

## Justification for locating the project in forest area to be submitted by user Agency and countersigned by DCF

### JUSTIFICATION FOR PROJECT

In consideration of the requirements of 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 **M/s. Deshpande-Patil Consultants** 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 route is finalized. The route **Along / Across SH-38 (Lakhtar-Siyani-Limbdi), MDR (Bhojpara-Anandpur to Hadala), Ahmedabad-Limbdi-Rajkot - NH-8A/NH-47 in Limbdi Taluka; SH-17 Lakhtar-Viramgam Road (Lakhtar-Olak) Road in Lakhtar Taluka; SH-38(Bhrugupur-Ranpur Road), MDR ROAD (Chokadi to Sudamda) in Chuda Taluka and Thangadh-Devaliya (SH), SH-119 (TARNETAR-Thangadh) in Thangadh Taluka** as said herein above to provide gas to **Domestic, Commercial and Industrial Units in Limbdi, Lakhtar, Chuda & Thangadh area along with Villages en-route.**

The Pipeline will be laid at minimum 1.2 mtr. Below ground level and as per the requirement of the authority.

The pipeline will be passing through Protected forest land for about **18894.31** Sq. mtr. I.e. Hectares **1.8894** of land as per enclosed **Annexure -7.**

#### Factors considered

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.
- Favourable 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.
- 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.

For Gujarat Gas Limited

(Kirit Kabira)  
Officer (ROU)



**Certificate for the minimum use of Forest Land and justification for locating the Project on Forest Land.**

The PE Natural Gas Pipeline will be laid the **Along / Across SH-38 (Lakhtar-Siyani-Limbdi), MDR (Bhojpara-Anandpur to Hadala), Ahmedabad-Limbdi-Rajkot - NH-8A/NH-47 in Limbdi Taluka; SH-17 Lakhtar-Viramgam Road (Lakhtar-Olak) Road in Lakhtar Taluka; SH-38(Bhrugupur-Ranpur Road), MDR ROAD (Chokadi to Sudamda) in Chuda Taluka and Thangadh-Devaliya (SH), SH-119 (TARNETAR-Thangadh) in Thangadh Taluka as per statement** at Dist. Surendranagar as said herein above, at minimum 1.2 mtrs below the ground level and these area are declared as protected forest under the Forest Act.

The area of **18894.31 Sq.Mt (1.8894 Hector)** for the laying MDPE Gas pipeline is the basic minimum requirements. And considering the safety of pipeline to be laid on other facilities, minimum land width is proposed to use in the forest area, as the pipeline the **Along / Across SH-38 (Lakhtar-Siyani-Limbdi), MDR (Bhojpara-Anandpur to Hadala), Ahmedabad-Limbdi-Rajkot - NH-8A/NH-47 in Limbdi Taluka; SH-17 Lakhtar-Viramgam Road (Lakhtar-Olak) Road in Lakhtar Taluka; SH-38(Bhrugupur-Ranpur Road), MDR ROAD (Chokadi to Sudamda) in Chuda Taluka and Thangadh-Devaliya (SH), SH-119 (TARNETAR-Thangadh) in Thangadh Taluka as per statement** which is under forest area.

The area required for laying of the Gas pipeline is minimum and is a part the protected forest.

Place : Gandhinagar

Date : 28.09.2015

  
(Kirit Kabira)  
Officer (ROU)  
Gujarat Gas Limited

