

ACHAVALLI DISTRIBUTORY

Hydraulic Particulars				
S.no	Discription	0.000 To 2.960	2.960 To 5.310	2.960 To 8.028
1	Discharge (R) cum	0.8572	0.6208	0.3451
2	Discharge (D) cum	0.8948	0.6473	0.3519
3	Bed Width	2.5	2.3	1.7
4	Surface fall m	1 IN 3000	1 IN 3000	1 IN 3000
5	Bed level Start	236.499	223.023	215.891
6	Bed Level End	223.023	215.891	208.022
7	FSL Start	237.199	223.623	
8	Ground Level	237.21	224.43	
9	Velocity	0.419	0.4149	0.3606
10	Value of n	0.025	0.025	0.025
11	F.S.D	0.7	0.6	0.5
12	Length	8.028		
13	Ayacut			

ACHAVALLI DISTRIBUTORY TAKING OFF AT 36.300 OF PBC

R/S			L/S	
			PBC OT @ 36.350	
Station			0.020	0.50 Drop
B.L	236.499		0.670	0.50 Drop cum Bridge
			0.740	2L PFC L=0.450 Ay=75.05
				B.L=235.444
1R P.F.C L=0.510 Ay=1200 Acres			0.850	0.50 Drop
B.L	235.297		1.120	0.50 Drop
			1.220	0.50 Drop
			1.200	0.50 Drop
			1.440	0.50 Drop
			1.480	Bridge
3R PFC	0.540		1.486	4L PFC L= 0.350 Ay= 18.44 Ac
				B.L= 232.747
Ayacut 32.31 Acres			1.500	0.50 Drop
			1.570	0.50 Drop
Main Distributory =1075.23			1.600	0.50 Drop
Nalla cheruvapllie =448.000 Acres			1.650	0.50 Drop
Sathakovuru Minor= 564.61 Ac			1.750	0.50 Drop
2087.84 Ac			1.810	0.50 Drop
			2.030	0.50 Drop
			2.060	0.50 Drop
			2.110	0.50 Drop
			2.220	0.50 Drop
			2.300	0.50 Drop
			2.420	0.50 Drop
			2.440	0.50 Drop
			2.460	S.P cum Bridge
			2.500	0.50 Drop
			2.550	0.50 Drop
			2.575	Bridge
			2.820	0.5 Drop
			2.880	0.50 Drop cum Bridge
			2.930	0.50 Drop 1.00 Drop
Nall charuvupalli minor			2.980	0.50 Drop
Ay 448.000 B.L 220.875			3.260	0.50 Drop
5 PFC L=0.390 Ay 39.93			3.460	0.50 Drop
			3.540	0.50 Drop
			3.640	Sysphon proposed
			3.720	Nall charuvupalli minor L=6180
7R FC L= 0.210	4.100		3.840	6 L PFC L= 0.50 Ay 35.08Ac
Ay 16.42 Ac				BL 221.006
			4.070	L cross Bridge
			4.100	BL 220.919
8R PFC L=0.270	4.600		4.600	Bridge 9 L PFC L= 0.510 Ay=35.08 Ac
Ay 57.79				B.L 220.726
			5.060	0.50 Drop
			5.100	0.50 Drop
			5.140	0.50 Drop
Santhokovuru minor B.L 215.591			5.180	0.50 Drop
Ay 564.61 Ac L= 3300 Ac			5.200	0.50 Drop
			5.220	0.50 Drop
11 R FC L=0.480	5.640		5.240	0.50 Drop
Ay 32.660 Ac			5.310	0.50 Drop S.p cum bridge
			5.390	Santhokovuru minor
			5.400	0.50 Drop
13 R PFC L= 0.510	6.370		5.630	10 L PFC L= 0.480 Ay 36.22 Ac
Ay 126.59				B.L 215.362
			5.640	B.L 215.409
			5.698	0.50 Drop bridge
			6.360	12 PFC L= 0.510 Ay 106.08Ac
				B.L 214.619
			6.370	B.L 214.616
			6.380	0.50 Drop
			6.510	0.50 Drop
			6.800	0.50 Drop
			6.950	14 L=0.930 Ay 116.50 Ac B.L 212.0900

ACHAVALLI DISTRIBUTORY 1 L MINOR

ACHAVALLI DISTRIBUTORY OT @ KM 34.000

R/S		L/S
15 R PFC L=0.930 Km 6.960	<div> <div>↓</div> <div>ACHAVALLI DISTRIBUTORY</div> </div>	Km 6.960 BL=212.827 T.E
Ay 174.13 AC		Km 6.980 0.50 Drop cum bridge
		Km 7.100 0.50 Drop
		Km 7.260 0.50 Drop
		Km 7.380 0.50 Drop
		Km 7.560 0.50 Drop
		Km 7.700 0.50 Drop
		Km 7.760 0.50 Drop
		Km 7.860 0.50 Drop
		Km 7.920 0.50 Drop
		Km 8.025 0.50 Drop
End BL 208.022		

RASTAMVARI PALLI DISTRIBUTORY OT @ KM 34.000

R/S			L/S	
PBC OT 34.000 Km of PBC				
1R Minor 1311.43 Acres	KM 0.400	↓ <		

RASTAMVARI PALLI DISTRIBUTORY OT @ KM 34.000

Hydraulic Particulars			
S.no	Discription	0.000 To 0.500	0.500 To 1.200
1	Discharge (R) cum	0.211	0.119
2	Discharge (D) cum	0.245	0.132
3	Bed Width Start	1.00 m	0.70 m
4	Bed Level End	237.194	237.698
5	F.S.D Start	236.948	235.723
6	F.S.D End	237.698	237.848
7	F.S.D	237.448	236.303
8	Surface fall m	0.50 m	0.40 m
9	Side slopes	1 in 2000	1 IN 1650
10	Velocity	1:1	1:1
11	Value of 'V' m/sec	0.397 m/sec	0.367 m/sec
12	Ayacut	0.025	0.025

RASTAMVARI PALLI DISTRIBUTORY OT @ KM 0.400

R/S			L/S	
OT 34.000 Km of PBC				
	B.L.236.998	<div>↓</div> <div>1 R MINOR</div>	KM 0.225	1 L F.C 19.34 Acres L=500 m
			KM 0.235	1.00 M Drop 236.861/235.861
			KM 0.450	0.60 Drop 235.724/235.124
				1.00 Drop Cum Pipe Culvert
				2L FC 61.35 Acre
				234.911/233.911 L= 800
			KM 0.800	mts
			KM 1.045	Pipe Culvert
				0.60 Mdrop 4L F.C 47.08
			KM 1.050	Acres L=800
2 R F.C 12.85 Acres L=600 m				233.759/233.159
Tail End P.F.C No 5 End L = 300 mts	B.L.233.077		KM 1.300	P.F.C No. 5 57.89 Acres Tail End L= 1000 mts

1 R RASTAMVARI PALLI DISTRIBUTORY

Hydraulic Particulars		
S.no	Discription	0.000 To 0.500
1	Discharge (R) cum	0.092
2	Discharge (D) cum	0.132
3	F.S.D	0.7
4	Bed Width	0.4
5	Bed Level Start	236.998
6	Bed Level End	233.077
7	F.S.D Start	233.398
8	F.S.D End	233.907
9	Surface fall m	1 in 1650
10	Side slopes	1.2:1
11	Velocity	8:48
12	Value of 'V' m/sec	0.025
13	Ayacut	

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

R/S			L/S	
PBC OT @ KM 35.000 OF PBC				
Total Ayacut	808.42 Acres	<div>↓</div> <div>GUNDLAMADUGU DISTRIBUTORY</div>	KM 0.200	1 L minor 212.000 Acres
B.L.236.648	0.200 km			
1 R F.C 38.58 Scres	Km 0.540		Km 0.540	060 Drop 2 L F.c 38.23 AC
L= 1400 mts				B.L236.478 L= 1800Mts
3 R F.C 27.72 Acres			Km 0.600	1.00 Drop
B.L 235.303			Km 0.840	060 Drop 4L F.C 38.34 Acres
L= 1000 mts				B.L 234.690 L= 180 mts
B.L 232.839	Km 1.250		Km 1.100	1.00 Drop
5 R FC 27.86 Acres	Km 1.250		Km 1.250	0.60 Drop cum pipe culvert
L = 1300 mts B.L 232.815			Km 1.250	6 L Minor 21.80 Acre
B.L 231.239	km 1.800			L= 1000 mts
7 R F.C 11.80 Acres	Km 1.900		Km 1.880	2 L minor L=86.86 acres
L=1000 mts			Km 1.900	0.90 Drop 8 L l=16.08 Acres
9 R F.C 8.01 Acres				B.L 231.226 L= 1300 mts
B.L =229.437			Km 2.000	0.60 Drop cum pipe culvert
L= 1200 mts			Km 2.160	0.60 Drop 10 L 19.20 L=1300 mts
11 R 27.75 Acres	Km 2.560		Km 2.190	C.T Pipe culvert
B.L 227.792			Km 2.320	0.60 Drop
L= 1200 mts			Km 2.560	0.60 Drop 12 L P.F.C 54.80Acres
Total Ayacut				L= 1600 mts
Main Distributory =409.506 AC		km 2.770	0.60 drop 13 L 29.50 Acres L= 1300 mts	
1 L Minor = 212.00 AC		Km 2.880	C.T Pipe culvert	
2 L Minor = 186.86 AC		Km 3.000	14 L F.C 49.89 Acre T.E	
808.42 AC			B.L 226.103	
		Km 3.400 T.E	L= 1900 Mts	

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GUNDLAMADUGU DISTRIBUTORY

GUNDLAMADUGU DISTRIBUTORY

Hydraulic Particulars				
S.no	Discription	0.000 To 0.540	0.540 To 1.900	1.900 To 3.500
1	Discharge (R) cum	0.3346	0.247	0.161
2	Discharge (D) cum	0.3488	0.277	0.177
3	Bed Width	1.4	1	0.7
4	F.S.D	0.5	0.5	0.4
5	Velocity	10:09	10:37	0.493
6	Value of 'n' m/sec	0.025	0.025	0.025
7	Side slopes	1.2:1	1.2:1	1.2:1
8		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			

GUNDLAMADUGU DISTRIBUTORY 1 L MINOR @ KM 0.200

R/S		L/S
GUNDLAMADUGU DISTRIBUTORY 1 L M@ KM 0.200		

Ayacut =212.00 Acre B.L 236.648	GUNDLAMADUGU DISTRIBUTORY 1 L MINOR	Km 0.395 0.60 Drop
		Km 0.400 C.T Pipe culvert
		Km 0.540 0.60 Drop
		Km 0.680 0.60 Drop
		Km 0.800 0.60 Drop
		Km 1.160 T.E B.L 233.088
End B.L		

GUNDLAMADUGU DISTRIBUTORY 2 L MINOR @ KM 1.800

R/S		L/S
GUNDLAMADUGU DISTRIBUTORY 2 L M@ KM 1.800		

Ayacut =231.226 Acre B.L 231.226 2 R(23.90)Acres) B.L .231.026 L= 500 mts 4R (121.13 Acres) L=500 mt B.L.228.824 B.L.227.646 B.L.226.426 End B.L	GUNDLAMADUGU DISTRIBUTORY 1 L MINOR	Km 0.200 1.00 Drop 1 L(48.82Acres) L=600 mts
		Km 0.250 Pipe culvert
		Km 0.300 1.00 Drop
		Km 0.400 1.00 Drop 3L (40.60) Acres L= 600 Acres
		Km 0.575 1.00 Drop 5 L (23.37) Pipe culvert L=1200 mts)
		Km 0.800 0.60 Drop 6 L (29.04) Acresv L=600
		Km 0.940 0.60 Drop
		Km 1.080 B.L 224.0946
		Km 1.100 5LMinor
		↓

GUNDALAMADUGU1L MINOR		
Hydraulic Particulars		
S.no	Discription	
1	Discharge (R) cum	0.087
2	Discharge (D) cum	0.089
3	Bed Width	0.600
4	F.S.D	0.300
5	Velocity	0.398
6	Value of 'n' m/sec	0.025
7	Side slopes	1:1
8	Bed Level Start	236.648
9	Bed Level End	233.088
10	F.S.D Start	236.948
	Ayacut	

GUNDALAMADUGU 2L MINOR		
Hydraulic Particulars		
S.no	Discription	
1	Discharge (R) cum	0.087
2	Discharge (D) cum	0.089
3	Bed Width	0.600
4	F.S.D	0.300
5	Velocity	0.398
6	Value of 'n' m/sec	0.025
7	Side slopes	1.2:1
8	Bed Level Start	231.220
9	Bed Level End	
10	F.S.D Start	
	Ayacut	

NALLA CHERUVUPALLI MINOR OFF TAKING AT KM 3.720 OF ACHAVALLI DISTRIBUTORY

R/S		L/S		
NALLA CHERUVUPALLI MINOR OT @ KM 3.720				
Starting BL= 220.875 Total Ayacut 448.00 Acres Suphon proposed Km 0.760	NALLA CHERUVUPALLI MINOR	Km 0.090	0.50 Drop	
		Km 0.277	Bridge	
		Km 0.632	Bridge	
		Km 1.12	Bridge	
		Km 1.532	Bridge	
		Km 1.68	0.50 Drop	
		Km 1.77	0.50 Drop	
		Km 1.83	0.50 Drop	
		Km 1.95	0.50 Drop	
		Km 2.22	0.50 Drop	
2 R PFC 56.0 Acres Km 2.400 BL 215.475		Km 2.234	Bridge	
		Km 2.4	0.50 Drop 1 L PFC 85 Acres	
		Km 2.61	0.50 Drop L=600 mts	
		Km 2.82	0.50 Drop	
		Km 2.908	Bridge	
		Km 3.03	0.50 Drop	
		Km 3.204	Bridge	
		BL 212.525 Km 3.350	Km 3.35	0.70 Drop 3 L P.F.C -70.00 Acres
			Km 3.36	0.50 Drop
			Km 3.45	0.50 Drop
Km 3.75			0.50 Drop	
Km 3.84			0.50 Drop	
Km 3.96			1.00 Drop	
Km 4.04			Bridge	
Km 4.11			0.50 Drop	
5R PFC 46.0 Acres Km 4.230 BL 207.945 L 550 mts			Km 4.23	0.50 Drop 4L PFC 67.00 Acres
			Km 4.43	Bridge
		Km 4.59	0.50 Drop	
		Km 4.71	0.50 Drop	
		Km 4.83	0.50 Drop	
		0.50 m Drop Km 5.230 0.50 m Drop Km 5.400 BL 204.005	Km 5.165	Bridge
			Km 5.83	Bridge
			Km 5.67	0.50 Drop 6 LPFC 60.00 Acre L=600
		BL 202.085 End BL 201.495	Km 5.790	0.50 Drop
			Km 6.090	0.50 Drop 7 L PFC -64.0 Acres
Km 6.150			T.E	

NALLA CHERUVUPALLI HPS

Hydraulic Particulars

S.no	Discription	
1	Discharge (R) cum	0.185
2	Discharge (D) cum	0.196
3	Bed Width	1.000
4	F.S.D	0.350
5	Velocity	0.476
6	Bed Level	220.875
7	FSL	221.225
8	Value of 'n' m/sec	0.025
9	Surface fall	1 IN 1000
10	Ayacut	
11	Length	6.280

SANTHAKOVURU MINOR OFF TAKE AT KM 5.390 OF ACHAVALLI DISTRIBUTORY

R/S		L/S
ACHAVALLI DISTRIBUTORY OT @ KM 5.390		
BL start 215.891	SANTHAKOVURU MINOR	0.210 0.50 Drop
Ayacut Total 564.611 AC		0.275 L Class Bridge
		0.502 Bridge
		0.710 0.50 Drop
		0.840 0.50 Drop
		0.864 S.P Cum Bridge
BL 213.541		0.880 1 L FC 6.00 Acres L=50mts
TE 213.511		1.120 L Class Bridge
2R FC 34.35 AC Km 1.140		1.140 L=300 mts
BL 213.351		1.440 0.50 Drop
TE 213.251		1.530 L Class Bridge
4R FC 20.10 AC L200 mts		1.700 3 L PFC 152.17 Ac L= 7.080 BL 212.121
BL 212.271		1.800 0.50 Drop
		1.845 Bridge
		1.950 0.50 Drop
L 200 mts		2.160 0.30 Drop
8R FC 27.47 AC KM 2.400		2.400 5 L FC 62.49 AC L= 200 mts
BL 208.251		2.460 0.30 Drop
		2.664 Bridge
		2.820 7L FC 61.36 AC L=200 Mts
		2.835 0.30 Drop
		2.925 0.50 Drop
10 R PFC 89.20 AC		3.090 0.30 Drop 9 L PFC 90 AC L= 800 mts
BL 208.101		3.300 T.E
L 600 mts		

SANTHAKOVURU DISTRIBUTORY

Hydraulic Particulars		
S.no	Discription	
1	Discharge (R) cum	231
2	Discharge (D) cum	0.2427
3	Bed Width	1
4	Velocity	0.5056
5	Bed Level Start	215.891
6	Bed Level End	
7	F.S.D Start	216.291
8	Surface fall m	1 in 1000
9	Side slopes	1.2:1
10	Velocity	0.602
11	Value of 'V' m/sec	0.025
12	B/D	2.5
13	v/v0	0.84

PENDLUR DISTRIBUTORY OFF TAKE AT KM 41.000

R/S			L/S
P.B.C KM 41.000			
Start BL 235.160		0.200	Yerripalli Minor-1 (878.45)
Total Ayacut on Pendlur Distributor		0.748	0.50 Drop
On Yerripalli I	878.45	0.850	inlet
On Yerripalli II	286.16	1.030	inlet
Gotur minor	2760.38	1.400	Gotur minor 2760.38 Ac
on Pendlur Distributor	2689	1.460	L class Bridge
	6614 31 Ac	1.540	1 L Minir
		1.570	inlet
		1.675	inlet
		1.865	inlet
		1.880	Proposed L class Bridge
		2.300	inlet
		2.350	inlet
		2.555	inlet
		2.920	inlet
		2.995	inlet
1R minor	Km 3.135	3.135	0.50 Drop cum Bridge
		3.260	0.50 Drop
372 Ac	BL 233.640	3.320	0.50 Drop
	233.14	3.420	0.50 Drop
L=2.000 KM		3.500	0.50 Drop
		3.540	2 L minor 357.33 AC
		3.595	0.50 Drop cum Bridge
		3.760	0.50 Drop
		4.100	L class Bridge
		4.200	0.50 Drop
		4.280	0.50 Drop
		4.360	0.50 Drop
		4.480	0.50 Drop
		4.540	0.50 Drop
		4.600	1.00 Drop
		4.675	0.50 Drop cum Bridge
		4.800	0.50 Drop
		4.860	0.50 Drop
		4.960	1.00 Drop
		5.040	0.50 Drop
		5.100	0.50 Drop
		5.187	0.50 Drop
		5.480	0.50 Drop
		5.500	3L minor 175.20 Ac L=1.320 BL 219.674
		5.530	L class Bridge
		5.800	0.50 Drop
		5.900	0.50 Drop
		6.000	0.50 Drop 4L minor (191.60 Ac)
		6.190	L class Bridge
		6.500	0.50 Drop
		6.700	0.50 Drop
		6.800	0.50 Drop
		6.980	0.50 Drop
		7.100	0.50 Drop
		7.160	0.50 Drop cum Bridge
		7.320	0.50 Drop
		7.400	5L minor 205.86 AC L=1.320 Km BL=215.206
		7.420	0.50 Drop

PENDLURDISTRIBUTOR

BL=End 199.917

PENDLUR DISTRIBUTOR	7.520	0.50 Drop	
	7.550	L class Bridge	
	7.660	0.50 Drop	
	7.760	1.00 Drop	
	7.860	0.50 Drop	
	7.980	0.50 Drop	
	8.080	0.50 Drop	
	8.160	0.50 Drop	
	8.240	0.50 Drop	
	8.320	0.50 Drop	
	8.380	0.50 Drop	
	8.440	0.50 Drop	
	8.500	0.50 Drop	
	8.580	1.00 Drop	
	8.700	0.50 Drop	
	8.750	0.50 Drop	
	8.760	0.50 Drop SLB Proposed	
	8.820	0.50 Drop	
	8.880	1.00 Drop	
	9.020	0.50 Drop	
	9.100	0.50 Drop	
	9.350	L class Bridge	
	9.540	1.00 Drop	
	9.620	1.00 Drop	
	9.680	0.50 Drop	200.440 T.E 60 Acres
	9.720	Tail End	

PENDLUR DISTRIBUTORY

Hydraulic Particulars						
S.no	Reach	0.000 To 0.748	0.748 To 1.460	1.460 To 5.530	5.530 To 7.420	7.420 To 9.720
1	Discharge (R) cum	2.9354	2.676	1.9212	0.8469	0.22
2	Discharge (D) cum	3.093	2.937	2.152	1.129	0.3166
3	Bed Width	4.2	4	3.5	2.5	1.2
4	F.S.D	1	1	0.9	0.75	0.55
5	Side slopes	1:1	1:1	1:1	1:1	1:1
6	Surface fall m	1 IN 3000	1 IN 3000	1 IN 3000	1 IN 3000	1 IN 3000
7	Value of n	0.025	0.025	0.025	0.025	0.025
8	Velocity	0.658	0.6527	0.6054	0.5227	0.3904

YERRIPALLI MINOR-1 OFF TAKE 0.200 OF PENDULAR

R/S			L/S
PENDLUR DISTRIBUTORY KM 0.200			
BL Start 235.451		0.480	UT not completed
Ayacut Yerripalli I 878.451		0.525	S.P cum L class Bridge
Ayacut Yerripalli II 286.16		0.640	Yerripalli Minor II 286.16 AC
1169.61		0.820	SP
		0.840	Inlet and Out let
		0.980	Inlet
		1.200	Inlet and Out let
		1.231	SP
		1.278	L class Bridge
		1.582	0.20 Drop
1L 94.24 AC		1.760	SP
1L A 26.81 Ac	Km 1.860	1.860	2R M 1.00 Drop 38.24Ac L=560
L=560 mts 233.057/232.057		1.987	L class Bridge
		2.100	0.60 Drop
		2.210	0.60 Drop
		2.300	1.00 Drop
		2.384	L class Bridge
4R (19.34 AC	Km2.420	2.420	0.60 Drop 43.29 AC l=660 mts
L=500 mt		2.500	L class Bridge
229.393/228.793		2.680	0.60 Drop
4R A1(22.96)AC	Km 3.080	2.760	0.60 Drop
L=500 mt 227.047/226.447		3.080	0.60 Drop 5L 53.03 Ac l=400mts
		3.260	0.60 Drop
4R A2 (53.30 Acres)	Km3.480	3.480	0.60 Drop
L=200 mts 225.516/224.916		3.495	B cross Bridge
		3.660	0.60 Drop
6R 85.62 AC&6R 89.92AC		3.840	0.60 Drop
	Km3.840	3.940	L class Bridge
l=860mts l=500mts		4.100	7L 0.50 Drop 43.98 ac L=540 mts
8R(97.63)AC	Km4.100	4.180	0.50 Drop
l=540mts 223.189/222.689		4.243	L class Bridge
	Km 4.480	4.340	0.50 Drop
221.309/220.809		4.480	0.50 Drop
9R 62.37 AC	Km 4.640	4.522	L class Bridge
L= 1.000 220.649		4.640	7L A 0.50 Drop
220.149		4.660	81.87 AC L= 600 m
		4.900	0.50 Drop
		4.980	0.50 Drop
		5.100	0.50 Drop
		5.200	0.50 Drop
		5.260	0.50 Drop
217.069		5.360	0.50 Drop
216.569		5.420	0.50 Drop
BL End 215.789		5.420	0.50 Drop

YERRIPALLI MINOR I

YERRIPALLI MINOR OFF TAKE 0.200 OF PENDULAR			
HYDRAULIC PARTICULARS			
Reach	0.000 TO 0.6660	0.660 TO 3.960	3.960 TO 5.500
Bed width	1.5	1.2	1.000
FSD at head	0.6	0.5	0.400
Bed slope	1 IN 1500	1 IN 1200	1 IN 1000
Bed level at head	235.094	234.652	223.329
FSL at head	235.694	235.252	223.829
Bed discharge	0.4786	0.3612	0.192

YERRIPALLI MINOR II OFF TAKE 0.640 OF YERIPALLI MINOR I

R/S			L/S	
YERRIPALLI MINOR NO II				
52.46 AC	234.735	<div>YERRIPALLI MINOR II</div>	0.290	Total Ayacut 286.16
BL=234.59	1R		0.300	2L 51.73 Acres BL 234.59
Length	500 mts 234.445		0.450	Drop cum Bridge
			0.570	Drop
34.95 AC	3R F.C		0.720	Drop
BL=231.219			0.810	Drop
Lentgh	490		0.930	Drop
			1.030	4L 75.30 AC 75.30 AC L= 4.90 mt BL 231.219
11.13 Acres	5R FC		1.044	Drop cum Bridge
BL	228.399		1.200	Drop
Lenth 70 mt			1.290	Drop
			1.350	Drop
			1.500	Drop
			1.670	6L F.C 40.00 AC L= 200 mts B.L 228.3995
			1.680	Drop cum Bridge
			1.738	Drop
			1.860	Tail End 20.59 AC
				BL 226.804 L=640.00 mts

HYDRAULIC PARTICULARS	
Distance (R)	0.117
Distance (D)	0.124
Section	0.9 X 0.35
Surface fall	1 IN 1000
Velocity	0.33
Bed level	234.735
FSL	235.085
Bed width	0.9

GONTUR MINOR OFF TAKE AT KM 1.400 OF PEndULAR DISTRIBUTORY			
R/S			L/S
PEndLUR DISTRIBUTORY @ KM 1.400 OF PEndLUAR			
234.23			
Total Ayacut 2760.380 AC		0.150	1 m Drop cum Bridge
		0.360	1 m Drop 1L PFC 78.60AC L=0.200 BL233.107/232.109
1R PFC 29.23 AC Km 1.50		0.580	1 m Drop
L=0.100 Km BL 226.731/225.731		0.610	SLB
		0.760	1 M Drop 2L PFC 55.47 AC L=0.120 BL=230.975/229.925
		0.880	1 M Drop
		1.060	1 M Drop 3L PFC 74.39 AC L=0.200 BL=220.875227.876
		1.230	Inlet
		1.260	1 m Drop
		1.500	1 m Drop 4 L FC 66.14 AC L=0.100 BL=226.731/225.731
		1.700	SLB
2R PFC 32.35 AC Km 1.880		1.880	1M Drop 5L FC 44.78AC L=0.2000 BL =225.600
L= 0.200 BL=225.600		2.083	1 m Drop cum Bridge
224.600		2.400	0.60 Drop 6L FC 51.63 AC
3R PFC 59.36 AC Km 2.620		2.620	0.60 Drop 7L FC 92.32 FC L=0.900 BL=92.32 AC
L=0.200 Bl=22.755/222.155		2.870	SLB
		2.935	8L F.C 97.83 Can L=0.500
		3.610	SLB
4R PFC 96.42 AC 3.86		3.860	0.70 Drop 9 L F.C 85.66 ACRES
L=0.120 Km BL 221.734/220.734		3.980	1 M Drop 10 L FC 94.14 Acres L= 0.400 BL=220.695/218.695
		4.080	1M Drop
5R FC 99.57 AC 4.215		4.215	0.50 Drop Bridge 11 L FC 81.46 AC L=0.245 BL=214.117/219.617.
L=0.400 KM BL 219.117/219.617		4.460	12L 95.38Ac 13L FC 95.31 AC
6R PFC 82.19 AC KM 4.460		4.700	1M Drop
L= 0.240 Km BL= 218.519/218.01		4.900	SLB
7R PFC 31.90 AC Km 5.000		5.000	0.50M Drop 13L (99.80A) L=0.600 BL =216.806/216.305
L=0.120 216.803/216.305		5.170	1 M Drop cum SLB
		5.280	14 L (99.73 Acres L=1.000 BL=215.185
8R PFC 44.41 AC Km 5.280		5.420	1 M Drop 15 L (83.53 AC)
L=1.00 BL=215.185		5.680	1M Drop
		5.860	1 M Drop SLB 16L 55.82 Ac L=1.00 BL=212.959/211.959
9R 193.42 AC Km 6.385		6.080	1M Drop
L=0.400BL=210.219/209.749		6.280	0.50 Drop
		6.385	0.50 Drop Bridge 17 L FC 304.95 L=0.500 BL=210.249/208.749.
10 R (210.40 AC) Km 7.875		6.600	0.50 Drop
L= 0.500 BL=205.003/204.503		6.740	0.50 Drop
		6.860	0.50 Drop
11R FC 115.00 Ac Km 8.820		6.970	L class Bridge
Length = BL=201.550		7.060	0.50 Drop
		7.180	1.00 M Drop
		7.420	1.00 M Drop
		7.740	SLB
		7.880	0.50 Drop
		8.220	1.00 M Drop
		8.550	1 M Drop
		8.660	1 M Drop
		8.780	B class Bridge
		8.820	18 L FC 109.29 L=0.450 BL=204.333/203.333
		8.840	1.00 M Drop
		9.060	1.00 M Drop
		9.220	1.00 M Drop
		9.600	0.30 M Drop
End B.L 197.173		9.920	Tail End BL= 197.175

Hydraulic Particulars					
S.no	Reach	0.000 TO 2.100	2.100 TO 4.220	4.220 TO 6.400	6.400 TO 9.920
1	Discharge (R) cum	1.077	0.88	0.581	0.18
2	Discharge (D) cum	1.184	0.928	0.612	0.226
3	Bed Width	2.9	2.3	2	1.3
4	F.S.D	0.75	0.75	0.6	0.4
5	Side slopes	1.2:1	1.2:1	1.2:1	1.2:1
6	Surface fall n	1 IN 3000	1 IN 3000	1 IN 2500	1 IN 2000
7	Value of n	0.025	0.025	0.025	0.025
8	Velocity	0.4821	0.4628	0.4436	0.3762

CHINTALAJUTUR DISTRIBUTORY OFF TAKE AT KM 42.480 OF PBC

R/S		L/S
PBC Canal of take @ km 42.480 of PBC		
1 Ayacut 121 AC 113.70 1 R PFC 32 Ac L= 250 mts B.L =234.617 2R PFC 28 Ac L=220 mts B.L=232.103	Km 0.500 Km 0.985	<div>CHINTALAJUTUR DISTRIBUTORY</div> BED level=234.748 0.500 1L PFC (30 AC) L=200 mt 0.51 0.60 m Drop 0.630 0.60 m Drop 0.720 0.60 m Drop 0.810 0.60 m Drop 0.975 SLB 0.985 2L PFC (31 AC) 0.990 0.60 m Drop 1.080 0.60 m Drop 1.260 0.60 m Drop 1.320 0.60 m Drop 1.350 0.60 m Drop 1.380 0.60 m Drop 1.455 SLB 1.470 0.60 m Drop 1.505 Tail End bed level=227.860 End

Hydraulic Particulars	
Discharge (R) cum	0.04681
Discharge (D) cum	0.1009
Bed Width	0.6
F.S.D	0.4
Bed fall	1 IN 4000
Value of n	0.025
Velocity	0.3215
Side slopes(D)	1.2:1
Side slopes(E)	1:1
Bed level Starting	234.748
Total Ayacut	121

PEDDAJUTUR DISTRIBUTORY OFF TAKE AT KM 47.150 OF PBC			
R/S			L/S
PBC Canal of take @ km 47.150 of PBC			
Total Ayacut 309.20 AC		CHINTALAJUTUR DISTRIBUTORY	Bed level 229.329 start 233.109
HYDRAULIC PARTICULARS			0.094 SP
Discharge (0.127			0.280 B class Bridge
Discharge (0.2776			0.94 SP
Bed Width 1			1.075 1 L Minor (90 Ac) L= 650 mts
F.S.D 0.5			1.080 0.60 m Drop 232.389/231.789
Surface fall 1 IN 1500			1.140 0.60 M Drop
Velocity 0.4929			1.200 0.60 M Drop
Side Slopes 1:01			1.300 0.60 M Drop
Side Slopes 1.2:1			1.384 0.60 M Drop cum L class bridge
			1.480 0.60 M Drop
1 R minor (80 AC) Km 1.075			1.615 2L minor (7L ac) l=450 mt
L= 600 mts			1.620 0.60 M Drop BL=228.428/227.828
			1.700 0.60 M Drop
2 R minor (68 AC) Km 1.615			1.800 0.60 M Drop
L= 400 mts			1.860 0.60 M Drop
			1.920 0.60 M Drop
			1.980 0.60 M Drop
			2.060 0.60 M Drop
			2.120 0.60 M Drop
			2.220 0.60 M Drop
			2.260 TAIL End BL=222.600 End