

Justification for locating the project in forest area

Laying of pipe lines and Construction of other structures for providing safe drinking water to Manthani and Bhupalpally constituencies in Karimnagar and Warangal Districts, **Segment 15/7 – Manthani(WLM)**. Diversion of 7.762 Ha. in WLM Karimnagar East Division, of Forest land for 'Laying of pipe lines and Construction of other structures for providing safe drinking water to Manthani and Bhupalpally Constituencies, Karimnagar District, Segment 15/7 – Manthani'

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 in Manthani and Bhupalpally Constituencies, Karimnagar District.

The work "Laying of pipe lines and Construction of other structures for providing safe drinking water to Manthani and Bhupalpally Constituencies in Karimnagar District". 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 Structures in the Forest Area is essential to supply clear water through gravity mains to habitations in the Manthani and Bhupalpally Constituencies in Karimnagar 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 OHBR and there are no other possible alternative alignment.

Cost of the Project: 890.00 crores

Superintending Engineer
TDWSP Circle Karimnagar.

"Counter Signed"

Chief Engineer
TDWSP, Hyderabad

	A	B	C	D	E	F	G	H
1	Location wise Justification in the Forest Area (Segment -15-7 -MANTHANI),KARIMNAGAR EAST DIVISION							
2	FOR THE WORK "Laying of pipe lines and Construction of other structures for providing safe drinking water to Manthani and Bhupalpally Constituencies in Karimnagar District							
3	Sl.No	Set No	Division	Reserve forest Name	Area proposed for diversion in Hectares	LENGTH	Justification	Remarks
4	1	1	Karimnagar EAST (Wildlife)	Manthani Reserve Forest	0.523	5815.213	The proposed pipeline comes under segment 15 of TDWSP(Telangana Drinking Water Supply Project)- Segment -15-7 - Manthani. Part of pipeline is proposed from (The Proposed reach is Gravity Main(Dia 250 mm) falls in Khansabpet beat, Bhatpalli section of Manthani Range under - Manthani reserve Forest for a length of 5815.213 m and with a trench width of 0.9 m and the total area required is 0.523 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	2	1	Karimnagar EAST (Wildlife)	Manthani Reserve Forest	0.001	4.677	The proposed pipeline comes under segment 15 of TDWSP(Telangana Drinking Water Supply Project)- Segment -15-7 - Manthani. Part of pipeline is proposed from (The Proposed reach is Gravity Main(Dia 250 mm) falls in Khansabpet beat, Bhatpalli section of Manthani Range under - Manthani reserve Forest for a length of 4.677 m and with a trench width of 0.9 m and the total area required is 0.001 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.
6	3	1	Karimnagar EAST (Wildlife)	Manthani Reserve Forest	0.203	2905.327	The proposed pipeline comes under segment 15 of TDWSP(Telangana Drinking Water Supply Project)- Segment -15-7 - Manthani. Part of pipeline is proposed from (The Proposed reach is Gravity Main(Dia 110 mm) falls in Khansabpet beat, Bhatpalli section of Manthani Range under - Manthani reserve Forest for a length of 2905.327 m and with a trench width of 0.7 m and the total area required is 0.203 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	1	Karimnagar EAST (Wildlife)	Manthani Reserve Forest	0.031		The proposed BPT Structure comes under segment 15 of TDWSP(Telangana Drinking Water Supply Project)-Segment -15-7 - Manthani. The proposed structure falls in Khansabpet beat, Bhatpalli section of Manthani Range under - Manthani reserve Forest for a length of 20.00 m and width of 10m and the total area required is 0.031 Hectares. There is no other alternate alignment to propose the Structure 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	5	2	Karimnagar EAST (Wildlife)	Manthani Reserve Forest	0.229	3268.723	The proposed pipeline comes under segment 15 of TDWSP(Telangana Drinking Water Supply Project)- Segment -15-7 - Manthani. Part of pipeline is proposed from (The Proposed reach is Gravity Main(Dia 110 mm) falls in Gopalpur beat, Manthani section of Manthani under - Manthani- reserve Forest for a length of 3268.723 m and with a trench width of 0.7 m and the total area required is 0.229 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.

	A	B	C	D	E	F	G	H
	Sl.No	Set No	Division	Reserve forest Name	Area proposed for diversion in Hectares	LENGTH	Justification	Remarks
3								
6	6	2	Karimnagar EAST (Wildlife)	Manthani Reserve Forest	0.248	3536.886	The proposed pipeline comes under segment 15 of TDWSP(Telangana Drinking Water Supply Project)- Segment -15-7 - Manthani. Part of pipeline is proposed from (The Proposed reach is Gravity Main(Dia 90 mm) falls in Gopalpur beat, Manthani section of Manthani under - Manthani- reserve Forest for a length of 3536.886 m and with a trench width of 0.7 m and the total area required is 0.248 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								
7	7	3	Karimnagar EAST (Wildlife)	Tadicherla Reserve Forest	0.106	1514.957	The proposed pipeline comes under segment 15 of TDWSP(Telangana Drinking Water Supply Project)- Segment -15-7 - Manthani. Part of pipeline is proposed from (The Proposed reach is Gravity Main(Dia 90 mm) falls in Vallamkunta beat, Koyyur section of Bhupalpally Range under - Tadicherla reserve Forest for a length of 1514.957 m and with a trench width of 0.7 m and the total area required is 0.106 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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8	8	3	Karimnagar EAST (Wildlife)	Tadicherla Reserve Forest	0.799	3997.323	The proposed pipeline comes under segment 15 of TDWSP(Telangana Drinking Water Supply Project)- Segment -15-7 - Manthani. Part of pipeline is proposed from (The Proposed reach is Gravity Main(Dia 250 mm) falls in Mallaram beat, Tadicherla section of Bhupalpally Range under - Tadicherla reserve Forest for a length of 3997.323 m and with a trench width of 0.9 m and the total area required is 0.799 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								
9	9	3	Karimnagar EAST (Wildlife)	Tadicherla Reserve Forest	0.071		The proposed structure comes under segment 15 of TDWSP(Telangana Drinking Water Supply Project)- Segment -15-7 - Manthani. The proposed Structure falls in Mallaram beat, Tadicherla section of Bhupalpally Range under - Tadicherla reserve Forest for the total area required is 0.071 Hectares. There is no other alternate alignment to propose the Structure 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.
12								
10	10	4	Karimnagar EAST (Wildlife)	Manthani Reserve Forest	0.150	1663.964	The proposed pipeline comes under segment 15 of TDWSP(Telangana Drinking Water Supply Project)- Segment -15-7 - Manthani. Part of pipeline is proposed from (The Proposed reach is Gravity Main(Dia 200 mm) falls in Arenda beat, Bhatpalli section of Manthani Range under - Manthani reserve Forest for a length of 1663.964 m and with a trench width of 0.9 m and the total area required is 0.150 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								
11	11	4	Karimnagar EAST (Wildlife)	Manthani Reserve Forest	0.132	1891.281	The proposed pipeline comes under segment 15 of TDWSP(Telangana Drinking Water Supply Project)- Segment -15-7 - Manthani. Part of pipeline is proposed from (The Proposed reach is Gravity Main(Dia 110 mm) falls in Arenda beat, Bhatpalli section of Manthani Range under - Manthani reserve Forest for a length of 1891.281 m and with a trench width of 0.7 m and the total area required is 0.132 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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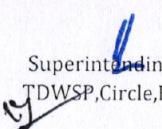
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	Sl.No	Set No	Division	Reserve forest Name	Area proposed for diversion in Hectares	LENGTH	Justification	Remarks
3								
15	12	5	Karimnagar EAST (Wildlife)	Mahadevpur Reserved Forest	0.617	5145.473	The proposed pipeline comes under segment 15 of TDWSP(Telangana Drinking Water Supply Project)- Segment -15-7 - Manthani. Part of pipeline is proposed from (The Proposed reach is Gravity Main(Dia 225 mm) falls in Annaram beat, Damerakunta section of Mahadevpur Range under - Mahadevpur reserve Forest for a length of 5145.473 m and with a trench width of 1.20 m and the total area required is 0.617 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	13	6	Karimnagar EAST (Wildlife)	Mahadevpur Reserved Forest	0.594	4952.342	The proposed pipeline comes under segment 15 of TDWSP(Telangana Drinking Water Supply Project)- Segment -15-7 - Manthani. Part of pipeline is proposed from (The Proposed reach is Gravity Main(Dia 200 mm) falls in Palugula beat, Kaleshawaram section of Mahadevpur Range under - Mahadevpur reserve Forest for a length of 4952.342 m and with a trench width of 1.20 m and the total area required is 0.594 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.
17	14	6	Karimnagar EAST (Wildlife)	Mahadevpur Reserved Forest	0.107	893.194	The proposed pipeline comes under segment 15 of TDWSP(Telangana Drinking Water Supply Project)- Segment -15-7 - Manthani. Part of pipeline is proposed from (The Proposed reach is Gravity Main(Dia 200 mm) falls in Chandrupalli beat, Kaleshawaram section of Mahadevpur Range under - Mahadevpur reserve Forest for a length of 893.194 m and with a trench width of 1.20 m and the total area required is 0.107 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	15	7	Karimnagar EAST (Wildlife)	Mahadevpur Reserved Forest	0.568	6307.507	The proposed pipeline comes under segment 15 of TDWSP(Telangana Drinking Water Supply Project)- Segment -15-7 - Manthani. Part of pipeline is proposed from (The Proposed reach is Gravity Main(Dia 180 mm) falls in Palugula beat, Kaleshwaram section of Mahadevpur Range under - Mahadevpur reserve Forest for a length of 6307.507 m and with a trench width of 0.9 m and the total area required is 0.568 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	16	7	Karimnagar EAST (Wildlife)	Mahadevpur Reserved Forest	0.110	1227.658	The proposed pipeline comes under segment 15 of TDWSP(Telangana Drinking Water Supply Project)- Segment -15-7 - Manthani. Part of pipeline is proposed from (The Proposed reach is Gravity Main(Dia 180 mm) falls in Palugula beat, Kaleshwaram section of Mahadevpur Range under - Mahadevpur reserve Forest for a length of 1227.658 m and with a trench width of 0.9 m and the total area required is 0.110 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	17	8	Karimnagar EAST (Wildlife)	Mahadevpur Reserved Forest	0.062	689.309	The proposed pipeline comes under segment 15 of TDWSP(Telangana Drinking Water Supply Project)- Segment -15-7 - Manthani. Part of pipeline is proposed from (The Proposed reach is Gravity Main(Dia 150 mm) falls in Kaleshwaram beat, Kaleshwaram section of Mahadevpur Range under - Mahadevpur reserve Forest for a length of 689.309 m and with a trench width of 0.90 m and the total area required is 0.062 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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3								
21	18	8	Karimnagar EAST (Wildlife)	Mahadevpur Reserved Forest	0.067	963.501	The proposed pipeline comes under segment 15 of TDWSP(Telangana Drinking Water Supply Project)-Segment -15-7 - Manthani. Part of pipeline is proposed from (The Proposed reach is Gravity Main(Dia 63 mm) falls in Beerasagar beat, Kaleshwaram section of Mahadevpur Range under - Mahadevpur reserve Forest for a length of 963.501 m and with a trench width of 0.70 m and the total area required is 0.067 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	19	9	Karimnagar EAST (Wildlife)	Singaram Reserved Forest	0.289	4128.894	The proposed pipeline comes under segment 15 of TDWSP(Telangana Drinking Water Supply Project)-Segment -15-7 - Manthani. Part of pipeline is proposed from (The Proposed reach is Gravity Main(Dia 110mm) falls in Palimela beat, Palimela section of Chintakani Range under - Singaram reserve Forest for a length of 4128.894 m and with a trench width of 0.7 m and the total area required is 0.289 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	20	9	Karimnagar EAST (Wildlife)	Singaram Reserved Forest	0.171	2439.250	The proposed pipeline comes under segment 15 of TDWSP(Telangana Drinking Water Supply Project)-Segment -15-7 - Manthani. Part of pipeline is proposed from (The Proposed reach is Gravity Main(Dia 63mm) falls in Pankena beat, Palimela section of Chintakani Range under - Singaram reserve Forest for a length of 2439.250 m and with a trench width of 0.7 m and the total area required is 0.171 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	21	9	Karimnagar EAST (Wildlife)	Singaram Reserved Forest	0.249	3551.315	The proposed pipeline comes under segment 15 of TDWSP(Telangana Drinking Water Supply Project)-Segment -15-7 - Manthani. Part of pipeline is proposed from (The Proposed reach is Gravity Main(Dia 110mm) falls in Pankena beat, Palimela section of Chintakani Range under - Singaram reserve Forest for a length of 3551.315 m and with a trench width of 0.7 m and the total area required is 0.249 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	22	10	Karimnagar EAST (Wildlife)	Singaram Reserved Forest	0.032	457.436	The proposed pipeline comes under segment 15 of TDWSP(Telangana Drinking Water Supply Project)-Segment -15-7 - Manthani. Part of pipeline is proposed from (The Proposed reach is Gravity Main(Dia 140 mm) falls in Sarvaipet beat, Mukunur section of Chintakani Range under - Singaram reserve Forest for a length of 457.436 m and with a trench width of 0.7 m and the total area required is 0.096 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.
26	23	10	Karimnagar EAST (Wildlife)	Singaram Reserved Forest	0.319	4564.279	The proposed pipeline comes under segment 15 of TDWSP(Telangana Drinking Water Supply Project)-Segment -15-7 - Manthani. Part of pipeline is proposed from (The Proposed reach is Gravity Main(Dia 140 mm) falls in Neelampally beat, Mukunur section of Chintakani Range under - Singaram reserve Forest for a length of 457.436 m and with a trench width of 0.7 m and the total area required is 0.319 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.

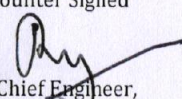
	A	B	C	D	E	F	G	H
3	Sl.No	Set No	Division	Reserve forest Name	Area proposed for diversion in Hectares	LENGTH	Justification	Remarks
27	24	10	Karimnagar EAST (Wildlife)	Singaram Reserved Forest	0.278	3972.164	The proposed pipeline comes under segment 15 of TDWSP(Telangana Drinking Water Supply Project)- Segment -15-7 - Manthani. Part of pipeline is proposed from (The Proposed reach is Gravity Main(Dia 110 mm) falls in Neelampally beat, Mukunur section of Chintakani Range under - Singaram reserve Forest for a length of 3972.164 m and with a trench width of 0.7 m and the total area required is 0.278 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	25	11	Karimnagar EAST (Wildlife)	Singaram Reserved Forest	0.084	1199.794	The proposed pipeline comes under segment 15 of TDWSP(Telangana Drinking Water Supply Project)- Segment -15-7 - Manthani. Part of pipeline is proposed from (The Proposed reach is Gravity Main(Dia 90 mm) falls in Yatnaram beat, Nimmagudem section of Chintakani Range under Singaram reserve Forest for a length of 1199.794 m and with a trench width of 0.7 m and the total area required is 0.084 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.

	A	B	C	D	E	F	G	H
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3								
	26	11	Karimnagar EAST (Wildlife)	Singaram Reserved Forest	0.801	11445.407	The proposed pipeline comes under segment 15 of TDWSP(Telangana Drinking Water Supply Project)-Segment -15-7 - Manthani. Part of pipeline is proposed from (The Proposed reach is Gravity Main(Dia 125 mm) falls in Singampally beat, Nimmagudem section of Chintakani Range under Singaram reserve Forest for a length of 11445.407 m and with a trench width of 0.7 m and the total area required is 0.801 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								
	27	11	Karimnagar EAST (Wildlife)	Singaram Reserved Forest	0.262	3749.964	The proposed pipeline comes under segment 15 of TDWSP(Telangana Drinking Water Supply Project)-Segment -15-7 - Manthani. Part of pipeline is proposed from (The Proposed reach is Gravity Main(Dia 90 mm) falls in Yatnaram beat, Nimmagudem section of Chintakani Range under Singaram reserve Forest for a length of 3749.964 m and with a trench width of 0.7 m and the total area required is 0.262 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.
30								
	28	11	Karimnagar EAST (Wildlife)	Singaram Reserved Forest	0.071	1010.955	The proposed pipeline comes under segment 15 of TDWSP(Telangana Drinking Water Supply Project)-Segment -15-7 - Manthani. Part of pipeline is proposed from (The Proposed reach is Gravity Main(Dia 125 mm) falls in Pegadapally beat, Borlagudem section of Azamnagar Range under Singaram reserve Forest for a length of 1010.955 m and with a trench width of 0.7 m and the total area required is 0.071 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.
31								
	29	12	Karimnagar EAST (Wildlife)	Singaram Reserved Forest	0.319	4552.491	The proposed pipeline comes under segment 15 of TDWSP(Telangana Drinking Water Supply Project)-Segment -15-7 - Manthani. Part of pipeline is proposed from (The Proposed reach is Gravity Main(Dia 110mm) falls in Kanukunoor beat, Kanukunoor section of Azamnagar Range under -Singaram reserve Forest for a length of 4552.491 m and with a trench width of 0.7 m and the total area required is 0.166 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.
32								
	30	13	Karimnagar EAST (Wildlife)	Singaram Reserved Forest	0.269	3839.980	The proposed pipeline comes under segment 15 of TDWSP(Telangana Drinking Water Supply Project)-Segment -15-7 - Manthani. Part of pipeline is proposed from (The Proposed reach is Gravity Main(Dia 140mm) falls in Khammampalli beat, Singaram section of Azamnagar Range under Singharam reserve Forest for a length of 3839.980m and with a trench width of 0.7m and the total area required is 0.269 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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35	Total				7.762	89689.264		
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41								

Superintending Engineer
TDWSP,Circle,Karimnagar



“Counter Signed”


Chief Engineer,
TDWSP,Hyderabad.

Superintending Engineer
TDWSP, Circle, Karimnagar

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Chief Engineer,
TDWSP, Hyderabad.