

**JUSTIFICATION REGARDING ALTERNATIVES EXAMINED FOR LINEAR PROJECT**

Alternatives Explored for Hassan to Cherlapalli (HCPL) LPG pipeline: <b>HCPL Project of Hindustan Petroleum Corporation Limited in Telangana State</b>		
<b>Description</b>	<b>Status of land</b>	<b>Area in Ha.</b>
Alternate-1	Forest	0.5769
Alternate-2	Forest	1.6597
Alternate-3	Forest	0.7204

**The other alternatives (Alternative-2 & Alternative-3) are being rejected on grounds of as follows: -**

- 1) Alternative 2 & 3 involves more forest area 1.6597 and 0.7204 hectares respectively to be diverted which is more than the alternative-1.
- 2) In Alternative -2 the pipeline will be in close proximity to the sensitive sanctuary area. Laying of LPG pipeline in the sanctuary sensitive area is technically not feasible involving safety of the pipeline.
- 3) The terrain in Alternative Route-2 and 3 is hilly where laying of pipeline poses several construction challenges.
- 4) Alternative -2 passes near to the area where most of the lands are non-agriculture land and pipeline cannot be laid in NA lands as per P&MP Act'1962.
- 5) Though the overall length (Forest area and Non-forest area) of the pipeline is more in Alternative-2 which increases the project cost.
- 6) Alternative -3 passes in close proximity to populated areas and most of the lands are also non-agriculture land; pipeline cannot be laid in NA lands as per P&MP Act'1962.
- 7) Number of railway crossings in Alternative route-3 are more (3 nos) in comparison to alternative -1 and 2.
- 8) Number of turning points (TPs) in Alternative 2 and 3 are more that needs bends etc which will add-on to the cost of the project.

Looking into the above, it is **imperative** for HCPL LPG pipeline passing in Telangana in Alternative-1 is more apt technically and safety in **comparison** to the other two alternatives viz., Alternative-2 and Alternative-3.

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