


Justification for location of the Project in forest area

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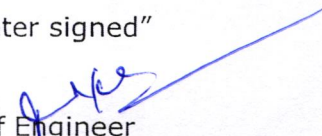
The Telangana Drinking water project (TDWSP) is intended to provide safe drinking water to every habitation at a service level 100 lpcd at household level from a sustainable surface water source. As a part of the project, in Warangal District, it is proposed to provide safe drinking water to 474 habitations in Mahabubabad (part) & Dornakal (part) Constituencies from OHBR located at Nizam Cheruvu as clear water source, the work "Laying of Pipe Lines for Provide safe Drinking Water in Mahabubabad (Part) & Dornakal (part) Constituencies in Warangal District - Segment 17/1- Nizam Cheruvu " All possible alternate routes for laying of pipelines have been examined and when it is inevitable and no other alternative route except through forest to cover certain habitations in the Forest Area are essential to cover all the habitations in the Mahabubabad (part) & Dornakal (part) Constituencies in Warangal District. As per the Hydraulic Designs and Topography of the Area the proposed locations are very much essential and there are no other possible alternative alignments.

Cost of the Project.

Rs. 400.00 Crores.


Superintending Engineer,
TDWSP circle, Warangal.

"Counter signed"


Chief Engineer
RWS&S TDWSP, Hyderabad

Location wise Justification in the Forest Area (Segment -17-1- Nizam Cheruvu)

**FOR THE WORK "LAYING OF PIPE LINE FOR PROVIDING SAFE DRINKING WATER IN MAHABUBABAD (PART) & DORNAKAL (PART) CONSTITUENCIES ,
IN WARANGAL DISTRICT**

| Sl. No | Set No | Division | Reserve forest Name | Area proposed for diversion in Hectares | Justification | Remarks |
|--------|--------|----------------|---------------------|---|--|---|
| 1 | 9 | WARANGAL SOUTH | MOTLATIMMAPUR | 0.033 | The proposed pipeline comes under segment 17 of TDWSP(Telangana Drinking Water Supply Project)- Segment -17-1- Nizam Cheruvu. Part of pipeline is proposed from (The Proposed reach is Gravity Main(Dia 63mm) falls in Kambalapally beat, Kambalapally section of Mahabubabad Range under MOTLATIMMAPUR-reserve Forest for a length of 470.323m and with a trench width of 0.7m and the total area required is 0.033 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 from R&B or PR Department and submitted. |
| 2 | 9 | WARANGAL SOUTH | MOTLATIMMAPUR | 0.100 | The proposed pipeline comes under segment 17 of TDWSP(Telangana Drinking Water Supply Project)- Segment -17-1- Nizam Cheruvu. Part of pipeline is proposed from (The Proposed reach is Gravity Main(Dia 90mm) falls in Kambalapally beat, Kambalapally section of Mahabubabad Range under MOTLATIMMAPUR-reserve Forest for a length of 1430.462m and with a trench width of 0.7m and the total area required is 0.100 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 from R&B or PR Department and submitted. |
| 3 | 5 | WARANGAL SOUTH | DANSARI FB II | 0.018 | The proposed pipeline comes under segment 17 of TDWSP(Telangana Drinking Water Supply Project)- Segment -17-1- Nizam Cheruvu. Part of pipeline is proposed in Apprajapally beat, Apprajapally section of Gudur Range (The Proposed reach is Gravity Main(Dia 63mm) falls under Dhanasari - II Reserve Forest for a length of 258.475m and with a trench width of 0.7m and the total area required is 0.018 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 from R&B or PR Department and submitted. |
| 4 | 5 | WARANGAL SOUTH | DANASARI-1 | 0.153 | The proposed pipeline comes under segment 17 of TDWSP(Telangana Drinking Water Supply Project)- Segment -17-1- Nizam Cheruvu. Part of pipeline is proposed in Beriwada beat, Kesamudram section of Mahabubabad Range (The Proposed reach is Gravity Main(Dia 110mm) falls under Dhanasari - I Reserve Forest for a length of 2181.184m and with a trench width of 0.7m and the total area required is 0.153 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 from R&B or PR Department and submitted. |
| 5 | 9 | WARANGAL SOUTH | MOTLATIMMAPUR | 0.180 | The proposed pipeline comes under segment 17 of TDWSP(Telangana Drinking Water Supply Project)- Segment -17-1- Nizam Cheruvu. Part of pipeline is proposed in Kambalapally beat, Kambalapally section of Mahabubabad Range (The Proposed reach is Gravity Main(Dia 63mm) falls under MOTLATIMMAPUR- Reserve Forest for a length of 2568.033m and with a trench width of 0.7m and the total area required is 0.180 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 from R&B or PR Department and submitted. |

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| 6 | 4 | WARANGAL SOUTH | DANASARI-1 | 0.029 | The proposed pipeline comes under segment 17 of TDWSP(Telangana Drinking Water Supply Project)- Segment -17-1- Nizam Cheruvu. Part of pipeline is proposed in Kesamudram beat, Kesamudram section of Mahabubabad Range (The Proposed reach is Gravity Main(Dia 450mm) falls under Dhanasari I-Reserve Forest for a length of 285.947m and with a trench width of 1.0m and the total area required is 0.029 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 from R&B or PR Department and submitted. |
| 7 | 4 | WARANGAL SOUTH | DANASARI-1 | 0.464 | The proposed pipeline comes under segment 17 of TDWSP(Telangana Drinking Water Supply Project)- Segment -17-1- Nizam Cheruvu. Part of pipeline is proposed in Kesamudram beat, Kesamudram section of Mahabubabad Range (The Proposed reach is Gravity Main(Dia 450mm) falls under Dhanasari I-Reserve Forest for a length of 4642.13m and with a trench width of 1.0m and the total area required is 0.383 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 from R&B or PR Department and submitted. |
| 8 | 7 | WARANGAL SOUTH | LAXMIPURAM | 0.072 | The proposed pipeline comes under segment 17 of TDWSP(Telangana Drinking Water Supply Project)- Segment -17-1- Nizam Cheruvu. Part of pipeline is proposed in Penugonda beat, Edulapusapally section of Mahabubabad Range (The Proposed reach is Gravity Main(Dia 110mm) falls under LAXMIPURAM-Reserve Forest for a length of 1024.180m and with a trench width of 0.7m and the total area required is 0.072 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 from R&B or PR Department and submitted. |
| 9 | 4 | WARANGAL SOUTH | DANASARI-1 | 0.383 | The proposed pipeline comes under segment 17 of TDWSP(Telangana Drinking Water Supply Project)- Segment -17-1- Nizam Cheruvu. Part of pipeline is proposed in Kesamudram beat, Kesamudram section of Mahabubabad Range (The Proposed reach is Gravity Main(Dia 90mm) falls under Dhanasari I-Reserve Forest for a length of 5468.084m and with a trench width of 0.7m and the total area required is 0.383 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 from R&B or PR Department and submitted. |
| 10 | 6 | WARANGAL SOUTH | DANASARI-1 | 0.154 | The proposed pipeline comes under segment 17 of TDWSP(Telangana Drinking Water Supply Project)- Segment -17-1- Nizam Cheruvu. Part of pipeline is proposed from (The Proposed reach is Gravity Main(Dia 63mm) falls in Kesamudram beat, Kesamudram section of Mahabubabad Range under Dhanasari-I Reserve Forest for a length of 2196.086m and with a trench width of 0.7m and the total area required is 0.154 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 from R&B or PR Department and submitted. |
| 11 | 4 | WARANGAL SOUTH | DANASARI-1 | 0.039 | The proposed pipeline comes under segment 17 of TDWSP(Telangana Drinking Water Supply Project)- Segment -17-1- Nizam Cheruvu. Part of pipeline is proposed(The Proposed reach is Gravity Main(Dia 63mm) falls in Beriwada beat, Kesamudram section of Mahabubabad Range under Dhanasari-I Reserve Forest for a length of 489.157m and with a trench width of 0.8m and the total area required is 0.039 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 from R&B or PR Department and submitted. |

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| 12 | 4 | WARANGAL SOUTH | DANASARI-1 | 0.232 | The proposed pipeline comes under segment 17 of TDWSP(Telangana Drinking Water Supply Project)-Segment -17-1- Nizam Cheruvu. Part of pipeline is proposed(The Proposed reach is Gravity Main(Dia 450mm) falls in Kesamudram beat, Kesamudram section of Mahabubabad Range under Dhanasari-I Reserve Forest for a length of 2315.337m and with a trench width of 1.0m and the total area required is 0.232 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 from R&B or PR Department and submitted. |
| 13 | 7 | WARANGAL SOUTH | DANASARI-1 | 0.041 | The proposed pipeline comes under segment 17 of TDWSP(Telangana Drinking Water Supply Project)-Segment -17-1- Nizam Cheruvu. Part of pipeline is proposed (The Proposed reach is Gravity Main(Dia 140mm) falls in Mahabubabad beat, Edulapusapally section of Mahabubabad Range under Dhanasari-I Reserve Forest for a length of 583.318m and with a trench width of 0.70m and the total area required is 0.041 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 from R&B or PR Department and submitted. |
| 14 | 7 | WARANGAL SOUTH | LAXMIPURAM | 0.140 | The proposed pipeline comes under segment 17 of TDWSP(Telangana Drinking Water Supply Project)-Segment -17-1- Nizam Cheruvu. Part of pipeline is proposed(The Proposed reach is Gravity Main(Dia 140mm) falls in Edulapusapally beat, Edulapusapally section of Mahabubabad Range under LAXMIPURAM Reserve Forest for a length of 2006.238m and with a trench width of 0.70m and the total area required is 0.140 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 from R&B or PR Department and submitted. |
| 15 | 6 | WARANGAL SOUTH | DANASARI-1 | 0.208 | The proposed pipeline comes under segment 17 of TDWSP(Telangana Drinking Water Supply Project)-Segment -17-1- Nizam Cheruvu. Part of pipeline is proposed(The Proposed reach is Gravity Main(Dia 63mm) falls in Mahabubabad beat, Edulapusapally section of Mahabubabad Range under Dhanasari-I Reserve Forest for a length of 2968.964m and with a trench width of 0.7m and the total area required is 0.208 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 from R&B or PR Department and submitted. |
| 16 | 7 | WARANGAL SOUTH | LAXMIPURAM | 0.057 | The proposed pipeline comes under segment 17 of TDWSP(Telangana Drinking Water Supply Project)-Segment -17-1- Nizam Cheruvu. Part of pipeline is proposed (The Proposed reach is Gravity Main(Dia 125mm) falls in Edulapusapally beat, Edulapusapally section of Mahabubabad Range under LAXMIPURAM-reserve Forest for a length of 812.560m and with a trench width of 0.7m and the total area required is 0.057 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 from R&B or PR Department and submitted. |

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| 17 | 8 | WARANGAL SOUTH | JAMANDLAPALLY | 0.264 | The proposed pipeline comes under segment 17 of TDWSP(Telangana Drinking Water Supply Project)- Segment -17-1- Nizam Cheruvu. Part of pipeline is proposed(The Proposed reach is Gravity Main(Dia 200mm) falls in Beriwada beat, Kesamudra section of Mahabubabad Range under Jamandlapally-reserve Forest for a length of 3305.615m and with a trench width of 0.8m and the total area required is 0.264 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 from R&B or PR Department and submitted. |
| 18 | 1 | WARANGAL SOUTH | DISRESERVED | 0.113 | The proposed pipeline comes under segment 17 of TDWSP(Telangana Drinking Water Supply Project)- Segment -17-1- Nizam Cheruvu. Part of pipeline is proposed (The Proposed reach is Gravity Main(Dia 200mm) falls in Alair beat, Tadlapusapally section of Mahabubabad Range under Dis- reserve Forest for a length of 1415.996m and with a trench width of 0.8m and the total area required is 0.113 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 from R&B or PR Department and submitted. |
| 19 | 1 | WARANGAL SOUTH | DISRESERVED | 0.035 | The proposed pipeline comes under segment 17 of TDWSP(Telangana Drinking Water Supply Project)- Segment -17-1- Nizam Cheruvu. Part of pipeline is proposed (The Proposed reach is Gravity Main(Dia 63mm) falls in Alair beat, Tadlapusapally section of Mahabubabad Range under Dis- reserve Forest for a length of 494.747m and with a trench width of 0.7m and the total area required is 0.035 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 from R&B or PR Department and submitted. |
| 20 | 3 | WARANGAL SOUTH | DANSARI-III | 0.147 | The proposed pipeline comes under segment 17 of TDWSP(Telangana Drinking Water Supply Project)- Segment -17-1- Nizam Cheruvu. Part of pipeline is proposed(The Proposed reach is Gravity Main(Dia 225mm) falls in Tadlapusapally beat, Tadlapusapally section section of Mahabubabad Range under Dhanasari-III-reserve Forest for a length of 1466.489m and with a trench width of 1.0m and the total area required is 0.147 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 from R&B or PR Department and submitted. |

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| 21 | 2 | WARANGAL SOUTH | DANSARI-III | 0.080 | The proposed pipeline comes under segment 17 of TDWSP(Telangana Drinking Water Supply Project)- Segment -17-1- Nizam Cheruvu. Part of pipeline is proposed (The Proposed reach is Gravity Main(Dia 63mm) falls in Alair beat, Tadlapusapally section of Mahabubabad Range under Dhanasari - III reserve Forest for a length of 1001.797m and with a trench width of 0.8m and the total area required is 0.080 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 from R&B or PR Department and submitted. |
| 22 | 2 | WARANGAL SOUTH | DANSARI-III | 0.376 | The proposed pipeline comes under segment 17 of TDWSP(Telangana Drinking Water Supply Project)- Segment -17-1- Nizam Cheruvu. Part of pipeline is proposed(The Proposed reach is Gravity Main(Dia 200mm) falls in Alair beat, Tadlapusapally section of Mahabubabad Range under Dhanasari-III reserve Forest for a length of 4694.829m and with a trench width of 0.8m and the total area required is 0.376 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 from R&B or PR Department and submitted. |
| 23 | 2 | WARANGAL SOUTH | DISRESERVED | 0.014 | The proposed pipeline comes under segment 17 of TDWSP(Telangana Drinking Water Supply Project)- Segment -17-1- Nizam Cheruvu. Part of pipeline is proposed(The Proposed reach is Gravity Main(Dia 125mm) falls in Alair beat, Tadlapusapally section of Mahabubabad Range under Dis-reserve Forest for a length of 172.669m and with a trench width of 0.8m and the total area required is 0.014 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 from R&B or PR Department and submitted. |
| 24 | 2 | WARANGAL SOUTH | DISRESERVED | 0.058 | The proposed pipeline comes under segment 17 of TDWSP(Telangana Drinking Water Supply Project)- Segment -17-1- Nizam Cheruvu. Part of pipeline is proposed (The Proposed reach is Gravity Main(Dia 63mm) falls in Alair beat, Tadlapusapally section of Mahabubabad Range under Dhanasari - I reserve Forest for a length of 783.748m and with a trench width of 0.74m and the total area required is 0.058 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 from R&B or PR Department and submitted. |
| 25 | 6 | WARANGAL SOUTH | DANASARI-1 | 0.122 | The proposed pipeline comes under segment 17 of TDWSP(Telangana Drinking Water Supply Project)- Segment -17-1- Nizam Cheruvu. Part of pipeline is proposed(The Proposed reach is Gravity Main(Dia 63mm) falls in Mahabubabad beat, Edulapusapally section of Mahabubabad Range under Dhanasari I-reserve Forest for a length of 1745.846m and with a trench width of 0.7m and the total area required is 0.122 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 from R&B or PR Department and submitted. |

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| 26 | 8 | WARANGAL SOUTH | JAMANDLAPALLY | 0.059 | The proposed pipeline comes under segment 17 of TDWSP(Telangana Drinking Water Supply Project)- Segment -17-1- Nizam Cheruvu. Part of pipeline is proposed(The Proposed reach is Gravity Main(Dia 180mm) falls in Jamandlapally beat, Jamandlapally section of Mahabubabad Range under Jamandlapally-reserve Forest for a length of 743.197m and with a trench width of 0.8m and the total area required is 0.059 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 from R&B or PR Department and submitted. |
| 27 | 2 | WARANGAL SOUTH | DANSARI-III | 0.031 | The proposed pipeline comes under segment 17 of TDWSP(Telangana Drinking Water Supply Project)- Segment -17-1- Nizam Cheruvu. Part of pipeline is proposed (The Proposed reach is Gravity Main(Dia 63mm) falls in Tadlapusapally beat, Tadlapusapally section of Mahabubabad Range under Dhanasari -III reserve Forest for a length of 392.448m and with a trench width of 0.8m and the total area required is 0.031 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 from R&B or PR Department and submitted. |
| 28 | 8 | WARANGAL SOUTH | JAMANDLAPALLY | 0.073 | The proposed pipeline comes under segment 17 of TDWSP(Telangana Drinking Water Supply Project)- Segment -17-1- Nizam Cheruvu. Part of pipeline is proposed(The Proposed reach is Gravity Main(Dia 63 mm) falls in Jamandlapally beat, Jamandlapally section of Mahabubabad Range under Jamandlapally-reserve Forest for a length of 1041.966m and with a trench width of 0.7m and the total area required is 0.073 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 from R&B or PR Department and submitted. |
| 29 | 2 | WARANGAL SOUTH | DANSARI-III | 0.039 | The proposed pipeline comes under segment 17 of TDWSP(Telangana Drinking Water Supply Project)- Segment -17-1- Nizam Cheruvu. Part of pipeline is proposed(The Proposed reach is Gravity Main(Dia 63mm) falls in Tadlapusapally beat, Tadlapusapally section of Mahabubabad Range under Dhanasari III-reserve Forest for a length of 489.693m and with a trench width of 0.8m and the total area required is 0.039 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 from R&B or PR Department and submitted. |
| | | | Total | 3.7130 | | |

Superintending Engineer
TDWSP,Circle,Warangal

"Counter Signed"

Chief Engineer,
TDWSP,Hyderabad.