



KARNATAKA NIRAVARI NIGAM LIMITED
(A GOVERNMENT OF KARNATAKA ENTERPRISE)

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No./EE/KNNL/BCD/No.5/DVG/AE-2/BLIS/2808/2019-20

Dtd: 20.03.2020

JUSTIFICATION LETTER

Sub: Request for forest land clearance for Survey, Investigation, design, Supply, Installation, Testing and Commissioning of Lift Irrigation system (Head Works consisting of Intake canal, Jack well cum pump house, Power supply including substations and Transmission lines, Rising Main and Delivery chamber etc) and Construction of Gravity Distribution System including structure for providing lifting of water from Tungabhadra River near Halasabalu village to fill 33 (39tanks) tanks in Baramsagara hobli of Chitradurga taluk of Chitradurga District including Operation and Maintenance for a period of 5 years after successful commissioning on Turn-Key Basis for **BARAMSAGARA LIFT SCHEME.**

With reference to the above subject, the project of drinking water supply has been started by the Karnataka Neeravari Nigama Limited, Government of Karnataka, with a good intention of supplying water from Tungabhadra River to fill 42 Tanks of Baramsagara hobli through new MS pipe line of Baramsagara Lift irrigation scheme.

The main aim of the project is to supply drinking water to the drought hit areas of Chitradurga region and recharge of ground water tables. It is proposed to pump water from Halasabalu pump house, through raising main of 56 Km long and delivering the same into to fill 42 tanks in Chitradurga Taluk. The proposed alignment passing through in the approximate forest area of 0.789 Hectares. The Rising main pipe lines to be laid in the forest area belongs to survey no.130, 131 &132 of Anagodu village, Anagodu Hobli, Davanagere district, to connect the Baramsagara tank and for further distribution to the proposed tanks to be filled in Chitradurga District.

Our proposed alignment is passing through the Anagodu forest land parallel to National highway. We inspected alternative ways and those alignments found to be very populated area, so it requires many families to rehabilitate and also length of the alignment will be more. Alternative alignments are technically not feasible as there has to be many bends in pipe line which leads to drop in velocity & discharge of water. Also bends are the weakest points where there is chances of pipes getting damaged as the water will be pumped at high pressures. So always in practice pipe bends are avoided in Raising mains. Even the rehabilitation will take long time and will affect many families. Along this now proposed alignment, the friction losses are very less and efficiency of pumping capacity is increased, which helps in taking the water to the drought prone areas of Chitradurga taluk.

In this alignment only we get required head to fill 42 tanks. This is the only alignment which passes through the Anagodu forest lands is most suitable which can deliver required quantum of water to fill proposed 42 tanks economically.

However, it will be well ensured that, less flora and fauna is disturbed at this location during construction of pipe laying activities.

In continuation to above matter, as there are no such alternate alignment nearby in survey line of this project, it is quite worth and justified location for laying of MS pipeline and successful operation of the Baramsagara Lift Irrigation Scheme.

With best Regards,

Executive Engineer

KNNL, No.5, Bhadra Canal Division

Davanagere.