

Cauvery Neeravari Nigama Niyamita

(A Govt. of Karnataka undertaking)

Office of the Executive Engineer
HRBC Division
Holenarasipura-573211



Tell: 08175-273238

e-mail: eehrbchnp@gmail.com

JUSTIFICATION OF ALIGNMENT

Name of Work: Scheme to lift water from Hemavathy river near Mavinakere village of Holenarasipura taluk to fill dry tanks in Dudda hobli & Shanthigrama hobli of Hassan taluk & Halekote hobli of Holenarasipura taluk, Hassan district, Karnataka State. (Stage-II)

This is certified that, the proposed alignment of Raising Main & Gravity Main passing through forest area & the peak point location of Delivery Chamber is essential to distribute water to the tanks/katte near forest area. In this regard, there is no other alternative & hence the proposed alignment is essential and justified.


Executive Engineer
CNNL, HRBC Division,
Holenarasipura.

ALTERNATIVE ALIGNMENTS



1:40,000

ALTERNATE-2

PROPOSED ALIGNMENT

ALTERNATE-1

This is Peak Level (Ridge)
we provided DC to fill all the dry Tanks in
Shantigrāma Hobli Tanks by Gravity

DC
FSL : 995.300m
Lat: 12°58'8.728"N
Long: 76°11'57.327"E

Proposed
Jack Well / Pump House
Lat: 12°56'4.679"N
Long: 76°11'18.004"E

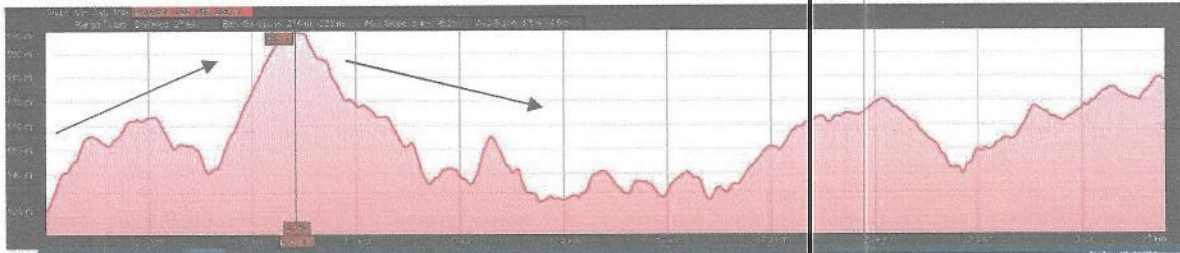
Legend

- ALTERNATE-1
- ALTERNATE-2
- PROPOSED ALIGNMENT
- Existing Forest Boundary

Assistant Executive Engineer
No. 3, HRBC, Sub-Division
HOLENARASIPUR - 573 211

Executive Engineer
CNRL, HRBC Division
HOLENARASIPUR - 573 211

PROPOSED ALIGNMENT



- I. In Proposed Alignment there is a Raising Main and Delivery Chamber at RL of 995.300m
- II. From DC location all the alignment will be flow by gravity up to the tanks location
- III. As we shown in the above Alignment profile there is a peak level marked in that location DC is proposed that is forest area
- IV. Existing forest area is in peak (Ridge) area which is dividing Holenarasipura Hobli and shantigrama hobli
- V. For providing the shantigrama hobli tanks DC should be locate in the peak area
- VI. Here the peak location is in forest area and alignment is all along the existing Major district road Connects from Holenarasipura to Shantigrama (NH-75)
- VII. The proposed alignment in on existing road shoulder
- VIII. This is pipeline based alignment pipes will be under the ground about 3 meters below the ground
- IX. As we submitted overall network map all the dry tanks will be filled from proposed DC by gravity mode all the tank levels FTL are less than the DC level
- X. Main Alignment Length is 21.00 Km

Alternate Alignment -1



- I. To fill the entire proposed dry tank there should be a peak level in the alignment which we can propose Delivery chamber and further we can provide the gravity bleeders and sub main up to tanks but in the in ALT-1 Alignment there is proper peak level to propose Delivery chamber .

- II. The proposed Raising main which is runs from pumping mode that should be end at deliver chamber
- III. Alignment is passing in the lower level (Elevation) to the proposed tanks in this case we can not Fill all the proposed dry tanks
- IV. Alt-1 alignment is passing through the village settlement area
- V. Main Alignment Length is 28.00 Km

Alternate Alignment -2



- I. To fill the entire proposed dry tank there should be a peak level in the alignment which we can propose Delivery chamber and further we can provide the gravity bleeders and sub main up to tanks but in the in ALT-2 Alignment there is proper peak level to propose Delivery chamber .
- II. The proposed Raising main which is runs from pumping mode that should be end at deliver chamber
- III. Alignment is passing too far from the proposed dry tanks to avoid the forest land acquisition The Alignment is passing through in different watershed which not in the proposed tanks watershed boundary
- IV. Alt-2 alignment is passing through the village settlement area
- V. Crossing major roads and Railway many times
- VI. Main Alignment Length is 30.00 Km

Assistant Executive Engineer
No. 3, HRBC, Sub-Division
HOLENARASIPUR - 573 211

Executive Engineer
CNNL, HRBC Division
Holenarasipura-573211