

## **GAIL (India) Limited**

### **Regional Pipeline Network Head Quarters, Vadodara**

GAIL (India) Limited is India's leading natural gas company with diversified interests across the natural gas value chain of trading, transmission, LPG production & transmission, LNG re-gasification, petrochemicals, city gas, E&P, etc. It owns and operates a network of around 14617 km of natural gas pipelines spread across the length and breadth of country. It is also working concurrently on execution of multiple pipeline projects to further enhance the spread. GAIL commands ~70% market share in gas transmission and has a Gas trading share of over ~ 50% in India. GAIL and its Subsidiaries / JVs also have a formidable market share in City Gas Distribution.

GAIL's trunk pipelines are gateway of natural gas in India with more than 70 % of the country's natural gas being sourced from Dahej & Hazira. Gujarat is having the highest share of Natural gas in primary energy basket (~22%) across the country in which GAIL has played major role by developing gas infrastructure & associated facilities to cater to the needs of Industries & households.

In the state of Gujarat, with headquarters at Vadodara, GAIL is operating and maintaining approx. 1450 KMs of natural gas pipeline including 36 IN HVJ trunk Pipeline, 42 IN DVPL-I truck Pipeline, 48 IN DVPL-II trunk Pipeline and various regional pipelines having sizes from 04 IN dia. to 24 IN dia. Apart from pipelines, GAIL, Vadodara is also maintaining more than 150 terminals which includes SV Stations, IP Stations, Customer terminals and above ground installations etc. Taking due care of safety and integrity, GAIL is supplying uninterrupted gas supplies to various customers. Also, GAIL in Gujarat is sending LNG through tankers to other states with loading point at Petronet LNG Limited, Dahej.

The operations are being monitored round the clock by state of the art RGMC through SCADA system located at Vadodara and maintenance of the pipeline network is being looked after by six maintenance bases i.e. Undera, Bharuch, Dahej (South Gujarat) and Ahmedabad, Kadi and Mehsana (North Gujarat). The network consists of Regional pipeline (707 Kms) of which oldest pipeline was laid in the year 1965 (now replaced with new pipeline) and trunk pipelines which are part of HVJ, DVPL-1, DVPL-2 and DUPL cross country pipelines. GAIL, Vadodara is supplying around 15 MMSCMD of natural gas to more than 145 consumers (2MMSCMD-100SCM) from various sectors like power, fertilizer, glass, ceramics, city gas distribution companies etc.

GAIL, Vadodara accords highest priority to safety in its operations of pipeline and keeps on assessing the preparedness by conducting mock drills, public awareness programs, foot and vehicular patrolling of pipelines and regular review of emergency action plan. GAIL keeps abreast with the latest development in the pipeline industry thereby upgrading its assets, systems & skill sets of its workforce.

GAIL Vadodara has introduced Digital ROU Management System, wherein CCTV cameras have been installed at all the above ground installations along the pipeline. The feed is received at the Monitors in Regional Gas Management Centre in Vadodara office. Geo Fencing has been carried out along the pipeline ROU / ROW with the help of warning markers, etc. Pipeline Patroller uses hand held GPS device while carrying out foot patrolling along the pipeline. The route, speed, etc get logged into the system and is plotted on the pipeline ROU map. Quick Response Teams have been deployed at 06 strategic locations so as to cater to emergency calls involving unauthorized excavation, soil removal, encroachments, etc.