

**MAP SHOWING ALTERNATE ROUTES WITH DIFFERENT COLORS AND JUSTIFICATION OF
SELECTION THE PROPOSED ROUTE (IN CASE OF LINEAR DIVERSION)**

The proposed pipeline passes through minimum **Baroi Reserved Forest** land for a length of 875 mtr. The route was selected based on least disturbance to environment, forests, human habitation and aquatic bodies. It avoids National Parks and Wild Life Sanctuaries. The map showing alternate routes with different colour is attached.

The selected route is optimized considering the above factors and connectivity between supply source and consumer location.

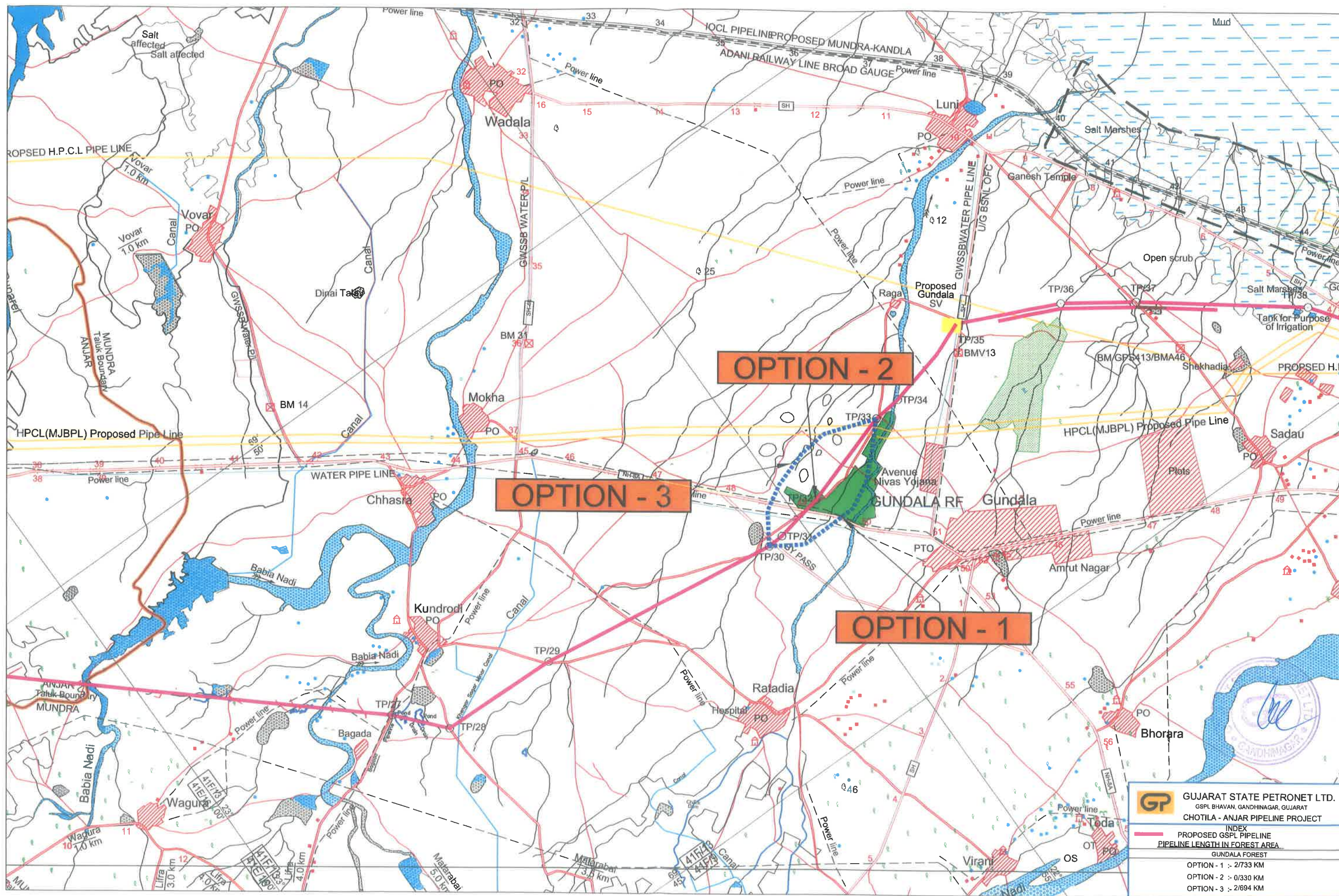
Location wise route justifications with comparison of 3 alternate routes are furnished below :

Option-1	<ul style="list-style-type: none"> • Pipeline passing through highly developed areas and very close to Mundra city, which is technically not feasible. • Pipeline also crosses existing HPCL pipelines at various locations.
Option-2	<ul style="list-style-type: none"> • Pipeline proposed avoiding highly populated area and also keeping a safe distance from Airport & Railway on other side. • Pipeline passes through minimum forest land for a length of 875 mtr.
Option-3	<ul style="list-style-type: none"> • Pipeline passes through Reserve Forest, for a length of 900 mtr. approx. • Pipeline passes very close to airport and Railway also required to be cross at a location • Pipelines also close to sea site, salt pan & CRZ area and alignment passes through muddy land areas. • As per the technical guidelines and PNGRB norms pipeline alignment should keep away as far as possible from the Airport and sea site.
Conclusion	Option-2 has been considered as final route.

For, Gujarat State Petronet Ltd



[Signature]
Rajesh Suhane
Sr. Manager (R&C)



**MAP SHOWING ALTERNATE ROUTES WITH DIFFERENT COLORS AND JUSTIFICATION OF
SELECTION THE PROPOSED ROUTE (IN CASE OF LINEAR DIVERSION)**

The proposed pipeline passes through minimum **Gundala Reserved Forest** land for a length of 330 mtr. The route was selected based on least disturbance to environment, forests, human habitation and aquatic bodies. It avoids National Parks and Wild Life Sanctuaries. The map showing alternate routes with different colour is attached.

The selected route is optimized considering the above factors and connectivity between supply source and consumer location.

Location wise route justifications with comparison of 3 alternate routes are furnished below:

Option-1	<ul style="list-style-type: none"> • Pipeline passes through maximum Reserve Forest area for a length of 2733 mtr. approx. • Pipeline passes very close to Khadi & Residential Area also.
Option-2	<ul style="list-style-type: none"> • Pipeline passes through minimum forest land for a length of 330 mtr.
Option-3	<ul style="list-style-type: none"> • Pipeline passes very close to existing HPCL (MJBPL) pipeline. • It also closes to maximum tree plantation & ditched area which is technically not feasible. • Pipeline across to National Highway & various underground utilities also.
Conclusion	Option-2 has been considered as final route.

For, Gujarat State Petronet Ltd



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