

DETAILED NOTE ON THE PROJECT

Back ground and need of the Project:

Safe drinking water is primary need of life. Contaminated drinking water is causing health hazards to millions of people. Scarcity of water is also one of the problems which hamper the social and economical development of the people.

Provision of safe drinking water deserves priority to improve the health and economical development of the area. Govt. of Telangana has announced a prestigious project "Telangana drinking water Supply Project" in which the aim is to provide safe drinking water to all the habitations from surface sources on sustainable basis with enhanced supply level of 100 liters per head.

Details of the Project:

For this segment 25/14 under Phase-II, the government have sanctioned an amount of Rs.251.99 Crores vide GO.MS. No.392, dt:23.06.2015 of PR &RD(RWS-I) Hyderabad.

The raw water is drawn from the Godavari River at Three different locations(ie at Dummugudem anicut, Pusuru and Parnasala) and also from Kinnerasani River for Gundala mandal. 1)The Source Dummududem anicut at Kummarigudem is designed to cover 17 Mandals, Raw water from intake well is pumped to Rapid Sand Filters at Thoggudem (V) the Filtered/Clear water is collected in 18600KL Sump and from there the clear water is Pumped to 1200KL GLBR at Thoggudem gutta and from there the Drinking water is Supplied to Villages of **Dmmapeta and Aswaraopeta** Mandals through Gravity.

Proposed Project area and coverage in Segment – 25/14:

Name of Source	::	Godavari River	
Constituencies Covering	::	01	
No. of Mandals Covering	::	04	
No. of Habs Covering	::	339 Habitations	
Population Covering	::	Rural	140044
Water Requirement (2048)	::	0.379 TMC	
Length of Trunk Main	::	18.00 Km.	
Length of Secondary Mains	::	645 Km.	
No. Of Treatment Plants	::	0	
Total Cost of the Segment	::	Rs. 251.99 Cr.	



Superintending Engineer
TDWSP Circle, Khammam

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Statement showing the proposal for permission for laying the drinking water supply pipe line in reserve forest area in Khammam District.

Segment 25/14(Balaraju gutta)

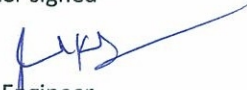
The area of operation for clearance is as follows :

	Stretches	Length in mts	Dia of pipe in mm	Width	Depth	Area in Hectares
1	From Clear water sump to GLBR at Balarajugutta in Palvancha Division	3518.280	63 to 900 mm	0.70 - 1.50	1.00 - 2.00	0.246
2		Struture				
3	From GLBR at Balarajugutta in Khammam Division	33138.000	63 to 900 mm	0.70 - 1.50	1.00 - 2.00	3.60
2	GLBRS and other structures at Balaraju gutta	Struture				0.817
	Total	36656.280				4.660
	Area required	4.6600	Ha			



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AREA STATEMENT OF BALRAJGUTTA SEGMENT-NO 25-14 - KHM							
Set	Structure type	Pipe Dia	width m	Length in m	Area_Ha	Total area in Ha	Division
1	PIPELINE	63	0.70	783.02452	0.055	1.247	khammam
	PIPELINE	600	1.20	2693.50209	0.323		khammam
	PIPELINE	1200	8.00	64.89057	0.052		khammam
	GLBR	-	-	-	0.817		khammam
2	PIPELINE	90	0.70	932.07863	0.065	0.144	khammam
	PIPELINE	140	0.70	1128.44134	0.079		khammam
3	PIPELINE	300	0.90	3018.37145	0.272	0.515	khammam
	PIPELINE	63	0.70	3469.63127	0.243		khammam
4	PIPELINE	300	1.10	1362.26041	0.150	0.672	khammam
	PIPELINE	300	1.10	3600.07961	0.396		khammam
	PIPELINE	300	1.10	1149.56011	0.126		khammam
5	PIPELINE	63	0.70	2837.01534	0.199	0.280	khammam
	PIPELINE	90	0.70	1157.39524	0.081		khammam
6	PIPELINE	110	0.70	2483.93317	0.174	0.246	palvancha
	PIPELINE	90	0.70	1034.34981	0.072		palvancha
7	PIPELINE	90	0.70	2342.39209	0.164	0.471	khammam
	PIPELINE	125	0.70	1476.31484	0.103		khammam
	PIPELINE	125	0.70	2920.57485	0.204		khammam
8	PIPELINE	250	0.90	803.00006	0.072	0.165	khammam
	PIPELINE	200	0.80	1160.89534	0.093		khammam
9	PIPELINE	90	0.70	1665.53802	0.117	0.920	khammam
	PIPELINE	63	0.70	4894.58252	0.343		khammam
	PIPELINE	125	0.80	2657.29391	0.213		khammam
	PIPELINE	90	0.70	1086.83468	0.076		khammam
	PIPELINE	125	0.80	988.05378	0.079		khammam
	PIPELINE	63	0.70	108.52937	0.008		khammam
	PIPELINE	90	0.70	1205.85473	0.084		khammam
TOTAL				47024.39777	4.660	4.660	



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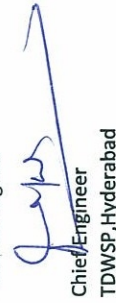
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TDWSP, Hyderabad

sno	circle	Dist	Division	Range	Section	Beat	Cop no	Set no	Lenath	width	Dia	SEG no	Area.Hc
1	KHAMMAM	KHAMMAM	PALONCHA	KUKUNOOR	KUKUNOOR	KUKUNOOR	5	6	1034.34980919000	0.70000000000	90	25-14	0.072
2	KHAMMAM	KHAMMAM	KHAMMAM	DAMMAPET	TIRUMALKUNTA	MADDULAMADA	236	5	2837.01533676000	0.70000000000	63	25-14	0.199
3	KHAMMAM	KHAMMAM	KHAMMAM	DAMMAPET	TIRUMALKUNTA	DURDAPADU	239	6	2483.93316728000	0.70000000000	110	25-14	0.174
4	KHAMMAM	KHAMMAM	KHAMMAM	DAMMAPET	TIRUMALKUNTA	DURDAPADU	242	5	1157.39523726000	0.70000000000	90	25-14	0.081
5	KHAMMAM	KHAMMAM	KHAMMAM	DAMMAPET	TIRUMALKUNTA	DURDAPADU	242	7	2342.39209402000	0.70000000000	90	25-14	0.164
6	KHAMMAM	KHAMMAM	KHAMMAM	DAMMAPET	VINAYAKAPURAM	NARAYANAPURAM	255	7	2920.57484813000	0.70000000000	125	25-14	0.204
7	KHAMMAM	KHAMMAM	KHAMMAM	DAMMAPET	N.J.PURAM	ANKAMPALEM	211	4	1362.26041256000	1.10000000000	300	25-14	0.150
8	KHAMMAM	KHAMMAM	KHAMMAM	DAMMAPET	TIRUMALKUNTA	MADDULAMADA	223	4	3600.07961120000	1.10000000000	300	25-14	0.396
9	KHAMMAM	KHAMMAM	KHAMMAM	DAMMAPET	VINAYAKAPURAM	NARAYANAPURAM	257	7	1476.31484222000	0.70000000000	125	25-14	0.103
10	KHAMMAM	KHAMMAM	KHAMMAM	DAMMAPET	N.J.PURAM	PUSAKUNTA	322	4	1149.56010823000	1.10000000000	300	25-14	0.126
11	KHAMMAM	KHAMMAM	KHAMMAM	DAMMAPET	VINAYAKAPURAM	GOPANNAGUDEM	259	9	2657.29391219000	0.80000000000	125	25-14	0.213
12	KHAMMAM	KHAMMAM	KHAMMAM	DAMMAPET	ASWARAOPETA	ANANTHARAM	266	9	4894.58252104000	0.70000000000	63	25-14	0.343
13	KHAMMAM	KHAMMAM	KHAMMAM	DAMMAPET	VINAYAKAPURAM	NARAYANAPURAM	298	8	803.00006223400	0.90000000000	250	25-14	0.072
14	KHAMMAM	KHAMMAM	PALONCHA	KUKUNOOR	KAVADIGUNDLA	KANTLAM	47	9	1205.85472737000	0.70000000000	90	25-14	0.084
15	KHAMMAM	KHAMMAM	KHAMMAM	DAMMAPET	VINAYAKAPURAM	GOPANNAGUDEM	277	9	988.05378200700	0.80000000000	125	25-14	0.079
16	KHAMMAM	KHAMMAM	KHAMMAM	DAMMAPET	VINAYAKAPURAM	GOPANNAGUDEM	259	9	108.52936641600	0.70000000000	63	25-14	0.008
17	KHAMMAM	KHAMMAM	KHAMMAM	DAMMAPET	VINAYAKAPURAM	VINAYAKAPURAM	287	8	1160.89534492000	0.80000000000	200	25-14	0.093
18	KHAMMAM	KHAMMAM	KHAMMAM	DAMMAPET	VINAYAKAPURAM	GOPANNAGUDEM	277	9	1086.83468284000	0.70000000000	90	25-14	0.076
19	KHAMMAM	KHAMMAM	KHAMMAM	DAMMAPET	DOMMAPETA	DAMMAPET	318	1	2693.50209201000	1.20000000000	600	25-14	0.323
20	KHAMMAM	KHAMMAM	KHAMMAM	DAMMAPET	DOMMAPETA	DAMMAPET		1	Structure	GLBR			0.817
21	KHAMMAM	KHAMMAM	KHAMMAM	DAMMAPET	NAGUPALLY	GANDUGUJAPALLI	318	1	64.89057471630	8.00000000000	1200	25-14	0.052
22	KHAMMAM	KHAMMAM	KHAMMAM	DAMMAPET	VINAYAKAPURAM	GOPANNAGUDEM	321	9	1665.53801672000	0.70000000000	90	25-14	0.117
23	KHAMMAM	KHAMMAM	KHAMMAM	DAMMAPET	DOMMAPETA	DAMMAPET	317	1	783.02452471500	0.70000000000	63	25-14	0.055
24	KHAMMAM	KHAMMAM	KHAMMAM	DAMMAPET	ASWARAOPETA	ASWARAOPETA	293	3	3469.63127273000	0.70000000000	63	25-14	0.243
25	KHAMMAM	KHAMMAM	KHAMMAM	DAMMAPET	ASWARAOPETA	ASWARAOPETA	295	3	3018.37145237000	0.90000000000	300	25-14	0.272
26	KHAMMAM	KHAMMAM	KHAMMAM	DAMMAPET	DOMMAPETA	MUSTIBANDA	311	2	932.07863241800	0.70000000000	90	25-14	0.065
27	KHAMMAM	KHAMMAM	KHAMMAM	DAMMAPET	DAMMAPETA	MANDALPALLI	307	2	1128.44133607000	0.70000000000	140	25-14	0.079
												Total Hc	4.660



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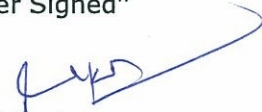
DETAILS OF SURVEY INSTRUMENTS USED

Sl.no	Name of the Agency	Instruments used	Persons involved	Period of survey
1	M/S Laxman Enterprises Pvt Ltd, HYD	DGPS make, Trimble R4, Dual freq.	Bhaskar Ramesh Sangameswar Laxman rao	March 2016



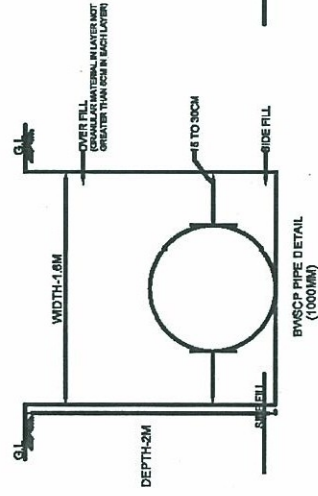
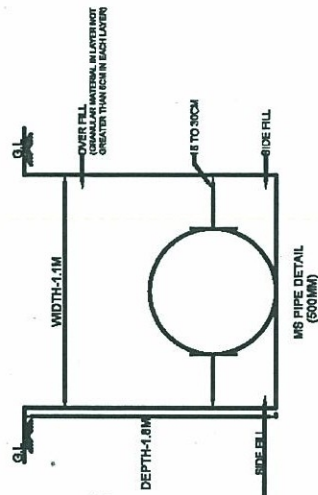
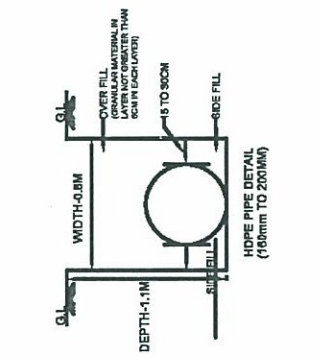
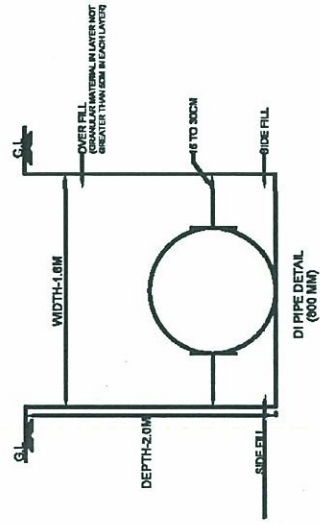
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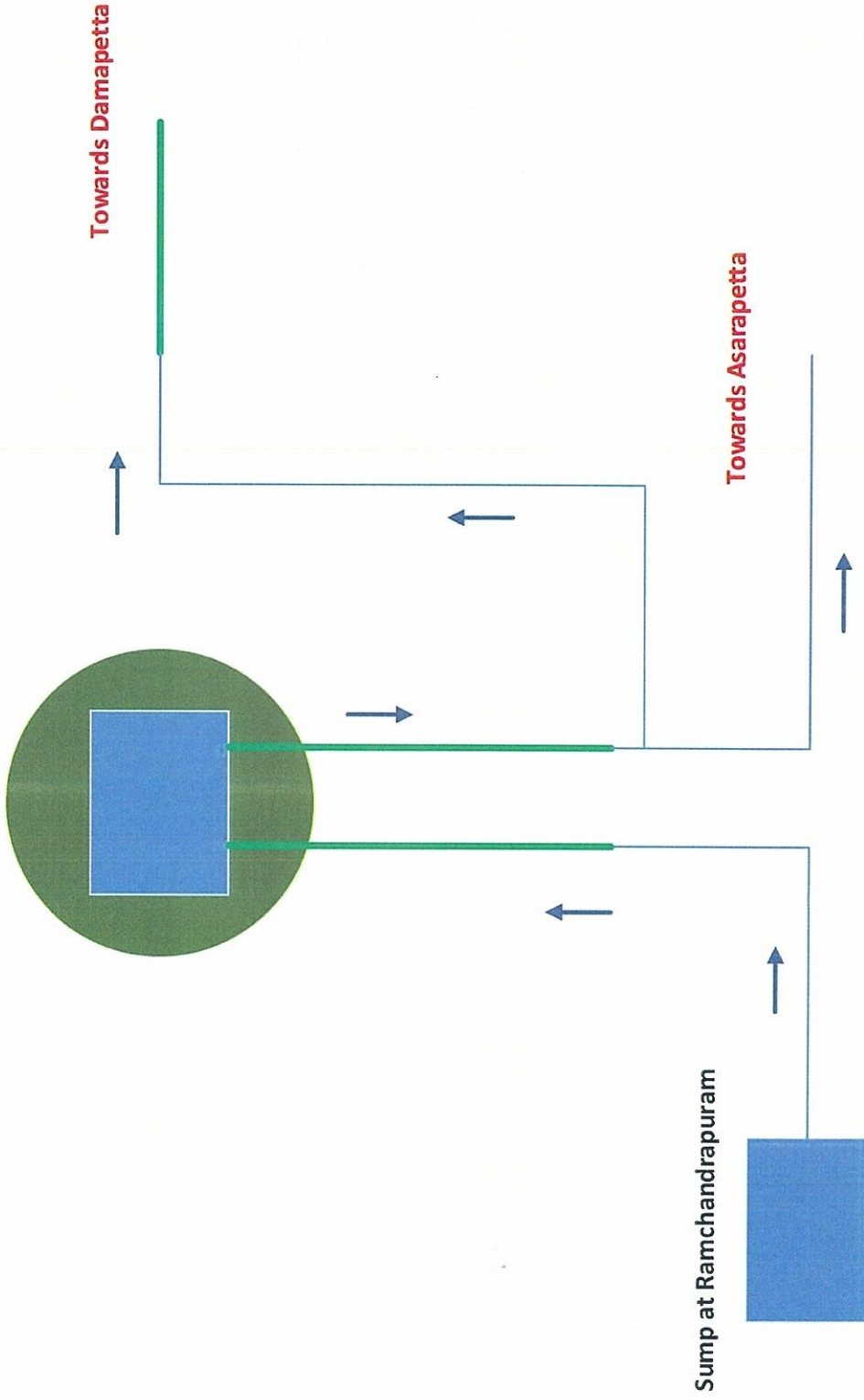
TELANGANA DRINKING WATER SUPPLY PROJECT - SEGMENT-26/5
 MAP SHOWING PIPELINE CROSS-SECTION IN FOREST AREA OF KHAMMAM.



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Supra Engineering
 Hyderabad, Khammam

GLBR at Danavula Gutta



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