

Brief Summary

On the basis of water availability, demand and other socio-economic factors, Maa Ratangarh Multipurpose project is designed to sustain all the possible uses for next decades. A 31.00 m high barrage is proposed to be constructed across sind river near seonda town of datia District. The estimated Gross storage of barrage is 252.23 MCM. The estimated regeneration on the basis of observed flow and actual measurement of flow on 3/2/2016 by director hydro metrology wing of BODHI is 410 MCM for non monsoon months (oct-may). The net availability is 560 MCM. In initial phase, it is proposed to irrigate 78484 hectares of land by efficient pressurized piped network to facilitate farmers with assured water and head for adopting micro irrigation techniques. The project ensures the use of micro-irrigation techniques (drip/ sprinkler) by the users by irrigate 78484 hectares of land.

The total submergence at full reservoir level is 3149.63 hectares, out of which 1211.90 hectares is forest land and 1302.79 hectares is private land and rest 634.94 Ha is Govt. Land. 766 Family of 8 no. Villages namely village Khamroli i/c Dheemarpura (368 Family), Medhapura (17 Family), Dhubhiai (211 Family), Jigania (13 Family), Barkari (157 Family), Nanat and Madhikheda (0 Family) are coming under submergence. Expected numbers of families needs to be rehabilitated are around 766.

The project is designed on the principles of integrated water resource management to maximize the water productivity. The project ensures multiple use of water like Irrigation, Power production, Drought mitigation, Subsistence (Drinking & domestic), Land reclamation, fisheries and tourism. The background study of soil, agro-climatic zone and ground water conditions helps a lot in selecting a suitable site for accurate and use huge regeneration.


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