


HYDRALIC PARTICULARS OF GUNDLAMADUGU DISTRIBUTORY TAKING OFF TAKE AT KM 35.000 OF P.B.C

R/S		L/S
PBC OT @ KM 35.000		
Total Ayacut : 808.42 Ac B.L.236.648 0.200 km 1R F.C 38.58 Acres Km 0.540 L= 1400 mts 3R F.C 27.72 Acres B.L 235.303, L= 1000 mts B.L 232.839 , Km 1.250 5R FC, 27.86 Acres Km 1.250 L = 300 mts, B.L 232.815 B.L 231.239 Km 1.880 7R F.C , 11.80 Acres Km 1.900 L=1000 mts 9R F.C, 8.01 Acres , L= 1300 mts, B.L =229.437 11R FC, 27.75 Acres Km 2.560 B.L 227.792, L= 1200 mts Total Abstract Main Distributory =409.560 AC 1 L Minor = 212.00 AC 2 L Minor = 186.86 AC Total Ayacut =808.42 AC	 GUNDLAMADUGU DISTRIBUTORY	KM 0.200 1 L minor 212.000 Acres Km 0.540 060 Drop 2 L F.c 38.23 AC B.L 236.478 L= 1800Mts Km 0.660 1.00 m Drop Km 0.840 0.60 m Drop ,4L F.C 38.34 Acres B.L 234.690, L= 180 mts Km 1.100 1.00 m Drop Km 1.250 0.60 m Drop cum pipe culvert Km 1.250 6L FC , 21.80 Acre ,L= 1000 mts Km 1.420 0.60 m Drop Km 1.880 2L minor, 186.86 Acres Km 1.900 0.90m Drop, 8L FC, 16.08 Acres B.L 231.226 ,L= 1300 mts Km 2.000 0.60 m Drop Km 2.160 0.60 m Drop, 10L FC 19.20Ac, L=1300 mts Km 2.190 C.T Pipe culvert Km 2.320 0.60 m Drop Km 2.560 0.60 m Drop, 12L P.F.C 54.80Acres, L= 1600 mts Km 2.720 0.60 m drop, 13 L 29.50 Acres L=1300 mts Km 2.880 C.T , Pipe Culvert Km 3.000 14L F.C, 49.89 Acre B.L 226.103, L= 1900 Mts Km 3.400 T.E

H.P's OF GUNDLAMADUGU DISTRIBUTORY KM 0.000 TO KM 3.400

Hydralic Particulars				
S.no	Discription	0.000 To 0.540	0.540 To 1.900	1.900 To 3.400
1	Discharge (R) cum	0.3346	0.247	0.161
2	Discharge (D) cum	0.3488	0.277	0.177
3	Bed Width m	1.40	1.00	0.70
4	F.S.D m	0.50	0.50	0.40
5	Velocity m/sec	0.423	0.443	0.493
6	Value of 'n'	0.025	0.025	0.025
7	Side slopes	1/2:1	1/2:1	1/2:1
8	Existing	1:1	1:1	1:1
9	Bed Level Start	236.748	235.878	230.043
10	Bed Level End	-	-	-
11	F.S.D Start	237.248	236.378	230.442
12	F.S.D End	-	-	-
13	Surface fall m	1 In 2000	1 IN 1600	1 IN 900
14	Ayacut	-	-	-

NAME OF WORK : PACKAGE - 92 : Earth work excavation, Cement concrete lining, repairs to structures and improvement to distributory system of Pulivendula Branch Canal from Km.33.740 / 33.000 to Km.66.470 on E.P.C. Turnkey system.

REVISED HYDRAULIC PARTICULARS OF GUNDLAMADUGU DISTRIBUTORY FROM KM.0.000 TO KM.3.400. (TAKES OFF @ K.M.37.446 OF P.B.C.)

Sl. No.	Chainage in Kms.		Dist. in Kms.	Discharge in cumecs		Bed width in mts.	F.S. D in mts.	Side slope s	Surfa ce fall of 'n'	Value of 'n'	'V' in mts./ sec.	Loss of Head in mts. due to			Bed level in mts.		F.S.L. in mts.		Remarks
	From	To		Requir ed	Desig ned							Bed fall	Stru- ctures	Total	At start	At end	At start	At end	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	0.000	0.150	0.150	0.212	0.242	1.25	0.55	Verti- cal	1 in 2500	0.025	0.3526	0.060	0.000	0.060	236.749	236.689	237.299	237.239	
2	0.150	0.225	0.075	0.212	0.248	1.00	0.45	1.5 : 1	1 in 2800	0.025	0.3292	0.027	0.000	0.027	236.689	236.662	237.239	237.112	
3	0.225	1.825	1.600	0.151	0.183	0.90	0.40	1.5 : 1	1 in 2800	0.025	0.3049	0.571	5.580	6.151	236.662	231.471	237.212	231.871	0.960 mts Existing Drop at km 1.825
4	1.825	3.400	1.575	0.054	0.124	0.75	0.35	1.5 : 1	1 in 2800	0.025	0.2770	0.563	5.640	6.203	230.511	224.308	230.861	224.658	
	1.835		3.400																
			3.400									1.221	11.220	12.441	FSL at	Start	237.299		
																End	224.658		
																Diff	12.641		
																F.S.D.	0.200		
																Net Diff	12.441		

FOR M/S. SRE Chakraborty (JV)

 Authorised Signatory.

K. V. S. R.
 15/03/11
 Age

Deputy Executive Engineer,
 P.B.C. NO. II Sub-Division,
 PULIVENDULA.

Pullivendula Branch Canal from Km.33.740 / 33.000 to Km.66.470 on E.P.C. Turnkey system.

REVISED HYDRAULIC PARTICULARS OF GUNDLAMADUGU MINOR (LS) TAKING OFF AT KM.0.207 OF GUNDLAMADUGU DISTRIBUTORY.

St. No.	Change in Kms		Dist. in Kms.	Discharge in cumecs		Bed width in mts.	F.S. D. in mts.	Side slope	Surfa ce fall of 'n'	Value of 'n'	'V' in mts./sec.	Loss of Head in mts. due to			Bed level in mts.		F.S.L. in mts.		Remarks	
	From	To		Requir ed	Desig ned							Bed fall	Stru- ctures	Total	At start	At end	At start	At end		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
1	0.000	1.175	1.175	0.061	0.082	0.60	0.30	1.5 : 1	1 in 2500	0.025	0.2619	0.470	3.930	4.400	236.762	232.362	237.062	232.662		
			1.175	Bed Level at			Start	236.762					0.470	3.930	4.400	FSL at	Start	237.062		
						End	232.362													
						Diff	4.400													

Authorised Signatory,

15/02/11
AEC

PULIVENDULA.

**STATEMENT SHOWING THE DETAILS OF STRUCTURES ON GUNDLAMADUGU MINOR (L/S) AT
KM.1.820(1.830) OF GUNDLAMADUGU DISTRIBUTORY**

Sl. No.	Chainage in Km.	New Chainage in Km.	Depth of Drops in Mts.	Name of the Structure	Remarks
1	2	3	4	5	6
1 From Km.0.000 to 1.110					
1	Off Take cum C.T. at km.0.000(Left Side)	Off Take cum C.T. at km.0.000(Left Side)		Existing Off Take	
2	Drop @ km 0.075	Drop @ km 0.075	0.490	New Drop	
3	Off Take at km.0.100(Left Side)	Off Take at km.0.100(Left Side)		New Off Take	
4	Off Take at km.0.100(Right Side)	Off Take at km.0.100(Right Side)		New Off Take	
5	Existing Drop cum C.T. @ km 0.215	Existing Drop cum C.T. @ km 0.215	0.990	Existing Drop	
6	Existing C.T. @ km 0.225	Existing C.T. @ km 0.230		Existing C.T.	
7	Existing Drop @ km 0.300	Existing Drop @ km 0.300	0.990	Existing Drop	
8	Existing Drop @ km 0.400	Existing Drop @ km 0.400	0.990	Existing Drop	
9	Existing Drop @ km 0.525	Existing Drop @ km 0.525	0.690	Existing Drop	
10	Existing S.P. cum C.T. at km.0.579	Existing S.P. cum C.T. at km.0.570			
11	Existing Drop @ km 0.810	Existing Drop @ km 0.830	0.970	Existing Drop	
12	Existing Drop @ km 0.940	Existing Drop @ km 0.940	0.690	Existing Drop	
13	T.E. at km.1.100	T.E. at km.1.100		New Off Take	
Total			5.810	Metres	

For M/s. SRM Bhadrachal Bhai (M)

Authorised Signatory

Deputy Executive Engineer,
P.B.C. NO : 1 Sub-Division,
PULIVENDULA

NAME OF WORK : PACKAGE - 92 : Earth work excavation, Cement concrete lining, repairs to structures and improvement to distributory system of Pulivendula Branch Canal from Km.33.740 / 33.000 to Km.66.470 on E.P.C. Turnkey system.

REVISED HYDRAULIC PARTICULARS OF GUNDLAMADUGU MINOR (L/S) TAKING OFF AT KM1.820 (1.830) OF GUNDLAMADUGU DISTRIBUTORY.

Sl. No.	Chainage in Kms.		Dist. in Kms.	Discharge in cumecs		Bed width in mts.	F.S.D. in mts.	Side slope	Surface fall	Value of 'n'	'V' in mts./sec.	Loss of Head in mts. due to			Bed level in mts.		F.S.L. in mts.		Remarks
	From	To		Required	Design							Bed fall	Struc-tures	Total	At start	At end	At start	At end	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	0.000	1.100	1.100	0.061	0.063	0.60	0.26	1.5:1	1 in 2500	0.025	0.2430	0.440	5.810	6.250	231.550	225.300	231.810	225.560	
			1.100	Bed Level at			Start	231.550				0.440	5.810	6.250	FSL at	Start	231.810		
							End	225.300								End	225.560		
							Diff	6.250								Diff	6.250		

[Signature]
22/03/11
A/c

Deputy Executive Engineer
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HANDING OVER GOVT JEEP ATA: 5465.

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