

PEDDAGOTUR DISTRIBUTORY OFFTAKE @ KM 47.150 OF P.B.C

OFF TAKE AT KM 47.150 OF P.B.C
P.B. CANAL

00 ACT

Total for year : 389 acres

HYDRAULIC PARTICULARS

DISCHARGE (R)	0.127 cu m/s
DISCHARGE (D)	0.2776 cu m/s
BED WIDTH	1.00 m
F.S.D	0.50 m
SURFACE FALL	1/1500
VELOCITY	
SIDE SLOPES (E)	0.4929 m/s
SIDE SLOPES (D)	1:1



IR MINOR (80 ACRES) 1.075 K.M.
L = 600 M.

2^R MINOR [68 ACRES] 1.615 K.M

B, L =

$$L = 600 \text{ m}$$

PREDATOR DISTRIBUTORY

BED LEVEL 229.829 START
233.109

0.094 K.M S.P

D. 280 K.M B CLASS BRIDGE

0.940 KM S.P

1.875K.M [L MINOR [90 ACRES]]

$L = 650 \text{ m}$
1.08 K.M 0.60M DROP 232.389
231.789

1.11K.M 0.60^M DROP

1.200 K.M 0.60^M DROP

1.300 K.M 0.60 M DROP

1.384 K.M 0.60^M DROPCW

1.480K.M 0.60M DROP

1.615 K.M 2^L MINOR [71 ACRES]

L = 450 mt D.L

1.620 KM 0.60M DROP 228.428

227.828

1.700 K.M 0.60 M DROP

1.800 KM 0.60 M DROP

1. 860 K.M S. 60° M DRQP

1.920 K.M Q.60 M D.R.Q.P.

1.980 K.M 0.60 M DROP

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↓
V
↗ PEDDANTOTURBIDISTRIBUTORY

2.060 K.M 0.60M DROP

2.120 K.M 0.60M DROP

2.220 K.M 0.60M DROP

30 ACM

223.227
222.627.

2.260 K.M TAIL END

~~THE~~ BED LEVEL = 222.600 END

GOLLALAGUDOUR ²⁴ DISTRIBUTORY off take 49.500 ft P.B.C.

P.B. CANAL

OFF TAKE 49.500 M OF P.B.C.

Ayacut: 539 ACRES

336 ACRES

B.L 226.800
225.800

IR MINOR (220 ACRES) 3.690 K.M.
LENGTH 2.00 K.M.
BED LEVEL = 223.490
222.890.

GOLLALAGUDOUR DISTRIBUTORY

BED LEVEL 232.320 START

0.495 K.M BRIDGE

0.945 K.M L' CLASS BRIDGE TO BE TONE

1.560 K.M L' CLASS BRIDGE

2.040 K.M L' CLASS BRIDGE

2.100 K.M 0.60M DROP

2.190 K.M 1.00M DROP

2.280 K.M 1.00M DROP

2.370 K.M 1.00M DROP

2.460 K.M 1.00M DROP

2.520 K.M L' CLASS BRIDGE

2.760 K.M 1.00M DROP 1^L MINOR
(LENGTH 2.60 K.M : 179 ACRES)

3.060 K.M 1.00M DROP

3.265 K.M I' CLASS BRIDGE

3.450 K.M 1.00M DROP

3.605 K.M L' CLASS BRIDGE

3.690 K.M 0.60M DROP 223.

4.230 K.M 0.60M DROP

4.320 K.M 0.60M DROP

4.580 K.M 0.60M DROP

4.560 K.M 1.00M DROP

4.600

4.650 K.M 1.00M DROP

GOLLALAGUDUR DISTRIBUTORY

B.L 216.200
215.600.

length
changed

4.740 K.M 1.00M DROP

4.830 K.M 1.00M DROP

0.90 M

4.920 K.M 1.00M DROP

5.160 K.M 0.60M DROP 2^L MINOR

TE (LENGTH 1.00K.M 140 ACRES)

5.280 K.M 0.60M DROP

5.610 K.M 0.60M DROP

4.980

5.640 K.M TAIL END PROPOSED BRIDGE
 (TO BE DONE)

BED LEVEL 214.240

HYDRAULIC PARTICULARS

REACH	0.000 to 4.320	4.320 to 5.640
DISCHARGE (R)	0.2204 cumecs	0.0857 cumecs
DISCHARGE (D)	0.2232 cumecs	0.1116 cumecs
BED WIDTH	1.10 mts	0.80 m
F.S.D	0.50 m	0.40 m
SURFACE FALL	1/3000	1/3000
VELOCITY	0.3306 m/sec	0.279 m/sec
BED LEVEL	232.320	221.480
F.S. LEVEL	232.820	221.880

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ALAVALA PADU DISTRIBUTORY taking off at km 50.500
of P.B. Canal.

13.80

P.B. CANAL

OFF TAKE 50.500 K.M OF PBC

HYDRAULIC PARTICULARS

REACH	0.000	7.410 K.M
DISCHARGE (R)	70.7.410 K.M	70.8.370
DISCHARGE (D)	0.628 cu.m/s	0.3695
BED WIDTH	0.6484	0.509 cu.m/s
F.S.D	2.00 M	2.00 MTR
BED FALL	0.60 M	0.50 M
VALUE OF n"	1/2000	1/2000
SIDE SLOPES (D)	0.025	0.025
SIDE SLOPES (E)	1:1	

1530.41 Acre

$$\begin{aligned}
 & 2722.39 \text{ Acre} \\
 \text{Total} & 2722.39 - 0.78 \\
 & 2722.39 - 0.70 \\
 & 2722.39 - 0.71 \\
 & 2722.39 - 0.70
 \end{aligned}$$

$$\begin{aligned}
 \text{MINOR (1530 ACRES)} & 2.370 \text{ K.M} \\
 \text{LENGTH} = 1.600 \text{ K.M} \text{ BEDLEVEL} & = 225.242 \\
 & 224.62
 \end{aligned}$$

HYDRAULIC PARTICULARS

REACH	8.370 K.M	8.580 K.M
DISCHARGE (R)	70.8.580	70.9.660
DISCHARGE (D)	-	-
BEDWIDTH	1.00 M	0.50 M
F.S.D	0.50 M	0.30 M
BED FALL	1/2000	1/2000
VALUE OF n"	0.025	0.025

ALAVALA PADU DISTRIBUTORY

BED LEVEL = 232.027 START

0.200 K.M MEASURING FLUME

0.235 K.M 1" CLASS BRIDGE

0.315 K.M 1.00 M DROP

0.450 K.M 1.00 M DROP

0.757 K.M 1" CLASS BRIDGE

1.140 K.M 0.60 M DROP

1.175 K.M 1" CLASS BRIDGE

1.786 K.M 1" CLASS BRIDGE

1.920 K.M 1.00 M DROP

2.070 K.M 1.00 M DROP

2.205 K.M 1.00 M DROP

2.370 K.M 0.60 M DROP 225.242

2.670 K.M 0.60 M DROP

2.820 K.M 1.00 M DROP

2.880 K.M 1.00 M DROP

2.900 K.M 1" CLASS BRIDGE

2.925 K.M 1.00 M DROP

3.060 K.M 1.00 M DROP

3.165 K.M 1.00 M DROP

3.225 K.M 1.00 M DROP 218.615

3.310 K.M 1" CLASS BRIDGE 217.615

3.510 K.M 1.00 M DROP

3.600 K.M 1.00 M DROP 216.428

3.705 K.M 1.00 M DROP 215.428

3.840 K.M 1.00 M DROP

3.990 K.M 0.60 M DROP

4.080 K.M 1.00 M DROP

4.170 K.M 1.00 M DROP 211.943

210.943

4.238 K.M UNDER TUNNEL

210.823

4.540 K.M 1" CLASS BRIDGE 2098.23

(35)

N
57 m.s.

length measured.

R MINOR (447.12 ACRES) 5.490 K.M
LENGTH = 2.400 K.M BED LEVEL = 208.083

R MINOR (164.39 ACRES) 6.450 K.M
LENGTH = 1.500 K.M BED LEVEL = 207.603

1.090 K.M

4th MINOR.
60 ACRES.

197.038

0.60 drop

9.180

6.438

4.560 - 0.60 M DIP 209.749 209.149
H.700 K.M 0.60 M DROP 209.058
208.058

5.480 K.M L" CLASS BRIDGE

5.550 K.M L" CLASS BRIDGE

6.450 K.M 1st MINOR (478.88 ACRES)
LENGTH = 2.000 K.M BED LEVEL = 207.603

6.570 K.M 0.60 M DROP 207.543

6.750 K.M 0.60 M DROP 206.943

6.900 K.M 0.60 M DROP

7.000 K.M 0.60 M DROP

7.020 K.M 1.00 M DROP

7.125 K.M L" CLASS BRIDGE

7.260 K.M 1.00 M DROP

7.470 K.M L" CLASS BRIDGE 0.60 DIP

7.620 0.60 DIP 203.293

7.830 K.M 0.60 M DROP 202.693

8.000 K.M 0.60 M DROP

8.310 K.M 0.60 M DROP 201.473

8.370 K.M L" CLASS BRIDGE 200.473

8.550 K.M 0.60 M DROP

8.670 K.M 0.60 M DROP

8.850 K.M 1st CLASS BRIDGE 0.60 DIP

9.000 0.60 DIP 197.728 | 197.728

9.240 K.M L" CLASS BRIDGE

9.300

9.390 K.M 1.00 M DROP

9.570 K.M 1.00 M DROP

9.660 K.M CUT OFF WALL TAIL END

BED LEVEL = 194.183

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GONDIPALLI DISTRIBUTORY

P.B. CANAL

OFF TAKE 51.460 K.M OF P.B.C

Total Aycart 308.92 AC

314.68

3 R.F.C (38.34 ACRES) 0.840 K.M
BED LEVEL = 231.385

L = 300 M

5 R.F.C (31.60 ACRES) 1.230 K.M

BED LEVEL = 229.990
229.390
L = 400 M

7 R.F.C (52.46 ACRES) 0.180 K.M

L = 400 M BED LEVEL: 228.705

HYDRAULIC PARTICULARS

REACH	DISCHARGE (R)	DISCHARGE (D)	BED WIDTH	F.S.W	SIDE SLOPES	BED FALL	LENGTH
	0.000900-0.870	0.870-0.1410					
	0.104	0.079					
	0.126	0.070					
	0.090 M	0.10 M					
	0.40 M	0.40 M					
	Y ₂ :1	Y ₂ :1					
	Y ₃ :000	Y ₂ :000					
	1.410 K.M						

GONDIPALLI DISTRIBUTORY

BED LEVEL 231.665 START

0.120 K.M C.T. L CLASS BRIDGE

0.525 K.M S.P.CUM L CLASS BRIDGE

0.645 K.M L CLASS BRIDGE

0.650 K.M 1 F.C [81.02 ACRES]

L = 900 M /
BED LEVEL 231.445

0.60 M DROP 0.60 M DROP

0.840 K.M 2 F.C (43.70 ACRES)

BED LEVEL = 231.385 L = 600 M

0.870 K.M 0.60 M DROP 230.785

0.60 M 0.70 D

1.050 K.M (0.60 M) DROP

1.230 K.M 0.60 M DROP 4 F.C (15.80) ACRES

BED LEVEL = 229.990 L = 500 M

1.260 K.M L CLASS BRIDGE

0.45 M /

1.350 K.M 0.60 M DROP

1.380 Pipe culvert

1.410 K.M TAIL END

0.000 P.F.C OFFTAKE BED LEVEL 228.700
(98.46 ACRES)

0.120 K.M 0.60 M DROP

0.180 K.M 0.60 M DROP 6 F.C. (46.00) ACRES

BED LEVEL 228.705

L = 400 M

0.270 K.M 0.60 M DROP

0.1480 K.M TAIL END

BED LEVEL 226.660

HIGHWAY DISTRIBUTORY

P.B. CANAL

OFF TAKE 53.960 K.M OF P.B.C

561.97 Acre
 $A_{\text{cu}} = 275 \text{ Acre}$

R MINOR (110 ACRES) 0.300 K.M
BED LEVEL = $\frac{230.208}{229.708}$ LENGTH = 1.000 K.M

HYDRAULIC PARTICULARS

DISCHARGE (R)	0.093 CUMEC
DISCHARGE (D)	0.117 CUMEC
BED WIDTH	0.50 MTR
SURFACE FALL	1/400
F.S.D	0.30M
SIDE SLOPES	1:1 MR 2.5% SLOP
VALUE OF n	0.025
VELOCITY	0.604 m ³ /sec

WATER DISTRIBUTORY

BED LEVEL 230.897 START

0.265 K.M 0.80 M DROP

0.300 K.M 1.00 M DROP 1^L MINOR (110 ACRES)
BED LEVEL $\frac{230.208}{229.708}$ LENGTH = 1.000 K.M

0.370 K.M 0.80 M DROP

0.700 K.M 1.00 M DROP

0.800 K.M PIPE CULVERT

0.900 — 2^L 30 A.C.

1.000 K.M PIPE CULVERT

1.300 K.M TAIL END

Assumed lengths

31 KOTHAPAZI DISTRIBUTORY NO:1

P.B. CANAL ←

OFF TAKE 54.700 K.M OF P.B.C.

*1542.99 A.M.
TW 1
1708.80 A.M.*

R MINOR (295.77 ACRES) 0.120 K.M
BED LEVEL = 229.938 LENGTH 1.50 KM

HYDRAULIC PARTICULARS

REACH 0.000 TO 2.370 K.M	
DISCHARGE (R)	0.681 CUMES
DISCHARGE (D)	0.684 "
BED WIDTH	2.00 MTS
F.S.D	0.60 M
VELOCITY	0.496 M/S
SURFACE FALL	1/2500

HYDRAULIC PARTICULARS

REACH 2.370 TO 5.670 K.M	
DISCHARGE (R)	0.397 CUMES
DISCHARGE (D)	0.436 CUMES
BED WIDTH	1.50 MTS
F.S.D	0.50 M
VELOCITY	0.436 M/S
SURFACE FALL	1/1500

HYDRAULIC PARTICULARS

REACH 5.670 TO 8.040 K.M	
DISCHARGE (R)	0.139 CUMES
DISCHARGE (D)	0.159 CUMES
BED WIDTH	1.00 MTS
F.S.D	0.40 M
VELOCITY	0.331 M/S
SURFACE FALL	1/1000

F.C.A
(length) 10 km.

2^R MINOR 353.30 ACRES 2.30 K.M
BED LEVEL 110
LENGTH 2.80 K.M

BED LEVEL 230.598 START

0.030 K.M 0.60 M DROP

0.120 K.M 0.60 M DROP 1^L MINOR

BED LEVEL 229.938 LENGTH 0.80 KM
(52 ACRES)

0.180 K.M 0.60 M DROP

0.210 K.M 0.60 M DROP

0.510 K.M 0.60 M DROP

0.570 K.M 0.60 M DROP 227.313

226.713

0.630 K.M 0.60 M DROP

0.650 K.M 0.60 M DROP (X) ✓

0.780 K.M 0.60 M DROP

0.810 K.M L CLASS BRIDGE

0.840 K.M 0.60 M DROP

0.885 K.M 0.60 M DROP (X) ✓

0.915 K.M 0.60 M DROP

224.73=

0.945 K.M 0.60 M DROP

224.14=

1.020 K.M 0.60 M DROP

1.500 K.M 0.60 M DROP

1.635 K.M 0.60 M DROP

1.710 K.M 0.60 M DROP

1.830 K.M 0.60 M DROP 2^L MINOR

LENGTH 2.30 K.M 200 ACRES

BED LEVEL 220.683
220.083

1.920 K.M 0.60 M DROP

2.154 K.M L CLASS BRIDGE

2.340 K.M 0.60 M DROP

2.990 K.M L CLASS BRIDGE

3.180 K.M 0.60M DROP

3.330 K.M 0.60M DROP

3.420 K.M 0.60M DROP

3.510 K.M 0.60M DROP

3.570 K.M 0.60M DROP 215.713
215.113

4.150 K.M L" CLASS BRIDGE

4.460 K.M L" CLASS BRIDGE

4.720 K.M L" CLASS BRIDGE

5.070 K.M L" CLASS BRIDGE

5.640 K.M 0.60M DROP

5.685 K.M 0.60M DROP CUM L" CLASS BRIDGE

5.730 K.M 0.60M DROP 3^L MINOR (208 ACRES)

BED LEVEL 212.833 LENGTH 1.10K.M
212.233

5.790 K.M 0.60M DROP)

5.835 K.M 0.60M DROP)

5.880 K.M 0.60M DROP)

5.940 K.M 0.60M DROP)

6.000 K.M 0.60M DROP)

6.075 K.M 0.60M DROP)

6.120 K.M 0.60M DROP)

6.180 K.M 0.60M DROP)

6.450 K.M 0.60M DROP)

6.520 K.M 0.60M DROP)

6.600 K.M L" CLASS BRIDGE

6.900 K.M L" CLASS BRIDGE

7.000 K.M 0.60M DROP)

7.180 K.M 0.60M DROP)

7.290 K.M 0.60M DROP)

7.530 K.M 0.60M DROP 4^L MINOR (44.95 A.C.)

BED LEVEL 203.537 LENGTH = 1.600 K.M
202.937

7.620 K.M 0.60M DROP)

8.040 K.M EXCAVATION BALANCE UP
TAILEND 10.100 K.M

HR MINOR (100 ACRES) 8.040 K.M
BED LEVEL : 202.082 LENGTH - 1.10K.M

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KOTHPALLI DISTRIBUTORY NO: 2.

P.R. CANAL

OFF TAKE 55.600 K.M OF P.B.C

$U_{2b} = 18$ 280 ACRE

2R P.F.C 68 ACRES D.300 K.M
BED LEVEL 230.208
Length : 450 M

HYDRAULIC PARTICULARS

RECH	0.005 to 0.300	0.300
DISCHARGE (D)	0.119 CUMES	0.116 CUMES
DISCHARGE (R)	0.094 "	0.094 "
BED WIDTH	0.70M	0.60M
F.S.D	0.40M	0.35M
SURFACE FALL	1/2000	1/1000
SIDE SLOPES (D)	1/2:1	1/2:1
LENGTH	1.260 K.M	
VELOCITY	0.3324 M/S	0.3375 M/S
SIDE SLOPES (E)	1:1	1:1

4R P.F.C (47 ACRES) 1.100 K.M

BED LEVEL 225.503

L = 300 ft. 224.898
 223.96^3

Assumed
2.0% F.C

P.R. CANAL

OFF TAKE 55.600 K.M OF P.B.C

BED LEVEL 230.358 START

0.200 K.M B' CLASS BRIDGE

0.300 K.M 0.60M DROP 1^L P.F.C (89 ACRES)
BED LEVEL = 230.208
 229.593 L = 550 M-

0.400 K.M 0.60M DROP

0.450 K.M 0.60M DROP

0.510 K.M 0.60M DROP

0.570 K.M 0.60M DROP

0.630 K.M PIPE CULVERT

0.660 K.M 0.60M DROP

- 0.21301 CM 0.60M DROP

0.930 K.M 0.60M DROP 3^L P.F.C (76 ACRES)

B.L 226.078
 225.578 L = 500 M

0.960 K.M PIPE CULVERT

1.020 K.M 0.60M DROP

1.080 K.M 1" CLASS BRIDGE

1.170 K.M 0.60M DROP

1.260 K.M TAIL END

BED LEVEL 224.248 END

CHAGALERU DISTRIBUTORY

P.B. CANAL ←

OFF TAKE 57.080 K.M OF P.B.C

505.48.
ACRS.509.11

1R MINOR 1/40 ACRES 0.310 K.M

BED LEVEL 226.862 100 K.M
225.862

CHAGALERU DISTRIBUTORY

BED LEVEL 229.586

0.050 K.M 1.00 M DROP

0.110 K.M 0.60 M DROP

0.160 K.M 1.00 M DROP

0.250 K.M 0.60 M DROP

0.310 K.M 1.00 M DROP 1^L MINOR 1/30 ACRES
1200 K.MBED LEVEL 226.862
225.862

0.400 K.M PIPE CULVERT

0.460 K.M 0.60 M DROP

0.600 K.M 0.60 M DROP

0.700 K.M 0.60 M DROP

0.760 K.M 1.00 M DROP

0.860 K.M 0.60 M DROP

0.950 K.M 0.60 M DROP

1.050 K.M 0.60 M DROP

1.150 K.M 0.60 M DROP

1.250 K.M 0.60 M DROP

1.320 K.M 0.60 M DROP

1.400 K.M 1.00 M DROP

1.420 K.M PIPE CULVERT

1.500 K.M 0.60 M DROP

1.700 K.M PIPE CULVERT

1.750 K.M 2^L MINOR 1/20 ACRES

BED LEVEL 216.502 LENGTH 1250 K.M

1.850 K.M 0.60 M DROP

2.000 K.M 0.60 M DROP

2.150 K.M 0.60 M DROP

2.190 K.M PIPE CULVERT

2.300 K.M 0.60 M DROP

2.450 K.M 0.60 M DROP

2.600 K.M 0.60 M DROP

2.700 K.M 0.60 M DROP

2.900 K.M 0.60 M DROP

3.005 K.M PIPE CULVERT

3.150 K.M 0.60 M DROP

3.200 K.M TAIL END 269.570 End

HYDRAULIC PARTICULARS

REACH	0.000 to 1.500	1.500 to 3.200
DISCHARGE (Q)	0.200 CUMES	0.140 CUMES
DISCHARGE (Q)	0.143 "	0.154 "
BED WIDTH	1.00M	0.70M
F.S.D	0.140M	0.40M
SURFACE FALL	1/1000	1/1200
VELOCITY	0.506	0.427
SIDE SLOPES (D)	1:1	1:1
SIDE SLOPES (E)	1:1	1:1

Planned
End

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KATHALUR DISTRIBUTORY NO: I taking off
at km 58.300 of P.B.C

P.B.CANAL

OFF TAKE 58.300 K.M OF P.B.C

B.L start 228.860.

334.81 Acre
T.H. 225 ACRES

^{2R} P.F.C (23 ACRES) 1.050 KM
L = 300 mts B.L 225.260
224.660.

^{4R} P.F.C [40 ACRES] 1.470 K.M
L = 300 mts D.L 223.325
222.725

HYDRAULIC PARTICULARS	
DISCHARGE (R)	0.090 cumecs
DISCHARGE (O)	0.120 "
BED WIDTH	0.80 M
SIDE SLOPES (D)	1/2:1
SIDE SLOPES (E)	1:1
SURFACE FALL	1/2000
LENGTH	1.770 K.M
VALUE OF "m"	0.025
VELOCITY	0.310 m/sec
F.S.D	0.40 m

Assumed
lengths

BED LEVEL 228.860 START

0.255 K.M 0.60 M DROP

0.555 K.M 0.60 M DROP

0.650 K.M L" CLASS BRIDGE WORK
TO BE DONE

0.870 K.M 0.60 M DROP

1.050 K.M 0.60 M DROP

1.200 K.M 0.60 M DROP L P.F.C
L = 600 mts 84 ACRES

1.290 K.M 0.60 M DROP

1.330 K.M L" CLASS BRIDGE

1.350 K.M 0.60 M DROP

1.470 K.M 0.60 M DROP 3^L P.F.C
L = 600 mt [78 ACRES]

1.620 K.M 0.60 M DROP

1.680 K.M 0.60 M DROP

1.740 K.M 0.60 M DROP

1.770 K.M TAIL END

BED LEVEL = 221.405 END

J TALLAPALLI DISTRIBUTORY OFF TAKE JK 60.920

→ P.B. CANAL →

OFF TAKE 60.920 K.M OF P.B.C

BED LEVEL = 227.238
R P.F.C 78 ACRES 0.240 K.M
Length = 700 mt

278.51 Avg
290.21 Perv

BED LEVEL 224.518
223.518
R P.F.C (46.21 ACRES) 0.480 K.M
Length = 300 mt

HYDRAULIC PARTICULARS	
DISCHARGE (R)	0.100 CU M/SEC
DISCHARGE (D)	0.136 "
BED WIDTH	0.80 MTS
F.S.D	0.40 M
F.S.L	227.758
SIDE SLOPES (D)	1/2:1
SIDE SLOPES (E)	1:1
SURFACE FALL	1/2000
VALUE OF n	0.025

BED LEVEL = 227.358 Starting

0.240 K.M 1.0M DROP 1^L P.F.C
[84 ACRES]

Length = 800 mt

0.360 K.M 0.60M DROP

0.420 K.M 1.0M DROP

0.480 K.M 1.0M DROP 3^L P.F.C
Length = 800 mt [82 ACRES]

0.540 K.M 1.0M DROP

0.570 K.M PIPE CULVERT

0.600 K.M 1.0M DROP

0.630 K.M 1.0M DROP

0.690 K.M 1.0M DROP

0.780 K.M TAIL END DAM

BED LEVEL 219.768 END

KATHALUR DISTRIBUTORY NO: 2.

P.B. CANAL

OFFTAKE 63.880 K.M OF P.B.C.

BED LEVEL = 225.740 START

0.040 K.M 1.00 M DROP

P.F.C. (100 ACRES) 0.180 K.M
 LENGTH = 1.200 K.M BED LEVEL = 224.650
223.650

0.180 K.M 1.00 M DROP 1^L P.F.C (90 ACRES)
 BED LEVEL = 224.650 LENGTH = 1.100 K.M
223.650

0.300 K.M 1.00 M DROP

0.380 KM 1.00 M DYP

0.480 K.M 1.00 M DROP

0.540 K.M 1.00 M DROP / 220.475
219.475

0.680 K.M 1.00 M DROP

0.860 K.M 1.00 M DROP

0.950 K.M B" CLASS BRIDGE

1.010 K.M CULVERT

1.030 K.M 2^L P.F.C (90 ACRES) ✓
 BED LEVEL = 217.990 LENGTH = 1.200 K.M
217.220

1.050 K.M 1.00 M DROP

1.070 K.M 1.00 M DROP

1.140 K.M 1.00 M DROP

1.180 K.M 1.00 M DROP

1.300 K.M 1.00 M DROP

1.400 K.M 1.00 M DROP

1.480 K.M 1.00 M DROP

1.760 K.M PIPE CULVERT

1.900 K.M 0.50 M DROP

2.060 K.M 1.00 M DROP

2.160 K.M PIPE CULVERT

2.220 K.M TAIL END

BED LEVEL = 208.133 END

HYDRAULIC PARTICULARS

DISCHARGE (R)	0.148 CUMEC/S
DISCHARGE (D)	0.155 CUMEC/S
SURFACE FALL	1/2000
BED WIDTH	0.90 MTS
VALUE OF n"	0.02
F.S.L	226.140
	0.400

(F.S.L)

Measured levels

VEMPALLI ³⁷ DISTRIBUTORY NO: 2

> P.B. CANAL ←
OFF TAKE 66,300 K.M OF P.B.C

821.59 457.89
 ~~100~~ ~~100~~
 ~~20~~ ~~54~~
 177?

R. MINOR (121.43 ACRES) 0.755 K.M.
LENGTH = 0.350 K.M BED LEVEL = 224.722

R MINOR (209.09 ACRES) 1.510 K.M.
LENGTH = 0.80 K.M BED LEVEL = 224.532

R MINOR(78.89 ACRES) 1.800 K.M.
LENGTH = 0.500 K.M BEDLEVEL = 224.232

MINOR (72.45 ACRES) 2,500 K.M.
Length = 750 M.L B.L 224.032

SR MINOR (76.03 ACRES) 3.060 K.M
Length = 600 M.F B.L 221-812
221-812

VEMPALI DISTRIBUTORY NO: 2

HYDRAULIC PARTICULARS				6A.
REACH	0.000 70 1.100 KM	1.10 70 2.310 KM	2.30 70	
DISCHARGE (R)	0.316	0.1815	0.1486	12.86
DISCHARGE (D)	0.3408	0.1974	0.1562	5.8
BED WIDTH	1.750 M	1.20 M	1.20 M	
F.S.D	0.45M	0.45M	0.35M	
BED FALL	1/3000	1/3000	1/3000	
VALUE OF n	0.025	0.025	0.025	
VELOCITY	0.344 M/s	0.3084	0.288 M/s	
SIDE SLOPES	1:1	1:1	1:1	

A Bunnad
w-915

BED LEVEL = 224.832 START

0.030 K.M B"CLASS BRIDGE

0.264 K.M S.P.C.U.M L'CLASS BRIDGE X

0.750 K.M S.P.C.U.M L'CLASS BRIDGE

2.143 K.M INLET

- 2.442 km S.P.

3.060 K.M 1.00M DROP

1-10

3.120 K.M 1.00AM DROP 219.787
3.135 K.M 1.00AM DROP 218.787

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10. The following table shows the number of hours worked by 1000 workers in a certain industry.

~~3.360 K.M 1.00 M DROP~~ ~~A3-71~~
~~214-712~~

3.60015.M TAIL END

BEDLEVEL = 214.652 END

400

38

VEMPALLI DISTRIBUTORY NO:1

→ P.B. CANAL

OFF TAKE 66.470 K.M OF PBC

2202.51 Acre

961.05

Ayavur

→ VEMPALLI DISTRIBUTORY NO:1

BED LEVEL 224.802

0.169 K.M L" CLASS BRIDGE

0.925 K.M 1^L MINOR (318.69 ACRES)

BED LEVEL 224.482 LENGTH = 1.260 K.M

1.065 K.M L" CLASS BRIDGE

1.520 K.M U.T

1.600 K.M U.T

1.835 K.M 2^L MINOR 258.37 ACRES

BED LEVEL 224.152 LENGTH 1.930 K.M

2.324 K.M U.T.

2.4160 K.M 3^L MINOR (176.27 ACRES)

BED LEVEL = 223.933 LENGTH = 1.095 K.M

3.717 K.M L" CLASS BRIDGE

3.720 K.M 4^L MINOR (23.13 ACRES)

B.L = 223.503 LENGTH = 1.20 K.M

4.020 K.M AQUEDUCT TO BE DONE

4.120 K.M AQUEDUCT TO BE DONE

4.920 K.M L" CLASS BRIDGE

5.420 K.M 5^L MINOR (57.22 ACRES)

BED LEVEL = 222.851 LENGTH = 0.600 K.M

5.940 K.M 6^L MINOR (61.70 ACRES)

BED LEVEL = 222.635 LENGTH = 0.630 K.M

6.150 K.M TAIL END (65.67 ACRES)

BED LEVEL = 222.551

Hannan
graphs

HYDRAULIC PARTICULARS

REACH	0.000 to 1.080 K.m	1.080 to 2.340	2.340 to 4.020	4.020 to 4.470	4.470 to 6.150
DISCHARGE (R)	0.470 l/min	0.3430	0.2373	0.137	0.0248
DISCHARGE (D)	0.4829 "	0.3434	0.2805	0.1563	0.0433
BED WIDTH	2.50m	1.75m	1.20m	1.00	0.50m
BED FALL	1/3000	1/3000	1/3000	1/3000	1/2500
VALUE OF n^*	0.025 m ^{1/6}	0.025	0.025	0.025	0.025
VELOCITY	0.3639	0.3469	0.3262	0.2881	0.2311
SIDE SLOPES	1:1	1:1	1:1	1:1	1:1
F.S.D	0.45m	0.48	0.35	0.30	0.25