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KARNATAKA URBAN WATER SUPPLY & DRAINAGE BOARD

A Detailed Note Why the Alternative Alignments (Non-Forest) have been discarded in favour of the presently proposed (Forest) Alignment.:

A Comprehensive Drinking water supply scheme to Bhalki town including 23 enroute villages with Karaja Reservoir of Bidar district as source is administratively approved by the Government of Karnataka costing Rs.140.54 Crores vide G.O No.UDD/07/UWS/2017 Dated.31.05.2017. It is a general practice of the Board while formulating the water supply project to any town/city to propose the pipe line all along the Right of Way of PWD/NH roads. Accordingly the water supply scheme to Bhalki town and 23 enroute villages is proposed along the Major District Road No.6 from karanja dam to proposed WTP at Khatak Chincholi and State High Way No.75 from Katak Chincholi to Bhalki town which is the shortest route from water source to Bhalki town. There will not be 2-3 alignments available for laying main pipe lines.The alignment fixed as stated above is the shortest and technically and economically feasible. Under the scheme it is proposed to pump raw water through 559 mm dia. MS rising main from Jackwell at Karanja Reservoir to proposed 20.00 MLD Water Treatment Plant in Sy. No. 178 of Khatak Chincholi Village,Bhalki Taluka, Bidar Division and District to feed treated water to all Over Head Tanks of Bhalki Town and 23 enroute villages through DI pipes by Gravity only.The minimum GL required to feed treated water by Gravity is RL 646.00 M.The average ground level at Forest land is RL 646.90 M.

In this connction, **alternative lands for construction of 20 MLD Water Treatment Plant are examined as shown in the sketch enclosed. The details are as follows:**

S No.	Alternative Location of Land(non forest) for Construction of 20 MLD WTP.	Ground Level	Remarks
1	Near Tugaon village	RL 583.35 m	The Minimum GL required to Feed water by Gravity is RL 646.00 M. Hence the proposals @ S.No. 1 to 4 are not feasible and hence discarded.
2	Near Chalakapur village	RL 596.57 M	
3	Near Katak chincholi village	RL 606.78 M	
4	Near Yankura village	RL 593.90 M	

Hence, It is proposed to construct a 20 MLD Water Treatment Plant in Sy.No.178 of Khatak Chincholi Village Forest land having Average RL 646.90 M. to feed pure water by Gravity to all Over Head Tanks of Bhalki Town and 23 enroute villages which saves energy, man power, cost of maintenance and **uninterrupted drinking water supply** can be maintained to **Bhalki town** and 23 villages.

Hence the site proposed for the construction Water Treatment Plant in Sy.No.178 of Forest land of Katak Chincholi village is technically suitable and economically viable. Also the proposed site is enevitable for the construction of proposed WTP.

Date:14.02.2019
Place: Bidar

Surveend
15/02/19
Executive Engineer
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