

HYDRAULIC PARTICULARS @ K.M.3.40 OF MALAYALA CANAL

S.NO	DESCRIPTION	UNITS	PARTICULARS
1	DISCHARGE (D)	CUM	3.60
2	BED WIDTH	M	1.40
3	FULL SUPPLY DEPTH	M	3.20
4	VELOCITY	M/S	0.65
5	SIDE SLOPES ( 1/D )	-	1/1.5/4
6	BED FALL	-	1 IN 5500
7	ROUGHNESS COEFFICIENT	-	0.018
8	FREE BOARD	M	0.90
9	CANAL BED LEVEL	M	+265.830
10	FULL SUPPLY LEVEL	M	+267.030
11	TOP OF BANK LEVEL	M	+267.930
12	GROUND LEVEL(CENTRE)	M	+266.520
13	TOP WIDTH OF BUND(L/R)	M	2.5/5.00

STRESS TABLE					
SL NO	DESCRIPTION	STRESS IN CONCRETE		STRESS ON SOIL	
		MAX 1/50MM	MAX 1/250MM	MAX 1/50MM	MAX 1/250MM
1	U/S HEAD WALL	16.185	-2.704	14.434	0.843
2	D/S HEAD WALL	16.185	-2.704	14.434	0.843
3	U/S WING WALL @ JN WITH HEAD WALL	15.093	-2.827	12.983	0.492
4	U/S WING WALL AND RETURNS	16.528	-3.264	14.211	0.209
5	D/S WING WALL @ JN WITH HEAD WALL	15.093	-2.827	12.983	0.492
6	D/S WING WALL AND RETURNS	11.317	-2.280	9.579	0.800

HYDRAULIC PARTICULARS OF DRAIN		
1	CATCHMENT AREA	0.055 SQ.K.M
2	MAXIMUM FLOOD DISCHARGE OF DRAIN (COMPUTED)	2.202 CUMSECS

<p align="center"><b>GOVERNMENT OF ANDHRA PRADESH I &amp; C A.D. DEPT., GODAVARI WATERS CIRCLE</b></p>			
<p align="center"><b>GANDIKOTA LIFT IRRIGATION SCHEME U.T. AT KM 1.350 OF MALAYALA CANAL (HUME PIPE ONE VENT OF 1000mmØ) GENERAL PLAN, ELEVATION ,SECTION &amp; NOTES</b></p>			
DRAWN BY:		RECOMMENDED BY:	
CHECKED BY:			
SUBMITTED BY:			
SCALE AS INDICATED	FILE NO:	AUGUST 2008	DRG NO: