

## JUSTIFICATION REPORT

### Water Supply Improvement Scheme to Musiri Town Panchayat in Trichy District

Musiri Town Panchayat does not have sustainable ground water potential. The water served from the existing 3 Nos. of infiltration well. Yield in the existing 3 Nos. of infiltration well reduced considerably due to sand mining. The connecting main below river bed level were washed away during recent floods in August 2013. Hence, all the three existing infiltration wells are not in use. At present, water supply to Musiri Town Panchayat is being effected by the Town panchayat by digging two baby wells on the river bank. Raw water with some preliminary treatment is supplied at present. The wells would dry up when the flow is reduced in the river coarse.

In order to provide a better level of water supply to the areas the water supply Improvement scheme is designed for the base year 2016 and the intermediate and ultimate stage years are 2031 and 2046. The detailed project report has been Administratively sanctioned for Rs. 21.07 Crore to install and Rs. 47.80 Lakhs for annual maintenance in G.O Ms No. 27/MA&WS(WS3)/Dept/ Dt. 10.02.2016.

The source for the water supply scheme is located in River Cauvery at Seventhalingapuram .Sufficient yield is identified only at this location .The proposed alignment for construction of Foot Bridge for taking the pipe line from Collector well to the Service Reservoirs passes through Ayyampalayam Reserve Forest An area of 1600 Sqm of Forest land in SF No 331/1 of Seventhilingapuram village in Trichy District required for the above works.

The details of SF No and Reserve Forest Land are as follows

SF .No	Length and Width	Area in Sqm
331/1	160 m length – 10 m width	1600

It is hereby certified that after considering all alternatives, this is the only land found to be feasible alignment for the proposed work and that the required area is the minimum need for this purpose .Thus this land is absolutely essential for the proposed work.

Executive Engineer, TWAD Board

Urban Division/ Trichy

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