

Justification for location of WTP land

The current project of water supply scheme to Navile, Thoreshettihalli and other 53 villages of Maddur taluk in Mandya district with Shimsha river as the source mainly has 3 components: wtp, headworks, Rising Main and delivery line.

Headwork site has been located at Hebberalu 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 fulfil 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) Is the main component of the project including Sub components like Aerator, Raw water channel, Sedimentation tank, Rapid Sand filter, Under drain system, Chlorination and MBT (GLSR). These components like MBT is 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 Siddegowdanadoddi village is most suited one and there isn't any alternate location which can fulfil all the above criteria for the efficient working of WTP.

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

Place: Mandya.

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Executive Engineer
RWS & S Division, Mandya
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R.D.W. & S Division,
Mandya-571401.