

**Office of the Executive Engineer,
Rural Drinking Water and Sanitation Division, Mandya**
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No:EE/RDW&SD/MDY/GAMANAHALLI/MVS/2021-22/ **Dt:**

JUSTIFICATION REPORT

- The objective of the Project is to provide Potable Drinking Water on sustainable basis to the Gamanahalli and other 13 villages of Srirangapatna Taluk, Mandya District in Karnataka.
- The Srirangapattana Taluk as of 2011 year Census having Population of about 122923 spread over 21 Gram Panchayats (GPs) comprising 117 Habitations. Out of these habitations 14 Habitations (2 GPs) suffers from insufficient supply of water due to dwindled of Bore Well source.
- The current endeavor is to provide Drinking Water Supply to these 2 Gp's comprising of 14 habitations.
- The project Hydraulic Design is based on taluk overall Ground profile and Topographical survey.
- The source for the project is Kaveri River (GL:664.24)(MSL) from there Raw Water is pumped for treatment near Ballekere village from there Pure Water is distributed Zone-wise to the proposed 14 habitations of the Shrirangapattana Taluk.
- The total Area is divided into 2 Zones to cover 14 Habitations of the taluk.
- Based on the Topographical Survey, Pure Water is to be pumped to the Elevated location, so as to convey the Water by gravity to the longer Distance.
- Now, proposed ZBT-1(Outlet) is 793.00m(MSL) and ZBT-2(Outlet) is 753.00m(MSL) are elevated locations which will cover around 14 habitations. So the proposed locations (Forest land of SY.No.98 of Ballekere village) are very crucial for the project.
- And also the design and pipe line networks complete is vetted by the well known Hydraulic experts and approved by the Competent Authority.
- If the proposed location (Forest land of SY.No.98 of Ballekere village) is avoided the project Pure Water pumping head will increase so that energy cost will get increase and also it increases the maintenance cost in Pipeline apparatus.
- The Proposed Project intends to achieve drinking water supply to habitations like Gamanahalli and other 13 Villages which are totally dependent on underground water sources (Borwell), The water supply become acute in Summer season.
- Hence the project assumes greater significance in achieving sustainable source for supply of ensured clean water, which inturn contributes to fulfillment of good health and well being.

The proposed location is selected based on the Technicality and Economical Feasibility for the project, and there is no other alternative locations to meet the above requirements, hence, we are justifying the proposed location for allotment.

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