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JUSTIFICATION FOR LOCATION OF WTP LAND

The current Project of Water Supply Scheme to Gamanahalli and other 13 villages of Shrirangapattana Taluk, Mandya District with Kaveri River as the source mainly has 3 components WTP, Headworks, Raising Main and Delivery line.

Headwork site has been located at Mahadevapura village, after considering various factors such as River Discharge, Section of the river, Soil Investigation, Elevation etc., Based on the Surveys conducted current site has been found to be most Efficient and no other locations fulfill above Criteria to be able to serve the requirements of the Headwork location.

Rising Main & Delivery line are been designed based on the best possible alignment and there is not any case of alternate location.

Water Treatment plant (WTP)(Non-Forest) of the main component of the project including Sub components like Aerator, Flash Mixer, Clarifloculator, Rapid Sand filter, Under drain system, and Pure Water Sump. These components like ZBT-1 & ZBT-2 are of GLSR type structure are most efficient under Flat land (Forest land) and connecting road for laying of pipeline (Forest land) also required to be located at the elevation so as to supply Water at sufficient head. The present location at BallekereVillage is most suited one and there isn't any alternate location which can fulfill all the above criteria for the efficient working of WTP.

Hence, Respective locations of Headworks, Raising main and WTP are most suitable as per the requirements of the current project.


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