



**गेल (इंडिया) लिमिटेड**

(भारत सरकार का उपक्रम - एक महारत्न कंपनी)

**GAIL (India) Limited**

(A Government of India Undertaking - A Maharatna Company)

**चेन्नई आंचलिक कार्यालय**

बीएसएनएल कॉम्प्लेक्स, तीसरी मंजिल, सीटीएस बिल्डिंग,  
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## JUSTIFICATION FOR PROJECT

In consideration of the requirements of an environmental parameter, constructions methodologies to be adopted for different terrain encountered en-route, design and engineering factors, availability of logistic support during construction, operation and maintenance of pipeline, various feasible routes were identified by the Consultant **Surveyors** based on Desk Study of relevant topographic maps of Survey of India. The study was subsequently supplemented with field reconnaissance and data collection along the feasible routes. Finally the optimum route was arrived at after analyzing the various data and conducting in depth study of topographic maps based on field data. The respective route passes along **Gummanur Reserved Forest** and **Toppur Reserved Forest** in **Dharmapuri District** in Tamil Nadu State for a length of **5.8955 km** as mentioned herein above for laying **Proposed 24" Ø Steel Gas pipeline** along with OFC duct from Krishnagiri to Salem in Krishnagiri, **Dharmapuri** and Salem District in Tamil Nadu State.

The Pipeline will be laid at minimum **1.2 to 1.5 m** below ground level and as per the requirement of the authority. The pipeline will be passing through Reserved Forest for about **55831.00 Sq.mtr. i.e. 5.5831 Ha for Linear Project**.

The proposal is submitted for 2m right of way in the existing road portion and for Toppur RF. pipeline is proposed to the 10m right of way. We would like to inform you that in the existing road portion a sufficient space were available to move the construction equipment's and perform the activities like welding and testing which requires land beside 2m pipeline ROU. As the additional non forest land is not available beside pipeline alignment in the Toppur RF and performing the said activities in forest land will likely to disturb natural activities in forest land. In the view of above M/S GAIL submitted the proposal for 10m right of way in Toppur RF. area.

While identifying the various alternatives for selection of the optimum route, following factors were considered:

- Pipeline route has been finalized in such a way that minimum forest land will be utilized as well as tree cutting will be minimum.
- Demand and supply center.
- Compliance with environmental regulations.
- Safety of people and property.
- Shortest possible pipeline length.
- Minimum number of bends.
- Favorable ground profile for pipeline hydraulics.
- Accessibility to pipeline route during construction, maintenance and operation.
- Location of pipeline facilities and access thereto.
- Avoidance of mining protected and reserved forest archaeological and other sensitive areas.
- Avoidance of unstable ground features.
- Minimizing road, rail, rivers and flood prone areas.
- Avoidance of rocky stretches.

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उप महाप्रबंधक (निर्माण) / Dy. General Manager (CONSTRUCTION)  
गेल (इंडिया) लिमिटेड / GAIL (INDIA) LIMITED  
चेन्नई / Chennai  
Corporate Identification No. L40200DL1984GO1018976

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- Avoidance of areas reserved for planned future development.
- Flexibility for future expansion.

Based on the above, detailed route surveys have been carried out to finalize the exact corridor for laying the pipeline by using bare-minimum forest land.

For GAIL (India) Limited,



Authorized Signatory

एम. रविचंद्रन / M. RAVICHANDRAN  
उप महाप्रबंधक (निर्माण) / DY. GENERAL MANAGER (CONSTRUCTION)  
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चेन्नई / Chennai  
Corporate Identification No. L40200DL1984G01018976

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