

JUSTIFICATION FOR ROUTE SELECTION

In continuation of the requirement of Environment parameters, construction methodologies to be adopted for different terrain encountered enroute, design and engineering factors, availability of logistic support during construction and maintenance of the water pipeline, finally, after analysing the various data this route is found feasible and no other alternate except this for demanding forest land and hence the required forest land is requested to be granted for the purpose.

Factors Considered: -

- The Proposed DI drinking water supply Supply pipeline route has been finalized in such a way that only bare minimum forest land will be utilized
- This development project is planned based on demand and supply necessity and to connect Various villages of Gandhinagar taluka with adequate water supply to the public at large on their finger-tip.
- Compliance with forest & environment Regulations
- The water supply pipeline to be laid underground minimum cutting of tree.
- Safety of public and property.
- Shortest possible pipeline length.
- Minimum number of bends and minimum number of TPs.
- Favourable ground profile for pipeline hydraulics, .
- Accessibility to pipeline route during construction, maintenance in all seasons including monsoon and ensure uninterrupted operation 24 x 7.
- Location of pipeline facility and access thereto.
- Avoidance of mining protected and wildlife forest, archaeological, ESZ and other sensitive areas.
- Avoidance of unstable ground features.
- Minimizing road, rail, river and flood prone areas,
- Avoidance of rocky stretches
- Avoidance of areas reserved for planned future development
- Flexibility for future Expansion.



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District - Gandhinagar