



SD/- Dt: 09.10.2015  
Superintending Engineer  
GNSS Circle, Kadapa

- | Sl.No | DETAILS OF COMPONENTS  | GRADE OF CONCRETE | MAX. SIZE OF C.A |
|-------|--|-------------------|------------------|
| 1     | SEALING COAT OVER BOX<br>IN CANAL PORTION & OVER BOTTOM<br>MEMBER OF BOX | CC M25            | 20 MM            |
| 2     | BOX UNDER CANAL TROUGH,<br>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   | CC M15            | 20 MM            |
| 7     | FOUNDATION CONCRETE OF WINGS,<br>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
3. IS : 7784 (PART I & II)
4. IS : 3370 ( PART I , II )
5. IS : 1783 - 1985

SL.NO.	PARTICULARS	CANAL @ KM.	
		<b>31.850</b>	
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	TOP WIDTH OF BANKS ( LEFT )	2.500	mts.
	( RIGHT )	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	
1	DEEP BED LEVEL	+ 231.400	M
2	CATCHMENT AREA	0.140	sq.kms.
3	M.F.D	+ 4.46	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. 31.850 GENERAL PLAN & SECTIONAL ELEVATION			
CONTRACTORS	KBL - MCCL (JV) HYDERABAD			
DRAWING NO:	SCALE		DATE	
GLIS/SKC/UT/ 27.900/001/2010	AS INDICATED			