



Trail Pit @ km 32,565

SD/- Dt: 23,11,2015 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. 225 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 THIC 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 6	HEAD WALL, WING & RETURNS,DROP,API CANAL LINING	PRON CC M15	40 MM
7	FOUNDATION CONCRETE OF WINGS,	CC M15	40 MM
·	RETURNS, CUTOFF WALL OF RETURN	CC M15	40 MM
8	LEVELLING COURSE BELOW BOX	CC M15	40 MM

REFERENCE CODES

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

SL.NO.	PARTICULARS	CA	CANAL @ KM.		
			32.56	55	
1	DISCHARGE (REQD.)		1.070	cumecs	
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	
7	COEFFT. OF RUGOSITY		0.0225		
8	FREE BOARD		0.50	mts	
9	SIDE SLOPES		1.5	: 1	
10		LEFT)	2.500	mts.	
	(F	RIGHT)	5.000	mts.	
11	LOSS OF HEAD		0.020	mts.	
12	BED LEVEL	+	230.668	M	
13	FULL SUPPLY LEVEL	+	231.348	M	
14	TOP OF BUND LEVEL	+	231.848	M	
15	Avg. GL	+	229.020		
1	DEEP BED LEVEL	+	229.020	M	
2	CATCHMENT AREA		0.138	sq.kms.	
3	M.F.D	+	4.42	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					
1111.E	UNDER TUNNEL AT KM. 32.565 GENERAL PLAN & SECTIONAL ELEVATION					
CONTRACTORS	KBL - MCCL (JV) HYDERABAD					
DRAWING NO:	50	ALE	D	ATE		
GLIS/SKC/UT/ 27.900/001/2010	AS INI	DICATED				