

KERALA WATER AUTHORITY



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From

Executive Engineer

To

Deputy Chief Engineer PIU II
CCU building ,Jalabhavan
Kerala water authority
Vellayambalam.
Thiruvananthapuram

Sir,

Sub: Augmentation of WSS to Kollam corporation - Laying raw water pumping main with 1219mm, 12.50mm thick MS pipe for length of 16035mts. and 10mm thick MS pipe for a length of 12095mts. from intake well at Njankadavu to WTP at Vasoorchira – **appeal against rejection of application for special sanction from Central Ministry for getting road cutting permission for a length of 1052m along Kollam - Theni NH 183 from chainage 12.648 to 13.700 reg**

Ref: 1) Application for Road cutting permission dated 23/11/2020.
2) Lr F No. RW/TRI/Utility/55/2019-20 dated 30/05/2022(Rejection Letter) from MoRTH
3) Online review meeting by MD,KWA dtd.07.06.2022

Vide ref no.3 it was directed to *appeal against* application rejected by MoRTH regional office Trivandrum vide Ref (2) for special sanction from Ministry of Road Transportation and Highways for laying pipe line from (Chainage 12/648 to Chainage 13/700) Nanthirickal to Elampalloor stretch of Kollam-Theni Highway NH-183 and may report as follows.

1. **Name of Work:** Augmentation of WSS to Kollam corporation - Laying raw water pumping main with 1219mm, 12.50mm thick MS pipe for length of 16035mts. and 10mm thick MS pipe for a length of 12095mts. from intake well at Njankadavu to WTP at Vasoorichira

“Augmentation of water supply scheme to Kollam Corporation” is the major water supply scheme intended to provide potable water to the entire population of Kollam Corporation in Kerala state. The present water supply to Kollam corporation is providing @40 lpcd against the standard requirement of 150lpcd. The source of existing scheme is depleting at alarming rate and hence augmentation of the scheme was inevitable and hence the project.

2. Brief Description of scheme

The source of the scheme is an 12 m dia open well on the Bank of Kallada river and water is conveyed to a 100MLD WTP at Vasoorichira in Kollam Corporation by using raw water pump sets of capacity 1950HP through 1219mm M.S Pipe for a length 28.130km. After treatment, water is conveyed to different service reservoirs by using clear water transmission mechanism consists of both pumping and gravity mains for a length of 13.62 Km consists of M.S and DI pipes and is intended to be distribute through existing distribution system. Nearly 70 Percentage of the scheme is completed and most of the component of the scheme are either completed or on the verge of completion.

The raw water pumping main from intake to water treatment plant of length 28.13km consisting of 1219mm dia M.S pipe. The above pipe has to be laid along various PWD roads, Panchayath, Jilla Panchayath, National Highways and to cross Kollam- Madurai railway track. **Out of 28.13km nearly 26.80 km are completed including railway track crossing and remaining length left is 1.33 Kms out of which is the length of 1052m (Nanthirical – Elampalloor) for which road cutting permission is required from Morth along Kollam-Theni highway (NH-183) between chainage 12/648& 13/700 and presently stands rejected.**

3. Benefitted Population.

Even though “ Augmentation of water supply scheme is intended for benefitting a population of 411336 of Kollam Corporation ,later the demand of Kottamkarapanchayth adjacent to Kollam Corporation is also included. Thus the benefit of the scheme is extended to a population of 47456 in KottankaraPanchayth.

Being experiencing acute scarcity of potable water and absence of a reliable source, four more panchayths are further added andthus Water demand of “ WSS to Panayam, Perinad, Thrikkaruva and MurothuruthPanchayths” is to be met from the above scheme . Thus a population of nearly 99000 are also benefitted .

Thus the project benefits 5.58 lakhs of people- 4,11,336 souls in Kollam Corporation and 1,46,456 souls across 5 grama panchayaths (throghu the prestigious Jal Jeevan Mission scheme of Governement). Thus the denial of permission will cause denial of life sustaining potable drinking water to more than five lakh people in the state of Kerala.

4.0 Schemes affected.

Due to denial of the Permission , the following schemes are affected.

- 1) AWSS to Kollam Corporation- Phase I taken up Under AMRUT.
- 2) JJM- Augmentation of Water supply scheme to Kottamkara Panchayth.
- 3) JJM- Water Supply scheme to Perinad, panayam, thrikkaruva and Munrothuruth
- 4) AMRUT.2.0. Improvements of Water supply in Kollam Corporation.

It may noted that AMRUT and Jaljeevan mission are the flagship projects funded by Government of India and is carried out under mission mode to provide universal coverage of potable water to entire population of India by March 2024.

5.0 Value of the project and Expenditure incurred.

The Project is executed with financial aid of 104.43 Crore from AMRUT (Central Govt. scheme) and 235 Crore state fund (KIIFB). The total project out lay of the scheme is Rs. 339.43 cores. It may also be noted that an amount of Rs 172 Crores are already made towards expenditure towards the construction of various components.

In addition to the above, JJM projects worth Rs 165 Crores are progressing in the state which also depends on the above permission .

6.0 .Details of alternate Route

As per the original alignment, the above pipe line passes through NH 183 from Ch 13/700 to 16/180 for which sanction has already accorded by MoRTH. Accordingly Kerala Water Authority had laid pipe in the above reach and completed the road restoration. After this reach, earlier it was proposed to lay pipe through Perinad panchayath road parallel to railway track. The railway authorities demarcated their land boundary and the panchayath road has now become the property of railway. Hence railway permission for laying pipe parallel to railway track for a length of 930 m is required. As per railway rule. The above pumping main is to be laid through a casing pipe dia 1400 mm and has to be provided with 1200 mm size huge sluice valves at every 100m. Being the huge size of pumping main, the above proposal cannot be practically implemented at site and hydraulically not feasible .*Eventhough "Augmentation of water supply scheme to Kollam Corporation " was intended for Kollam corporation , the demand of 5 more panchayths benefitting more than one lakh population were added later under centrally sponsored JalJeevan Mission. Hence slight deviation in alignment through NH 183 became mandatory for providing water supply facilities to the above mentioned severely drought prone five panchayaths in Kollam district such as Perinad, Thrikkaruva, Panayam, Munrothurith, Kottamkara.*

7.0 Application History

Considering the above facts application has been forwarded to NH authorities on 23.11.2020 Ref (1) and on continues follow up it was directed to resubmit the application with No objection certificate from BSNL, KSEB etc. The same was resubmitted on 5/07/2021. Even though resurfacing and strengthening works were arranged by NH authorities, the above stretch of road was kept pending for nearly 11 months, So that the same can be carried out after laying pipeline. But on 11.09.21, the retarring of the above stretch of road was carried out. On further enquiry it came to know that MoRTH was rejected the proposal for laying 1219mm MS raw water pumping main through above stretch.

In a meeting convened by Hon'ble Kollam Loksabha MP Sri N.K. Premachandran, the MoRTH representative informed that Special Sanction is required from Government of India for laying the pipe as the resurfacing works are completed. Accordingly application was resubmitted with relevant details to MoRTH regional office Thiruvananthapuram on 10/02/2022 through NH authorities.

Hence revised application was submitted with relevant documents to NH authorities on 11/02/2022 and the same was forwarded to MoRTH on 19/05/2022. Morth Vide Ref (2) was rejected the application on 30/05/2022. Hence I am submitting this appeal for your good office consideration.

- 1) The inhabitants of Kollam corporation and five more panchayths constituting a population of five lakh can be provided with life sustaining potable water.
- 2) JalJeevan Mission is the prestigious drinking water mission announced by Hon'ble Prime Minister of India for providing drinking water to every house hold in India with target of 2024 and the implementation is getting badly affected due to denying road cutting sanction.
- 3) The major project AWSS to Kollam Corporation is also carried out under AMRUT- funded by Government of India.
- 4) KWA shall take necessary responsibility for restoration of the above stretch of road as per specification for MoRTH and defects in the DLP period will be carried out by KWA.
- 5) The Kollam – Theni state highway later designated as NH 183 in 2011 and is comparatively new. There is limitation in width of the Road and the development of the above road is under consideration. Due to Narrow width, the various service lines are passing through the tarred portion of the Road surface. The proposed pipe is of 1219 mm dia and hardly 0.9 m berm is available not only in the proposed alignment but also for the most part of road alignment. There is no alternative route rather than cutting the Tarred surface for laying Pipe.

- 6) Considering the fact that was granted earlier permission for road cutting in same NH from chainage from 13/700 to 16/180, We request to consider the balance stretch for laying pipes. Kerala water authority will ensure safety during execution and take responsibility in carrying out the road restoration work.

Hence for the proper completion and commissioning of the project, NH and MoRTH sanction is mandatory and inevitable for laying pipe through the above stretch of road. I request further necessary action may be taken at the earliest for getting **specialsanction from Transport ministry of Government of India** at the earliest.

Yours faithfully,

Executive Engineer.

Attachments:

1. Rejection letter ref(2)
2. Drawings and Route Map
3. Photos and Videos
- 4) Copy of agreement
- 5) NOC from BSNL, KSEB