

GOVERNMENT OF TELANGANA
RURAL WATER SUPPLY AND SANITATION DEPARTMENT
Justification for location the project in forest area


Justification for location of the project in forest area :

The proposed "**Laying of Pipe Line and Construction of Other Structures for safe Drinking Water in Rangareddy District – Segment 6.**"


have no other alternative routes to cover all the habitations and the proposed Pipelines and Structures in the Forest Area are essential to cover all the habitations in segment-6 of the Rangareddy District as per the Hydraulic Designs and Topography of the Area the proposed locations are very much essential and there are no other alternative alignments.

Cost of the Project.

Rs. 160.00Crores.


Superintending Engineer,
RWS&S TDWSP,
Rangareddy.

"Counter Signed"


Chief Engineer
RWS&S TDWSP, Hyderabad

Location wise Justification for the project in forest area

- 1. Proposed Reach :** Ghanpur Gutta top(Reservoir) to Ganpur Gutta Bottom arch (700 mm Dia Pipeline in 2 rows).

Merits/Demerits : The topping point (HMWS&SB) is located in the forest area and it is must to lay the pipeline from forest area to non forest area. This is the shortest path to cover all habitations in this segment.

Alternative alignment: Ghanpur Gutta top(Reservoir) to Ganpur Gutta Bottom arch via Majeedpur village.

Merits/Demerits : Length of the pipeline increases from 805 mts to 4000 mts and it leads to increase the cost of pipeline almost 5 times .In this reach already pipeline laid by HMWS&SB authorities and it may be disterbed.

Justification: The proposed reach is economical as compare to alternate alignment. As per the Hydraulic designs and Topography of the Area the proposed location is very much essential.

- 2. Proposed Reach :** Gubbadi thanda Jn to Gubbadi thanda(63 mm Dia Pipeline).

Merits/Demerits : Gubbadi thanda village is located adjacent to the forest area and this is only the approach road to enter the village.

Alternative alignment: There is no other alternative approach to Gubbadi thanda village.

Justification: The proposed reach is only the feasible alignment. As per the Hydraulic designs and Topography of the Area the proposed location is very much essential and there are no other alternative alignments.

3. Proposed Reach : Gubbadi thanda Jn to Yadaram (110 mm Dia Pipeline).

Merits/Demerits : The pipeline is proposed to cover Yadaram village and Muraharipally village. The proposed path is the shortest one to cover the said villages and also topographically feasible.

Alternative alignment: Rajabolaram thanda to Yadaram via Majeedpur .

Merits/Demerits : Length of the pipeline increases from 2000 mts to 6000 mts and it leads to increase the cost of pipeline almost 3 times. The alternative alignment also passes through forest area.

Justification: The proposed reach is economical as compare to alternate alignment. As per the Hydraulic designs and Topography of the Area the proposed location is very much essential.

4. Proposed Reach : Anantharam X road to Potharam (110 mm Dia Pipeline).

Merits/Demerits : This is the shortest path and topographically feasible to cover Potharam and 5 other habitations.

Alternative alignment: Anantharam X road to Potharam via Anantharam Road.

Merits/Demerits : Length of the pipeline increases from 2000 mts to

4000 mts and it leads to increase the cost of pipeline almost 2 times. Topographically it is not feasible and also increases the friction losses.

Justification: The proposed reach is economical as compare to alternate alignment. As per the Hydraulic designs and Topography of the Area the proposed location is very much essential.

5. Proposed Reach : Majeedpur X road to Thurkapally (250 mm Dia Pipeline).

Merits/Demerits : This is the shortest path and topographically feasible to cover Thurkapally and other habitations.

Alternative alignment: Majeedpur X road to Thurkapally via Aliabad.

Merits/Demerits : Length of the pipeline increases from 8000 mts to 20000 mts and it leads to increase the cost of pipeline almost 2.5 times. Topographically it is not feasible and also increases the friction losses.

Justification: The proposed reach is economical as compare to alternate alignment. As per the Hydraulic designs and Topography of the Area the proposed location is very much essential.

6. Proposed Reach : Pharmacy Co Transformaer to Cartoon Factory (700 mm Dia Pipeline).

Merits/Demerits : This is only alternative to cover entire area of Shammerpet ,Keesara and Ghatkesar Mandals and there is no alternative alignment to cover this area in non forest area.

Alternative alignment: There is no other alternative alignment.

Justification: The proposed reach is only the feasible alignment. As per the Hydraulic designs and Topography of the Area the proposed location is very much essential and there are no other alternative alignments.

**7. Proposed Reach : Keesara Gutta Jn to Ankireddypalli
(150 mm Dia Pipeline).**

Merits/Demerits : This is only alternative to cover the area of Ankireddypalli and there is no alternative alignment to cover this area in non forest area.

Alternative alignment: There is no other alternative alignment.

Justification: The proposed reach is only the feasible alignment. As per the Hydraulic designs and Topography of the Area the proposed location is very much essential and there are no other alternative alignments.


Superintending Engineer
RWS&S TDWSP, Rangareddy

"Counter Signed"


Chief Engineer
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