

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 25/4(Regalla gutta) under Phase-II, the government have sanctioned an amount of Rs.160.02 Crores vide GO.MS. No.82, Dt.07-02-2015 of PR&RD and the following item of works will be taken up:

1. Intake well in Godavari river for 18 Mandals of Godavari segment.
2. Raw water pumping mains to WTP at Ratham gutta Reserve Forest.
3. 40MLD Water Treatment Plant at Ratham gutta Forest.

The project is located in Khammam District. The Intakewell is at Godavari River in Aswapuram mandal, Raw water pumping main is from Kummarigudem intakewell to Ratham gutta hills WTP near Mittagudem village in Aswapuram mandal. The gravity pipe lines will be laid nearer to Gundala Mandal. The WTP proposed at Manuguru south beat in Manuguru section near Mittagudem village in Aswapuram Mandal to supply treated water to Pinapaka Constituency. By this work the Raw water will be pumped from the Intake well to proposed Water Treatment Plant in Ratham gutta Reserve Forest then treated water will be distributed by gravity mains.

Proposed Project area and coverage in Segment – 25/4 (Regalla gutta):

Name of Source	::	Godavari River	
Constituencies Covering	::	Pinapaka,Aswaraopeta,Kothagudem,Yellandu,Sathupally(part) and wyra(part)	
No. of Mandals Covering	::	5 Mandals	
No. of Habs Covering	::	182 Habitations	
Population Covering	::	Rural	217497
Water Requirement (2048)	::	0.436 TMC	
Length of Trunk Main	::	20.7 Km.	
Length of Secondary Mains	::	445 Km.	
No. Of Treatment Plants	::	1 No., 40 MLD	
Total Cost of the Segment	::	Rs. 175.0 Cr.	

The raw water will be collected at intake well at Kummarigudem and then it will be pumped with gravity mains of 63mm to 400mm diam Pipeline passes through the forest at end where it enters into WTP for a length of 60626.37 rmt only. The raw water will be treated at 40MLD Water Treatment Plant in Ratham gutta Reserve Forest area at Manuguru south Beat in forest land. The treated water will be distributed by gravity pipeline passes through the forest for a length of 60626.37 rmt only to cross forest land from WTP to non forest land then water will be supplied to villages of Gundala mandal.

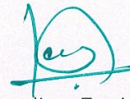
Superintending Engineer
RWS&S Circle, Khammam

"Counter Signed"

Chief Engineer
TDWSP,Hyderabad

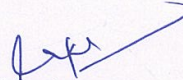
DETAILS OF SURVEY INSTRUMENTS USED

Sl.no	Name of the Agency	Instruments used	Persons involved	Period of survey
1	M/S Laxman Enterprises, HYD	DGPS make, Trimble R4, Dual freq. and south precision and ETS	Sangameshwar rao	May 2016



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BEAT RANGE FORMAT **GODAVARI SEGMENT 25/4**

S.No	DISTRICT	SEGMENT NAME	DIVIS.ON	BLOCKNAME	RANGE	SECTION	BEAT	COMP_NO	AREA_Ha
1	2	3	4	5	6	7	8	9	10
1	KHAMMAM	GODAVARI	KOTHAGUDEM	DAMARTOGU	GUNDAL	GUNDAL	DAMARTOGU	7	0.575
2	KHAMMAM	GODAVARI	KOTHAGUDEM	DAMARTOGU	GUNDAL	GUNDAL	GUNDALA	7	0.085
3	KHAMMAM	GODAVARI	KOTHAGUDEM	DAMARTOGU	GUNDAL	GUNDAL	GUNDALA	15	0.377
4	KHAMMAM	GODAVARI	KOTHAGUDEM	DAMARTOGU_EXT	GUNDAL	GUNDAL	GUNDALA	1	0.081
5	KHAMMAM	GODAVARI	KOTHAGUDEM	DAMARTOGU	GUNDAL	GUNDAL	GUNDALA	21	0.081
6	KHAMMAM	GODAVARI	KOTHAGUDEM	DAMARTOGU	GUNDAL	GUNDAL	GUNDALA	16	0.034
7	KHAMMAM	GODAVARI	KOTHAGUDEM	DAMARTOGU	GUNDAL	GUNDAL	GUNDALA	14	0.287
8	KHAMMAM	GODAVARI	KOTHAGUDEM	GUNDALA	GUNDAL	GUNDAL	GUNDALA	19	0.294
9	KHAMMAM	GODAVARI	KOTHAGUDEM	GUNDALA	GUNDAL	GUNDAL	GUNDALA	6	0.201
10	KHAMMAM	GODAVARI	KOTHAGUDEM	SHETPALLI	KOMRARAM	KOMRARAM	MARRIGUDEM	2	0.266
11	KHAMMAM	GODAVARI	KOTHAGUDEM	GUNDALA	GUNDAL	GUNDAL	GUNDALA	11	0.294
12	KHAMMAM	GODAVARI	KOTHAGUDEM	SHETPALLY	KOMRARAM	KOMRARAM	MARRIGUDEM	14	0.268
13	KHAMMAM	GODAVARI	KOTHAGUDEM	SHETPALLI	KOMRARAM	KOMRARAM	MANIKYARAM	18	0.126
14	KHAMMAM	GODAVARI	KOTHAGUDEM	DAMARTOGU	GUNDAL	GUNDAL	KACHANAPALLI	5	0.059
15	KHAMMAM	GODAVARI	KOTHAGUDEM	GUNDALA	GUNDAL	GUNDAL	KACHANAPALLI	41	0.672
16	KHAMMAM	GODAVARI	KOTHAGUDEM	GUNDALA	GUNDAL	GUNDAL	KACHANAPALLI	53	0.369
17	KHAMMAM	GODAVARI	KOTHAGUDEM	GUNDALA	GUNDAL	GUNDAL	KACHANAPALLI	39	0.158
18	KHAMMAM	GODAVARI	KOTHAGUDEM	KACHANPALLI	GUNDAL	GUNDAL	KACHANAPALLI	3	0.109
							"Counter signed"		4.336

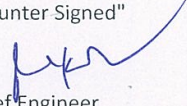

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AREA STATEMENT - SEGMENT - 25/4 - KHAMMAM						
Set	Structure type	Pipe Dia	width m	Length in m	Area_Ha	Total area in Ha
1	Pipeline	110.00	0.700	8220.521	0.575	0.575
2	Pipeline	63.00	0.700	1214.578	0.085	0.543
	Pipeline	160.00	0.800	4715.840	0.377	
	Pipeline	75.00	0.700	1162.572	0.081	
3	Pipeline	63.00	0.700	490.518	0.034	0.115
	Pipeline	63.00	0.700	1150.371	0.081	
4	Pipeline	63.00	0.700	4098.878	0.287	0.287
5	Pipeline	63.00	0.700	4195.486	0.294	0.495
	Pipeline	140.00	0.700	2872.609	0.201	
6	Pipeline	140.00	0.700	4198.332	0.294	0.560
	Pipeline	90.00	0.700	3800.152	0.266	
7	Pipeline	75.00	0.700	3834.062	0.268	0.394
	Pipeline	63.00	0.700	1793.930	0.126	
8	Pipeline	63.00	0.700	847.415	0.059	0.731
	Pipeline	110.00	0.700	9604.042	0.672	
9	Pipeline	160.00	0.800	4608.149	0.369	0.636
	Pipeline	63.00	0.700	1563.823	0.109	
	Pipeline	110.00	0.700	2255.092	0.158	
TOTAL AREA				60626.370	4.336	4.336


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Segment 25/4(REGALLA GUTTA)

	Stretches	Length in mts	Dia of pipe in mm	Width	Depth	Area in Hectares
1	Fpipe lines from Regallagutta to Gundala mandal	60626.370	63 -400 mm	0.70-1.00	1.00	4.336

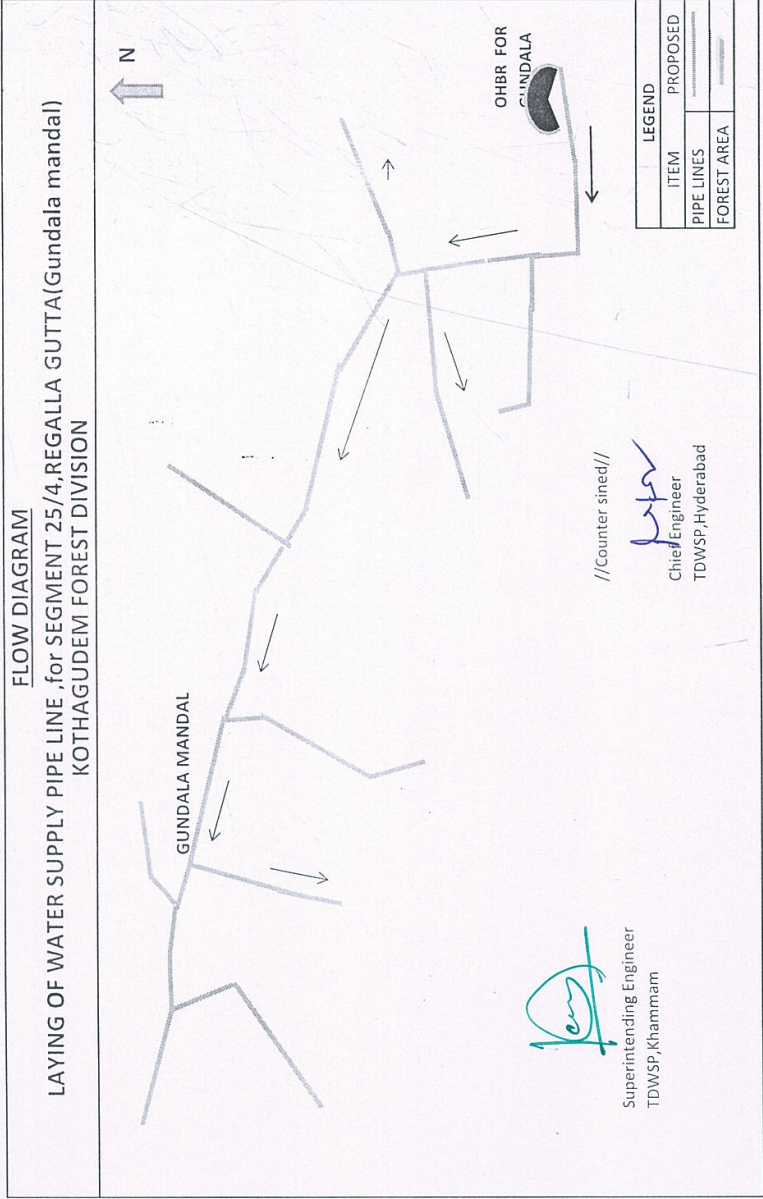
Total	60626.370	4.336
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Area required 4.3360 Ha

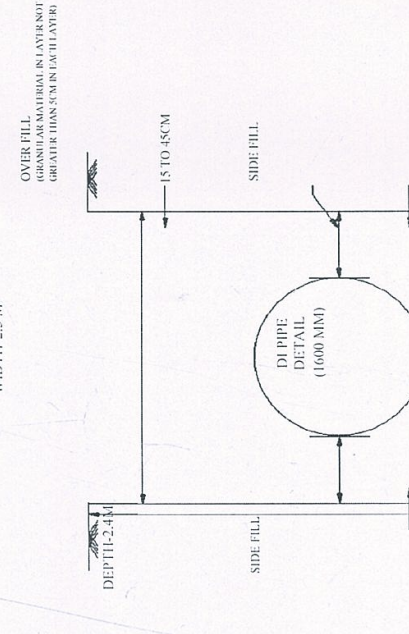
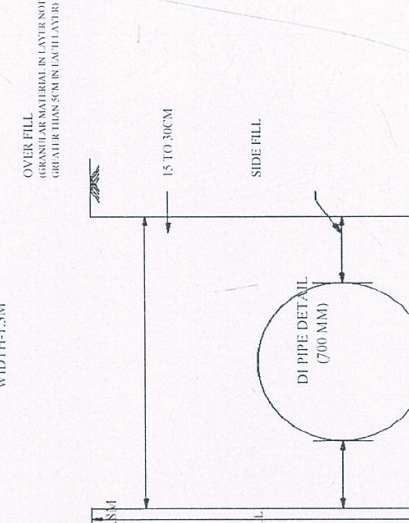
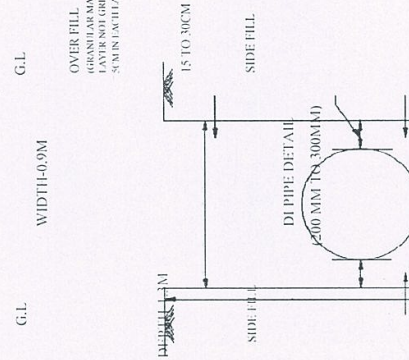
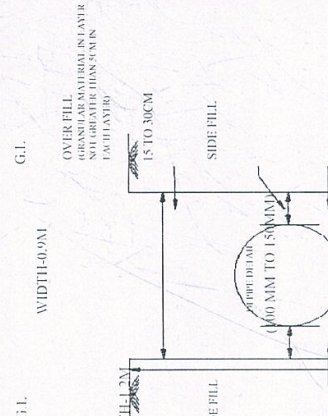
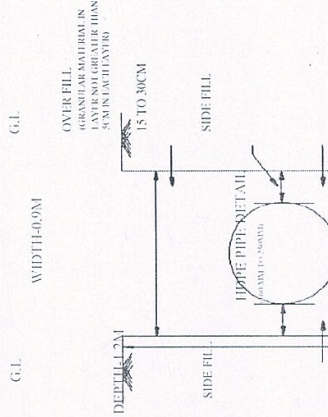
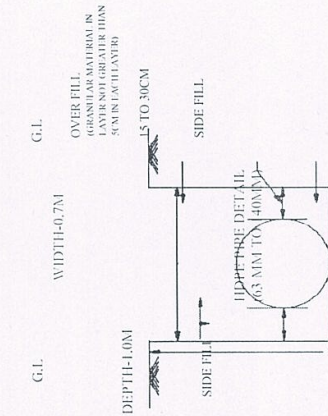

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TELANGANA DRINKING WATER SUPPLY PROJECT SEGMENT-25/4 REGALLA
GUTTA MAP SHOWING PIPELINE CROSS-SECTION IN FOREST AREA OF
KOTHIAGUDEM



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Chief Engineer

TDWSP (RWS&S), Hyderabad.