



NOTES AND SPECIFICATIONS

- 1. ALL DIMENSIONS ARE IN MILLMETRES AND THE LEVELS ARE IN METRES.
- 2. DO NOT SCALE THE DRAWING. ONLY FIGURED DIMENSIONS SHALL BE FOLLOWED.
- 3. 200 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

SI.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, OF APRON	RCC M20	20 MM
4	WEARING COAT OVER APRON FLOOR	CC M20	20 MM
5	HEAD WALL, WING & RETURNS & DROP	CC M15	40 MM
6	CANAL LINING	CC M15	40 MM
7	FOUNDATION CONCRETE OF WINGS, RETURNS, CUTOFF WALL OF RETURN	CC M15	40 MM
8	LEVELLING COURSE BELOW BOX	CC M15	40 MM

REFERENCE CODES

- IS: 456 2000
- IS: 383
- IS: 7784 (PART | & ||)
- IS: 3370 (PARTI, II)

SL	.NO.	D. PARTICULARS		CANAL @ KM. 28,940		
	1	DISCHARGE (REQD.)		1.920	cumecs	
	2	DISCHARGE (DES.)		1.966	cumecs	
	3	BED WIDTH		3.570	mts.	
	4	FULL SUPPLY DEPTH		0.840	mts.	
	5	VELOCITY		0.484	mts/sec	
	6	BED FALL		1 in	4400	
	7	COEFFT. OF RUGOSITY		0.0225		
	8	FREE BOARD		0.50	mts	
	9	SIDE SLOPES		1.5	: 1	
	10	TOP WIDTH OF BANKS (LEFT) (RIGHT)		2.500 5.000	mts.	
	11	LOSS OF HEAD		0.020	mts.	
	12	BED LEVEL	+	234.036	M	
	13	FULL SUPPLY LEVEL	+	234.876	M	
	14	TOP OF BUND LEVEL	+	235.376	M	
	15	Avg. GL	+	232.900		
	1	DEEP BED LEVEL	+	232.900	M	
	2	CATCHMENT AREA		0.140	sq.kms	
	3	M.F.D	+	4.46	Cumecs	

REFERENCE DRAWINGS:

Superentending Engineer

GNSS Circle, Kadapa

1. DRAWING NO. GLIS/SKC/UT-27.900/002/2010 - 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						
111LE	UNDER TUNNEL AT KM. 28.940 GENERAL PLAN & SECTIONAL ELEVATION						
CONTRACTORS	KBL - MCCL (JV) HYDERABAD						
DRAWING NO:	5	CALE	DATE				
GLIS/SKC/UT/ 27.900/001/2010	AS IN	IDICATED					