

A BRIEF NOTE ON THE PROJECT

Name of the Project : LAYING OF 1500MM DIA. M.S. WATER SUPPLY PIPELINE
ALONG NH- 4B FROM MBR VAHAL TO KALAMBOLI
JUNCTION.

Taluka : PANVEL

District : RAIGAD

Total Area : 1.3359 Ha.

Forest Area : 0.4005Ha.

INTRODUCTION:

CIDCO was appointed as a New Town Development Authority in the year 1970 for Navi Mumbai. Government acquired the land from 95 villages and handed over to CIDCO for development of town. CIDCO developed 14 nodes in Navi Mumbai, to decongest the mother city, Mumbai. Navi Mumbai International Airport, Suburban Railway corridors and inland passenger water transport system in Navi Mumbai are being developed for increasing connectivity between the towns, nodes and mega establishments. Drinking water is a basic necessity of a township. Due to increasing need for supply of water to the increasing population in the various nodes, there is desperate need for alternative to overcome this problem. The construction of water pipeline along the existing road has relatively low development time, cost, low operation and maintenance costs, and minimal impact on the environment. The project would benefit residents of Navi Mumbai.

CIDCO has laid 50Kms length of 1200/1500mm dia PSC/MS pipeline from hetawane dam to Nerul Master Balance Reservoir (MBR) under hetawane Water Supply Scheme. The scheme was successfully commissioned in the year 2002. At present, CIDCO is getting 100MLD water from Hetawane dam and the same is being supplied to Navi Mumbai, Dronagiri, Kharghar and 68 enroute villages along the alignment of the pipeline. CIDCO has now envisaged providing and laying of 1500mm dia MS gravity pipeline from Main Balance Reservoir (MBR) at Vahal to kalamboli junction for water supply to upcoming nodes of New Panvel, Kamothe, Kalamboli,

Karanjade, Pushpaknagar, Airport etc. It is proposed to take up the work of laying of 1500mm dia MS gravity pipeline from MBR Vahal to Kalamboli junction to make arrangements to feed the entire area of Kalamboli, Khanda, Kamothe and New Panvel from Hetawane water supply scheme. The water will be used for domestic purpose only.

The total length of the pipeline in the proposed project is 12.50Kms out of which 1.335Kms passes through the mangrove area. The project cost of ' LAYING OF 1500MM DIA. M.S. WATER SUPPLY PIPELINE ALONG NH-4B FROM MBR VAHAL TO KALAMBOLI JUNCTION' being assumed by CIDCO is Rs. 82 crores The project will generate employment of 2700 mandays in construction phase and 4 mandays/ day in operational phase.

LOCATION:

The Diversion of 0.4005 Ha.of forest land for laying of 1500mm dia. M.S. water supply pipeline along NH 4B from MBR Vahal to Kalamboli in Village-Vadghar and Panvel, Taluka-Panvel District-Raigad of Maharashtra project is located on all along the East side of NH-4B and West side of Old Panvel. The site location is shown in Map enclosed.

The villages surrounding the proposed area are:

North : KalamboliVillage

East : Panvel

South : Vadghar village.

West : Panvel Creek

EXTENT OF LAND REQUIRED:

The proposed land is mostly covered with stunted mangroves on the fringes of the Thane creek, The proposed area falls in the Gat/S.Nos. 654,487,488,789,654,531 of Panvel and 132PT, 133PT, 134PT,137PT,159PT in Village Vadghar in Taluka Panvel, District Raigad. The Total area of the project is 3.05 ha and the forest area required is 0.4005ha. The area is acquired and possessed by the CIDCO.

DETAILS OF THE PROJECT:

Construction of foundation of RCC piles at 6 meter centre to centre. The piles will be driven below ground level. The pipeline will be laid approximately 1m above ground level over a RCC chair. The 1500 mm dia pipeline is made of steel with epoxy coating externally. Though there is no direct loss of mangroves during construction of pipeline, maximum care shall be taken to avoid impacts on mangroves in close proximity. Natural water flow in mangroves shall not be obstructed. Construction debris and other municipal as well as hazardous waste shall not be dumped in mangrove areas.

Authorised Signatory
For CIDCO

Santosh S. Ombhase
Executive Engineer (W/S-II)

Place: C.B.D Belapur

Date : 23/2/2017

JUSTIFICATION FOR LOCATION OF THE SITE IN FOREST AREA:

The project is a linear project. We have proposed the pipeline alignment along the existing roads to minimize the required forest land. The project is site specific irrespective of the land classification. As per the hydraulic design and the topography of the area the proposed location is much more essential. Due to increasing need for supply of water to the increasing population, there is desperate need for alternative to overcome this problem. The construction of water pipeline along the existing road has relatively low development time, cost, low operation and maintenance costs, and minimal impact on the environment.

The Project was approved by Board of directors of CIDCO 07.05.2008.

MoEF, New Delhi vide letter no. 11-95/2012-1A-III dtd. 15/03/2013 granted CRZ clearance for the construction of water supply structure on Gadhi river Panvel, Navi Mumbai. As stipulated in specific condition 5 (i), Necessary permission of Hon'ble. High Court for the project is obtained vide order dated 10th July 2015.

The project cost of water pipeline project being assumed by CIDCO is Rs. 82 crores. The project will generate employment of 2700 mandays in construction phase and 4 mandays/ day in operational phase.

The area of the entire project is 1.3359 Ha. It has been observed by CIDCO that some patches of forest land to the extent of 0.4005Ha is also included in the project. As there is no alternative route available to avoid the forest land, the said land is inadvertently included in the Project.

And finally, the route with lowest requirement of non forest and forest land has been finalized. The forest land to be diverted for the project, does not harbor any rare or endangered flora and fauna species. The entire project is supported on piles.

Efforts were made to exclude the Forest land, however, due to the shape, size and location of the forest land pockets along the layout of the project, it was decided to

include the mangrove lands in the project. Hence, there appears no option but to include the 0.4005Ha forest land in the layout. Considering unavoidable circumstances, CIDCO was constrained to submit a proposal for diversion of Forest land.

Authorised Signatory
For, CIDCO

Santosh S. Ombhase
Executive Engineer (W/S-II)

Place: C.B.D Belapur

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