

TELANGANA DRINKING WATER SUPPLY PROJECT-SEGMENT KADDAM-24 - ADILABAD DISTRICT						
JUSTIFICATION REPORT FOR THE DIVERSION OF FOREST LAND IN KADDAM SEGMENT- 24 OF JANNARAM DIVISION						
S.No	Set No	Division	Reserved Forest	Area Proposed for Diversion(in Hectares)	Justification for the diversion of Forest Land	Remarks
1	3	Jannaram	Indanpalli	0.271	a) The proposed Pipe Line comes under segment 24 of TDWSP (Telangana Drinking Water Supply Project). A part of the pipe line proposed from S3-165 to S3-167 (The Line From Mallapur X Rd to Pathanarsingapur), S3- 172to S3-178 (The Line from Pathanarsingapur Jn to kothanarsingapur village), S3-168 to S3-166 (The Line From Somguda X Rd to Budhanagar Jn), S3-166 to S3-170 (The Line from Kommuthanda Jn. to Indhanpalli X Rd) falls under Indhanpalli RF for a length of 3747.505 M and with a Trench width 0.7/1.0 M and the Total Area Required for diversion is 0.271 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	NOC will be obtained and submitted from PR and R&B Department.
2	4	Jannaram	Indanpalli	0.649	a) The proposed Pipe Line comes under segment 24 of TDWSP (Telangana Drinking Water Supply Project). From Segment of TDWSP Pipe Line Net Work, A part of the pipe line proposed from S4-185 to S4-240 (i.e., The Pipe Line from Hostelthanda Jn to Islampur Jn) falls under Indhanpalli RF for a length of 7216.175 M and with a Trench width 0.90 M. The total area of Land diversion required is 0.649Hec. 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.	NOC will be obtained and submitted from PR and R&B Department.
3	5	Jannaram	Indanpalli	0.398	a) The proposed Pipe Line comes under segment 24 of TDWSP (Telangana Drinking Water Supply Project). From Segment of TDWSP Pipe Line Net Work, A part of the pipe line proposed from S4-270 to S4-286 (i.e., The Pipe Line from Dosthnagar Jn to Kalleda Vg), S4-285 to S4-286 (i.e., The Pipe Line from Laxmipur Jn to Dostnagar Jn) ect). From Segment of TDWSP Pipe Line Net Work, A part of the pipe line proposed from S5-270 to S5-286 (i.e., The Pipe Line from Dosthnagar Jn to Kalleda Vg), S4-286 to S4-320 (i.e., The Pipe Line from Dostnagar Jn to Dostnagar Vg) falls under Indhanpalli RF for a length of 12559.742 M and with a Trench width 0.7/0.8/0.90 M. The total area of Land diversion required is 0.398Hec. 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.	NOC will be obtained and submitted from PR and R&B Department.
4	6	Jannaram	Birsaipet	0.389	a) The proposed Pipe Line comes under segment 24 of TDWSP (Telangana Drinking Water Supply Project). From segment 24 of TDWSP Pipe Line Net Work, A part of the pipe line is proposed from S6-343 to S6-362 (The Line From Dostnagar X Rd to Maisampet) falls under Birsaipet RF for a length of 5563.813 M and with a Trench width 0.70M. The total area of Land Diversion required is 0.389 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.	NOC will be obtained and submitted from PR and R&B Department.

5	7	Jannaram	Birsaipet	0.367	a) The proposed Pipe Line comes under segment 24 of TDWSP (Telangana Drinking Water Supply Project). A part of the pipe line proposed from S2-99 to S2-107 (The Line From Shettipally Jn to Kaddam X Rd), S7-423 to S7-424 (Pipe Line from Kalleda Jn to Utnoor X Rd) falls under Birsaipet RF for a length of 4593.627 M and with a Trench width 0.80M and the Total Area Required for diversion is 0.367 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.	NOC will be obtained and submitted from PR and R&B Department.
6	8	Jannaram	Birsaipet	0.373	a) The proposed Pipe Line comes under segment 24 of TDWSP (Telangana Drinking Water Supply Project). A part of the pipe line proposed from S8- 423 to S8-425 (The Line from Utnoor X Rd to Udupur LT Jn) falls under Birsaipet RF for a length of 4663.292 M and with a Trench width 0.80 M and the Total Area Required for diversion is 0.373 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	NOC will be obtained and submitted from PR and R&B Department.
7	9	Jannaram	Birsaipet	0.734	a) The proposed Pipe Line comes under segment 24 of TDWSP (Telangana Drinking Water Supply Project). From Segment of TDWSP Pipe Line Net Work, A part of the pipe line proposed falls under Birsaipet RF for a length of 7007.391 M and with a Trench width 0.7/0.9/1.6 M. (The Line from Devaighudem Jn to Devaighudem OHBR) Approach Road of Length 502.54M with a width of 10M. The total area of Land diversion required is 0.734Hec. Devaighudem OHBR is proposed at the Devaighudem Hillock at an Elevation + 290.00 M at S9-522 which is available only on the Devaighudem Hillock which falls in the Birsaipet RF, these Tanks are very much essential to cut down the high pressures in the Pipe Line Net Work. 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.	NOC will be obtained and submitted from PR and R&B Department.
8	10	Jannaram	Jannaram	1.518	a) The proposed Pipe Line comes under segment 24 of TDWSP (Telangana Drinking Water Supply Project). From Segment of TDWSP Pipe Line Net Work, A part of the pipe line proposed from S5- 551 to S5-743 (i.e., covering The Pipe Line from Juvviguda Jn to Thapalapur Jn) falls under Birsaipet RF for a length of 18640.212 M and with a Trench width 0.7/0.9 M. The total area of Land diversion required is 1.518 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	NOC will be obtained and submitted from PR and R&B Department.


Executive Engineer
TDWSP Circle, Nirmal


Superintending Engineer,
TDWSP, Nirmal Circle.

"Counter Signed"


Chief Engineer
TDWSP, Hyderabad

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

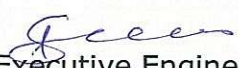
Justification for location of the project in forest area :

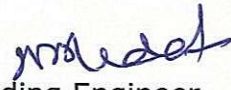
The proposed "**Laying of Pipe Line and Construction of Other Structures for safe Drinking Water in Adilabad District -Kaddam, Segment 24.**"

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-24 Kaddam of the Adilabad 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. 250.00 Crores.


Executive Engineer,
TDWSP,
Mancherial Division.


Superintending Engineer,
TDWSP, Nirmal Circle.

"Counter Signed"


Chief Engineer
RWS&S TDWSP, Hyderabad

TELANGANA DRINKING WATER SUPPLY PROJECT-SEGMENT KADDAM-24 - ADILABAD DISTRICT

JUSTIFICATION REPORT FOR THE DIVERSION OF FOREST LAND IN KADDAM SEGMENT- 24 OF NIRMAL DIVISION

S.No	Set No	Sub Segment	Division	Reserved Forest	Area Proposed for Diversion (in Hectares)	Justification for the diversion of Forest Land	Remarks
1	1	5	Nirmal	Dasturabad	1.851	a) The proposed Pipe Line comes under segment 24 of TDWSP (Telangana Drinking Water Supply Project). From segment 24 of TDWSP Pipe Line Net Work, A part of the pipe line is proposed from S1-10 to S1-11 (The Line From Pandavapur Jn to Laxmipur X Rd), S1-29 to S1-32(The line from Amberpet (v) Jn towards Dasturabad (V)), falls under Dasturabad RF for a length of 6199.907M and with a Trench width 0.70M /1.9/10.0M and S1-1- to S1-80 (The Line from Akondapet GLBR to Akondapet Jn) Approach Road of Length 242.00M with a width of 10M. The total area of Land Diversion required is 1.851 Hectares. Akondapet GLBR and BPT is proposed at the Akondapet Hillock at an Elevation + 260 M at S1-1 which is available only on the Akondapet Hillock which falls in the Dasturabad RF, these Tanks are very much essential to cut down the high pressures in the Pipe Line Net Work.. 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	NOC will be obtained and submitted from PR and R&B Department.
2	2	5	Nirmal	Dasturabad	0.924	a) The proposed Pipe Line comes under segment 24 of TDWSP (Telangana Drinking Water Supply Project). A part of the pipe line proposed from S2-136 to S2-148 (The Line From Munyal Thanda Jn to Yellakunta Village), S2-156 to S2-142 (Pipe Line from Munyal Thanda Jn to Lambadithanda Vg), S2-81 to S2 - 150 (Pipeline from Munyal Jn to Godserial Jn), S2 -124 to S2-85 (The Line from Buttapur Jn. to Kalamadugu Jn), falls under Dasturabad RF for a length of 7043.059 M and with a Trench width 0.70/0.80/1.80/2.0M and the Total Area Required for diversion is 0.924Hectars. 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.	NOC will be obtained and submitted from PR and R&B Department.
3	11	5	Nirmal	Kaddam	1.421	a) The proposed Pipe Line comes under segment 24 of TDWSP (Telangana Drinking Water Supply Project). From segment 24 of TDWSP Pipe Line Net Work, A part of the pipe line is proposed falls under Kaddam RF for a length of 7096.765 M and with a Trench width 0.70/1.20/1.30M. (The Line from Peddur LT Vg Jn to Kaddamgutta OHBR) Approach Road of Length 503.64M with a width of 10M The total area of Land Diversion required is 1.421 Hectares.Kaddamgutta OHBR is proposed at the Peddur LT Hillock at an Elevation + 290 M at S11-771 which is available only on the Peddur LT Hillock which falls in the Kaddam RF, these Tanks are very much essential to cut down the high pressures in the Pipe Line Net Work. 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 &	NOC will be obtained and submitted from PR and R&B Department.

4	12	5	Nirmal	Khanapur	0.543	a) The proposed Pipe Line comes under segment 24 of TDWSP (Telangana Drinking Water Supply Project). A part of the pipe line proposed from S12-830 to S12-839 (The Line From Pedduri In to Kolamguda X Rd), S12-867 to S12-840 (Pipe Line from Dharmapet In to Kurraguda X Rd), S12-864 to S12 - 815 (Pipeline from Ervachintal In to Kommuthanda Vg In), falls under Khanapur RF for a length of 5384.855 M and with a Trench width 0.7/0.9/2.0M and the Total Area Required for diversion is 0.543 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.	NOC will be obtained and submitted from PR and R&B Department.
5	13	5	Nirmal	Khanapur	0.692	a) The proposed Pipe Line comes under segment 24 of TDWSP (Telangana Drinking Water Supply Project). A part of the pipe line proposed from S13-868 to S13-960 (The Line From Birnandi X Rd to Ervachintal Kolamguda Vg), falls under Khanapur RF for a length of 9886.160 M and with a Trench width 0.70 M and the Total Area Required for diversion is 0.692 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	NOC will be obtained and submitted from PR and R&B Department.
6	14	5	Nirmal	Khanapur	0.377	a) The proposed Pipe Line comes under segment 24 of TDWSP (Telangana Drinking Water Supply Project). From Segment of TDWSP Pipe Line Net Work, A part of the pipe line proposed from S14-961 to S14-1000 falls under Khanapur RF for a length of 5382.724 M and with a Trench width 0.70 M. The total area of Land diversion required is 0.377Hec. 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	NOC will be obtained and submitted from PR and R&B Department.
7	15	5	Nirmal	Khanapur	0.570	a) The proposed Pipe Line comes under segment 24 of TDWSP (Telangana Drinking Water Supply Project). From Segment of TDWSP Pipe Line Net Work, A part of the pipe line proposed from S5- 1040 to S5-1059 (i.e., The Pipe Line from Sathanpally In to Nagapur In) falls under Khanapur RF for a length of 5719.032 M and with a Trench width 0.90/1.80M. The total area of Land diversion required is 0.570 Hec. One Break Pressure Tank is proposed at the Timmapur Hillock at an Elevation + 499 M at S5- 190 which is available only on the Thimmapur Hillock which falls in the Yellareddy RF, this Break Pressure Tank is very much essential to cut down the high pressures in the Pipe Line Net Work. Further, there is no other alternate alignment to propose as the ground levels are not permitting as per the Hydraulic Design and if any change of alignment, the length of the Pipe Line increases abnormally and requires additional pumping which is not economical. The Pipe Line along the existing Road will help for future Operation & Maintenance activities.	NOC will be obtained and submitted from PR and R&B Department.

8	16	5	Nirmal	Khanapur	2.215	a) The proposed Pipe Line comes under segment 24 of TDWSP (Telangana Drinking Water Supply Project). From Segment of TDWSP Pipe Line Net Work, A part of the pipe line proposed falls under Pembri RF for a length of 14708.58 M and with a Trench width 0.70/0.9/1.60 M. (The Line from Rajura OHBR Jn to Rajura OHBR and Nagapur OHBR in to Nagapur OHBR) Approach Road of Length 656.829M with a width of 10M The total area of Land Diversion required is 2.215Hectares. Nagapur OHBR and Rajura OHBR proposed at an Elevation + 310 M and 420.00m respectively at S16-1064 and S16-1063, which is available only on the two Hillocks which falls in the Khanapur RF, these Tanks are very much essential to cut down the high pressures in the Pipe Line Net Work. Further, there is no other alternate alignment to propose as the ground levels are not permitting as per the Hydraulic Design and if any change of alignment, the length of the Pipe Line increases abnormally and requires additional pumping which is not economical. The Pipe Line along the existing Road will help for future Operation & Maintenance activities.	NOC will be obtained and submitted from PR and R&B Department.
9	17	5	Nirmal	Pembri	0.209	a) The proposed Pipe Line comes under segment 24 of TDWSP (Telangana Drinking Water Supply Project). A part of the pipe line proposed falls under Pembri RF for a length of 2324.663 M and with a Trench width 0.90M and the Total Area Required for diversion is 0.209 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.	NOC will be obtained and submitted from PR and R&B Department.
10	18	5	Nirmal	Pembri	0.802	a) The proposed Pipe Line comes under segment 24 of TDWSP (Telangana Drinking Water Supply Project). A part of the pipe line proposed falls under Pembri RF for a length of 10489.483 M and with a Trench width 0.70/0.90 M and the Total Area Required for diversion is 0.802 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	NOC will be obtained and submitted from PR and R&B Department.
11	19	5	Nirmal	Pembri	0.752	a) The proposed Pipe Line comes under segment 24 of TDWSP (Telangana Drinking Water Supply Project). From Segment of TDWSP Pipe Line Net Work, A part of the pipe line proposed falls under Pembri RF for a length of 9857.861 M and with a Trench width 0.70/0.90 M. The total area of Land diversion required is 0.752Hec. 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.	NOC will be obtained and submitted from PR and R&B Department.
12	20	5	Nirmal	Pembri	1.288	a) The proposed Pipe Line comes under segment 24 of TDWSP (Telangana Drinking Water Supply Project). From Segment of TDWSP Pipe Line Net Work, A part of the pipe line proposed from S20- 1426 to S20-1349 (i.e., The Pipe Line from Lingapur Jn to Alampally Hillock) falls under Pembri RF for a length of 14708.58 M and with a Trench width 0.70/0.9/1.60 M. (The Line from Alampally OHBR in to Alampally OHBR) Approach Road of Length 288.206 with a width of 10M The total area of Land Diversion required is 1.288Hectares. Alampally OHBR is proposed at the Allampalli Hillock at an Elevation + 310 M at S1-1 which is available only on the Allampalli Hillock which falls in the Pembri RF, This Tank is very much essential to cut down the high pressures in the Pipe Line Net Work. Further, there is no other alternate alignment to propose as the ground levels are not permitting as per the Hydraulic Design and if any change of alignment, the length of the Pipe Line increases abnormally and requires additional pumping which is not economical. The Pipe Line along the existing Road will help for future Operation & Maintenance activities.	NOC will be obtained and submitted from PR and R&B Department.

13	21	5	Nirmal	Pembi	2.772	a) The proposed Pipe Line comes under segment 24 of TDWSP (Telangana Drinking Water Supply Project). From Segment of TDWSP Pipe Line Net Work, A part of the pipe line proposed falls under Pembi RF for a length of 11728.823 M and with a Trench width 0.70/0.90/1.60 M. (The Line from Raidhari Jn to Raidhari OHBR) Approach Road of Length 1411.796M with a width of 10M The total area of Land Diversion required is 2.772Hectares.Raidhari GLBR is proposed at the Raidhari Hillock at an Elevation + 310 M at S1-1 which is available only on the Raidhari Hillock which falls in the Pembi RF, This Tanks is very much essential to cut down the high pressures in the Pipe Line Net WorkThe total area of Land diversion required is 2.772Hec. 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.	NOC will be obtained and submitted from PR and R&B Department.
14	22	5	Nirmal	Khanapur	0.616	a) The proposed Pipe Line comes under segment 24 of TDWSP (Telangana Drinking Water Supply Project). From Segment of TDWSP Pipe Line Net Work, A part of the pipe line proposed falls under Khanapur RF for a length of 8805.408 M and with a Trench width 0.70 M. The total area of Land Diversion required is 0.616Hectares.. Further, there is no other alternate alignment to propose as the ground levels are not permitting as per the Hydraulic Design and if any change of alignment, the length of the Pipe Line increases abnormally and requires additional pumping which is not economical. The Pipe Line along the existing Road will help for future Operation & Maintenance activities.	NOC will be obtained and submitted from PR and R&B Department.

"Counter Signed"

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Superintending Engineer,
TDWSP, Nirmal Circle.

Handwritten signature

Executive Engineer
TDWSP Circle, Nirmal

Handwritten signature

Chief Engineer
TDWSP, Hyderabad