

Full Title Of Project: Rupnagar CGD Network (Anandpur Sahib- Kiratpur Sahib- Rupnagar- Chaklan Spurline)  
- Request for granting permission for laying of BPCL's underground 6"dia Steel & 125 mm dia MDPE Pipeline  
(Along with OFC Cable) along/across various location in Rupnagar District to develop City Gas Distribution  
(CGD) Network in Rupnagar & its surrounding Areas of Punjab State. (Total Area 7882 Sq m. i.e 0.7882 Hec.)  
On Line Proposal No. FP/PB/Pipeline/156144/2022

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## **CHECK LIST NO. 09**

### **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 respective route passes through various roads to provide Gas to **Domestic, Commercial and Industrial Units.**

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 **7882 Sq.mtr. i.e. Hectares 0.7882** of land as per enclosed **Annexure -7.**

#### **Factors considered**

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



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- 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 Bharat Petroleum Corporation Limited



Authorized Signatory

Rupnagar

Countersigned by :-

  
Divisional Forest Officer  
Rupnagar Forest Division,  
Office Seal .....