

NOTES AND SPECIFICATIONS

1. ALL DIMENSIONS ARE IN MILLIMETRES AND THE LEVELS ARE IN METRES.
2. DO NOT SCALE THE DRAWING. ONLY FIGURED DIMENSIONS SHALL BE FOLLOWED.
3. 300 THICK SIDE REVETMENT IS PROPOSED FOR THE BANKS BOTH ON U/S & D/S
4. THE SPECIFICATIONS PROPOSED FOR THE VARIOUS COMPONENTS OF THE STRUCTURE ARE AS FOLLOWS
5. THE SBC OF FOUNDATION STRATA ENSURED BEFORE EXECUTION
6. 12MM THE EXPANSIVE JOINT WITH 300MM EIDE PVC WATER STOPPER AND MASTIC PAD SHALL BE PROVIDED AT JUNCTIONS BETWEEN SIDE WALLS & WINGS & FILLED WITH SEILING COUMPOUND
- 7.75MMDIA WEEPHOLES ARE PROVIDED IN WINGS,RETURNS WITH REVERCE FILLERE @1800C/CSTAGGEND BOTH VERTICULLY & HORIZONTLY
- 8.PROVIDE 2ROWS AT 16 DIA DOWEL BANKS @1000C/C INSLAB UNDER HEAD WALLS
- 9.THE CORRECTION OF CA LIES WITH THW EXECUTIVE ENGINEER ENSURE THE SAME BEFORE EXECUTION

Sl.No	DETAILS OF COMPONENTS	GRADE OF CONCRETE	MAX. SIZE OF C.A
1	SEALING COAT OVER BOX IN CANAL PORTION & OVER BOTTOM MEMBER OF BOX	CC M25	20 MM
2	BOX UNDER CANAL TROUGH	RCC M20	20 MM
3	APRON FLOOR, CUTOFF WALL OF APRON		
4	WEARING COAT OVER APRON FLOOR	CC M15	40 MM
5	HEAD WALL, WING & RETURNS	CC M20	20 MM
6	CANAL LINING	CC M15	40 MM
7	FOUNDATION CONCRETE OF WINGS, RETURNS, CUTOFF WALL OF RETURN	CC M15	20 MM
8	LEVELLING COURSE BELOW BOX	CC M15	40 MM
		CC M15	20 MM

REFERENCE CODES

1. IS : 456 - 2000
2. IS : 383
3. IS : 7784 (PART I & II)
4. IS : 3370 (PART I , II)
5. IS : 1783 - 1985

HYDRAULIC PARTICULARS OF CANAL

SL.NO.	PARTICULARS	CANAL @ KM.
		21.925
1	DISCHARGE (REQD.)	3.380 cumecs
2	DISCHARGE (DES.)	3.608 cumecs
3	BED WIDTH	4.700 mts.
4	FULL SUPPLY DEPTH	1.050 mts.
5	VELOCITY	0.548 mts/sec
6	BED FALL	1 in 4700
7	COEFFT. OF RUGOSITY	0.0225
8	FREE BOARD	0.50 mts
9	SIDE SLOPES	1.5 : 1
10	TOP WIDTH OF BANKS (LEFT)	2.500 mts.
	(RIGHT)	5.00 mts.
11	LOSS OF HEAD	0.00 mts.
12	BED LEVEL	+ 236.270 M
13	FULL SUPPLY LEVEL	+ 237.320 M
14	TOP OF BUND LEVEL	+ 237.820 M
15	Avg. GL	+ 235.000
1	DEEP BED LEVEL	+ 235.000 M
2	CATCHMENT AREA	0.500 sq.kms.
3	M.F.D	+ 11.59 Cumecs

REFERENCE DRAWINGS:

1. DRAWING NO. GLIS/HLC/UT-3.940/002/2008 - SECTIONS & R.C.C. DETAILS OF BOX

REVISION NO:	DRAWN	CHECKED	APPROVED	DATE
CLIENT	GOVERNMENT OF ANDHRA PRADESH IRRIGATION & CAD DEPARTMENT			
PROJECT	GANDIKOATA LIFT IRRIGATION SCHEME SANTHAKOVUR MAJOR DISTRIBUTORY			
TITLE	UNDER TUNNEL AT KM. 21.925 GENERAL PLAN & SECTIONAL ELEVATION			
CONTRACTORS	KBL - MCCL (JV) HYDERABAD			
DRAWING NO:	SCALE		DATE	
GLIS/HLC/UT/ 3.940/001/2008	AS INDICATED			

