

Annexure-9

Name of Project: Diversion of **10.19 ha.** R.F. Land for construction of Barrage and approach road on Sabarmati River in Village: Hirpura, Ta. Vijapur, Dist. Mehsana.

Justification for Project

In consideration of the requirements of Environment Parameters, construction methodologies to be adopted for this terrain encountered en-route, design and engineering factors, available logistics support during construction, operation and maintenance of the structure, various feasible locations were identified based on desk study and relevant surveys.

The proposed location has been envisaged after various ground surveys/studies and frequent expert visits from Central and State Government finalizing optimum Reserve Forest Land and minimal tree cutting of merely 200 Trees.

- The proposed diversion is required for the reason that the alignment of the 19 gated barrage concrete structure is at appropriate depth more than 15 M.
- Site approved at various topographical survey by the Geologists and found to be technically and economically most feasible which will also have minimum financial implications to exchequer.
- The project is located at 75 Kms Downstream of Dharoi Dam, and no storage structure is located is between, hence a recharging structure is necessary in the region.
- The proposed project will be having water storage capacity of 3.46 MCM, which will improve ground water level.
- Entire population in command area of the project are mainly backward, economically weaker resort to cultivation and cattle-based economy for their lively hood.
- The area is having rain gauge stations in and around the catchment area. The surface flow during crop season can be utilized.
- Socio-Economic conditions of people in command area alarmingly poor without any industrial activity.
- Having maximum catchment area surrounded by ravines and covered by degraded forest.

Date: 20/9/21

Place: Visnagar



(Signature)

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