

Annexure-9

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, construction 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 respective route passes along MSH-3 (NH-166) and Shirol Bypass Road as said herein above to provide Natural Gas to Domestic, Commercial and Industrial Units in Kolhapur district area along with Villages en-route.

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

The pipeline will be passing through reserved forest land for about 274.43 Sq.m i.e. **0.0274 Hectare** 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 HPOIL Gas Private Limited



**Sunil Sadmake
Project Head CGD Project
Kolhapur GA**

Annexure – 7

Statement showing the details i.e. Survey No. / Coupne. No./ F.S. No. / Comptt. No. etc. of the forest area involved with its boundaries, along item wise breakup of the forest proposed for diversion

1. Authority : HPOIL Gas Private Limited
2. Project Report to be from process/co-ordinator : Copy Enclosed.
3. Route Particulars : Laying proposed 300mm diameter Steel Gas Pipeline along with 40mm diameter HDPE duct, Along MSH-3 (NH166) Kolhapur-Sangli Highway and Shirol Bypass Road From Village Tamdalge To Jaysingpur-Agar Phata, Shirol, Kolhapur of Kolhapur GA.
4. The breakup of forest area required for laying Gas Pipeline.

RESERVED FOREST :

Sr. No.	Description	Along/ Across	Chainage (M)		Length In Forest (M)	RoU Width In Forest Land (M)	Area In Forest Land (Sq.M)	Total Area In Forest Land (Ha)	Line Name
			Start	End					
1	Along MSH-3 (NH-166) (Kolhapur Sangli Highway) Tamdalge RF	Along	16414.47	16688.90	274.43	1.000	274.43	0.0274	Proposed 300mm diameter Steel Gas Pipeline From Village Tamdalge To Jaysingpur-Agar Phata, Shirol.Taluka-Shirol & Dist-Kolhapur
	TOTAL				274.43		274.43	0.0274	

5. No. of villages affected : Nil