	●		●			●		
1986	Master Plan for Kochi Port	Kochi Port Trust	●							
1986	Development of Fabrication Yard for Offshore Structures at Vizag	Hindustan Shipyard Ltd.	●		●	●	●	●	●	
1986	Integrated Development Project at Kochi Port-Construction of an Oil Terminal & Fertilizer Berth	Kochi Port Trust	●		●			●		
1984	Third Cargo Berth at Paradip	Paradip Port Trust	●	●						
1984	Construction of Sixth Cargo Berth at Kandla Port	Kandla Port Trust	●		●					
1984	Construction of New Jetty at Kandla Port	Kandla Port Trust			●					
1982	Forth General Cargo Berth at Mangalore	New Mangalore Port Trust			●					
1978	Offshore Oil Terminal & Submarine Pipelines in Gulf of Kutch, Gujarat	Oil & Natural Gas Corporation Ltd.				●				

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Year of Completion	Project	Client	Services Provided							
			Study	Process Design	Engineering	Procurement	Construction Supervision	Commissioning Assistance	Project Management	Others
2013	Rectifier Replacement for lines 2 & 3 of Hirakud Aluminium Smelter	Hindalco Industries Ltd.			●	●			●	
2013	4th Stream Upgradation for Alumina Refinery	National Aluminium Co. Ltd.	●		●	●	●	●	●	
2013	Additional Cast House Facilities for Mahan Aluminium Project	Hindalco Industries Ltd.			●	●			●	
2013	Aditya Aluminium Project	Hindalco Industries Ltd.			●	●			●	
2012	Cast House for Line-2 for Angul Aluminium Smelter	National Aluminium Co. Ltd.			●	●	●	●	●	
2012	Mahan Aluminium Project	Hindalco Industries Ltd.			●	●			●	
2012	2nd Phase Expansion of Bauxite Mines, Alumina Refinery and Aluminium Smelter	National Aluminium Co. Ltd.	●		●	●	●	●	●	
2011	Alumina Handling and Bath mixing for Angul Aluminium Smelter	National Aluminium Co. Ltd.	●		●	●		●	●	
2011	Installation of Reclaimer and associated conveyors for Alumina Plant	National Aluminium Co. Ltd.	●		●	●	●	●	●	
2011	Rectifier Replacement for Aluminium Smelter	Aluminium Bahrain			●	●			●	
2008	Expansion of Alumina Refinery at Muri	Hindalco Industries Ltd.			●	●	●	●	●	
2006	1.4 Million TPA Alumina Refinery at Lanjigarh	Sterlite Industries (India) Ltd			●					★★
2003	Expansion of Hirakud Aluminium Smelter	Indian Aluminium Co. Ltd.			●	●	●	●	●	
2003	Expansion of Aluminium Smelter at Angul	National Aluminium Co. Ltd.			●	●	●	●	●	
2002	Rampura Agucha Mines and Beneficiation Plant Expansion Phase-II	Hindustan Zinc Ltd.	●	●	●	●	●	●	●	
2002	Expansion of Mines & Alumina Plant at Damanjodi	National Aluminium Co. Ltd.			●	●	●	●	●	
2000	Utkal Alumina Project	Utkal Alumina Intl. Ltd.	●							
1998	Zeolite & Special Grade Alumina Plant at Damanjodi	National Aluminium Co. Ltd.		●	●	●	●	●	●	
1998	Expansion of Lead-Zinc Beneficiation Plant at Rampura-Agucha	Hindustan Zinc Ltd.		●	●	●			●	
1998	50,000 TPA Secondary Copper Cathode Project at Bharuch, Gujarat	SWIL Ltd.			●	●	●		●	
1993	3,00,000 TPA SMS Grade Limestone Project at Sanu, Rajasthan	Rajasthan State Mines & Minerals Ltd.	●	●	●	●	●	●	●	
1991	Mining & Beneficiation Project at Jamarkotra, Rajasthan	Rajasthan State Mines & Minerals Ltd.	●	●	●	●	●	●	●	
1991	Lead-Zinc Mining & Beneficiation Project at Rampura-Agucha, Rajasthan	Hindustan Zinc Ltd.	●		●	●	●	●	●	
1990	Copper Refinery Modernisation at Ghatsila (Expansion by 8,000 TPA)	Hindustan Copper Ltd.			●	●	●	●	●	
1988	600 TPA Mica Paper & 300 TPA Insulating Products Project at Hazaribagh, Bihar	Mica Trading Corporation Ltd.			●	●	●	●	●	
1987	Alumina & Aluminium Project in Orissa	National Aluminium Company Ltd.			●	●	●	●	●	

★★ Final Inspection of Critical Items

Major Projects

Mining & Metallurgy

Year of Completion	Project	Client	Services Provided							
			Study	Process Design	Engineering	Procurement	Construction Supervision	Commissioning Assistance	Project Management	Others
1986	Lignite Mine Expansion in Gujarat	Gujarat Minerals Development Corporation Ltd.			•	•	•	•	•	
1983	Modernisation of Purification System in Zinc Electrolysis Plant at Vishakhapatnam	Hindustan Zinc Ltd.	•		•	•	•	•	•	
1983	Lead Smelter Expansion by 12,000 TPA at Vishakhapatnam	Hindustan Zinc Ltd.		•	•	•	•	•	•	
1982	Copper Concentrator at Malanjkhand	Hindustan Copper Ltd.			•	•	•	•	•	
1982	200 TPD Semi Industrial Rock Phosphate Beneficiation Plant at Jhamarkotra	Rajasthan State Mines & Minerals Ltd.		•	•	•	•	•	•	
1980	60 TPA Silver Refinery at Vishakhapatnam	Hindustan Zinc Ltd.			•	•	•	•	•	
1980	120 TPD Zinc Roaster Revamp at Debari, Rajasthan	Hindustan Zinc Ltd.			•	•	•	•	•	
1979	10,000 TPA Lead Smelter at Vishakhapatnam	Hindustan Zinc Ltd.			•	•	•	•	•	
1979	30,000 TPA Zinc Smelter at Vishakhapatnam	Hindustan Zinc Ltd.			•	•	•	•	•	
1975	100 TPD Lead Concentrator at Agrigundala	Hindustan Copper Ltd.						•	•	
1973	100 TPD Copper Concentrator at Dariba	Hindustan Copper Ltd.						•	•	

Year of Completion	Project	Client	Services Provided							
			Study	Process Design	Engineering	Procurement	Construction Supervision	Commissioning Assistance	Project Management	Others
2014	2200 MTPD Ammonia, 3850 MTPD Urea Unit (2 streams) along with associated Offsites & Utilities at Panki, Uttar Pradesh	Jaiprakash Associates Limited			●	●	●	●	●	
2012	Revamp of Ammonia and Urea Units for energy saving and capacity enhancement at Jagdishpur, Uttar Pradesh	Indo Gulf Fertilizers			●		●	●	●	
2012	Revival of FCIL- Ramagundam Fertilizer Plant	FCIL, NFL and EIL	●		●	●	●	●	●	
2007	Ammonia, Urea Complex at Papua New Guinea	Crest Strategies Limited (CSL), British Virgin Islands (BVI)								#
1999	1350 MTPD Ammonia & 1800 MTPD Urea Units in Malaysia	Petronas, Malaysia								❖
1995	1000 MTPD Ammonia and 1500 MTPD Urea units at Khorassan Fertilizer Complex in Iran	Khorassan Petrochemical Company (KHPC), Iran								❖
1982	270 TPD Ammonia plant at Taloja, Maharashtra	Deepak Fertilizer & Petrochemicals Ltd.								@
1981	900 TPD Ammonia & 1550 TPD Urea Plants at Phulpur	Indian Farmers Fertilizer Cooperative Ltd.			●	●				
1979	540 TPD Ammonia & 940 TPD Urea Plants in Sri Lanka	Kellogg Overseas Corporation, USA			●	●	●			
1979	900 TPD Ammonia & 1550 TPD Urea Plants at Bhatinda	National Fertilizers Ltd.			●	●	●	●		
1978	900 TPD Ammonia & 1550 TPD Urea Plants at Panipat	National Fertilizers Ltd.			●	●	●	●		
1975	1600 TPD Urea & 500 TPD DAP/INPK Fertilizer Complex at Tuticorin	Southern Petrochemicals Industries Corporation			●					
1974	910 TPD Ammonia Plant at Kalol	Indian Farmers Fertilizer Coop. Ltd.			●	●	●			

- ❖ PMC
 # Engineering Consultancy Services for preparation of Front End Loading (FEL) documents
 @ Checking of process design package for Ammonia plant & design, engineering, procurement, construction supervision and commissioning of offsite facilities

Major Projects

Power

Year of Completion	Project	Client	Feasibility Report	Services Provided							Others
				System Configuration Study	Basic Design	Engineering for Procurement	Detailed Engg/ Review of	Detailed Engg	Construction Supervision	Project Management Consultancy	
2013	59 MW Cogeneration Steam and Power Plant, Pipeline Project at Pata	GAIL (India) Ltd.		●	●	●	●	●	●	●	
2013	1X15 MW Cogeneration Steam and Power Plant, Petrochemical Complex at Vijaipur	GAIL (India) Ltd.		●	●	●	●	●	●	●	
2013	196 MW Combined Cycle Cogeneration Steam and Power Plant, Petrochemical Project at Dahej	ONGC Petro additions Ltd. (OPaL)		●	●	●	●	●	●	●	
2012	Balance of Turbine Island and Balance of Plant Systems for 125 MW Solar Thermal Power Plant at Pokhran	Areva Renewables			●	●	●				
2012	Balance of Plant Systems for 2000 MW Nuclear Power Plant at Kundakulam	Nuclear Power Corporation of India Ltd.			●	●					
2012	111 MW Combined Cycle Cogeneration Steam and Power Plant, Refinery Expansion Project at Mangalore	Mangalore Refinery & Petrochemicals Ltd.		●	●	●	●	●	●	●	
2012	47 MW Combined Cycle Cogeneration Steam and Power Plant, Refinery Project at Algiers, Algeria	Sonatrach S.P.A., Algeria		●	●	●	●				
2012	55 MW Combined Cycle Cogeneration Steam and Power Plant, Petrochemical Project at Lapetkata, Assam	Brahmaputra Cracker & Polymers Ltd.		●	●	●	●	●	●	●	
2012	430 MW Combined Cycle Cogeneration Steam and Power Plant, Refinery Project at Paradip	Indian Oil Corporation Ltd.		●	●	●	●	●	●	●	
2011	72 MW Cogeneration Steam and Power Plant, Fertiliser Plant at Surat	KRIBHCO			●	●					
2011	1X12 MW Cogeneration Steam and Power Plant, Refinery Project at Skikda, Algeria	Sonatrach S.P.A., Algeria			●	●					
2011	1X20 MW Cogeneration Steam and Power Plant, Refinery Project at Dhaligaon	Bongaigaon Refinery & Petrochemicals Ltd.		●	●	●	●	●	●	●	
2011	170 MW Combined Cycle Cogeneration Steam and Power Plant at Bhatinda	HPCL-Mittal Energy Ltd.		●	●	●	●	●	●	●	
2010	142 MW Augmentation of Power Plant, Fertilizer Plant at Surat	KRIBHCO	●								
2010	3X33 MW Cogeneration Steam and Power Plant, Refinery Project at Bina	Bharat Oman Refineries Ltd.	●	●	●	●	●	●	●	●	
2010	1X34 MW Cogeneration Steam and Power Plant, Refinery Project at Kochi	Bharat Petroleum Corporation Ltd.		●	●	●	●	●	●	●	
2009	235 MW Combined Cycle Cogeneration Steam and Power Plant, PNCP at Panipat	Indian Oil Corporation Ltd.		●	●	●	●	●	●	●	
2007	4X30 MW Cogeneration Steam and Power Plant, Refinery Project at Panipat	Indian Oil Corporation Ltd.		●	●	●	●	●	●	●	
2007	3X30 MW Cogeneration Steam and Power Plant, Alumina Project at Lanjigarh	Sterlite Industries (India) Ltd.			●	●				●	
2006	1X30MW Cogeneration Steam and Power Plant at Mumbai	Hindustan Petroleum Corporation Ltd.			●	●	●	●	●	●	
2006	6X160MW Cogeneration Steam and Power Plant, Petrochemical Project at Bandar Imam, Iran	Fajr Petrochemical Company, Tehran, Iran	●		●		●			●	
2001	1X32MW Cogeneration Steam and Power Plant at Mumbai	Bharat Petroleum Corporation Ltd.		●	●	●	●	●	●	●	
2000	1X20 MW Cogeneration Steam and Power Plant, LPG Plant at Uran	Oil & Natural Gas Corporation Ltd.		●		●	●	●	●	●	
1999	1X20 MW Cogeneration Steam and Power Plant at DHDS Project at Mumbai	Hindustan Petroleum Corporation Ltd.		●	●	●	●	●	●	●	
1998	1X2.8 MW Gas Engine Generator based Power Plant at Lakwa	GAIL (India) Ltd.				●	●	●	●	●	

Year of Completion	Project	Client	Services Provided							
			Feasibility Report	System Configuration Study	Basic Design	Engineering for Procurement	Detailed Engg/ Review of Detailed Engg	Construction Supervision	Project Management Consultancy	Others
1998	2X2.8MW Gas Engine Generator based Power Plant at Vaghodia	GAIL (India) Ltd.				●	●	●	●	
1998	2X2.8MW Gas Engine Generator based Power Plant at Khera	GAIL (India) Ltd.				●	●	●	●	
1998	1X30 MW Cogeneration Steam and Power Plant GPC at Gandhar	GAIL (India) Ltd.		●		●			●	
1998	2X30 MW Cogeneration Steam and Power Plant at Numaligarh	Indo Burma Petroleum Co. Ltd.		●	●	●	●	●	●	
1997	1X17 MW Cogeneration Steam and Power Plant at Kochi	Cochin Refineries Ltd.		●	●	●	●	●	●	
1997	64 MW Combined Cycle Cogeneration Steam and Power Plant at Dahej	Indian Petrochemicals Corporation Ltd.		●		●	●	●	●	
1995	40 MW Cogeneration Steam and Power Plant, Petrochemical Complex at Auraiya	GAIL (India) Ltd.		●	●	●	●	●	●	
1995	1X20 MW Cogeneration Steam and Power Plant at Hazira	Oil & Natural Gas Corporation Ltd.		●		●	●	●	●	
1995	31 MW Combined Cycle Cogeneration Steam and Power Plant at Gandhar	Oil & Natural Gas Corporation Ltd.		●		●	●	●	●	
1994	3X8 MW Cogeneration Steam and Power Plant, Urea/Ammonia Plant at Khorasan, Iran	Khorasan Petrochemical Complex, Iran		●		●	●	●	●	
1994	3 Nos. Cogeneration Steam and Power Plant at Bongaigaon	Bongaigaon Refinery & Petrochemicals Ltd.		●		●	●	●	●	
1994	1X4.7 MW Cogeneration Steam and Power Plant at Nagapattinam	Madras Refineries Ltd.		●		●	●	●	●	
1993	4X30 MW Cogeneration Steam and Power Plant at Tabriz Petrochemical Complex, Iran	Tabriz Petrochemical Company, Iran		●	●	●	●	●	●	
1992	1X20 MW Cogeneration Steam and Power Plant, Hydrocracker Project at Baroda	Indian Oil Corporation Ltd.		●	●	●	●	●	●	
1988	85 MW Combined Cycle Cogeneration Steam and Power Plant, Petrochemical Complex at Nagothane	Indian Petrochemicals Corporation Ltd.		●	●	●	●	●	●	
1987	2X20 MW Cogeneration Steam and Power Plant, Gas Processing Complex at Hazira	Oil & Natural Gas Corporation Ltd.		●	●	●	●	●	●	
1984	2X2.5 MW Cogeneration Steam and Power Plant, Refinery Project at Visakhapatnam	Hindustan Petroleum Corporation Ltd.		●		●	●	●	●	
1983	1X8 MW Cogeneration Steam and Power Plant, Refinery Project at Guwahati	Indian Oil Corporation Ltd.		●	●	●	●	●	●	
1982	1X12 MW Cogeneration Steam and Power Plant, Refinery Project at Barauni	Indian Oil Corporation Ltd.		●	●	●	●	●	●	
1981	2X12 MW Cogeneration Steam and Power Plant, Fertilizer Project at Panki, Kanpur	Indian Explosives Ltd.	●	●	●	●	●	●	●	
1980	3X10 MW Cogeneration Steam and Power Plant at Mathura Refinery	Indian Oil Corporation Ltd.			●	●	●	●	●	
1979	2X12 MW Cogeneration Steam and Power Plant at Baroda	Indian Petrochemicals Corporation Ltd.	●	●	●	●	●	●	●	
1979	2X12 MW Cogeneration Steam and Power Plant Gujarat Refinery Expansion Project at Baroda	Indian Oil Corporation Ltd.	●	●	●	●	●	●	●	

Major Projects

Infrastructure

Year of Completion	Project	Client	Services Provided							
			Study	Process Package	Engineering	Procurement	Construction Supervision	Commissioning Assistance	Project Management	Others
2016	Third Party Inspection Services for Indo-China Border Road Works	Ministry of Home Affairs (MHA), Govt. of India								T
2014	Construction of Data Center Building at Delhi & Bengaluru and Construction of Office Building at Delhi for UIDAI	Unique Identification Authority of India			●		●	●	●	
2014	Laying of Interceptor Sewers along Najafgarh, Supplementary and Shahdara drains in Delhi	Delhi Jal Board	●		●		●	●	●	
2014	Modernization of Mumbai Airport	Airports Authority of India								@@
2014	Third Party Inspection Services for Infrastructure Projects within City Limits of Pune	Pune Municipal Corporation								T
2013	Construction of Biotech Science Cluster at Faridabad	Regional Centre for Biotechnology (RCB)					●	●	●	
2013	Development of Institutional and Examination Buildings at North & South Campus of Delhi University	Delhi University			●		●	●	●	
2013	Redevelopment of Connaught Place	New Delhi Municipal Council	●		●		●	●	●	
2013	Setting up of RGIPT Campus at Rai Bareilly (UP)	Rajiv Gandhi Institute of Petroleum Technology (RGIPT)			●		●	●	●	
2013	Setting up of RGIPT Campus at Sivsagar (Assam)	Rajiv Gandhi Institute of Petroleum Technology (RGIPT)			●		●	●	●	
2012	Development of CSIR's Diamond Jubilee IGIB extension campus at New Delhi	Institute of Genomics & Integrative Biology (IGIB)					●	●	●	
2012	Third Party Inspection for Indo Bangladesh Border Fencing and Road Works	Ministry of Home Affairs (MHA), Govt. of India								T
2011	Construction of OIDB Bhawan at Noida	Oil Industry Development Board (OIDB)					●	●	●	
2011	Development of Extension Campus of IIT Roorkee at Greater Noida	IIT Roorkee			●		●	●	●	
2010	Development of Sports Facilities and related Infrastructure development works for Commonwealth Games 2010 at North Campus, Delhi University	Delhi University			●		●	●	●	
2010	Upgradation & Modernisation of Indira Gandhi International Airport, New Delhi	Airports Authority of India								@@
2008	Delhi - Gurgaon 6 Lane Expressway Highway	HUDCO								#
2007	Third Party Inspection/Quality Surveillance Services for Narmada Canal Works	Sardar Sarovar Narmada Nigam Ltd.								T
2005	OIL House at Noida	Oil India Ltd.					●	●	●	
2004	24 MW Wind Farm Power Project	Power Finance Corporation								#
2004	Complete Township/Colony, Non-Plant Buildings and related infrastructure for Ordinance Factory at Nalanda	DRDO			●		●		●	
2004	Cultural Centre at Sikkim	HUDCO			●					

T Inspection Services
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 # Lender's Engineers Services

Year of Completion	Project	Client	Services Provided							
			Study	Process Design	Engineering	Procurement	Construction Supervision	Commissioning Assistance	Project Management	Others
2004	Development of Institutional Complex for Indira Gandhi National Open University, New Delhi	Indira Gandhi National Open University					●	●	●	
2004	EIA report for Trivandrum and Calicut Airport	Airports Authority of India	●							
2004	Multi storeyed Intelligent building with basement Marts etc	Apparel Export Promotion Council					●	●	●	
2004	NOC Building & Incubation Centre	Software Technological Parks of India					●	●	●	
2004	Optimisation on Power energy for drinking water from Narmada Canal	Gujarat Water Supply & Sewerage Board	●		●					
2004	Preparation of DPR for Propellant facility at HERML, Pune	DRDO	●							
2003	Inter linking of River Projects	National Water Development Authority	●							
2003	Third Party Inspection Services for Water Supply Project	Gujarat Water Supply & Sewerage Board								T
2001	Cyber City Project in Mauritius	Software Technological Parks of India	●							
2001	Multi storeyed Intelligent Office building	Petroleum Conservation Research Association					●	●	●	
1998	Multi storeyed Intelligent building Complex	State Trading Corporation					●	●	●	

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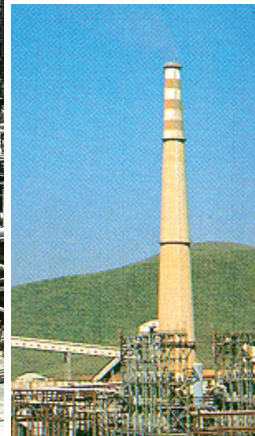
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