


Justification for location of the project in forest area


The Telangana Drinking water project (TDWSP) is intended to provide safe drinking water to every habitation at a service level with 100 lpcd at household level from a sustainable surface water source. As a part of the project, it is proposed to provide safe drinking water to 1 Mandal of **Mulugu Constituency** from Godavari River, Ramnagar(V) of Eturnagaram Mandal as raw water source.

The work "**TELANGANA DRINKING WATER SUPPLY PROJECT for Laying of Pipe line for Providing Safe Drinking Water in Mulugu Constituency of Warangal District- Mangapet Segment 20/2**" All possible alternate routes for laying of pipelines have been examined to cover all the habitations in the **Mulugu Constituency** in Warangal District. As per the Hydraulic Designs and Topography of the Area the proposed locations are very much essential for laying of pumping main, gravity mains and there is no other possible alternative alignment.

Cost of the Project: Administrative sanctioned for Rs.50.00 Crores
(Godavari sub segment)


Superintending Engineer
TDWSP Circle, Warangal

"Counter Signed"


Chief Engineer
TDWSP ,Hyderabad

Location wise Justification in the Forest Area (SET-1)

FOR THE WORK "TELANGANA DRINKING WATER SUPPLY PROJECT for Laying Pipe Line and construction of other structures for providing safe Drinking Water in Mulugu Constituency of WARANGAL DISTRICT MANGAPET SEGMENT-20/2."

Sl. No	Set No	Division	Reserve forest Name	Area proposed for diversion in Hectares	Justification	Remarks
1	1	Warangal North	Eturnagaram	0.066	The proposed pipeline comes under segment 20/2 of TDWSP (Telangana Drinking Water Supply Project). Part of pipeline is proposed from Kamlapur WTP to Mallur Gutta(350mm dia Pipe line, which falls under Eturnagaram Reserve Forest for a length of 438.176 m and with a trench width of 1.5 m and the total area required is 0.066 Hectares. There is no other alternate alignment to propose the pipeline as the ground levels are not permitting as per Hydraulic design. Proposed Reach is only the feasible alignment.	NOC will be obtained and submitted from R&B Dept.
2	1	Warangal North	Eturnagaram	0.320	The proposed pipeline comes under segment 20/2 of TDWSP (Telangana Drinking Water Supply Project). Part of pipeline is proposed from Komatipally X to Thondyal Laxmipur village(125mm dia Pipe line, which falls under Eturnagaram Reserve Forest for a length of 2909.077m and with a trench width of 1.1 m and the total area required is 0.320 Hectares. There is no other alternate alignment to propose the pipeline as the ground levels are not permitting as per Hydraulic design. Proposed Reach is only the feasible alignment.	NOC will be obtained and submitted from PR Dept.

Location wise Justification in the Forest Area (SET-2)

FOR THE WORK "TELANGANA DRINKING WATER SUPPLY PROJECT for Laying Pipe Line and construction of other structures for providing safe Drinking Water in Mulugu Constituency of WARANGAL DISTRICT MANGAPET SEGMENT-20/2."

Sl. No	Set No	Division	Reserve forest Name	Area proposed for diversion in Hectares	Justification	Remarks
1	2	Warangal North	Eturnagaram	0.310	The proposed pipeline comes under segment 20/2 of TDWSP (Telangana Drinking Water Supply Project). Part of pipeline is proposed from Cherupally X to Narsaigudem(90mm dia Pipe line, which falls under Eturnagaram Reserve Forest for a length of 3440.787 m and with a trench width of 0.9 m and the total area required is 0.310 Hectares. There is no other alternate alignment to propose the pipeline as the ground levels are not permitting as per Hydraulic design. Proposed Reach is only the feasible alignment.	NOC will be obtained and submitted from PR Dept.
2	2	Warangal North	Eturnagaram	0.054	The proposed pipeline comes under segment 20/2 of TDWSP (Telangana Drinking Water Supply Project). Part of pipeline is proposed from Cherupally X to Narsaigudem(90mm dia Pipe line, which falls under Eturnagaram Reserve Forest for a length of 603.316m and with a trench width of 0.9 m and the total area required is 0.054 Hectares. There is no other alternate alignment to propose the pipeline as the ground levels are not permitting as per Hydraulic design. Proposed Reach is only the feasible alignment.	NOC will be obtained and submitted from PR Dept.
3	2	Warangal North	Eturnagaram	0.085	The proposed pipeline comes under segment 20/2 of TDWSP (Telangana Drinking Water Supply Project). Part of pipeline is proposed from Ballannagudem X to Neeladripet village(63mm dia Pipe line, which falls under Eturnagaram Reserve Forest for a length of 939.625 m and with a trench width of 0.9 m and the total area required is 0.085 Hectares. There is no other alternate alignment to propose the pipeline as the ground levels are not permitting as per Hydraulic design. Proposed Reach is only the feasible alignment.	NOC will be obtained and submitted from PR Dept.

Location wise Justification in the Forest Area (SET-3)

FOR THE WORK "TELANGANA DRINKING WATER SUPPLY PROJECT for Laying Pipe Line and construction of other structures for providing safe Drinking Water in Mulugu Constituency of WARANGAL DISTRICT MANGAPET SEGMENT-20/2."

Sl. No	Set No	Division	Reserve forest Name	Area proposed for diversion in Hectares	Justification	Remarks
1	3	Warangal North	Eturnagaram	0.025	The proposed pipeline comes under segment 20/2 of TDWSP (Telangana Drinking Water Supply Project). Part of pipeline is proposed from Mallur X to Mallur Gutta(350mm dia Pipe line, which falls under Eturnagaram Reserve Forest for a length of 169.715 m and with a trench width of 1.5 m and the total area required is 0.025 Hectares. There is no other alternate alignment to propose the pipeline as the ground levels are not permitting as per Hydraulic design. Proposed Reach is only the feasible alignment.	NOC will be obtained and submitted from R&B/PR Dept.
2	3	Warangal North	Eturnagaram	0.353	The proposed pipeline comes under segment 20/2 of TDWSP (Telangana Drinking Water Supply Project). Part of pipeline is proposed from Mallur X to Mallur Gutta(350mm dia Pipe line, which falls under Eturnagaram Reserve Forest for a length of 2353.655m and with a trench width of 1.5 m and the total area required is 0.353 Hectares. There is no other alternate alignment to propose the pipeline as the ground levels are not permitting as per Hydraulic design. Proposed Reach is only the feasible alignment.	NOC will be obtained and submitted from R&B/PR Dept.
3	3	Warangal North	Eturnagaram	0.071	The proposed OHBR comes under segment 20/2 of TDWSP (Telangana Drinking Water Supply Project). The OHBR is proposed for Supply of drinking water to all habitations in Mulugu Constituency. The proposed OHBR falls in Eturnagaram Reserve Forest for which the total area required is 0.071 Hectares. There is no other alternate site to propose the OHBR in order to utilize the natural elevation to create sufficient head. Proposed site is only the feasible one.	
4	3	Warangal North	Eturnagaram	0.071	The proposed OHBR comes under segment 20/2 of TDWSP (Telangana Drinking Water Supply Project). The OHBR is proposed for Supply of drinking water to all habitations in Mulugu Constituency. The proposed OHBR falls in Eturnagaram Reserve Forest for which the total area required is 0.071 Hectares. There is no other alternate site to propose the OHBR in order to utilize the natural elevation to create sufficient head. Proposed site is only the feasible one.	

Location wise Justification in the Forest Area (SET-4)

FOR THE WORK "TELANGANA DRINKING WATER SUPPLY PROJECT for Laying Pipe Line and construction of other structures for providing safe Drinking Water in Mulugu Constituency of WARANGAL DISTRICT MANGAPET SEGMENT-20/2."

Sl. No	Set No	Division	Reserve forest Name	Area proposed for diversion in Hectares	Justification	Remarks
1	4	Warangal North	Eturnagaram	0.143	The proposed pipeline comes under segment 20/2 of TDWSP (Telangana Drinking Water Supply Project). Part of pipeline is proposed from Motlagudem X to Gandhinagar (140mm dia Pipe line, which falls under Eturnagaram Reserve Forest for a length of 1296.12 m and with a trench width of 1.1 m and the total area required is 0.143 Hectares. There is no other alternate alignment to propose the pipeline as the ground levels are not permitting as per Hydraulic design. Proposed Reach is only the feasible alignment.	NOC will be obtained and submitted from ITDA Dept.
2	4	Warangal North	Eturnagaram	0.078	The proposed pipeline comes under segment 20/2 of TDWSP (Telangana Drinking Water Supply Project). Part of pipeline is proposed from Gandhinagar X to Puredupally (125mm dia Pipe line, which falls under Eturnagaram Reserve Forest for a length of 707.261 m and with a trench width of 1.1 m and the total area required is 0.078 Hectares. There is no other alternate alignment to propose the pipeline as the ground levels are not permitting as per Hydraulic design. Proposed Reach is only the feasible alignment.	NOC will be obtained and submitted from PR Dept.
3	4	Warangal North	Eturnagaram	0.128	The proposed pipeline comes under segment 20/2 of TDWSP (Telangana Drinking Water Supply Project). Part of pipeline is proposed from Motlagudem X to Shanigakunta village (75mm dia Pipe line, which falls under Eturnagaram Reserve Forest for a length of 1423.81 m and with a trench width of 0.9 m and the total area required is 0.128 Hectares. There is no other alternate alignment to propose the pipeline as the ground levels are not permitting as per Hydraulic design. Proposed Reach is only the feasible alignment.	NOC will be obtained and submitted from PR Dept.

Location wise Justification in the Forest Area (SET-5)

FOR THE WORK "TELANGANA DRINKING WATER SUPPLY PROJECT for Laying Pipe Line and construction of other structures for providing safe Drinking Water in Mulugu Constituency of WARANGAL DISTRICT SEGMENT-20/2."

Sl. No	Set No	Division	Reserve forest Name	Area proposed for diversion in Hectares	Justification	Remarks
1	5	Warangal North	Eturnagaram	0.195	The proposed pipeline comes under segment 20/2 of TDWSP (Telangana Drinking Water Supply Project). Part of pipeline is proposed from Ramchandrunipet to Sangampally(140mm dia Pipe line, which falls under Eturnagaram Reserve Forest for a length of 1769.754m and with a trench width of 1.1 m and the total area required is 0.195 Hectares. There is no other alternate alignment to propose the pipeline as the ground levels are not permitting as per Hydraulic design. Proposed Reach is only the feasible alignment.	NOC will be obtained and submitted from ITDA Dept.
2	5	Warangal North	Eturnagaram	0.090	The proposed pipeline comes under segment 20/2 of TDWSP (Telangana Drinking Water Supply Project). Part of pipeline is proposed from Sangampally to Nimmagudem(140mm dia Pipe line, which falls under Eturnagaram Reserve Forest for a length of 815.741 m and with a trench width of 1.1 m and the total area required is 0.090 Hectares. There is no other alternate alignment to propose the pipeline as the ground levels are not permitting as per Hydraulic design. Proposed Reach is only the feasible alignment.	NOC will be obtained and submitted from ITDA Dept.