



Trail Pit @ km 26.650

SD/- Dt: 17.06.2015
Superentending Engineer
GNSS Circle,Kadapa

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. 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 SEALING COMPOUND
7. 75MM DIA WEEPHOLES ARE PROVIDED IN WINGS. RETURNS WITH REVERCE FILLERE @1800C/C STAGEND BOTH VERTICULLY & HORIZONTLY
8. PROVIDE 2 ROWS AT 16 DIA DOWEL BANKS @1000C/C INSLAB UNDER HEAD WALLS

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

SL.NO.	PARTICULARS	CANAL @ KM.	
		23.650	
1	DISCHARGE (REQD.)	3.380	cumecs
2	DISCHARGE (DES.)	3.548	cumecs
3	BED WIDTH	4.610	mfs.
4	FULL SUPPLY DEPTH	1.050	mfs.
5	VELOCITY	0.546	mfs/sec
6	BED FALL	1 in 4700	
7	COEFFT. OF RUGOSITY	0.0225	
8	FREE BOARD	0.50	mfs
9	SIDE SLOPES	1.5	: 1
10	TOP WIDTH OF BANKS (LEFT) (RIGHT)	2.500 5.000	mfs. mfs.
11	LOSS OF HEAD	0.020	mfs.
12	BED LEVEL	+ 235.863	M
13	FULL SUPPLY LEVEL	+ 236.913	M
14	TOP OF BUND LEVEL	+ 237.413	M
15	Avg. GL	+ 235.000	
1	DEEP BED LEVEL	+ 235.000	M
2	CATCHMENT AREA	0.350	sq.kms.
3	M.F.D	+ 8.87	Cumecs

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			
TITLE	UNDER TUNNEL AT KM. 23.650 GENERAL PLAN & SECTIONAL ELEVATION			
CONTRACTORS	KBL - MCCL (JV) HYDERABAD			
DRAWING NO:	SCALE		DATE	
GLIS/SKC/UT/ 27.900/001/2010	AS INDICED			