

**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 supports 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 across 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 Across/parallel various Roads as said herein above to provide LP LPG to **Domestic, Commercial and Industrial Units in Mundra area Across with Villages en-route.** Laying proposed 20" Ø (API 5L X65, PSLII, LSAQ) LPG Pipeline Across/Parallel various Roads from Mundra Ports to GAIL Receiving Station at Mithi Rohar Village in Dist.-Kutch

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 protected forest land for about **11508.57** Sq.mtr. i.e. Hectares **1.1509** of land as per enclosed attached is

**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 Adani Ports & SEZ Ltd.**

Authorized Signatory



**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, Across/Parallel item wise breakup of the forest proposed for diversion**

1. Authority : Adani Portss & SEZ Ltd.
2. Project RePorts to be from process/co-ordinator : Copy Enclosed.
3. Route Particulars : Laying proposed 20" Ø (API 5L X65, PSLII, LSAQ) LPG Pipeline Across/Parallel various Roads from Mundra Ports to GAIL Receiving Station at Mithi Rohar Village in Dist.-Kutch.
4. The breakup of forest area required for laying LPG Pipeline.

Sr. No.	Description	Across/ Parallel	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	Asphalt Road (Mundra To GMB Port)	Across	14970.07	15010.11	40.04	1.5	61.02	0.0061	20" Ø Mundra Ports To Mithi Rohar LPG Pipeline
2	SH-46 (Mundra-Gandhidham)	Across	32829.27	32858.94	29.67	1.5	44.51	0.0045	20" Ø Mundra Ports To Mithi Rohar LPG Pipeline
3	NH-41 (NEW) (Mundra-Gandhidham)	Across	65287.9	65366.13	78.23	1.5	117.34	0.0117	20" Ø Mundra Ports To Mithi Rohar LPG Pipeline
4	NH-341 (Anjar-Bhachau)	Across	68825.33	68856.71	31.38	1.5	47.07	0.0047	20" Ø Mundra Ports To Mithi Rohar LPG Pipeline
5	NH-341 (Anjar-Bhachau)	Parallel	68856.71	76272.57	7415.86	1.5	11123.79	1.1124	20" Ø Mundra Ports To Mithi Rohar LPG Pipeline



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			Start	End					
6	NH-341 (Anjar-Bhachau)	Across	76272.57	76298.41	25.84	1.5	38.76	0.0039	20" Ø Mundra Ports To Mithi Rohar LPG Pipeline
7	NH-41 (Bhachau-Gandhidham)	Across	83211.62	83262.34	50.72	1.5	76.08	0.0076	20" Ø Mundra Ports To Mithi Rohar LPG Pipeline
<b>Total</b>					<b>7671.74</b>		<b>11508.57</b>	<b>1.1509</b>	

5. No. of villages affected : Nil

Authorized Signatory

  
  
Adani Ports & SEZ Ltd.

Place : .....

Date : .....