

Annexure – IX

Name of Project: Diversion of 0.093 Ha. Reserved Forest Land for the project of Providing irrigation water facility and filling various tanks of eastern belt of Panchmahal district Taluka Shahera, Godhra, Kalol and Ghoghamba by lifting water by pumping from Panam Reservoir Village:-Mahuliya, Ta:-Godhra, Dist:-Panchmahal In Gujarat State.

PROJECT NOTE FOR JUSTIFICATION FOR AREA SELECTION

Gujarat State is very well known for its progressive development both in Agriculture and Industrial sectors however, such development is limited to the South and Central Gujarat regions of the state, where water resources and power are adequately available. Eighty percent of surface water is available only in these regions, while other parts of the state frequently face the severe scarcity. These waters scare areas are under developed and possess severe problems of water availability for agricultural and for domestic water purposes. Even in north & central Gujarat region, there are certain pockets are also facing problem of water


Government of Gujarat has planned to provide irrigation water facility by filling various village ponds and M.I. tanks of the Shahera, Godhara, Kalol and Ghoghamba Taluka of Panchmahal District of Eastern belt. The surplus water available in Panam Reservoir is proposed to be utilized for this project.

- For this project, It is proposed to utilize approx.. 75 MCM surplus water is lifted from Panam reservoir in Khatif and Rabi season for 160 days as per calculation of fortnightly crop water requirements for proposed command area 35383.55 ha .
- Proposed discharge 5.44 Cumecs is considered to fill the 126 nos. village ponds and 11 M.I schemes. The 4 sets of pumping machinery with 1 stand by capable to total discharge of 5.67 cumecs ($5.44 \times 24/23$) with 85 m head is proposed for 23 hours.
- The village ponds as below are proposed to be benefited by the project.
- Village Pond - 86 villages - 126 Ponds
- M.I. Scheme - 11 villages - 11 M.I. Scheme
- New village pond - Additional villages - 09 ponds
- The water will be pumped from intake well in panam reservoir area and additional intake arrangement is also proposed to distribute water to various village ponds by pumping.
- Distribution Network is planned to feed the existing village ponds and MI schemes, off taking from distribution tank and submain lines are off taking from main lines. Total length of Distribution Gravity Main is 41.955 km and length of Sub mains are 216.458 km. Total length of distribution network with Mains and Submains are 258.413 km

Date :

Place : Godhra
Panam High Level Canal Sub Dn. No.4
Veganpur


Deputy Executive Engineer


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