

## **Location wise Justification Report for the project proposed in forest area**

**Proposed Reach:** Inlet & Outlet clear water Pipeline to proposed ELBRs at Kodur Gutta of Kodur Village.

**Merits/Demerits:** The scheme is designed mainly on gravity principle as such the treated will be pumped to a nearby higher elevation from there the water will be distributed by gravity to all habitations. The required elevation for gravitational flow of clear water is available at this proposed location with an easy access & clear to the required elevations. This is the only location available in the vicinity with high elevation.

**Alternative alignment:** Possible alternatives examined. Alternate alignment is not possible because required elevated hillocks in the segment are present at this location only. It is technically and economically ideal to provide GLBR in this location.

**Merits/Demerits:** By constructing the GLBR at this elevation it is very economical to deliver the clear water to the 90 (approx.) Habitations within the radius of 25 KM by gravitational distribution network.

**Justification:** As per the Hydraulic designs, existing natural conditions and Topography of the Area the proposed location/alignment is very much essential for construction of GLBR and Laying pipeline for inlet and outlet. It is technically and economically ideal to provide GLBR over the hillock. The required elevation is available at this proposed location

**Proposed Reach:** Inlet & Outlet clear water Pipeline to proposed ELBR at Padamati Thanda Hillhock of Kasarlapahad Village.


**Merits/Demerits:** The scheme is designed mainly on gravity principle as such the treated will be pumped to a nearby higher elevation

from there the water will be distributed by gravity to all habitations. The required elevation for gravitational flow of clear water is available at this proposed location with an easy access & clear to the required elevations. This is the only location available in the vicinity with high elevation.

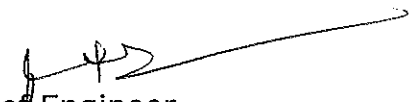
**Alternative alignment:** Possible alternatives examined. Alternate alignment is not possible because required elevated hillocks in the segment are present at this location only. It is technically and economically ideal to provide GLBR in this location.

**Merits/Demerits:** By constructing the GLBR at this elevation it is very economical to deliver the clear water to the 50 (approx.) Habitations within the radius of 15 KM by gravitational distribution network.

**Justification:** As per the Hydraulic designs, existing natural conditions and Topography of the Area the proposed location/alignment is very much essential for construction of GLBR and Laying pipeline for inlet and outlet. It is technically and economically ideal to provide GLBR over the hillock. The required elevation is available at this proposed location

  
Superintending Engineer,  
TDWSP - Hyderabad.

"Counter Signed"

  
Chief Engineer,  
TDWSP - Hyderabad.

### **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 8 Constituencies in Nalgonda District considering Krishna River as raw water source.

The work "**Construction of Clear Water ELBRs and Laying of Pipe Line for 8 Constituencies in Nalgonda District under Segment -5.**" All possible alternate routes for laying of pipelines have been examined and when it is inevitable and no other alternative route except through forest and ELBR Structures in the Forest Area is essential to serve the raw water and clear water through gravity mains to the 8 Constituencies in Nalgonda 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 construction of ELBRs and there are no other possible alternative alignment.

**Cost of the Project:** Administrative sanctioned for Rs.289.00 Crores

  
Superintending Engineer  
TDWSP Circle - Hyderabad.

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Chief Engineer,  
TDWSP ,Hyderabad.