

**Laying of Proposed Guwahati-Panisagar Pipeline of 18" Dia Carbon steel Along with OFC Conduit
in the District of Kamrup(Metro), Assam.**

**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 Service provider **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 Open Forest Land, Reserve Forest Land and along/across various State Highways as mentioned herein above to implement North-East Gas Grid (NEGG) pipeline in Meghalaya from Guwahati to Panisagar for overall development of eight States. This project envisages investment of Rs. _____/- Crores. However, total project cost of Project is estimated Rs.9,265/-Crores. Thousands of domestic households will be getting the benefits of piped natural gas (PNG) supplies which includes thousands of vehicles in the North-East Region are getting benefit of CNG.

The Pipeline will be laid at minimum 1.2 meter below ground level and 1.00 meter width and/or as per the Directives/Norms of the Authority.

The pipeline will be passing through Forest land for about **47289.20** Sq.mtr. i.e. **4.7289 Ha** of land in in Kamrup East Division 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 Indradhanush Gas Grid Limited

Date: 1 / 2020
Place: Guwahati


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