

**HYDRALIC PARTICULARS OF PENDLUR DISTRIBUTORY OFF TAKE AT KM 41.000 OF PBC**

R/S		L/S
<b>P.B Cannal</b>		
Start BL: 235.160		Km 0.200 Yerripalli Minor 1 (878.45)
		km 0.640 Yerripalli Minor 2 (286.16)
Total Ayacut on Pendulur Distributory		Km 0.748 0.30 m Drop Cum bridge
On Yerripalli I 878.45		Km 0.850 Inlet
On Yerripalli II 286.16		Km 1.030 Inlet
On Gotur minor 2760.38		Km 1.400 Gotur Minor ( 2760.38 Ac) BL=234.236
On Pendulur Distributor 2689.32		Km 1.460 L Class Bridge
Total Ayacut 6614.31 Ac		Km 1.540 1L Minor( 347.830 AC) L=2.070 Km BL=234.174
		Km 1.570 Inlet
		Km 1.675 Inlet
		Km 1.865 Inlet
		Km 1.880 Proposed L Class Bridge
		Km 2.300 Inlet
		Km 2.350 Inlet
		Km 2.555 Inlet
		Km 2.920 Inlet
		Km 2.995 Inlet
1R minor , L=2.000 KM Km 3.135		Km 3.135 0.50 m Drop Cum Bridge
Ayacut:372 Ac, BL 233.640 / 233.140		Km 3.260 0.50 m Drop
		Km 3.320 0.50 m Drop
		Km 3.420 0.50 m Drop
		Km 3.500 0.50 m Drop
		Km 3.540 2 L Minor (357.33 AC) L=1.950 Km BL=231.007
		Km 3.595 0.50 m Drop Cum Bridge
		Km 3.760 0.50 m Drop
		Km 4.100 L class Bridge
		Km 4.200 0.50 m Drop
		Km 4.280 0.50 m Drop
		Km 4.360 0.50 m Drop
		Km 4.480 0.50 m Drop
		Km 4.540 0.50 m Drop
		Km 4.600 1.00 m Drop
		Km 4.675 0.50 m Drop Cum Bridge
		Km 4.800 0.50 m Drop
		Km 4.860 1.00 m Drop
		Km 4.960 1.00 m Drop
		Km 5.040 0.50 m Drop
		Km 5.100 0.50 m Drop
		Km 5.187 0.50 m Drop cum Bridge
2R minor , L=1.800 KM Km 5.480		Km 5.480 0.50 m Drop
Ayacut:321.00 Ac, BL 220.854		Km 5.500 3L minor (175.20 Ac),L=1.110Km, BL 220.842
		Km 5.530 L Class Bridge
		Km 5.800 0.50 m Drop
		Km 5.900 0.50 m Drop
3R minor , L=2.400 KM Km 5.990		Km 5.990
Ayacut: 397.00 Ac, BL 219.677		Km 6.000 0.50 m Drop ,4L Minor ( 191.60 Ac),
		L=1.320 Km, BL=219.674
		Km 6.190 L Class Bridge
		Km 6.500 0.50 m Drop
		Km 6.700 0.50 m Drop
		Km 6.800 0.50 m Drop
		Km 6.980 0.50 m Drop
		Km 7.100 0.50 m Drop
		Km 7.160 0.50 m Drop Cum Bridge
		Km 7.320 0.50 m Drop
4R minor , L=1.850 KM Km 7.380		Km 7.380
Ayacut: 321.00 Ac, BL 216.212		Km 7.400 5L Minor , Ayacut: 205.86 AC,
		L=1.320 Km, BL=215.206

<div>5R minor , L=1.800 KM</div> <div>Km 8.700</div> <div>Ayacut: 120.00 Ac, BL 206.276/205.776</div> <div>BL=End 199.917</div>	<div>PENDLUR DISTRIBUTORY</div> <div>↓</div>	Km 7.420 0.50 m Drop
		Km 7.520 1.00 m Drop
		Km 7.550 L Class Bridge
		Km 7.660 0.50 m Drop
		Km 7.760 1.00 m Drop
		Km 7.860 0.50 m Drop
		Km 7.980 0.50 m Drop
		Km 8.080 0.50 m Drop
		Km 8.160 0.50 m Drop
		Km 8.240 0.50 m Drop
		Km 8.320 0.50 m Drop
		Km 8.380 0.50 m Drop
		Km 8.440 0.50 m Drop
		Km 8.500 0.50 m Drop
		Km 8.580 1.00 m Drop
		Km 8.700 0.50 m Drop
		Km 8.750 SLB
		Km 8.760 0.50 m Drop
		Km 8.820 0.50 m Drop
		Km 8.880 1.00 m Drop
		Km 9.020 0.50 m Drop
		Km 9.100 0.50 m Drop
		Km 9.350 L Class Bridge
		Km 9.540 1.00 m Drop
		Km 9.620 1.00 m Drop
		Km 9.680 0.50 m Drop BL:200.440
		Km 9.720 Tail End, Ayacut: 60 Acres

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S.no	Reach in Km	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	0.220
2	Discharge ( D ) cum	3.093	2.937	2.152	1.129	0.3166
3	Bed Width mts	4.20	4.00	3.50	2.50	1.20
4	F.S.D mts	1.00	1.00	0.90	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	0.0225	0.025	0.025	0.025	0.025
8	Velocity m/sec	0.658	0.6527	0.6054	0.5227	0.3904