



“Success Lies in Service”

SOPAN O&M CO. PVT. LTD.

O&M Services





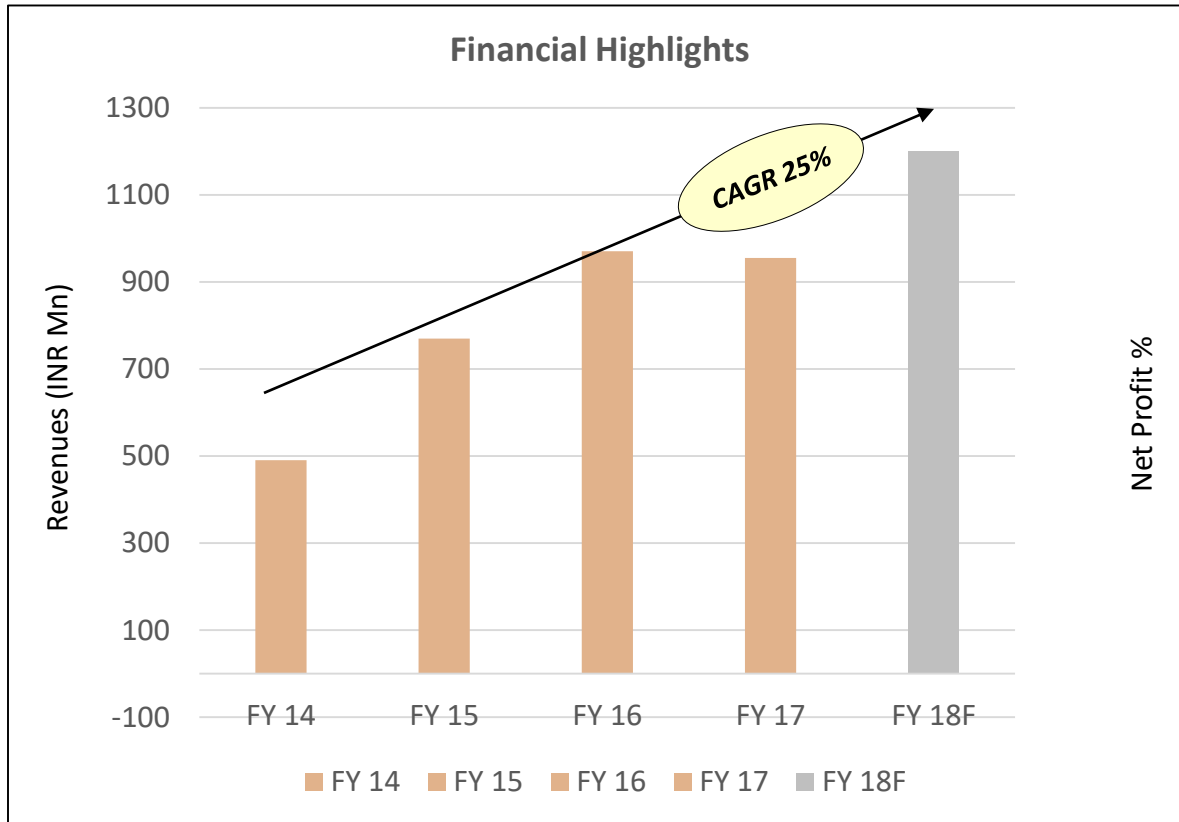
Established in 2001, SOPAN has built a strong reputation in Oil & Gas in the country over the years.

Established	2001
Head office	Pune (Maharashtra, India)
Regional offices	Ahmedabad, New Delhi, Durgapur
Employees	~1000 Countrywide (As on Jan 18)
Revenues	~INR 1.25 Billion (FY 18)
About	Established in 2001, by Oil & Gas Professionals, integrates with clients, understands their unique requirements, and offers tailor made solutions in O&M, Inspection, Fabrication & Construction Services by maximizing cost benefits of our valuable customer. SOPAN provides end to end solutions from concept to commissioning and post commissioning O&M services for assets such as Pipelines, Process Plants, Terminals, Jetties, and Tank farm etc.





We have grown at nearly 30% CAGR in the recent years to become ~INR 1 Bn entity...



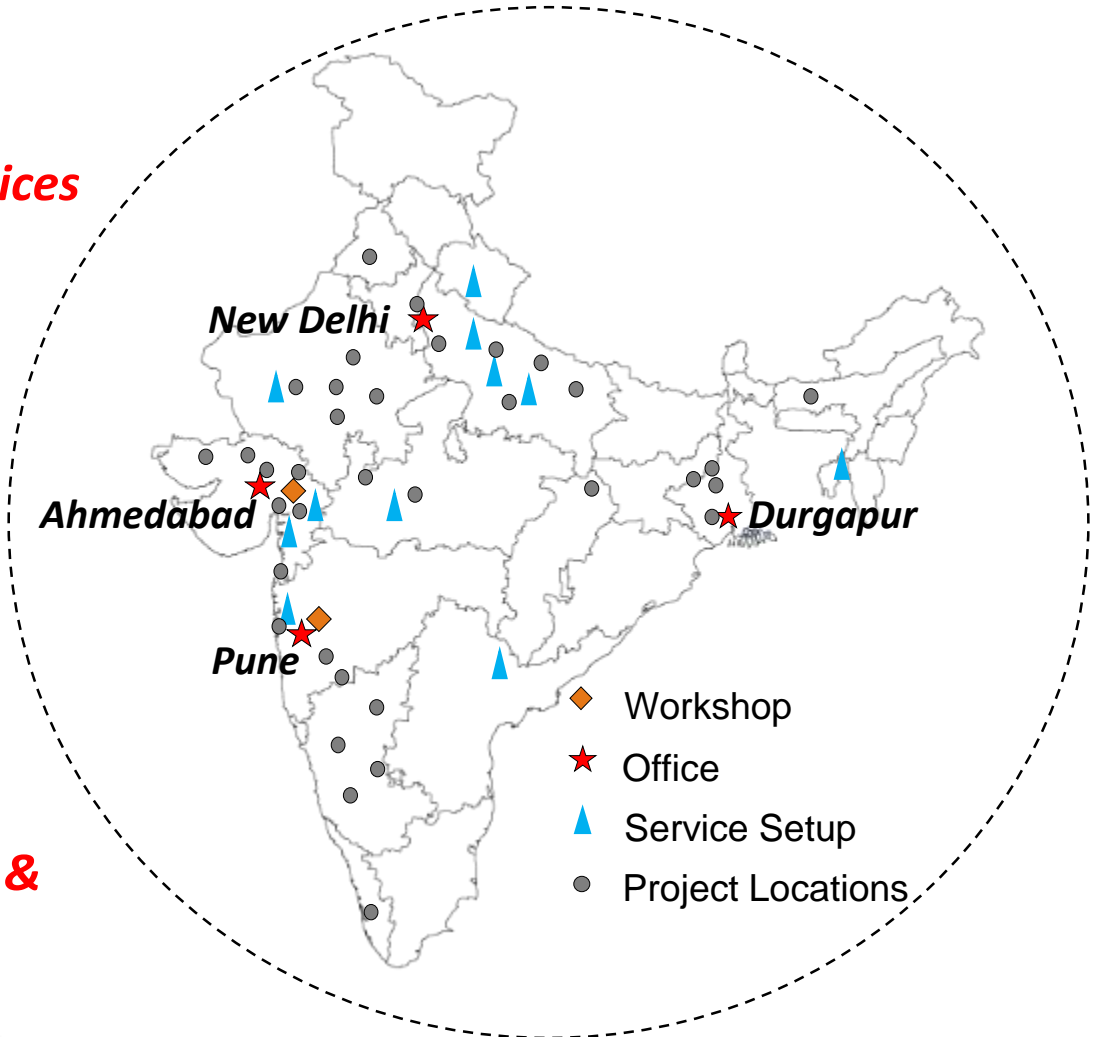
F: Forecast





...achieving a Pan-India presence through varied offerings for the sector...

O&M Services



EPC Projects

Supply of Equipment & Systems

- ◆ Workshop
- ★ Office
- ▲ Service Setup
- Project Locations





...maintaining a high emphasis on our quality as well as people throughout the journey.

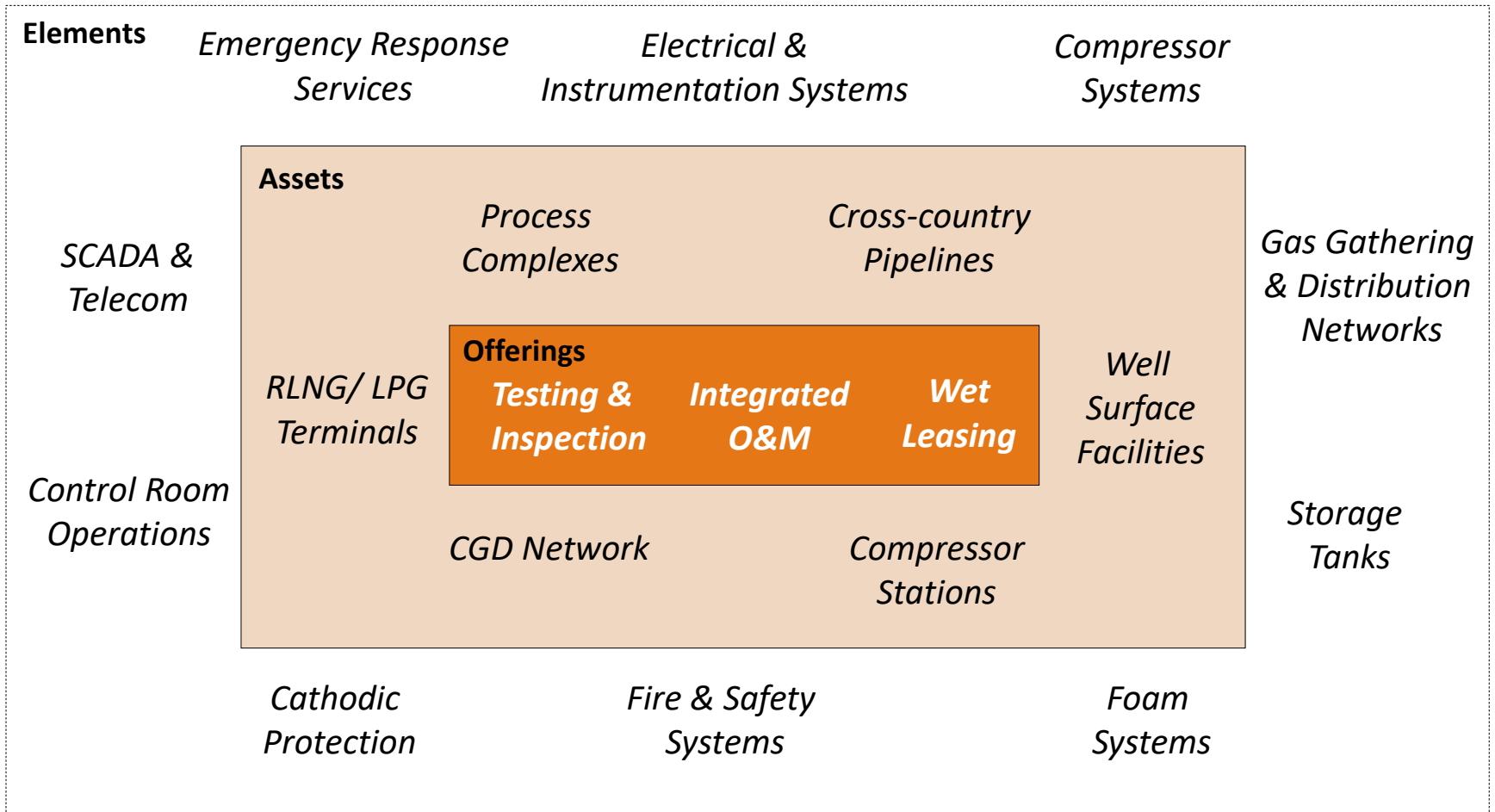
We at “SOPAN” are committed to

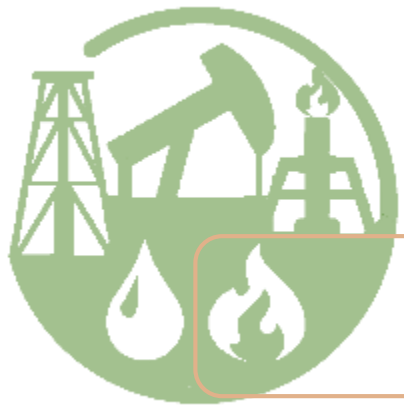
- ✓ Deliver high quality Products & Services conforming to specifications/regulations of national/international standards through continual improvement in Quality Management System
- ✓ Ensure ON TIME delivery to customers.
- ✓ Developing supply chain of vendor’s with an objective to ensure Quality & Reliability for higher customer satisfaction.
- ✓ Imparting Health, Safety training and PPE to our employees on the basis of site requirements to ensure Zero Loss Time Injuries at site.
- ✓ Strictly follow “Health Safety & Environment (HSE)” policy – **Zero LTI (Lost time injury) till now.**





We have expertise of providing a wide variety of O&M Services across the industry...





O&M Services & Track Record





Our Offerings – Operation & Maintenance Services

Integrated O&M services of your assets with 100% uptime:

- Mechanical Maintenance
- Electrical Maintenance
- CP Monitoring & Maintenance and Surveys
- ROU Maintenance
- SCADA & Telecom Operation & Maintenance
- Static / Rotary Equipment Maintenance
- Pigging Services
- Inspection and Technical Audit for Fitness for Services

For the following Assets

- ✓ Crude/Product/LPG/RLNG/CGD Pipelines
- ✓ Gas Gathering Station
- ✓ Tank Farm / Marketing Terminal / Liquid Terminal
- ✓ Process Plants/Refineries/Petrochemical Plants





Our Offerings – Wet Leasing & O&M of Gas Compressors

“SOPAN” Provide GAS Compressors on wet leasing and also having O&M commitment of more than 200 CNG Compressors of various model from following manufacturers across India.

- Kirloskar Pneumatic Company Limited
- Dresser-rand
- Chicago Pneumatic
- Delta
- Burckhardt Compression
- EMER (Sicom Compressori)
- Idromeccanica
- Indian Compressors Ltd (ICL)
- Galileo



“SOPAN” provides Equipment Overhaul Services (Compressors) to all major Original Equipment Manufacturer (OEMs), involving complete Dismantling, Servicing, Repair/Replacement of parts, re-Assembling, Testing and making ready for re-Installation and Commissioning.





Our Offerings – Inspection & Testing Services

“SOPAN” Provide State of the Art CNG Cylinder Testing Services as per standards and codes as prescribed by PESO, Government of India.
Hydro Testing Facility uses Water Jacket Method for testing of Cylinders.



Cylinder Testing Facility

“SOPAN” also provide Safety Relief Valve Inspection & Testing Facility designed for pressure 300 bar(g) and up to 8” flange size.



Safety Relief Valve Testing



Our Offerings – Cathodic Protection Services

“SOPAN” Provides Cathodic Protection System Services including

- Soil Resistivity Survey
- Design, installation & Commissioning for
 - Temporary Cathodic Protection System
 - Impress Current Cathodic Protection System
- CP Mitigation Jobs
- CP Monitoring & Maintenance
- CP Surveys
 - PSP on/off
 - DCVG
 - CIPL
 - CAT
- External Corrosion Direct Assessment (ECDA)





Our Offerings – Emergency Response Services

SOPAN Provide its Emergency Response Services on 24x7 basis along with Emergency Response Vehicle (ERV) for:

- ✓ Pipeline Bust/Leak/Fire
- ✓ Natural calamity flood/earthquake
- ✓ Emergency by Third Party Activity
- ✓ Sabotage
- ✓ Man made industrial problems





Fact Sheet - SOPAN

- ✓ Single Point Responsibility of Maintaining over 3000 Kms of Cross Country Pipelines and over 8000 Kms of steel pipelines of CGD Network with 100% uptime.
- ✓ CP System Design, Installation & Commissioning of 4" x 33 Kms NG Pipeline.
- ✓ O&M Services for over 150 CNG Compressors with a total capacity of 3.3 MSCMD.
- ✓ O&M Services for Compressors Stations for continuously 3 years for
 - ✓ 3 Compressors with a capacity of 120 Thousand Standard Cubic Meter a Day
 - ✓ 6 Compressors with a capacity of 420 Thousand Standard Cubic Meter a Day
- ✓ Provided Numbers of Hydraulic Booster Compress
- ✓ Over 1000 nos. of Qualified Technical Team.
- ✓ Executing jobs in 15 States across India.





SOPAN's Track Record



Client: Hindustan-Mittal Energy Ltd.
Project: Maintenance and Supervision of 1017 Km Crude Oil Pipeline
Location: Gujarat, Rajasthan, Haryana & Punjab
Scope: Operation/Maintenance/Inspection/Up-Keepment of cross country pipeline, IPS and SV stations including Mechanical, Electrical, SCADA, Instrumentation, CP M&M, ROU Maint. & 24x7 Emergency Response Services

Client: Gujarat State Petronet Ltd.
Project: ARC Mechanical, Civil, Electrical, Instrumentation & Modification of A/G Piping of Gas Grid
Location: Zone 3 – Vadodara, Rajkot & Jamnagar
Scope: Mechanical, Civil, Electrical, Instrumentation and Modification work including repair, painting, sleeve welding, condition check/ replacement of valves & fittings, repair & repack of Filter, Open/clean /box-up of Pig Launcher/Receivers, fabrication/laying / testing of U/G pipelines of various dia, coating repair, calibration of instruments, Hydro testing of various equipment





SOPAN's Track Record...



Client: Indian Oil Corporation Ltd.
Project: ARC of Maintenance of approx. 800 kms. Cross country pipelines including mainline facilities on ROW & Pilferage/ Leak restoration work PHBPL Haldia & Bolpur Jurisdiction
Location: Odisha, West Bengal & Jharkhand
Scope: Maintenance/Inspection/Up-Keepment of cross country pipeline, IPS and SV stations including CP M&M, ROU Maint. & Emergency Response Services and provision of QRT, and RoU washout repairs

Client: Gujarat Gas Ltd.
Project: ARC for Steel Network Operation and Maintenance
Location: All GAs awarded to GGL in Gujarat
Scope: Mechanical, Civil, Safety valve calibration, Instrument calibration and Modification work including repair, painting, sleeve welding, condition check/ replacement of valves & fittings





SOPAN's Track Record...



Client: Cairn India Ltd.

Project: Provision of O&M Services and Manpower for different disciplines for Mangla Pipeline Operations

Location: Areas and facilities around Barmer, Sanchor, Viramgam, Rajkot, Radhanpur and Jamnagar Operation bases.

Scope: **Operations**

Daily Operation monitoring, Tank Farm Operation, Pigging of Crude & Gas Pipeline, Boilers and Steam generation system operations, Export System & Custody metering Operations

Maintenance

Mechanical/Electrical/Instrumentation maintenance services of Pipeline Above Ground Installations and Tank Farm

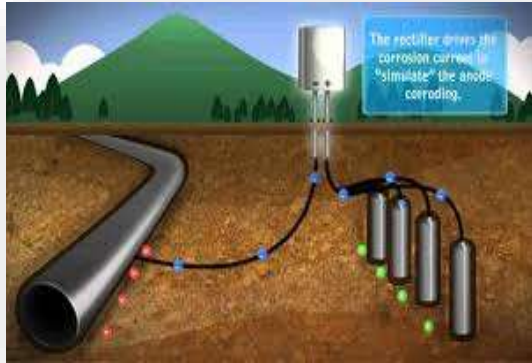
Provision of Warehouse Assistance

Provision of Chemist for Laboratory operations





SOPAN's Track Record...



Client: Sabarmati Gas Ltd.
Project: Design, Installation, Testing & Commissioning of TCP/PCP system
Location: Gujarat
Scope: Service contract for Design, Detailed Engineering, Supply, Installation, Testing & Commission and O&M of the Temporary and Permanent Cathodic Protection System to protect the external surface of the 4" NB, API 5L, Gr. X52, 6.4mm Thk., PSL 2, 3LPE Coated, 33 Kms. Pipeline for Himmatnagar Project.

Client: Gujarat Gas Ltd.
Project: ARC for Monitoring & Maintenance of CP System
Location: Cluster 3 & 6 in Gujarat
Scope: CP Monitoring & maintenance, PSP On/Off survey and DCVG/CAT Survey

Client: GEECL (Coal Bed Methan Block)
Project: Monitoring & Maintenance of CP System of CBM pipeline
Location: Asansol, West Bengal
Scope: CP Monitoring & maintenance and PSP On/Off survey





List of CNG Outlets and Compressors O&M Jobs



Company Name	Site Location	Description	Kind of work	Particular
DRESSER-RAND	Delhi	CNG Mother Compressor	O & M	10 units
DRESSER-RAND	Delhi	CNG Mother Compressor	O & M	30 units
GSPL	Ahemdabad	Testing and calibration	O & M	Safety valve & mechanical
Adani	Ahemdabad	CNG Compressor	O & M	
GAIL	Gujrat	CNG outlets	O & M	
Gujrat gas	surat, ankaleshwar	Delta max CNG Dispensers & compressor	O & M	DWP/ FTI/ TULSA/ VIRDIS
KPCL	Pune	CNG gas compressor	O & M	Engine and motor driven
KPCL	Pune	Gas engine driven maintenance	O & M	9 units (GEECL,CUGL 6)
MGL	Mumbai	CNG outlet operation	O & M	
MGL	Mumbai, navi Mumbai, Thane	CNG Compressor, Dispensers, LCV filling	O & M	
KPCL	Delhi	CNG Compressor packages	O & M	10 unit (electric motor driven)
Adani	Faridabad	Gas engine driven maintenance	O & M	1200 SCM/H
SHUBH	Ahemdabad	CNG compressor	O & M	

And many more...





Key Facilities





Workshop Capacity

- Fabrication facility at our Kazipura workshop for Marking, Cutting, Bending, Welding, Blasting & Painting.
- Area is approx. 8000 sq. mtr. Including workshop, office & CCOE (Chief Controller of Explosives, India) approved High Pressure Cylinder testing facility.
- Covered Fabrication Shed area is 720 Sq. mtr. (15 mtr width x 48 mtr length x 6 mtr height). This has two bays of 7.5 m each with individual material handling facilities (EOTs) . In addition, open fabrication yard is 1600 sq. mtr. with mobile material handling facility.
- Separate closed blasting and painting shop.
- Workshop total production capacity is 200 M.T. in Vessel, Structure and 10000 Inch Dia in piping per month.
- Closed Centralized store for major materials controlling and same is arranged on rakes with proper tagging.
- All skids are manufactured in house
- Major inspection agencies like TUV, BVIS, SGS etc are involved right throughout the manufacturing process for ensuring 100% quality.





Workshop Images





Major Machineries at Workshop/ Sites

- Plate Bending Machine – 2 mtr width x 25 mm thickness
- EOT Cranes – 15 M.T. & 5 M.T. Each
- Welding Rectifier with & w/o TIG facility – 150 nos.
- Beveling Machine – 100mm to 1200mm Dia pipe X 50 mm thick.
- Material handling equipment – 14 M.T. Hydra 6 Nos. Balance cranes as required hired from local agencies.
- All type of calibrated measuring instrument available like Vernier caliper, Micrometer, Bevel protector.
- Closed booth for Blasting facility. Copper slag used for blasting with skilled man power as per SA 2.1/2 standard.
- All types of welding facility available like SMAW, TIG, MIG.
- Air less spray gun for painting to ensure proper thickness DFT meter for quality check. Paints, Enamel, Epoxy, Poly Urethane and Aluminum Paint are used, as per Client requirement.
- Motorized Hydro testing pumps.
- D. G. sets – Adequate nos.
- Chain Pulley Block (2T, 3T, 5T) – As per requirement
- 300CFM Air Compressor – As per requirement
- Pressure Pump, Filling Pump, Dewatering Pump – As per requirement





Snaps From Some Of Our EPC Project Sites



BPCL, Kota – Piyala section of MMBPL Project



ONGC, Mehsana



BPCL, Gandhinagar, Gujarat



GEECL, Asansol



ONGC, Nandasan





Snaps From Some Of Our EPC Project Sites



Foam System @ HPCL Karnataka



Depurator @ Barmer



HPCL RCD @ Pune





Contact Us

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Assuring our best service at all times

