

In water supply sector sustainability of drinking water sources and systems is a major challenge in view of demand for irrigation and adverse seasonal conditions.

v) Increasing demand

Due to change in life styles & urbanization, most of the villagers are demanding household connections and increased level of water supply at their door step. Change in perception of people for better living standards is also leading to increased demand.

vi) Rural Areas and Urban Areas

Presently separate network from even from the same water source is planned for rural areas and urban areas due to which the cost of the project is increasing as the urban areas.

NRDWP Guidelines provides for "Gradual shift from over dependence on ground water to surface water sources, and conjunctive use of ground water, surface water and rainwater".

SALIENT FEATURES OF SEGMENT - 22

The Segment 22 covers 1819 habitations spreaded over 21 Mandals and Kaghaznagar & Bellampally Municipalities in 4 Assembly constituencies namely Sirpur, Bellampalli, Asifabad & Khanapur. The raw water will be collected from Komarambheem reservoir near Ada village from where the water will be pumped to headwork's near Manikguda of Asifabad Mandal & Dhanora of Kerimeri Mandal. Manikguda Gutta 1600KL GLBR serves 11 Mandals namely Bellampalli, Tandur, Bheemini, Nennel, Vemanapally, Kasipet, Kaghaznagar, Dahegaon, Sirpur T, Kowatala, Bejjur and Manikguda Gutta 350 KL GLBR serves 3 mandals namely Asifabad, Wankidi, Rebbana. Whereas the clear water sump at Dhanora Head works serves 7 mandals namely Kerimeri, Jainoor, Sirpur U, Tiryani, Narnoor, Utnoor, Indervelly.


Executive Engineer
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Superintending Engineer
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Chief Engineer

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Details of survey instruments

S.No	Name of the agency	Details of instrument used	Persons involved	Duration of survey
1	Vardhaman Engineers and consultance	DGPS instrument: OMNISTAR(Trimble), LEICA	Mr.Amarendher Mr.praveen Mr.Upendher	Nov, Dec 2015 & Jan 2016


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DETAILS OF FOREST AREA INVOLVED IN BEJJUR SEG-22/2, ADILABAD DISTRICT

S.NO	DIVISION	RANGE	SECTION	BEAT	BLOCK	COMP_NO	Set	Dia	Length_mt	Width_mts	Area
1	2	3	4	5	6	7	8	9	10	11	12
1	KAGAZNAGAR	BIJJUR	SULGUPALLY	SULGUPALLY	BIJJUR	225	1	75	212.678	0.70	0.015
2	KAGAZNAGAR	BIJJUR	SULGUPALLY	SULGUPALLY	BIJJUR	230	1	300	1030.185	0.90	0.093
3	KAGAZNAGAR	BIJJUR	SULGUPALLY	SULGUPALLY	BIJJUR	227	2	300	7444.766	0.90	0.670
4	KAGAZNAGAR	BIJJUR	SULGUPALLY	KONDAPALLY	KADAMBA_EXTN-VI	1	3	300	3291.475	0.90	0.296
5	KAGAZNAGAR	KAGAZNAGAR	BOMBAIGUDA	BOMBAIGUDA	KADAMBA	155	3	140	3454.994	0.70	0.242
6	KAGAZNAGAR	KAGAZNAGAR	BOMBAIGUDA	BOMBAIGUDA	KADAMBA	155	3	125	457.106	0.70	0.032
7	KAGAZNAGAR	BIJJUR	BIJJUR	BIJJUR	BIJJUR	243	4	140	1519.400	0.70	0.106
8	KAGAZNAGAR	BIJJUR	BIJJUR	BIJJUR	BIJJUR	243	4	150	413.075	0.90	0.037
9	KAGAZNAGAR	BIJJUR	BIJJUR	BIJJUR	BIJJUR	243	4	150	3983.765	0.90	0.359
10	KAGAZNAGAR	BIJJUR	BIJJUR	PAPANPET	BIJJUR	258	4	125	1724.451	0.70	0.121
11	KAGAZNAGAR	BIJJUR	BIJJUR	PAPANPET	BIJJUR	258	4	100	3860.993	0.70	0.270
12	KAGAZNAGAR	BIJJUR	BIJJUR	PAPANPET	BIJJUR	258	4	140	313.819	0.70	0.022
13	KAGAZNAGAR	BIJJUR	BIJJUR	PAPANPET	BIJJUR	245	5	150	4024.870	0.90	0.362
14	KAGAZNAGAR	BIJJUR	PENCHIKALPET	GUNDEPALLY	BIJJUR	255	5	100	3088.544	0.90	0.278
15	KAGAZNAGAR	BIJJUR	PENCHIKALPET	GUNDEPALLY	BIJJUR	255	5	75	438.490	0.70	0.031
16	KAGAZNAGAR	BIJJUR	PENCHIKALPET	GUNDEPALLY	BIJJUR	253	5	75	485.472	0.70	0.034
17	KAGAZNAGAR	BIJJUR	BIJJUR	MURLIGUDA	BIJJUR	267	6	100	4418.849	0.90	0.398
18	KAGAZNAGAR	BIJJUR	BIJJUR	MURLIGUDA	BIJJUR	267	6	100	3379.947	0.90	0.304
19	KAGAZNAGAR	BIJJUR	PENCHIKALPET	GUNDEPALLY	BIJJUR	267	6	100	18.456	0.90	0.002
20	KAGAZNAGAR	BIJJUR	PENCHIKALPET	GUNDEPALLY	BIJJUR	267	6	100	35.863	0.90	0.003
21	KAGAZNAGAR	BIJJUR	PENCHIKALPET	GUNDEPALLY	BIJJUR	267	6	100	109.704	0.90	0.010
22	KAGAZNAGAR	BIJJUR	PENCHIKALPET	GUNDEPALLY	BIJJUR	267	6	-	-	GLBR	0.042
23	KAGAZNAGAR	BIJJUR	PENCHIKALPET	GUNDEPALLY	BIJJUR	267	6	-	-	SUMP	0.149
						TOTAL			43706.902		3.876


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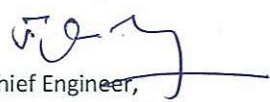

 Chief Engineer,
 TDWSP, Hyderabad

AREA STATEMENT - BEJJUR SEGMENT - 22 /2- ADILABAD DISTRICT						
Set	Structure type	Pipe Dia	Length in m	width m	Area_Ha	Total area in Ha
1	PIPELINE	300.00	1030.185	0.90	0.093	0.108
	PIPELINE	75.00	212.678	0.70	0.015	
2	PIPELINE	300.00	7444.766	0.90	0.670	0.670
3	PIPELINE	140.00	3454.994	0.70	0.242	0.570
	PIPELINE	125.00	457.106	0.70	0.032	
	PIPELINE	300.00	3291.475	0.90	0.296	
4	PIPELINE	125.00	1724.451	0.70	0.121	0.915
	PIPELINE	100.00	3860.993	0.70	0.270	
	PIPELINE	140.00	313.819	0.70	0.022	
	PIPELINE	140.00	1519.400	0.70	0.106	
	PIPELINE	150.00	413.075	0.90	0.037	
5	PIPELINE	150.00	3983.765	0.90	0.359	0.705
	PIPELINE	150.00	4024.870	0.90	0.362	
	PIPELINE	75.00	485.472	0.70	0.034	
	PIPELINE	100.00	3088.544	0.90	0.278	
6	PIPELINE	75.00	438.490	0.70	0.031	0.908
	PIPELINE	100.00	4418.849	0.90	0.398	
	PIPELINE	100.00	3379.947	0.90	0.304	
	PIPELINE	100.00	18.456	0.90	0.002	
	PIPELINE	100.00	35.863	0.90	0.003	
	PIPELINE	100.00	109.704	0.90	0.010	
	GLBR	-	-	-	0.042	
	SUMP	-	-	-	0.149	
TOTAL			43706.902		3.876	3.876


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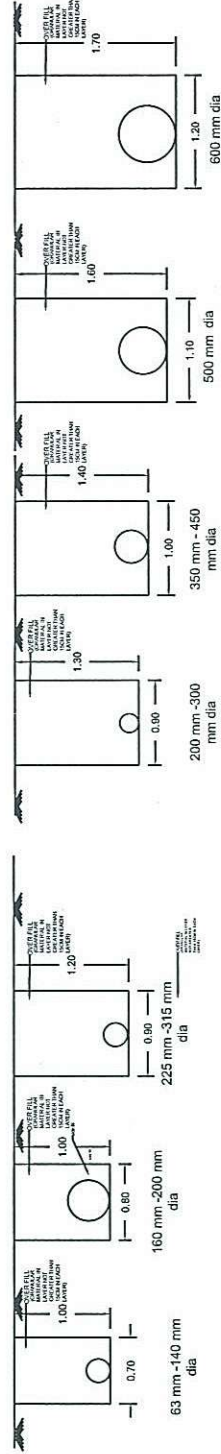
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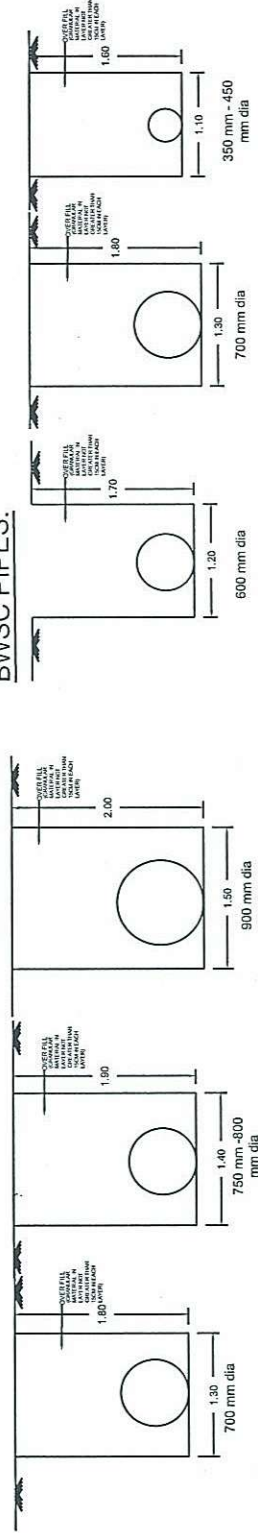

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TELANGANA DRINKING WATER SUPPLY PROJECT SEGMENT- 22 ADIL ABAD DIST. SECTION SHOWING THE PIPELINE CROSS SECTIONS

HDPE PIPES:

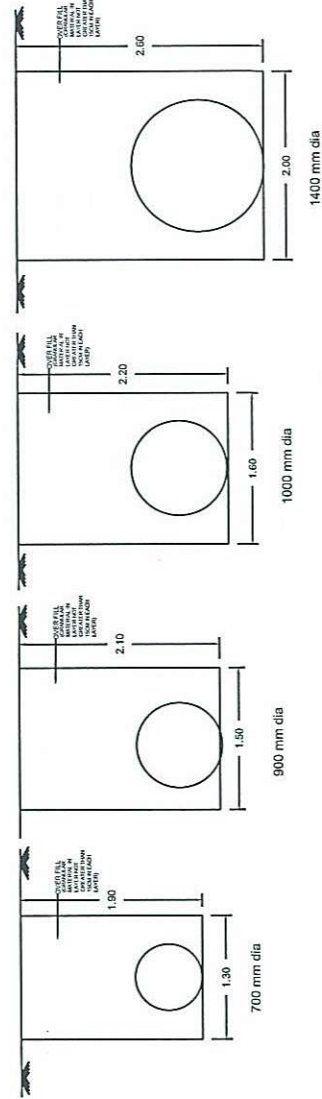


DI PIPES:



BWSC PIPES:

MS PIPES:

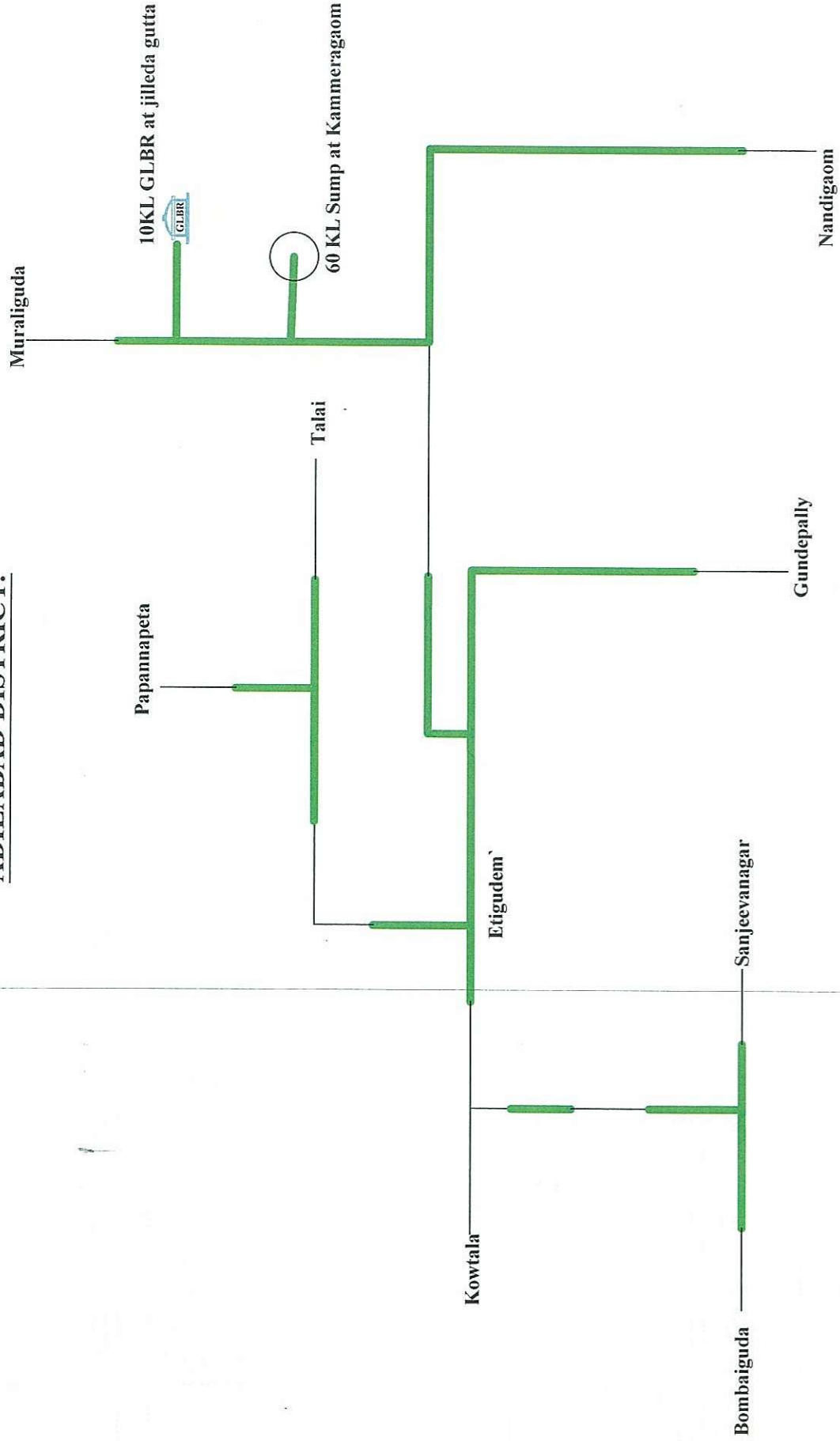


ALL DIMENSIONS ARE IN METRES
UNLESS OTHERWISE SPECIFIED

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EET/row
As per

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**FLOW CHART SHOWING PIPE LINE UNDER BEJJUR SEGMENT-22/2,
ADILABAD DISTRICT.**



Note:
Green Line-Pipe line in forest.

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