



NOTES & SPECIFICATIONS :

1. ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METRES. FOLLOW FIGURED DIMENSIONS AND DO NOT SCALE THE DRAWING.
2. MINIMUM COVER TO ALL REINFORCEMENT SHALL BE 40 MM TO ENSURE PROPER COVER OF CONCRETE TO REINFORCEMENT.
3. ALL REINFORCING STEEL SHALL BE OF HIGH YIELD STRENGTH DEFORMED BARS, (FE 415) CONFORMING TO IS 1786 - 1985.
5. JOINTS OR LAPPING OF BARS IN MAIN REINFORCEMENT SHALL BE AVOIDED AS FAR AS POSSIBLE. HOWEVER IF LAPS ARE INEVITABLE, THE PROVISION IN CLAUSE OF SHALL BE STRICTLY FOLLOWED.
6. BENDING OF REINFORCEMENT BARS SHALL BE AS PER IS - 2502. SUPPORTING CHAIRS OF 12 MM DIA SHALL BE PROVIDED AT SUITABLE INTERVALS AS PER IS - 2502.
7. CONCRETE SHALL BE PREPARED IN THE MECHANICAL MIXERS OF CAPACITY NOT LESS THAN 200 LITRES. PROPER COMPACTION OF CONCRETE SHALL BE ENSURED BY USE OF FORM AND NEEDLE VIBRATORS.
8. ALL HAUNCHES PROPOSED IN THE BOXES ARE OF 150 X 150 SIZE
9. PIPE JOINTS SHALL BE AS SHOWN IN THE DRAWING OR OF ANY OTHER STANDARD TYPE.

S.NO.	PARTICULARS	GRADE OF CEMENT CONCRETE AS PER IS:456-2000	MAX SIZE OF GRADED COARSE AGGREGATE AS PER IS:383-1999.
a	HEAD WALL, WINGS & RETURNS	CC M15 GRADE	40 MSA
b	BOX	RCC M20 GRADE	20 MSA
c	WEARING COAT	CC M25 GRADE	20 MSA
d	FOUNDATION COCRETE OF HEAD WALL, WINGS & RETURNS	CC M15 GRADE	40 MSA
e	BED CONCRETE & APRON	CC M15 GRADE	40 MSA
f	C.C LINING	CC M15	20MSA
g	CUT OFF	CC M 15	40 MSA

Codes for Reference: 1. IS : 383 - 1999 2. 3. IS : 456 - 2000 3. IS : 458 - 1988

HYDRAULIC PARTICULARS				
SL.NO.	PARTICULARS	MAIN CANAL	DISTRIBUTORY	
1	AYACUT			acres
2	DISCHARGE (REQD.)	2.915 cumecs		2.4550 cumecs
3	DISCHARGE (DES.)	3.22 cumecs		2.4596 cumecs
4	BED WIDTH	3 mts.		4.000 mts
5	FULL SUPPLY DEPTH	1.05 mts.		0.850 mts
6	VELOCITY	0.87 mts/sec		0.549 mts/sec
7	BED FALL	1 in 9000		1 in 2900
8	COEFFT. OF RUGOSITY	0.018		0.0250
9	FREE BOARD	0.5 mts		0.45 mts
10	SIDE SLOPES	1.5 : 1		1.5 : 1
11	TOP WIDTH OF BANKS (LEFT) (RIGHT)	5 mts 2.5 mts		1.20 mts 1.20 mts
12	BED LEVEL	+ 261.983		+ 262.133
13	FULL SUPPLY LEVEL	+ 263.033		+ 262.983
14	TOP BUND LEVEL	+ 263.533		+ 263.433
14	AVG. G.L.	+ 264.125		+ 264.125

REVISION NO:	REFERENCE	DATE
CLIENT	GOVERNMENT OF ANDHRA PRADESH IRRIGATION & CAD DEPARTMENT	
PROJECT	GANDIKOTA LIFT IRRIGATION SCHEME MALYALA SUPPLY CHANNEL	
TITLE	OFF TAKE SLUICE AT KM.17.075	
CONTRACTORS	M/S KBL - MCCL (JV) PUNE	
CONSULTANTS		
DRAWING NO: GLIS/MSC/OT-1.840 001/2011	SCALE AS INDICATED	DATE