

Position	Total Years	Profile of Key LTG Personnel	Softwares
PROJECT ENGINEERING AND MANAGEMENT			
Head Of Project Management	31	<p>Over 30 years of extensive experience of projects management, consultancy for implementation of pipeline projects and preparation of detailed feasibility reports with a reputed consulting organisation.</p> <p>PMC services for implementation of the following projects</p> <ul style="list-style-type: none"> *Vijaipur-Dadri-Bawana NG Pipeline Project (48", 500 Km+36"/20"-94 Km) including 2 Compressor Stations for GAIL (India) Ltd. *Dabhol-Panvel Pipeline Natural Gas Pipeline Project (30", 320 Km) for GAIL (India) Limited. *Pune-Solapur Multi-product Pipeline Project (14"/12", 343 km) for Hindustan Petroleum Corporation Ltd., INDIA. *Mundra-Jodhpur-Bathinda Crude Oil Pipeline Project (30" X 1006 Km) for Guru Gobind Singh Refineries Ltd. *Cochin-Coimbatore-Karur Multi product pipeline Project (18"/14" x 290 km) for Petronet CCK Ltd. *Saaja-Layyah Natural Gas Pipeline Project (30" x 43 km) for SEWA, SHARJAH *Ethylene Gas Pipeline Project (6" X 74 km) from Petrochemical Complex at Nagothane to HDPE Plant at Thane in Maharashtra for Polyolefins Industries Ltd. <p>Detailed Feasibility Report (DFR), Pre-project activities for following projects</p> <ul style="list-style-type: none"> *Pre-project activities for LPG pipeline from Kandla/Hazira/Jamnagar to Loni near Delhi for GAIL. *Vizag-Vijaywada Multi-Product (MS, SKO, ATF & HSD) pipeline project for Hindustan Petroleum Corpn. Ltd. (HPCL) in Southern India. *Vijaywada-Warangal-Secunderabad Multiproduct Pipeline for HPCL * Black Oil Pipeline (LDO & FO) from Mahul Refinery to Vashi for HPCL in Western India *Export Pipeline Project (28" X 20 Km) from SHELL'S LNG terminal at HAZIRA to MORA Node for SHELL, UK. 	1)Primavera
Head Of Project Engineering	26	<p>PMC services for Implementation of following pipeline projects</p> <ul style="list-style-type: none"> *Vijaipur – Dadri – Bawana Pipeline Project,48", -500 km + 36"/ 20", -94 km. for GAIL, India. *Vadinar – Bina Pipeline Project,30", 935 km long Crude Oil pipeline for BORL, India. <p>Detail Engineering of the following pipeline projects</p> <ul style="list-style-type: none"> *Dabhol-Panvel Pipeline Project,30", 187 km long main line, 120 km. 30" branch lines for GAIL, India *Loni-Miraj-Solapur Product Pipeline,12"/14", 343 km long new product pipeline for HPCL, India *Inter Refineries Pipeline, Three nos. pipelines; 230 km. each for TAKREER, Abudhabi *Vizag-Secundrabad LPG Pipeline,12"/ 10" 600 km long LPG Pipeline *Maqta-Jebel Ali sour gas pipeline,112 Km. 48" dia. Pipeline for ATHEER, Abu Dhabi *Jamnagar - Loni LPG pipeline project (Phase-I),1200 KM, 16"/14"/12"/6" dia for GAIL, India *Gas Rehabilitation and Expansion Project (HBJ up gradation),4 Nos. compressor stations for 36" dia. Natural gas pipeline *Thai-Usar-Thal Gas Pipeline and Trombay Terminal, Two nos. pipelines 26" and 20" Dia, 20 km *Ph. II replacement of Iron Ore Slurry Pipeline, Replacement of 2.5 km. *Maharashtra Gas Cracker Complex, *Khammam Chemical Refinery Project, *Aromatics Recovery Unit 	
Project Engineering and Management	12	<ul style="list-style-type: none"> * Project implementation & monitoring of VVPL project for construction of 18" multi product Pipelines (length 365 Km) *Quantification and Estimation Engineering including FEED verification of Bhagyam Field Development Project of CAIRN *Involved in Project Management of various hydrocarbon projects in middle-east *Pipeline Integrity management and maintenance activities of other cross country Pipelines (MPPL, length 162 Km, BOPL) *Commissioning of 12" Black Oil Pipelines (BOPL) from Mumbai to Vashi 	
	10	<ul style="list-style-type: none"> * Independent Steady state flow study for Raageswari Gas Gathering Pipeline for M/s. CEIL. *Independent Pipeline Optimization studies of Mundra - Bhatinda Pipeline project of M/s. HMPL. *Quantification and Estimation Engineering including FEED verification of BAB gas compression project of ADCO *221 km, 16" Songo Songo Gas Pipeline Project *128 Km, 24" Mora Vapi Pipeline Project *24" Mora Vapi Pipeline Project *1200 Km, Various Size, Assam Renewal Project *223 Km, 16" Vijayawada-Secunderabad Product Pipeline Project. *750 Km, 12"/14"/16" Jamnagar –Loni LPG Pipeline Project 	
Engineers		<ul style="list-style-type: none"> *Project Engg *Project Control *Project Planning *Scheduling 	

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ENGINEERING			
Head of Engineering (GIE Representative)	30	<p>30 years of extensive experience in onshore and offshore pipeline engineering, project engineering, operation supervision, preparation of detailed feasibility reports (DFR), Project Management Consultancy and management in USA, Middle-East and South East Asia.</p> <ul style="list-style-type: none"> *1400 km, 48", 80 MMSCMD, Reliance East West gas pipeline *470 km, 28", 450 MMSCFD, PGN Sumatra-Sing Gas PL *Gas to Udhailiyah, 150 km, 28", Aramco gas pipeline *810 kilometers, 20", Saudi ARAMCO products pipeline. *Compressor Station Design & Engineering *Dakota Gas CO2 Pipeline & Compression in Beulah, North Dakota *Coordinated responses to customer inquiries concerning upgrading a 345,000 MTA olefins plant in Thailand * Tuban Petrochemical Complex, East Java, Indonesia *To manage a \$1.3MM effort to design a \$55MM gas pipeline, install a gas plant slug catcher, and install gas treating facilities *\$1.5MM detailed design effort for a 5,000 HP gas compressor station in Northern California 	
PROCESS ENGINEERING			
HOD		As above	1)Pipeline Studio 2)Pipesim
Engineers	Total Nos:8	<ul style="list-style-type: none"> *Review of Optimization Study of 1050 Km Mundra-Bhatinda Pipeline *Independent Optimization Study of Rageswari Gas Gathering Pipelines *Review of Process Simulation Report(FEED verification) of BAB Gas Compression Project *Review of Process Simulation Report of Bhagyam Field Development Project And Preparation of *PFD & P&ID *Hydraulic Analysis: Steady State and Transient *Basis of Design *Cause & Effect Diagram *Surge Analysis *SIL study *QRA 	
MECHANICAL ENGINEERING (Static and Rotary Equipment)			
HOD	36	<p>36 years of rich experience in design, engineering and construction of Project equipment for Oil refineries, off-shore latforms (well & process), alumina refinery and aluminium smelter plant and port handling facilities.</p> <ul style="list-style-type: none"> *Selection and designing of Mainline pumps, Booster pumps, and many mechanical equipments for detailed Feasibility report of Raman Mandi – Bathinda and Raman Mandi – Bahadurgarh Pipeline Project. *Alumina Refinery & Aluminium Smelter Expansion (Phase II) Project, National Aluminium Company Ltd *Panipat Refinery Expansion Project, IOC *Bharat Petroleum Corporation Ltd (Refinery Expansion Project), Mumbai, India *Barauni Refinery Expansion Project, IOCL, Barauni, India *Shell Corporation in Malaysian off shore field - for Samsung Engg Co. At their engineering office, South Korea *Bombay High field oil platforms, ONGC, India And Preparation of: *Turnkey bid document for LSTK jobs *Review of offers, Preparation of Technical Bid Analysis and Review of vendor drawings, Site coordination for erection and commissioning of equipment. *Preparation of Material Requisitions ,Technical Bid Evaluation ,Vendor Data Review *Co-ordination for the Chemical Dosing systems ,Static Mixers, Coalescers, Material handling eqpt., etc of CDU/VDU and Sulphur Pellatisation plant *Site coordination for erection and commissioning of mechanical equipments. 	
Engineers	Total Nos:2	<ul style="list-style-type: none"> *Data Sheets for Pumps, Compressors *MR for Pumps, Compressors *Technical Bid Evaluation *PR for Pumps,Compressor,Blowers,Fans *Vendor Drawing Review 	

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PIPELINE & PIPING ENGINEERING			
HOD	22	<p>22 Years of Hardcore Pipeline and Piping Design Experience including preparation of Detailed Feasibility Report (DFR) and provide Project Management Consultancy (PMC) in various prestigious projects associated with leading engineering company</p> <ul style="list-style-type: none"> * Pre-feasibility study for Algier refinery to Algier port pipeline project of M/s NAFTEC, Algeria * Feasibility study of Pipeline project from Jullandhar to Srinagar (10 x 453 km), 2250 m above MSL. * Detailed feasibility study for Vijaipur to Mathaniya and Barmer to Mathaniya Natural Gas pipeline (HBJ-Phase-III) Project * Feasibility study of Crude oil Pipeline project of Madras Refinery. India <p>and detail engineering of the following key projects</p> <ul style="list-style-type: none"> * 592/517 Km, 24" /8" Barmer Salaya Pipeline Project *600 km, 48", VijaiPur -Dadri Gas Pipeline Project *950 km, 24", Vadinar Bina Crude Pipeline Project *1100 Km, 30", Mundra Bhatinda Crude Pipeline Project *1050 Km, 18" Mundra Delhi Multi Product Pipeline Project 	<p>1)Auto pipe 2)SAP 2000 3)CAD Works 4)CAESAR 5)Mathcad 6)AutoCAD</p>
Deputies/Group Leaders/ Lead Engineer	16	<ul style="list-style-type: none"> * Feasibility study of Pipeline project from Jullandhar to Srinagar (10 x 453 km), 2250 m above MSL. * Detailed Feasibility Study of 10" -24" X 1500 km gas pipeline passing through the states of UP, Rajasthan & Punjab. <p>and detail engineering of the following key projects</p> <ul style="list-style-type: none"> * 592/517 Km, 24" /8" Barmer Salaya Pipeline Project *600 km, 48", VijaiPur -Dadri Gas Pipeline Project *950 km, 24", Vadinar Bina Crude Pipeline Project *600 Km, 42" Dahej- Vijaipur Gas Pipeline Project *1050Km,18" Mundra Delhi Multiproduct Pipeline Project *550 Km, 36", Vijaipur-Dadri (HBJ Expn.) Gas Pipeline Project 	
	14	<ul style="list-style-type: none"> * Pre-feasibility study for Algier refinery to Algier port pipeline project of M/s NAFTEC, Algeria * Feasibility study of Pipeline project from Jullandhar to Srinagar (10 x 453 km), 2250 m above MSL. * Detailed feasibility study for Vijaipur to Mathaniya and Barmer to Mathaniya Natural Gas pipeline (HBJ-Phase-III) Project * Feasibility study of Crude oil Pipeline project of Madras Refinery. India <p>and detail engineering of the following key projects</p> <ul style="list-style-type: none"> *592/517 Km, 24" /8" Barmer Salaya Pipeline Project *600 km, 48", VijaiPur -Dadri Gas Pipeline Project *1100 Km, 30", Mundra Bhatinda Crude Pipeline Project *240Km,18" Takreer Multiproduct Pipeline Project *150 Km, 20" Brahma Putra Gas Pipeline + Compressor Station 	
Engineers	Total Nos:22	<ul style="list-style-type: none"> *FEED Verification *Stress Analysis *Pipeline Thickness Calculations *Crossing Analysis *Seismic Analysis *Buckling Analysis *Bending Radius Calculations *Alignment Sheet Engineering *HDD details *Hydro testing Details *MR *Piping GAD 	
Designers	Total Nos:14	<ul style="list-style-type: none"> *Alignment Sheets *Piping GAD *3D Model Drawings for Pumps/Compressors/IP Stations *Equipment Layout 	

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INSTRUMENTATION ENGINEERING			
HOD	19	<p>Having Hardcore Design Experience in SCADA, control room instrumentation, Field Instrumentation</p> <ul style="list-style-type: none"> *DCS and PLC configuration and Implementation *Successfully accomplished various projects as scheduled and efficiently in telemetry systems, SDH network and fiber optics telecommunication *Exposure to Fiber Optic Panel installations, Patch cards and Ethernet TCP/IP communications *Deftly directing a team of Engineers for smooth Network Administration, Systems and Server Maintenance. Exposure to Ethernet, TCP/IP protocols for LAN administration. * Designed and implemented various data networking, wireless and videoconferencing solutions using CISCO routers, Switches, Firewalls and wireless radio modems. *Preparation of Technical Specification of Pressure, Flow, Temperature and Level Instruments and Analyzers. *Review and Preparation of P & ID and Cable Layout Diagram drawings using AUTOCAD by team. *Design, Sizing, Calculation and Installation of Control Valves. 	1)Intools
Deputies/Group Leaders/ Lead Engineer	9	<ul style="list-style-type: none"> *ONGC C2/C3/C4 Extraction Unit, Dahej, Gujarat *Green Dome Petrochemical, Sharjah *Rabigh Refinery and Petrochemical Complex Project, Saudi Arabia 	
Engineers	Total Nos:5	<ul style="list-style-type: none"> *Instrumentation Design Basis *Control Philosophy *P&ID *Instrumentation Data Sheets *HAZOP, HAZID *SIL *MTO *MR *Instrumentation Cable Schedule *Loop Diagram *Logic Diagram *PLC/SCADA/DCS 	
Designers		<ul style="list-style-type: none"> *Logic Diagram *Loop Diagram *Cable Routing *Installation Diagram *BOQ *MTO 	

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ELECTRICAL ENGINEERING			
HOD	22	<p>Working with leading Engineering Companies involved in various Electrical Design and Engineering Projects</p> <ul style="list-style-type: none"> *Cathodic Protection System Design *TEIL's Ethylene Glycol project coming up at Yanbu, KSA Core design activity such as system studies, grounding calculations, single line diagram, selection of switchgear, mcc, *RSEB Phase-II (Jaipur City DA) project *Replace 13.8KV oil-filled in Ras Tanura refinery *Replace substation # 33 in Ras Tanura Terminal South *400 KV Delhi Ring Main *400 KV Kanpur sub-station Static VAR Compensator Project *Extension of 1 x 210 MW unit of Badarpur thermal power station 	1)ETAP
Deputies/Group Leaders/ Lead Engineer	21	<ul style="list-style-type: none"> *Designing of HT, LT Cable size selection, Transformer size selection, MV Switch Gear size selection, Starters & Motors size selection, Capacitor bank size selection, DG set size selection, Earthing size selection, Internal & External lighting fitting selection. Preparation of all types of SLD, Electrical & instrumentation Cable routing, Earthing layout, Internal & External lighting layout, Cable trench layout and HT, LT Electrical equipments layout Drawings. Preparation of all types of Electrical & Instrumentation cable schedule, Interconnection, Interlocking details, Control scheme, Specification of Electrical & Instrumentation Equipments of 60 MLD STP RMC *ETP PX-PTA Plant IOCL Panipat *40 MGD STP Nilothi, 10 MGD STP Yamuna Vihar (Delhi) & CETP at Mangol Puri, Maya Puri, Badli (Delhi) *20 MGD STP Dwarka , 10 MGD STP Vasant Kung, New Delhi, & CETP at Panipat 	
Engineers	Total Nos:3	<ul style="list-style-type: none"> *Electrical Design Basis *Lighting Calculation *Electrical Load List *Electrical Equipment Specifications *Cathodic Protection *Electrical Equipment Data Sheets *MTO *MR 	
Designers	Total Nos:3	<ul style="list-style-type: none"> *Single Line Diagram *Power and Control Cable Tray Routing *Earthing Routing *Lighting Routing *Lightening Protection 	

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CIVIL ENGINEERING			
HOD	36	<p>36 years of experience in analysis, studies and detail structural engineering are carried out for various industrial Projects including refineries, Petrochemical complex, Pipeline projects, Non-ferrous Metallurgy plants, material handling plants & cement plants as a part of structural engineering works</p> <p>Pipeline Projects: *Vizag-Vijaywada Pipeline Project *Vizag-Secunderabad Pipeline Project</p> <p>Refinery & Plant Projects: *Parex-xylene Plant LSTK project at Panipat refinery *Alumina refinery expansion Project at Muri *Detail Structural engineering for Mathod cement Plant & south India cement Plant *Detail Structural engineering for Titanium Sponge Plant *Detail Structural engineering for Malanj Khand Copper Plant</p> <p>Non-ferrous Metallurgy projects *NALCO expansion projects *JSW Alumina refinery *HIL smelter Plants</p>	
Deputies/Group Leaders/ Lead Engineer	10	<p>*Layout Engineering *Plot Plan *Equipment Foundation *Building Drawing *Fire Fighting System *EOU Pyridine Plant at Gajraula,UP *EPS panel manufacturing plant at Ballabgarh *WaterSupply,Sewerage and Drainage Network under Rohini phase IV *Formulation of Sewerage and Drainage schemes and Engineering designs, contract documents for Lashkar and Gwalior Zones *Formulation of Sewerage and Drainage schemes and Engineering designs, contract documents for Ranchi City *Formulation of Sewerage and Drainage schemes and Engineering designs, contract documents for Mega Sports Complex in Ranchi</p>	
Engineers	Total Nos:1	<p>*Building *Foundation Design *Support Design *Structure Support Shades *Piling *MTO *MR *Load Calculation *Detailed Civil Design Calculation *Preparation of Specification *Data Sheets</p>	
Designers	Total Nos:7	<p>*Plot Plan *Grading Plan *Drainage Plan *Detailed Civil Drawings *Alignment Sheet</p>	