



SD/- Dt: 09,10,2015 Superentending Engineer GNSS Circle, Kadapa

## 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	CC M15	40 MM	
6	CANAL LINING FOUNDATION CONCRETE OF WINGS, RETURNS, CUTOFF WALL OF RETURN	CANAL LINING	CC M15	20 MM
7		CC M15	40 MM	
8	LEVELLING COURSE BELOW BOX	CC M15	40 MM	

CANAL @ KM.

## REFERENCE CODES

- 1. IS: 456 2000
- 2. IS: 383
- IS: 7784 (PART | & ||)

**PARTICULARS** 

4. IS: 3370 ( PART I , II )

4.	13.3370 (1 AIXI
5.	IS: 1783 - 1985

			CIR (III to III).		
			31.850		
1	DISCHARGE (REQD.)		1.070	cumecs	
	212 01111102 (112(2).)		1.070		
2	DISCHARGE (DES.)		1.085	cumecs	
3	BED WIDTH		2.640	mts.	
4	FULL SUPPLY DEPTH		0.680	mts.	
5	VELOCITY		0.436	mts/sec	
6	BED FALL		1 in	4000	
			1 11	1000	
7	COEFFT. OF RUGOSITY		0.0225		
8	FREE BOARD		0.50	mts	
9	SIDE SLOPES		1.5	: 1	
10	TOP WIDTH OF BANKS (LEF	Γ)	2.500	mts.	
	( RIGI		5.000	mts.	
11	LOSS OF HEAD		0.000	mts.	
12	BED LEVEL	+	232.667	M	
13	FULL SUPPLY LEVEL	+	233.347	M	
14	TOP OF BUND LEVEL	+	233.847	M	
15	Avg. GL	+	231.400		
15	Avg. GL	+	231.400		
1	DEEP BED LEVEL	+	231.400	M	
2	CATCHMENT AREA		0.140	sq.kms	
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## REFERENCE DRAWINGS:

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						
1111.15	UNDER TUNNEL AT KM. 31.850 GENERAL PLAN & SECTIONAL ELEVATION						
CONTRACTORS	KBL - MCCL (JV) HYDERABAD						
DRAWING NO:	5C	ALE	DA	TE .			
GLIS/SKC/UT/ 27.900/001/2010	AS INI	DICATED					

+ 4.46 Cumecs

