

# TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

Office of the Executive Engineer,  
TWAD Board, RWS Division,  
Cuddalore.

## JUSTIFICATION OF THE SCHEME

**Name of the Scheme:-** Combined Water Supply Scheme to Thittakudi, Pennadam, Mangalampettai, Vadalur, Kurinjipadi and Gangaikondan Town Panchayats and 625 Rural Habitations in Managalore, Nallur and Virudhachalam Unions of Cuddalore District with NLC mine water as Source.

The main scope of the proposed CWSS is to supply drinking water to Thittakudi, Pennadam, Mangalampettai, Vadalur, Kurinjipadi and Gangaikondan Town Panchayats and 625 Rural Habitations in Managalore, Nallur and Virudhachalam Unions of Cuddalore District with NLC mine-II water is taken as source.

The raw water collected from the mine – II is to be proposed to treated at Head works Keelvalayamadevi.

The treated water is to be collected in the collection sump at Head works.

From the collection sump water is to be pumped to various capacity of sump through various sizes of pipe 800 mm DI pipe to 100 mm DI pipe for a length of 251.87 Km and 250 mm HDPE pipe to 63 mm HDPE pipe for a length of 481.57 Km. From the booster sump and group sump water is to be supplied the beneficiaries.

In this pipe line reach 1500 m length of pipe to be laid in the forest land in between Virudhachalam to Jayankondam road near Karuveppilankurichi. There is no alternate alignment or reroute are not available in this alignment to avoid forest land to complete the scheme. Hence Tamilnadu Water Supply and Drainage Board has proposed to lay the pipeline in the forest land. The approximate area required for laying of pipeline in the forest land is 0.12 hectares.

Hence necessary permission may please be requested to lay the pipeline in the forest area, so as to complete the scheme in the targeted period and provide safe drinking water supply to the beneficiaries.

*[Signature]*  
18/6/2024  
Executive Engineer / TWAD Board  
Project Division / Cuddalore