

Justification for Location of the project in Forest Area

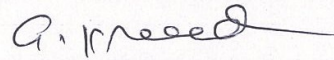
The Telangana Drinking water project (TDWSP) is intended to provide safe drinking water to every habitation at a service level with 100 lpcd at household level from a sustainable surface water source. As a part of the project, it is proposed to provide safe drinking water to 5 Constituencies in Nalgonda District considering Krishna River as raw water source.

The work **"Providing Drinking water supply to 5 constituency with Akkampally Balancing Reservoir(Krishna River) as source in Nalgonda District under Chandampet segment 3/2"**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 5 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.2106.00 Crores


Superintending Engineer
TDWSP Circle - Hyderabad.

"Counter Signed"


Chief Engineer,
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TELANGANA DRINKING WATER SUPPLY PROJECT-CHANDAMPET SEGMENT-3/2 - NALGONDA DISTRICT					
JUSTIFICATION REPORT FOR THE DIVERSION OF FOREST LAND IN CHANDAMPET SEGMENT- 3/2 OF NAGARJUNA SAGAR DIVISION					
S.No	Set No	Division	Reserved Forest	Area Proposed for Diversion (In Hectares)	Remarks
1	1	Nagarjunasagar	Nidigal	0.911	Justification for the diversion of Forest Land a) The proposed Pipe Line comes under segment 3/2 of TDWSP (Telangana Drinking Water Supply Project). A part of the pipe line is proposed from S1-10 to S1-12 (Gagilapur to Pedhamula Jn), S1-12 to S1-13(The line from Chitriyala sump to road Jn),S1-13to-S1-14(The line from Pedhamula OHBR to Pedhamula road Jn) falls under NIDIGAL Reserved Forest for a length of 3458.418M and with a Trench width 0.80M /1.50/2.00M and S1-10- to S1-14 (The Line from Gagilapur to Chitriyala village on this line Sump,ELBR and OHBR is proposed) The total area of Land Diversion required is 0.911 Hectares. The Pipe Line alignment is proposed by duly utilising the "Right of Way" of the existing Road. Further, there is no other alternate alignment to propose the Pipe Line as the ground levels are not permitting to supply the water by gravity, if any change of alignment, the length of Pipe Line increases abnormally and requires additional pumping, there by cost of Pumping, additional length of Pipe Line Cost, Land acquisition and involvement of other factors makes delay of Project and increases the cost of the Project abnormally. The Pipe Line along the existing Road will always help for future Operation & Maintenance activities. a) The proposed Pipe Line comes under segment 3/2 of TDWSP (Telangana Drinking Water Supply Project). A part of the pipe line proposed from S2-122 to S2-136 (The Line From Kakanur Thanda to Rekulagadda Village), S2-139 to S2-146 (Pipe Line from Venkatigani Thanda to Dasarlapalli Vg), S2-132 to S2 - 135 (Pipeline from Chitriyal Jn to Nallachelamula village) falls under NIDIGAL RF for a length of 6229.077M and with a Trench width 0.80/1.50/2.0M and the Total Area Required for diversion is 1.06Hectares. The Pipe Line alignment is proposed by duly utilising the "Right of Way" of the existing Road. The Pipe Line along the existing Road will help for future Operation & Maintenance activities. Further, there is no other alternate alignment to propose as the ground levels are not permitting as per the Hydraulic Design and the length of the Pipe Line increases abnormally if any change of alignment and requires additional pumping which is not economical.
2	2	Nagarjunasagar	Nidigal	1.06	

3	3	Nagarjunasagar	Nidigal	2.731	a) The proposed Pipe Line comes under segment 3/2 of TDWSP (Telangana Drinking Water Supply Project). A part of the pipe line proposed from S9-124 to S3-129 (The Line From Rekulagadda to Usmanikunta ELBR), S3-117 to S3-124 (The Line From Usmanikunta to Bandameed Thanda Rd In), S3-117 to S3-118 (The Line From Bandameed Thanda Rd In to Mangali Thanda ELBR), S3-118 to S3-118 (Mangali Thanda ELBR to Mangali Thanda ELBR), S3-124 to S3-124 (The Line From Usmanikunta ELBR to Road In), S3-117 to S3-117 (Bandameed Thanda Rd In to Bandameed Thanda ELBR), S3-116 to S3-117 (The Line From Bandameed Thanda Rd In to Circle Thanda), S3-117 to S3-118 (The Line From Rekulagadda to Mangali Thanda Village). In this line ELBR at Usmanikunta, ELBR at Bandameed Thanda and ELBR at Mangali Thanda is proposed. The Total Area Required for diversion is 2.731 Hectars. The Pipe Line alignment is proposed by duly utilising the "Right of Way" of the existing Road. Further, there is no other alternate alignment to propose as the ground levels are not permitting as per the Hydraulic Design and the length of the Pipe Line increases abnormally if any change of alignment and requires additional pumping which is not economical. The Pipe Line along the existing Road will help for future Operation & Maintenance activities.
4	4	Nagarjunasagar	Nidigal	1.536	a) The proposed Pipe Line comes under segment 3/2 of TDWSP (Telangana Drinking Water Supply Project). From Segment of TDWSP Pipe Line Net Work, A part of the pipe line proposed from S4-131 to S4-158 (i.e., The Pipe Line From Buddha Thanda to Mannevaripally Road In), S4-157 to S4-158 (Korutla In to Korutla), S4-159 to S4-159 (K. Gowaram to Gonaboinapally) falls under NIDIGAL RF for a length of 7539.389 M and with a Trench width 0.80/1.00/1.50/2.0 M. The total area of Land diversion required is 1.536 Hec. The Pipe Line alignment proposed is to lay the Pipe Line in the "Right of Way" of the existing Road, and there is no other alternate alignment to propose as the Ground Levels are not permitting the Treated Water Supply by gravity.
5	5	Nagarjunasagar	Nidigal	1.383	a) The proposed Pipe Line comes under segment 3/2 of TDWSP (Telangana Drinking Water Supply Project). From Segment of TDWSP Pipe Line Net Work, A part of the pipe line proposed from S5-123 to S5-130 (i.e., The Pipe Line From Yalamamanda to Bollaram Village), S5-126 to S5-126 (i.e., The Pipe Line From Yalamamanda Road In to Yalamamanda village) falls under NIDIGAL RF for a length of 7052.152 M and with a Trench width 0.80/1.00/1.50 M. The total area of Land diversion required is 1.383 Hec. The Pipe Line alignment proposed is to lay the Pipe Line in the "Right of Way" of the existing Road, and there is no other alternate alignment to propose as the Ground Levels are not permitting the Treated Water Supply by gravity.
6	6	Nagarjunasagar	Nidigal	0.612	a) The proposed Pipe Line comes under segment 3/2 of TDWSP (Telangana Drinking Water Supply Project). From segment 3/2 of TDWSP Pipe Line Net Work, A part of the pipe line is proposed from S6-1111 to S6-115 (The Line from Kambalipally to Pogilla) falls under NIDIGAL RF for a length of 6123.693 M and with a Trench width 0.80M. The total area of Land Diversion required is 0.612 Hectares. The Pipe Line alignment is proposed by duly utilising the "Right of Way" of the existing Road. Further, there is no other alternate alignment to propose the Pipe Line as the ground levels are not permitting to supply the water by gravity. If any change of alignment, the length of Pipe Line increases abnormally and requires additional pumping, there by cost of Pumping, additional length of Pipe Line Cost, Land acquisition and involvement of other factors makes delay of Project and increases the cost of the Project abnormally. The Pipe Line along the existing Road will always help for future Operation & Maintenance activities.
7	7	Nagarjunasagar	Nidigal	0.652	a) The proposed Pipe Line comes under segment 3/2 of TDWSP (Telangana Drinking Water Supply Project). A part of the pipe line proposed from S7-119 to S7-120 (The Line From Guvvalagutta to Kacharajupally), S7-141 to S7-141 (Pipe Line at Sudhabavi), falls under Nidigal RF for a length of 6514.662 M and with a Trench width 0.80/1.00/1.50M and the Total Area Required for diversion is 0.652 Hectars. The Pipe Line alignment is proposed by duly utilising the "Right of Way" of the existing Road. The Pipe Line along the existing Road will help for future Operation & Maintenance activities. Further, there is no other alternate alignment to propose as the ground levels are not permitting as per the Hydraulic Design and the length of the Pipe Line increases abnormally if any change of alignment and requires additional pumping which is not economical.
8	8	Nagarjunasagar	Nidigal	0.383	a) The proposed Pipe Line comes under segment 3/2 of TDWSP (Telangana Drinking Water Supply Project). A part of the pipe line proposed from S8-143 to S8-143 (The Line From Pedhamunigal to Bugga Thanda In), S8-143 to S8-143 (The Line From Bugga Thanda to Vizag colony), S8-143 to S8-143 (The Line From Bugga Thanda to Kacharajupally) falls under NIDIGAL RF for a length of 3831.871 M and with a Trench width 0.80/1.00/1.50 M and the Total Area Required for diversion is 0.383 Hectars. The Pipe Line alignment is proposed by duly utilising the "Right of Way" of the existing Road. Further, there is no other alternate alignment to propose as the ground levels are not permitting as per the Hydraulic Design and the length of the Pipe Line increases abnormally if any change of alignment and requires additional pumping which is not economical. The Pipe Line along the existing Road will help for future Operation & Maintenance activities.
9	9	Nagarjunasagar	Surraopet	0.618	a) The proposed Pipe Line comes under segment 3/2 of TDWSP (Telangana Drinking Water Supply Project). From Segment of TDWSP Pipe Line Net Work, A part of the pipe line proposed from S9-84 to S9-86 (i.e., The Pipe Line From Putamandi Thanda to Pavuralagutta), S9-84 to S9-84 (The pipe line from Pavuralagutta sump to ELBR) falls under SURRAOPEI RF for a length of 4554.663 M and with a Trench width 0.80/1.00/1.50 M. Along the pipe line there is a structure proposed at Pavuralagutta a sump and ELBR. The total area of Land diversion required is 0.618 Hec. The Pipe Line alignment proposed is to lay the Pipe Line in the "Right of Way" of the existing Road, and there is no other alternate alignment to propose as the Ground Levels are not permitting the Treated Water Supply by gravity.
10	10	Nagarjunasagar	Rajawaram	1.271	a) The proposed Pipe Line comes under segment 3/2 of TDWSP (Telangana Drinking Water Supply Project). From Segment of TDWSP Pipe Line Net Work, A part of the pipe line proposed from S10-76 to S10-83 (The Line From Yellapur to Buradagattu Thanda), S10-76 to S10-77 (The line from Yellapur In to ELBR (Pedhagattu)), S10-77 to S10-77 (ELBR to Pedhagattu Thanda) falls under RAJAWARAM RF for a length of 12245.528 M and with a Trench width 0.8/1.0/1.50 M. Along the pipe line there is a structure ELBR proposed at Pedhagattu Thanda. The total area of Land diversion required is 1.271 Hec. The Pipe Line alignment is proposed by duly utilising the "Right of Way" of the existing Road. Further, there is no other alternate alignment to propose as the ground levels are not permitting as per the Hydraulic Design and the length of the Pipe Line increases abnormally if any change of alignment and requires additional pumping which is not economical. The Pipe Line along the existing Road will help for future Operation & Maintenance activities.

11	11	Nagarjunasagar	Neilikal	0.867	a) The proposed Pipe Line comes under segment 3/2 of TDWSP (Telangana Drinking Water Supply Project). From segment 3/2 of TDWSP Pipe Line Net Work, A part of the pipe line is proposed from S11-72 to S11-73 (Pottichina to Yerra chervu), S11-74 to S11-74 (The line from Thimalah swamy temple to ELBR), falls under NEILIKAL RF for a length of 5088.966 M and with a Trench width 0.80/1.0/1.50M. Along the pipe line there is a structure ELBR is proposed at Thimalah swamy temple. The total area of Land Diversion required is 0.867 Hectares. The Pipe Line alignment is proposed by duly utilising the "Right of Way" of the existing Road. Further, there is no other alternate alignment to propose the Pipe Line as the ground levels are not permitting to supply the water by gravity, if any change of alignment, the length of Pipe Line increases abnormally and requires additional pumping, there by cost of Pumping, additional length of Pipe Line Cost, Land acquisition and involvement of other factors makes delay of Project and increases the cost of the Project abnormally. The Pipe Line along the existing Road will always help for future Operation & Maintenance activities.
12	12	Nagarjunasagar	Neilikal	0.401	a) The proposed Pipe Line comes under segment 3/2 of TDWSP (Telangana Drinking Water Supply Project). A part of the pipe line proposed from S12-71 to S12-71 (The Line From Manupati Thanda to Jamalkunta Thanda), S12-69 to S12-69 (Pipe Line from Neilikal Junction to Mula Thanda), falls under NEILIKAL RF for a length of 4014.096 M and with a Trench width 0.8/1.0/1.50M and the Total Area Required for diversion is 401 Hectares. The Pipe Line alignment is proposed by duly utilising the "Right of Way" of the existing Road. The Pipe Line along the existing Road will help for future Operation & Maintenance activities. Further, there is no other alternate alignment to propose as the ground levels are not permitting as per the Hydraulic Design and the length of the Pipe Line increases abnormally if any change of alignment and requires additional pumping which is not economical.
13	13	Nagarjunasagar	Rajawaram	0.219	a) The proposed Pipe Line comes under segment 3/2 of TDWSP (Telangana Drinking Water Supply Project). A part of the pipe line proposed from S13-64 to S13-65 (The Line From Godamadaka to Thunkinuthala), S13-64 to S13-64 (The Line from Godamadaka to Iruku thanda) falls under RAJAWARAM RF for a length of 2186.235 M and with a Trench width 0.80/1.00/1.50M and the Total Area Required for diversion is 0.219 Hectares. The Pipe Line alignment is proposed by duly utilising the "Right of Way" of the existing Road. Further, there is no other alternate alignment to propose as the ground levels are not permitting as per the Hydraulic Design and the length of the Pipe Line increases abnormally if any change of alignment and requires additional pumping which is not economical. The Pipe Line along the existing Road will help for future Operation & Maintenance activities.
14	14	Nagarjunasagar	Rajawaram	0.888	a) The proposed Pipe Line comes under segment 3/2 of TDWSP (Telangana Drinking Water Supply Project). From Segment of TDWSP Pipe Line Net Work, A part of the pipe line proposed from S14-65 to S14-67 (i.e., The Pipe Line from Shunkiala thanda to Kompally), S14-65 to S14-65 (The pipe line from Shunkiala Thanda In to ELBR In) S14-65 to S14-65 (The pipe line from ELBR In to ELBR), S14-65 to S14-65 (The pipe line from ELBR In to Yellapur) falls under RAJAWARAM RF for a length of 4814.604 M and with a Trench width 0.80/1.0/1.50 M. Along the pipe line there is an ELBR proposed at Shunkiala thanda and ELBR proposed at Kompally. The total area of Land diversion required is 0.888 Hec. The Pipe Line alignment proposed is to lay the Pipe Line in the "Right of Way" of the existing Road, and there is no other alternate alignment to propose as the Ground Levels are not permitting the Treated Water Supply by gravity.

"Counter Signed"

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