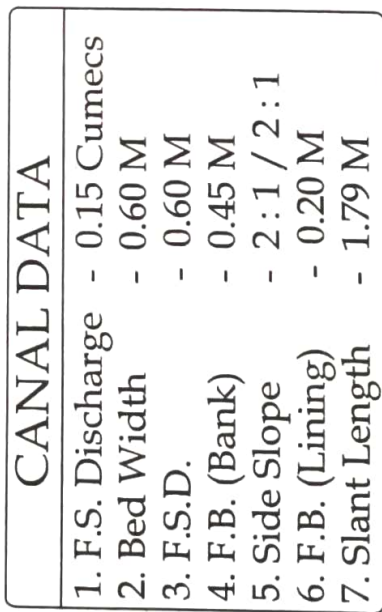


## FROM RD - 0 M TO 1050 M



<p align="center"><b>GOVERNMENT OF CHHATTISGARH, WATER RESOURCES DEPARTMENT</b></p> <p align="center"><b>OFFICE OF THE EXECUTIVE ENGINEER, MINIMATA BANGO CANAL DN NO. 5, KHARSIA (C.G.)</b></p> <p align="center"><b>RENOVATION OF SARASKELA TANK SCHEME</b></p>			
<p align="center"><b>DRAWING OF C.C. LINING OF MAIN CANAL FROM RD 0 M TO 1050 M</b></p>			
<p>CHECKED BY</p> <p align="center"><i>P. C. W.</i></p> <p align="center">SUB ENGINEER/ ASSISTANT ENGINEER</p>	<p>CHECKED BY</p> <p align="center"><i>P. C. W.</i></p> <p align="center">ASSISTANT ENGINEER (D) KELO PROJECT DAM CIRCLE KHARSIA (C.G.)</p>	<p>CHECKED BY</p> <p align="center"><i>[Signature]</i></p> <p align="center">ASSISTANT ENGINEER (D) MINIMATA (HASDEO) BANGO PROJECT, BILASPUR (C.G.)</p>	<p>CHECKED BY</p> <p align="center"><i>[Signature]</i></p> <p align="center">EXECUTIVE ENGINEER (D) MINIMATA (HASDEO) BANGO PROJECT, BILASPUR (C.G.)</p>
<p>CHECKED BY</p> <p align="center"><i>[Signature]</i></p> <p align="center">SUB DIVISIONAL OFFICER MINIMATA BANGO CANAL SUB DN DABHARA (C.G.)</p>	<p>CHECKED BY</p> <p align="center"><i>[Signature]</i></p> <p align="center">EXECUTIVE ENGINEER (D) KELO PROJECT DAM CIRCLE KHARSIA (C.G.)</p>	<p>CHECKED BY</p> <p align="center"><i>[Signature]</i></p> <p align="center">SUPERINTENDING ENGINEER (D) MINIMATA (HASDEO) BANGO PROJECT, BILASPUR (C.G.)</p>	<p>CHECKED BY</p> <p align="center"><i>[Signature]</i></p> <p align="center">CHIEF ENGINEER MINIMATA (HASDEO) BANGO PROJECT, BILASPUR (C.G.)</p>
<p>SUBMITTED BY</p> <p align="center"><i>[Signature]</i></p> <p align="center">EXECUTIVE ENGINEER MINIMATA BANGO CANAL DN NO. 5 KHARSIA (C.G.)</p>	<p>RECOMMENDED BY</p> <p align="center"><i>[Signature]</i></p> <p align="center">SUPERINTENDING ENGINEER KELO PROJECT DAM CIRCLE KHARSIA (C.G.)</p>	<p>APPROVED BY</p> <p align="center"><i>[Signature]</i></p> <p align="center">CHIEF ENGINEER MINIMATA (HASDEO) BANGO PROJECT, BILASPUR (C.G.)</p>	<p>APPROVED BY</p> <p align="center"><i>[Signature]</i></p> <p align="center">CHIEF ENGINEER MINIMATA (HASDEO) BANGO PROJECT, BILASPUR (C.G.)</p>
<p>SCALE :-</p> <p>NOTE :- ALL DIMENSION ARE IN METER</p>		<p>DRAWING NO :-</p>	

SCALE :-

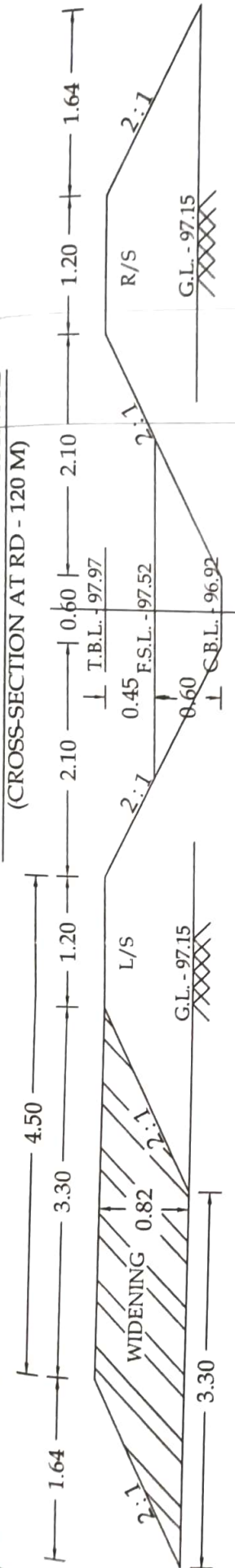
NOTE :- ALL DIAMINSON ARE IN METER

DRAWING NO :-

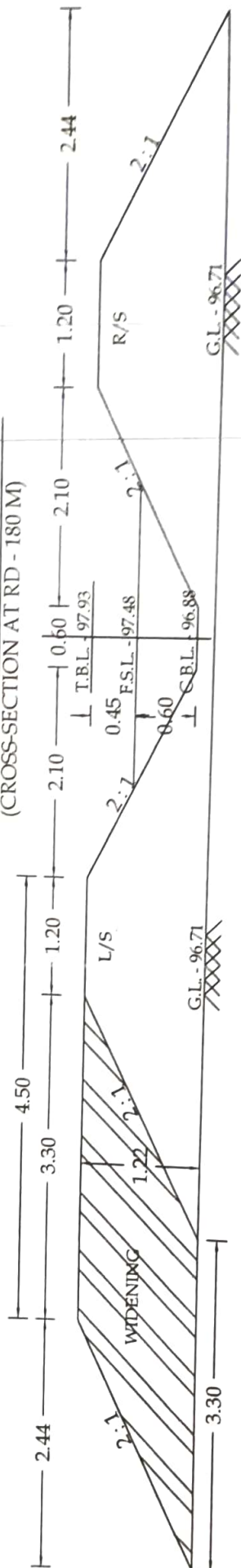
7

1

# CROSS-SECTION OF MAIN CANAL



# CROSS SECTION OF MAIN CANAL



GOVERNMENT OF CHHATTISGARH, WATER RESOURCES DEPARTMENT

OFFICE OF THE EXECUTIVE ENGINEER, MINIMATA BANGO CANAL DN NO. 5, KHARSIA (C.G.)

RENOVATION OF SARASKELA TANK SCHEME

DRAWING OF CROSS-SECTION OF MAIN CANAL FOR WIDENING EARTHWORK SECTION

Sub Engineer/  
Assistant Engineer

Sub Divisional Officer  
Minimata Bango Canal Sub DN  
Dabhara (C.G.)

Executive Engineer  
Minimata Bango Canal DN No. 5  
Kharsia (C.G.)

SCALE :-

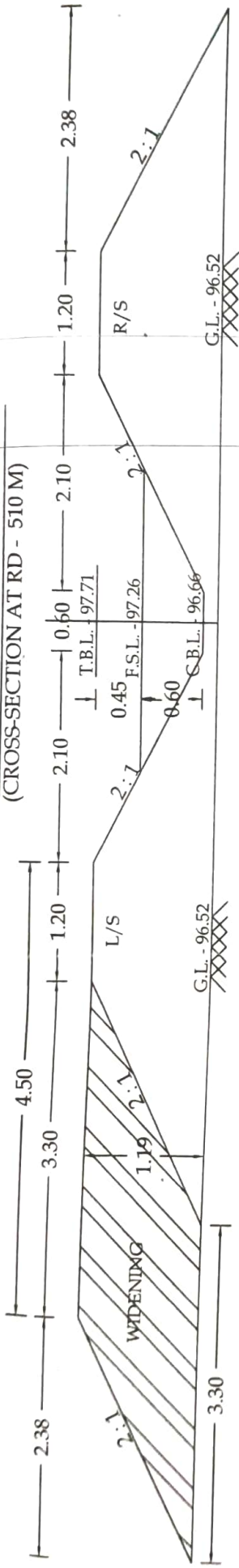
NOTE :- ALL DIMENSIONS ARE IN METER

DRAWING NO. :-

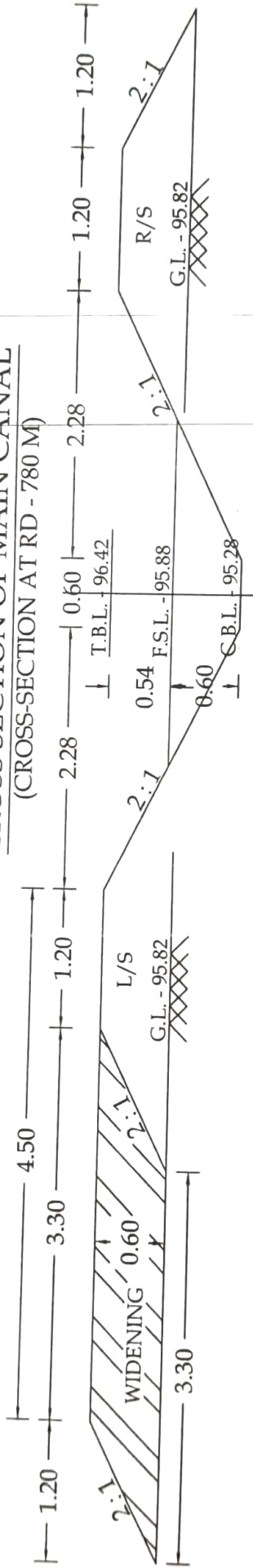
4

1

# CROSS SECTION OF MAIN CANAL (CROSS-SECTION AT RD - 510 M)



# CROSS SECTION OF MAIN CANAL (CROSS-SECTION AT RD - 780 M)



GOVERNMENT OF CHHATTISGARH, WATER RESOURCES DEPARTMENT  
OFFICE OF THE EXECUTIVE ENGINEER, MINIMATA BANGO CANAL DN NO. 5, KHARSIA (C.G.)

## RENOVATION OF SARASKELA TANK SCHEME

DRAWING OF CROSS-SECTION OF MAIN CANAL FOR WIDENING EARTHWORK SECTION

SUB ENGINEER/  
ASSISTANT ENGINEER

SUB DIVISIONAL OFFICER  
MINIMATA BANGO CANAL SUB DN  
DABHARA (C.G.)

EXECUTIVE ENGINEER  
MINIMATA BANGO CANAL DN NO. 5  
KHARSIA (C.G.)

SCALE :-

NOTE :- ALL DIMENSIONS ARE IN METER

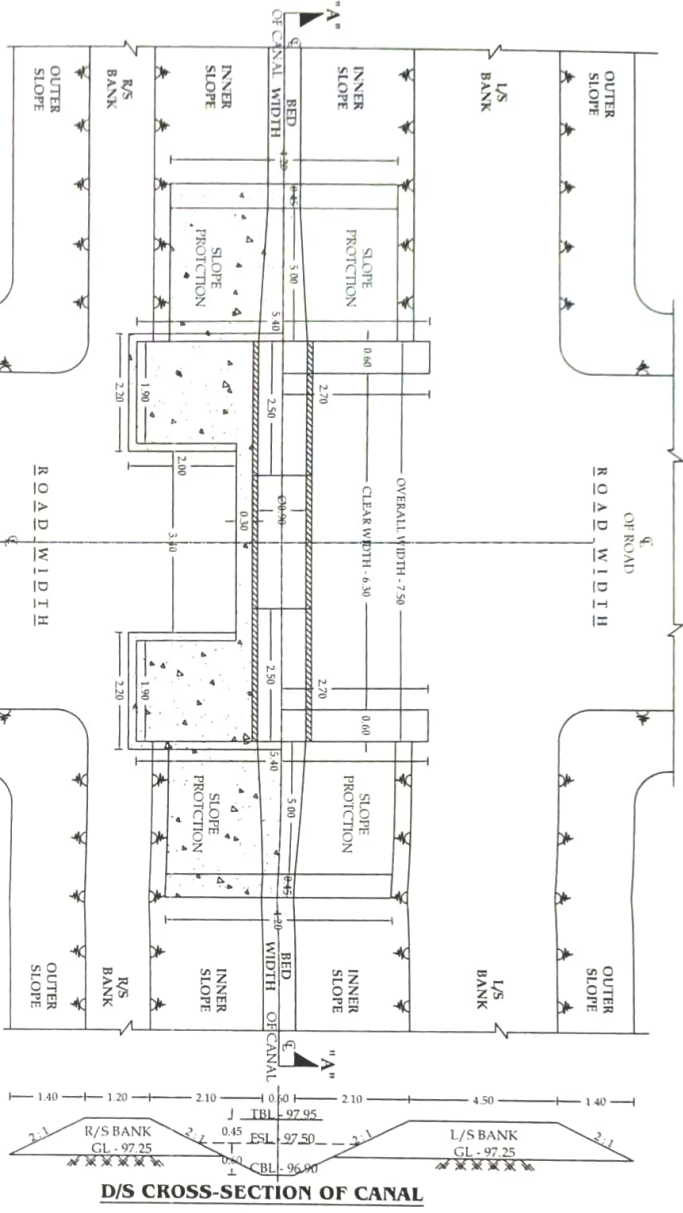
DRAWING NO :-

4

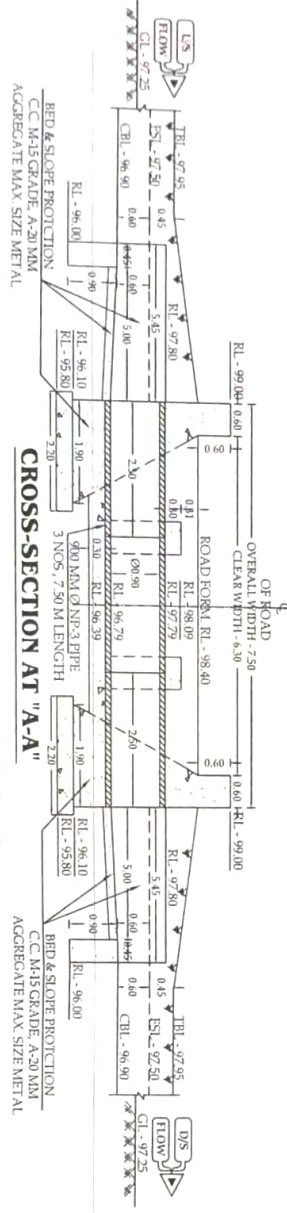
1



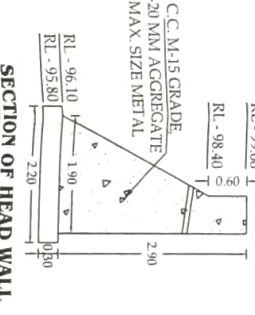
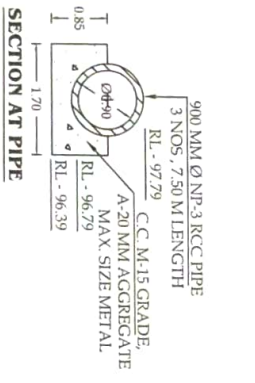
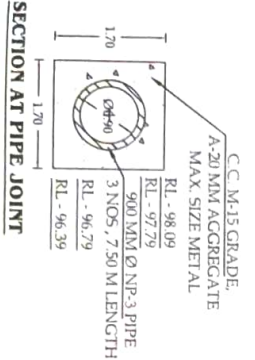
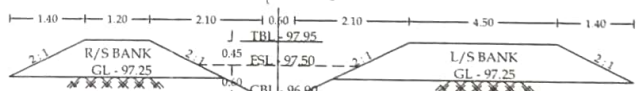
# DRAWING OF RE-CONSTRUCTION OF HUME PIPE VRB AT RD 150 M OF MAIN CANAL



## HALF TOP & HALF BOTTOM PLAN



## D/S CROSS-SECTION OF CANAL



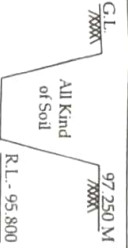
## CANAL DATA

S.NO.	PARTICULARS	DATA
1.	FULL SUPPLY DISCHARGE	0.150 Cumecs
2.	CANAL BED WIDTH	0.60 M
3.	FULL SUPPLY DEPTH	0.60 M
4.	FREE BOARD	0.45 M
5.	SIDE SLOPE (INNER)	2 : 1
6.	SIDE SLOPE (OUTER)	2 : 1
7.	TOP WIDTH OF BANK (L/R)	4.50 / 1.20 M
8.	VELOCITY (V)	0.547 M/Sec
9.	BED GRADE	1 : 1500
10.	G.L.	97.250 M
11.	C.B.L.	96.900 M
12.	F.S.L.	97.500 M
13.	T.B.L.	97.950 M
14.	VALUE OF 'n'	0.018

## BRIDGE DATA

1.	TYPE OF BRIDGE	HUME PIPE
2.	TYPE OF CROSSING	RIGHT ANGLE
3.	PROVIDED PIPE DIA	900 MM Ø RCC
4.	FORMATION/ROAD LEVEL	98.400 M
5.	ROAD WIDTH	7.50 M

## DETAILS OF T.P. SECTION



CERTIFIED THAT THE STRATA SHOWN IN THE TRIAL PIT SECTION IS CORRECT WITH BEST OF MY KNOWLEDGE

AE/SUB ENGINEER

SUB DIVISIONAL OFFICER  
MINIMATA BANGCO CANAL SUB DN  
DABHARA (C.G.)

GOVERNMENT OF CHHATTISGARH, WATER RESOURCES DEPARTMENT  
OFFICE OF THE EXECUTIVE ENGINEER, MINIMATA BANGCO CANAL DN NO. 5, KHARSA (C.G.)

DRAWING OF RE-CONSTRUCTION OF HUME PIPE VRB AT RD 150 M OF MAIN CANAL

CHECKED BY: ASSISTANT ENGINEER/ ASSISTANT ENGINEER

CHECKED BY: ASSISTANT ENGINEER/ ASSISTANT ENGINEER

CHECKED BY: ASSISTANT ENGINEER/ ASSISTANT ENGINEER

CHECKED BY: ASSISTANT ENGINEER/ ASSISTANT ENGINEER

CHECKED BY: ASSISTANT ENGINEER/ ASSISTANT ENGINEER

CHECKED BY: ASSISTANT ENGINEER/ ASSISTANT ENGINEER

CHECKED BY: ASSISTANT ENGINEER/ ASSISTANT ENGINEER

CHECKED BY: ASSISTANT ENGINEER/ ASSISTANT ENGINEER

CHECKED BY: ASSISTANT ENGINEER/ ASSISTANT ENGINEER

CHECKED BY: ASSISTANT ENGINEER/ ASSISTANT ENGINEER

CHECKED BY: ASSISTANT ENGINEER/ ASSISTANT ENGINEER

CHECKED BY: ASSISTANT ENGINEER/ ASSISTANT ENGINEER

CHECKED BY: ASSISTANT ENGINEER/ ASSISTANT ENGINEER

CHECKED BY: ASSISTANT ENGINEER/ ASSISTANT ENGINEER

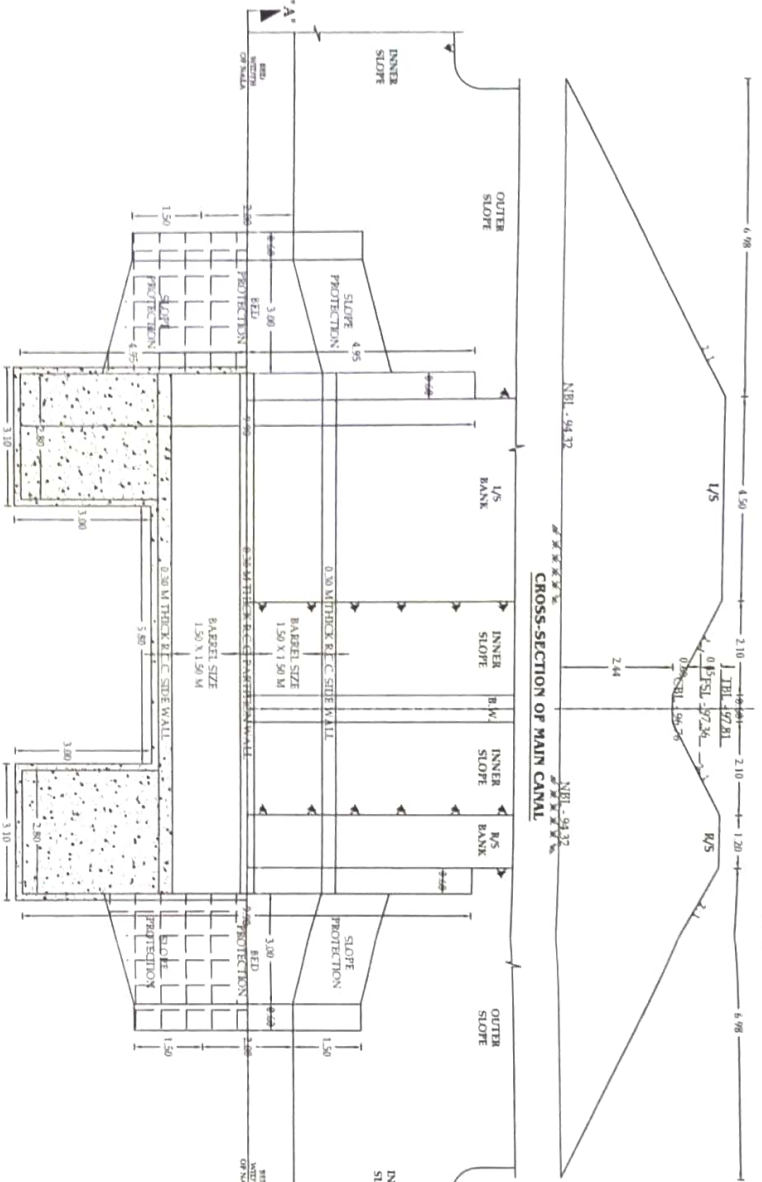
CHECKED BY: ASSISTANT ENGINEER/ ASSISTANT ENGINEER

CHECKED BY: ASSISTANT ENGINEER/ ASSISTANT ENGINEER

B

A

# DRAWING OF CONSTRUCTION OF R.C.C. BARREL CD AT RD 360 M OF MAIN CANAL



CROSS-SECTION OF MAIN CANAL

HALF TOP & HALF BOTTOM PLAN

CROSS-SECTION OF MAIN CANAL

SECTION OF RCC BARREL

## DETAILS OF T.P. SECTION

S.NO.	PARTICULARS	DATA
1.	FULL SUPPLY DISCHARGE	0.150 Cumecs
2.	CANAL BED WIDTH	0.60 M
3.	FULL SUPPLY DEPTH	0.60 M
4.	FREE BOARD	0.45 M
5.	SIDE SLOPE (INNER)	2 : 1
6.	SIDE SLOPE (OUTER)	2 : 1
7.	TOP WIDTH OF BANK (L/R)	4.50 / 2.0 M
8.	VELOCITY (V)	0.547 M/Sec.
9.	BED GRADE	1 : 1500
10.	G.L.	94.320 M
11.	C.B.L.	96.760 M
12.	F.S.L.	97.360 M
13.	T.B.L.	97.810 M
14.	VALUE OF "n"	0.018

## DRAINAGE DATA

1.	NALLA BED LEVEL	94.320 M
2.	H.F.D.	1.00 M
3.	T.B.L.	95.920 M
4.	BED WIDTH OF NALLA	2.00 M
5.	F.S. DISCHARGE	8.920 CUMECs
6.	SIDE SLOPE	1 : 1

CERTIFIED THAT THE STRATA SHOWN IN THE TRIAL PIT SECTION IS CORRECT WITH BEST OF MY KNOWLEDGE

AE/SUB ENGINEER

SUB DIVISIONAL OFFICER  
MINIMATI BANGCO CANAL SUB DN  
DABHARA (C.G.)

GOVERNMENT OF CHHATTISGARH, WATER RESOURCES DEPARTMENT  
OFFICE OF THE EXECUTIVE ENGINEER, MINIMATI BANGCO CANAL SUB DN NO. 5, KHARSA (C.G.)

## RENOVATION OF SARASWELA TANK SCHEME

### DRAWING OF CONSTRUCTION OF R.C.C. BARREL CD AT RD 360 M OF MAIN CANAL

CHECKED BY

SUB ENGINEER/  
ASSISTANT ENGINEER

MINIMATI BANGCO CANAL SUB DN  
DABHARA (C.G.)

CHECKED BY

ASSISTANT ENGINEER (D)  
KETO PROJECT DAM CIRCLE  
KHARSA (C.G.)

CHECKED BY

EXECUTIVE ENGINEER (D)  
KETO PROJECT DAM CIRCLE  
KHARSA (C.G.)

CHECKED BY

EXECUTIVE ENGINEER  
MINIMATI BANGCO CANAL SUB DN NO. 5  
KHARSA (C.G.)

CHECKED BY

ASSISTANT ENGINEER (D)  
KETO PROJECT DAM CIRCLE  
KHARSA (C.G.)

CHECKED BY

EXECUTIVE ENGINEER (D)  
KETO PROJECT DAM CIRCLE  
KHARSA (C.G.)

CHECKED BY

EXECUTIVE ENGINEER (D)  
KETO PROJECT DAM CIRCLE  
KHARSA (C.G.)

CHECKED BY

EXECUTIVE ENGINEER  
MINIMATI BANGCO CANAL SUB DN NO. 5  
KHARSA (C.G.)

CHECKED BY

ASSISTANT ENGINEER (D)  
MINIMATI BANGCO PROJECT,  
BILASPUR (C.G.)

CHECKED BY

EXECUTIVE ENGINEER (D)  
MINIMATI BANGCO PROJECT,  
BILASPUR (C.G.)

CHECKED BY

SUPERINTENDING ENGINEER (D)  
MINIMATI BANGCO PROJECT,  
BILASPUR (C.G.)

CHECKED BY

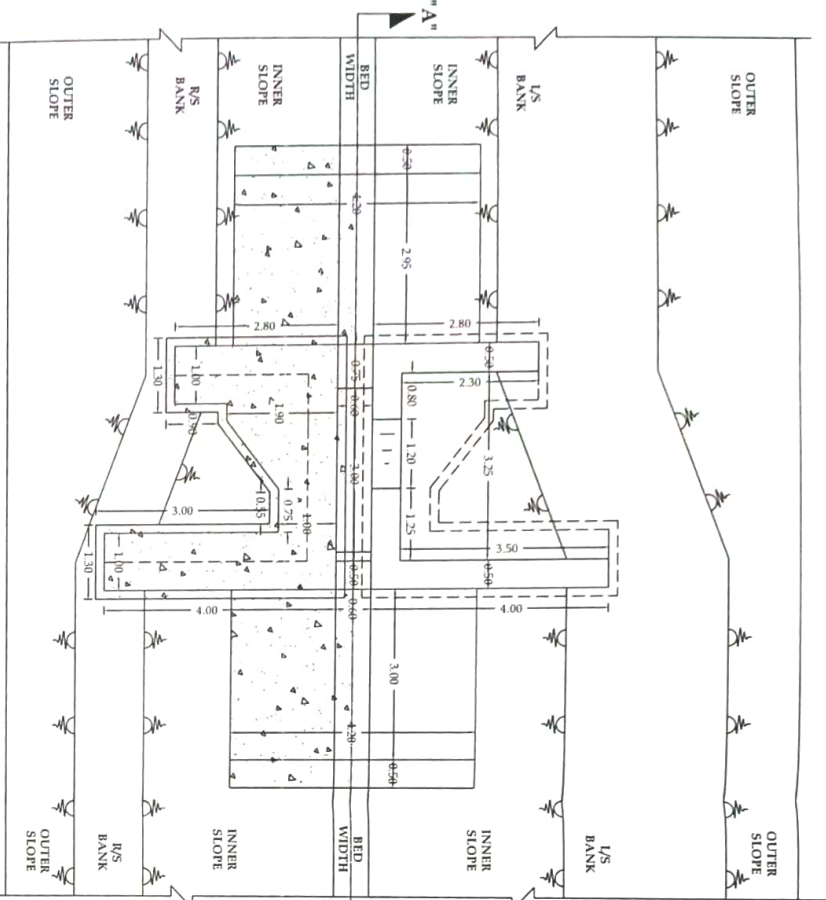
CHIEF ENGINEER  
MINIMATI BANGCO PROJECT,  
BILASPUR (C.G.)

NOTE: ALL DIMENSIONS ARE IN METERS

DRAWING NO.



## CANAL DATA



### DETAILS OF T.P. SECTION

AE/SUB ENGINEER

~~EXECUTIVE ENGINEER~~

2

OFFICE OF THE EXECUTIVE ENGINEER, MINIMATA BANGO CANAL DN NO.5, KHARSIA (C.G.)

## RENOVATION OF SARASKELA TANK SCHEME

**DRAWING OF CONSTRUCTION OF 1.20 M FALL AT RD 750 M OF MAIN CANAL**

DATE	DESCRIPTION	AMOUNT	CHECKED BY	CHECKED BY
1				

2

ASSISTANT ENGINEER/ MINIMATA (AERODROM)

COB (INDIA) LTD.	MINIMAX (INDIA) LTD.
ASSISTANT ENGINEER	BILASPUR (C)
ASSISTANT ENGINEER (D)	

DESIGNED BY	CHECKED BY
KELO PROJECT DAM CIRCLE	

KHALSIA (C.G.)
CHECKED BY

SUB DIVISIONAL OFFICER			EXECUTIVE ENG
------------------------	--	--	---------------

NIMATA BANCO CANAL SUB DN DARBHARA (CC)	MINIMATA (HASDEO) B BILASPUR (CC)
--	--------------------------------------

DATE	_____
CHECKED BY	_____
ED BY	_____
DATE	_____
CHECKED BY	_____
ED BY	_____

EXECUTIVE ENGINEER (D)  
KELCO PROJECT DEVELOPMENT

ASSISTANT ENGINEER (D)	NEED PROJECT DRAIN CIRCLE KHARSLA (C.G.)	SUPERINTENDING ENGINEER
------------------------	---	-------------------------

MINIMATA BANGCO CANAL DN NO. 5 KABUPATEN C	RECOMMENDED BY	MINIMATA (HASDEO) B BII ASCEID
---	----------------	-----------------------------------

APPROVED BY	DATE
	11/11/2019

EXECUTIVE ENGINEER

SUPERINTENDING ENGINEER

CHIEF ENGINEER

MINIMATA (HASDEO) B  
KELO PROJECT DAM CIRCLE  
MINIMATA BANDO CANAL DN NO. 5

NIHASIA (C.G.)	KHASIA (C.G.)	BILASPUR (C.G.)
----------------	---------------	-----------------

SCALE: \_\_\_\_\_

DRAWING NO.: \_\_\_\_\_

NOTE - ALL DIAMENSIONS ARE IN METERS

[illegible]

---

[illegible][illegible]

Diagram of a concrete pile cross-section. The pile is a trapezoidal shape with a top width of 2.40 and a bottom width of 1.80. The height is 0.70. The material is specified as CC M.15 GRADE A-20 and MIN AGGREGATE MAX SIZE METAL. The pile is shown with a cross-section of concrete and aggregate. The pile is labeled with dimensions and material specifications.

C.C. M-15 GRADE A-20  
MM AGGREGATE  
MAX. SIZE METAL  
NBL-93.85  
0.30  
0.60  
0.75  
RL-92.80 0.30

**SECTION OF PIPE**

CANAL DATA		
S.NO.	PARTICULARS	DATA
1.	FULL SUPPLY DISCHARGE	0.150 Cumecs
2.	CANAL BED WIDTH	0.60 M
3.	FULL SUPPLY DEPTH	0.60 M
4.	FREE BOARD	0.45 M
5.	SIDE SLOPE (INNER)	2 : 1
6.	SIDE SLOPE (OUTER)	2 : 1
7.	TOP WIDTH OF BANK (L/R)	4.50 / 1.20 M
8.	VELOCITY (V)	0.547 M/Sec.
9.	BED GRADE	1 : 1500
10.	G.L.	93.850 M
11.	C.B.L.	95.220 M
12.	F.S.L.	95.820 M
13.	T.B.L.	96.270 M
14.	VALUE OF "n"	0.018

DRAINAGE DATA		
1.	CATCHMENT AREA	0.05 SQKM
2.	F. S. DISCHARGE	1.05 CUMEC/S
3.	NALA BED LEVEL	93.850 M
4.	TYPE OF CATCHMENT	NON-HILLY
5.	VELOCITY (V)	1.70 M/SEC

CERTIFIED THAT THE STRATA SHOWN IN THE TRIAL PIT SECTION  
IS CORRECT WITH BEST OF MY KNOWLEDGE

AE/SUB ENGINEER

DABHARA (C.G.)

KLARSLA (E.G.)

GOVERNMENT OF CHHATTISGARH, WATER RESOURCES DEPARTMENT  
OFFICE OF THE EXECUTIVE ENGINEER, MINIMATA BANGO CANAL DN NO.5, KHARSLA (C.G.)

## RENOVATION OF SARASKELA TANK SCHEME

CHECKED BY

SUB ENGINEER/  
ASSISTANT ENGINEER

APPROPRIATE ENGINEER (D)  
KELCO PROJECT DAM CIRCLE

CHECKED BY

MINIMATA BANCO CANAL SUB DN  
DABHARA (C.G.)

100

CHECKED BY \_\_\_\_\_

ASSISTANT ENGINEER (D)  
MINIMATA BANCO CANAL DN NO.  
KHARSA (C.G.)



APPROVED BY

EXECUTIVE ENGINEER  
MINIMATA BANDOCENTRAL DN NO.  
KHAJIA (C.G.)

KHARSIA (C.G.)

BILASPUR (C.G.)

NOTE - ALL DIAMINSON ARE IN METER

DRAWING NO :-

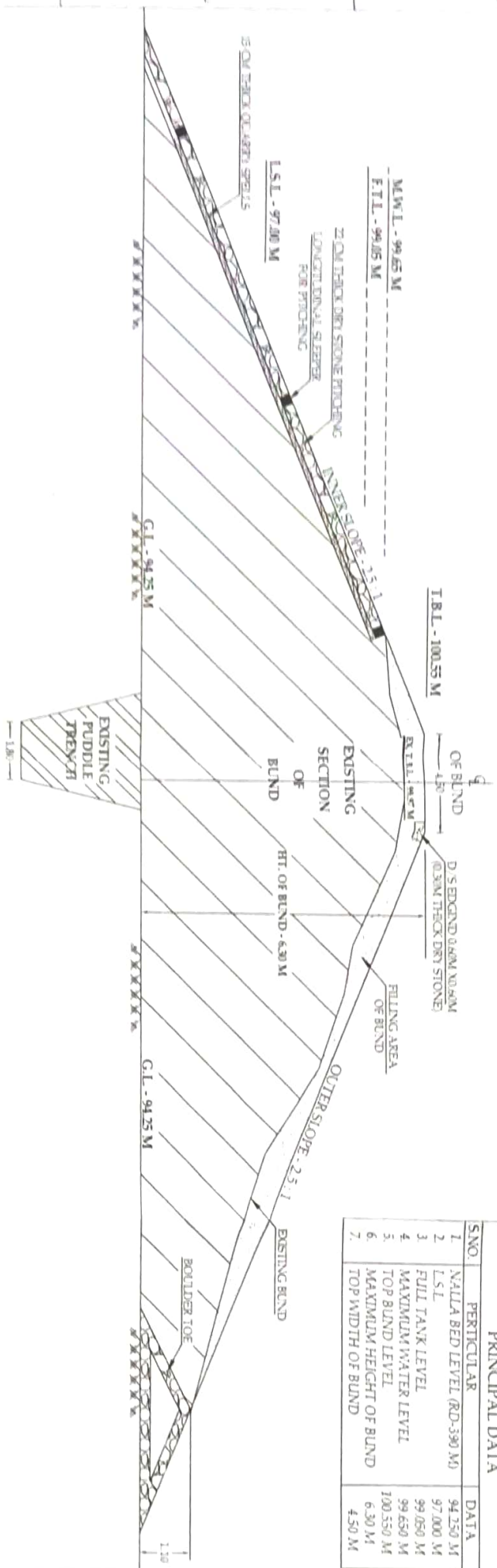
B

A



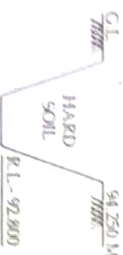
# RENOVATION OF SARASKELA TANK SCHEME

## MAXIMUM CROSS SECTION OF DAM/BUND AT RD 390 M



PRINCIPAL DATA	
S.NO	PERICULAR
1	NALLA BED LEVEL (RD-390 M)
2	L.S.L
3	FULL TANK LEVEL
4	MAXIMUM WATER LEVEL
5	TOP BUND LEVEL
6	MAXIMUM HEIGHT OF BUND
7	TOP WIDTH OF BUND
	DATA
	94.250 M
	97.000 M
	99.050 M
	99.650 M
	100.550 M
	6.30 M
	4.50 M

### DETAILS OF T.P. SECTION



CERTIFIED THAT THE STRATA SHOWN IN THE TRIAL PTI SECTION IS CORRECT WITH BEST OF MY KNOWLEDGE

SUB DIVISIONAL OFFICER  
MINIMATA BANGCO CANAL SUB DIV  
DHAKSHIA (C.G.)

EXECUTIVE ENGINEER  
MINIMATA BANGCO CANAL DIV NO. 5  
DHAKSHIA (C.G.)

GOVERNMENT OF CHHATTISGARH, WATER RESOURCES DEPARTMENT

OFFICE OF THE EXECUTIVE ENGINEER, MINIMATA BANGCO CANAL DIV NO. 5, DHAKSHIA (C.G.)

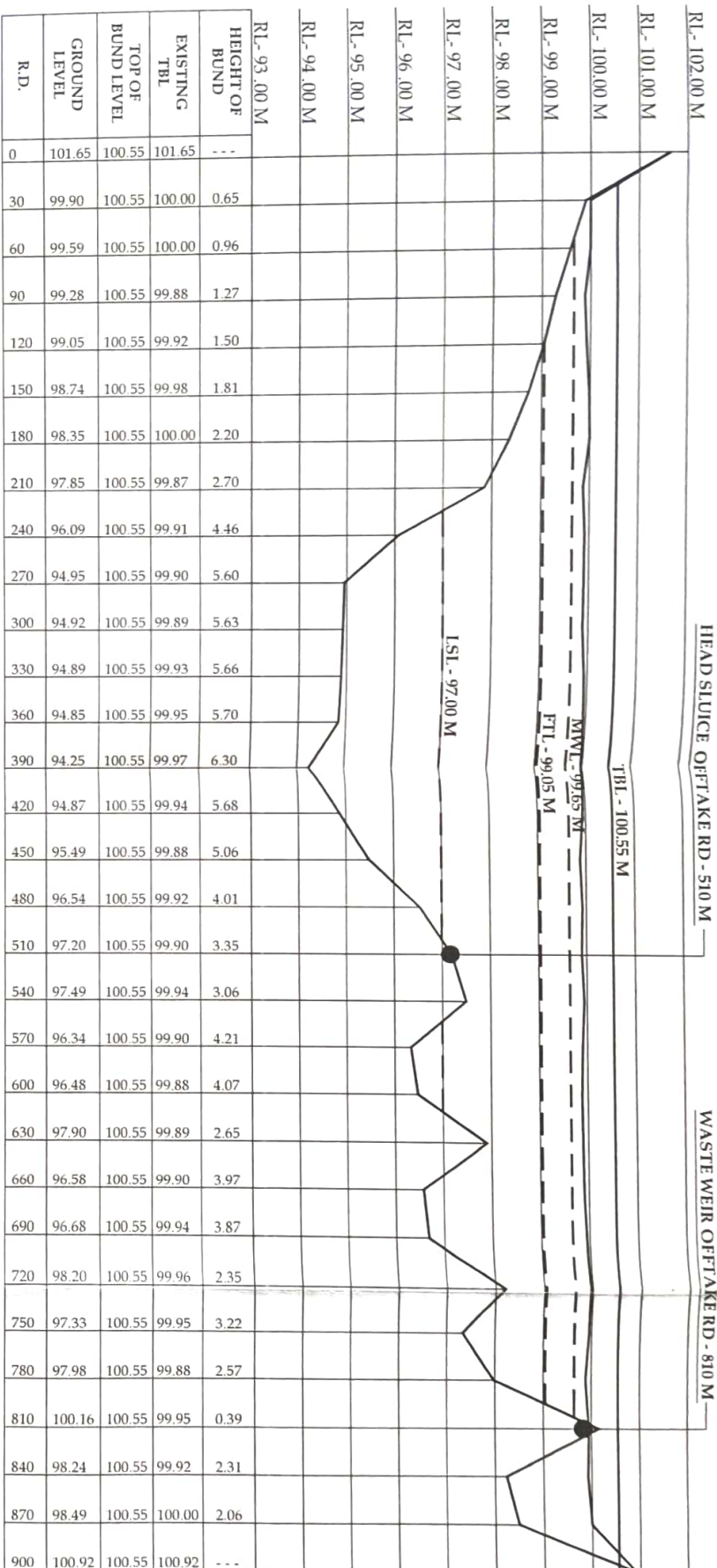
RENOVATION OF SARASKELA TANK SCHEME

DRAWING OF MAXIMUM CROSS-SECTION AT RD 390 M OF BUND

CHECKED BY SUB ENGINEER/ ASSISTANT ENGINEER MINIMATA BANGCO CANAL DIV NO. 5 DHAKSHIA (C.G.)	CHECKED BY SUB ENGINEER/ ASSISTANT ENGINEER MINIMATA BANGCO CANAL DIV NO. 5 DHAKSHIA (C.G.)	CHECKED BY SUB ENGINEER/ ASSISTANT ENGINEER MINIMATA BANGCO CANAL DIV NO. 5 DHAKSHIA (C.G.)	CHECKED BY SUB ENGINEER/ ASSISTANT ENGINEER MINIMATA BANGCO CANAL DIV NO. 5 DHAKSHIA (C.G.)
CHECKED BY SUB ENGINEER/ ASSISTANT ENGINEER MINIMATA BANGCO CANAL DIV NO. 5 DHAKSHIA (C.G.)	CHECKED BY SUB ENGINEER/ ASSISTANT ENGINEER MINIMATA BANGCO CANAL DIV NO. 5 DHAKSHIA (C.G.)	CHECKED BY SUB ENGINEER/ ASSISTANT ENGINEER MINIMATA BANGCO CANAL DIV NO. 5 DHAKSHIA (C.G.)	CHECKED BY SUB ENGINEER/ ASSISTANT ENGINEER MINIMATA BANGCO CANAL DIV NO. 5 DHAKSHIA (C.G.)
CHECKED BY SUB ENGINEER/ ASSISTANT ENGINEER MINIMATA BANGCO CANAL DIV NO. 5 DHAKSHIA (C.G.)	CHECKED BY SUB ENGINEER/ ASSISTANT ENGINEER MINIMATA BANGCO CANAL DIV NO. 5 DHAKSHIA (C.G.)	CHECKED BY SUB ENGINEER/ ASSISTANT ENGINEER MINIMATA BANGCO CANAL DIV NO. 5 DHAKSHIA (C.G.)	CHECKED BY SUB ENGINEER/ ASSISTANT ENGINEER MINIMATA BANGCO CANAL DIV NO. 5 DHAKSHIA (C.G.)
CHECKED BY SUB ENGINEER/ ASSISTANT ENGINEER MINIMATA BANGCO CANAL DIV NO. 5 DHAKSHIA (C.G.)	CHECKED BY SUB ENGINEER/ ASSISTANT ENGINEER MINIMATA BANGCO CANAL DIV NO. 5 DHAKSHIA (C.G.)	CHECKED BY SUB ENGINEER/ ASSISTANT ENGINEER MINIMATA BANGCO CANAL DIV NO. 5 DHAKSHIA (C.G.)	CHECKED BY SUB ENGINEER/ ASSISTANT ENGINEER MINIMATA BANGCO CANAL DIV NO. 5 DHAKSHIA (C.G.)



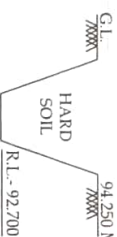
# L-SECTION OF BUND FROM RD 0 M TO 900 M OF SARASKELA TANK SCHEME



## DATA

1.	L.S.L.	97.00 M
2.	F.T.L.	99.05 M
3.	M.W.L.	99.65 M
4.	T.B.L.	100.55 M
5.	G.L. (AT RD 390 M)	94.25 M
6.	TOP WIDTH OF BUND	4.50 M
7.	MAXM HT OF BUND	6.30 M

## DETAILS OF T.P. SECTION



CERTIFIED THAT THE STRATA SHOWN IN THE TRIAL TIT SECTION IS CORRECT WITH BEST OF MY KNOWLEDGE

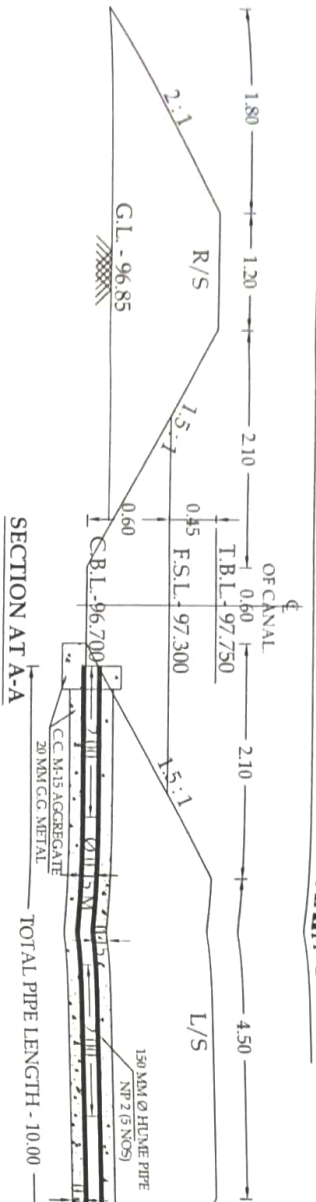
SUB ENGINEER/  
ASSISTANT ENGINEER  
MINIMATA BANGCO CANAL SUB DN  
DABHARA (C.G.)

EXECUTIVE ENGINEER  
MINIMATA BANGCO CANAL DN NO. 5  
KHARSA (C.G.)

GOVERNMENT OF CHHATTISGARH, WATER RESOURCES DEPARTMENT  
OFFICE OF THE EXECUTIVE ENGINEER, MINIMATA BANGCO CANAL DN NO. 5, KHARSA (C.G.)  
RENOVATION OF SARASKELA TANK SCHEME  
L-SECTION OF BUND FROM RD 0 M TO 900 M OF SARASKELA TANK SCHEME

CHECKED BY SUB ENGINEER/ ASSISTANT ENGINEER <i>P. S. S.</i>	CHECKED BY SUB DIVISIONAL OFFICER MINIMATA BANGCO CANAL SUB DN DABHARA (C.G.)	CHECKED BY ASSISTANT ENGINEER (D) KHELO PROJECT DAM CIRCLE KHARSA (C.G.)	CHECKED BY ASSISTANT ENGINEER (D) MINIMATA (HARDEO) BANGCO PROJECT, BILASPUR (C.G.)
SUBMITTED BY EXECUTIVE ENGINEER MINIMATA BANGCO CANAL DN NO. 5 KHARSA (C.G.)	ASSISTANT ENGINEER (D) MINIMATA BANGCO CANAL DN NO. 5 KHARSA (C.G.)	EXECUTIVE ENGINEER (D) KHELO PROJECT DAM CIRCLE KHARSA (C.G.)	SUPERINTENDING ENGINEER (D) MINIMATA (HARDEO) BANGCO PROJECT, BILASPUR (C.G.)
SCALE - NOTE - ALL DIMENSIONS ARE IN METERS	DRAWING NO. -		

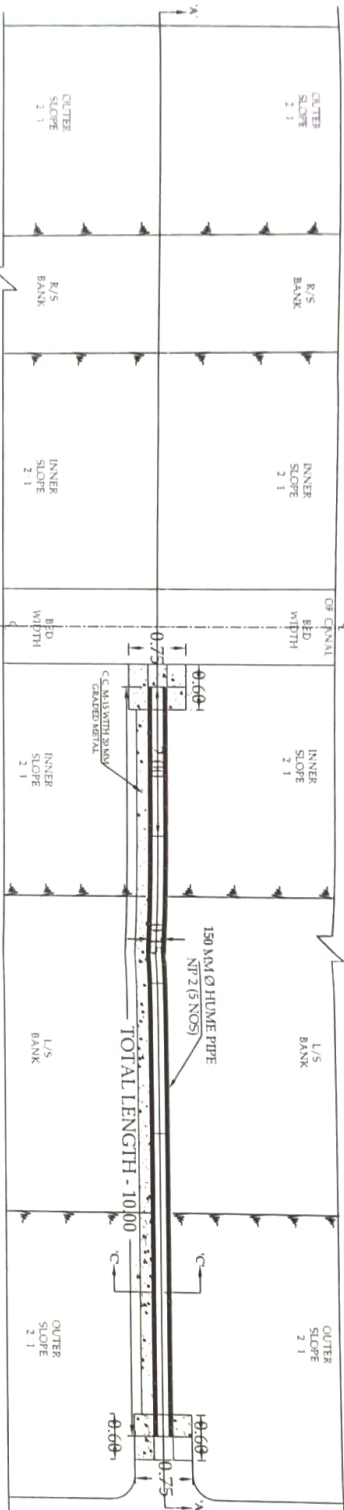
# DRAWING OF FIXING OF OUTLET AT RD 450 M OF MAIN CANAL



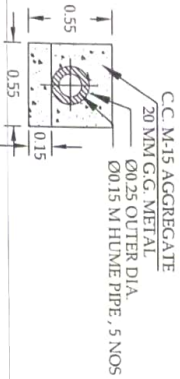
SECTION AT A-A

TOTAL PIPE LENGTH - 10.00

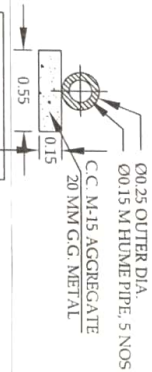
CANAL DATA	
S.NO.	PARTICULARS
1	FULL SUPPLY DISCHARGE
2	CANAL BED WIDTH
3	FULL SUPPLY DEPTH
4	FREE BOARD
5	SIDE SLOPE (INNER)
6	SIDE SLOPE (OUTER)
7	TOP WIDTH OF BANK (L/R)
8	VELOCITY (V)
9	BED GRADE
10	G.L.
11	C.B.L.
12	F.S.L.
13	T.B.L.
14	VALUE OF $n$
	0.150 Cumecs
	0.60 M
	0.60 M
	0.45 M
	2:1
	2:1
	1.20/1.20 M
	0.457 M/sec
	1:1500
	96.850 M
	96.700 M
	97.300 M
	97.750 M
	0.018



HALF TOP & HALF BOTTOM PLAN

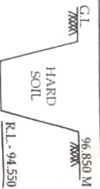


SECTION AT JOINT



SECTION AT C-C

DETAILS OF T.P. SECTION



CERTIFIED THAT THE STRATA SHOWN IN THE TRIAL PIT SECTION IS CORRECT WITH BEST OF MY KNOWLEDGE

AE/SUB ENGINEER

SUB DIVISIONAL OFFICER

EXECUTIVE ENGINEER

MINIMATA BANGCO CANAL SUB DN

DAHARA (C.G.)

SCALE -

NOTE - ALL DIMENSION ARE IN METER

DRAWING NO. -

GOVERNMENT OF CHHATTISGARH, WATER RESOURCES DEPARTMENT  
OFFICE OF THE EXECUTIVE ENGINEER, MINIMATA BANGCO CANAL DN NO. 5, KHARSA (C.G.)  
RENOVATION OF SARASKELA TANK SCHEME  
DRAWING OF FIXING OF OUTLET AT RD 450 M OF MAIN CANAL

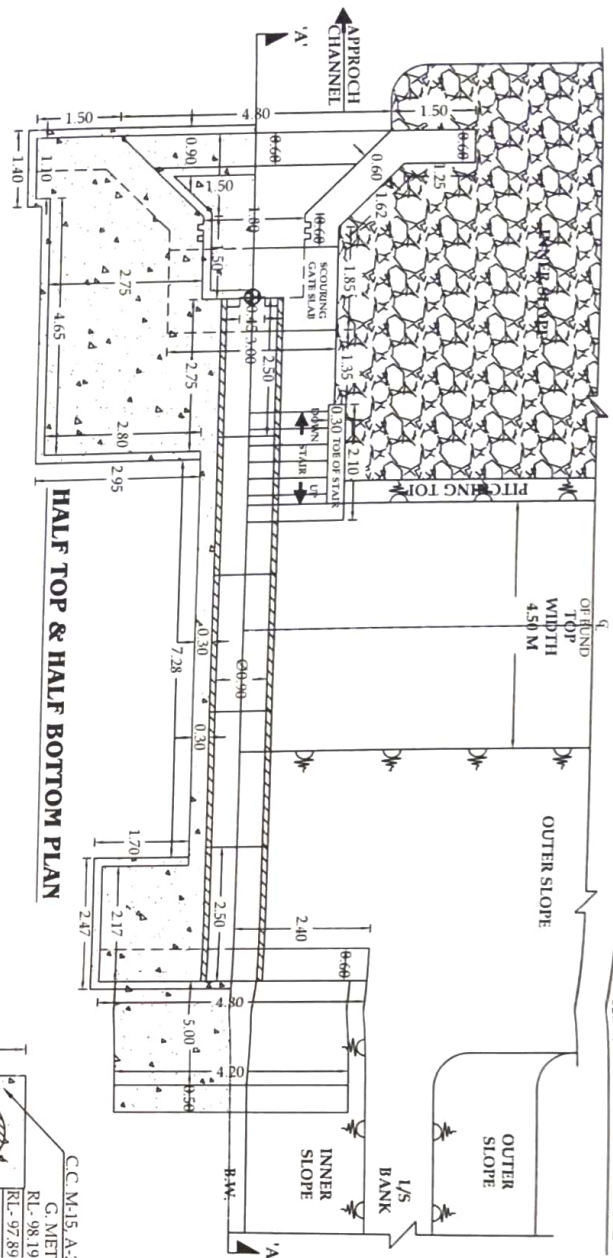
CHECKED BY: SUB ENGINEER/ ASSISTANT ENGINEER  
MINIMATA BANGCO CANAL SUB DN  
DAHARA (C.G.)  
CHECKED BY: ASSISTANT ENGINEER (D)  
KELO PROJECT DAM CIRCLE  
KHARSA (C.G.)  
CHECKED BY: ASSISTANT ENGINEER (D)  
MINIMATA BANGCO PROJECT,  
BILASPUR (C.G.)

CHECKED BY: ASSISTANT ENGINEER (D)  
MINIMATA BANGCO PROJECT,  
BILASPUR (C.G.)  
CHECKED BY: EXECUTIVE ENGINEER (D)  
KELO PROJECT DAM CIRCLE  
KHARSA (C.G.)  
CHECKED BY: SUPERINTENDING ENGINEER (D)  
MINIMATA BANGCO PROJECT,  
BILASPUR (C.G.)

CHECKED BY: EXECUTIVE ENGINEER (D)  
KELO PROJECT DAM CIRCLE  
KHARSA (C.G.)  
CHECKED BY: SUPERINTENDING ENGINEER (D)  
MINIMATA BANGCO PROJECT,  
BILASPUR (C.G.)

CHECKED BY: CHIEF ENGINEER  
MINIMATA BANGCO PROJECT,  
BILASPUR (C.G.)

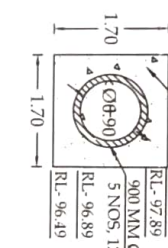




DAM/BUND DATA		
S/N	PARTICULAR	DATA
1	FULL SUPPLY DISCHARGE	0.15 CUM/SEC
2	L.S.L.	97.000 M
3	MDDL	97.900 M
4	F.T.L.	99.050 M
5	M.W.L.	99.650 M
6	T.B.L.	100.550 M
7	DRIVING HEAD	0.90 M
8	TOP WIDTH OF BUND	4.50 M
9	GROUND LEVEL	97.200 M
10	HEIGHT OF BUND	3.35 M

CANAL DATA		
S.NO.	PARTICULARS	DATA
1	FULL SUPPLY DISCHARGE	0.15 Cumecs
2	CANAL BED WIDTH	0.60 M
3	FULL SUPPLY DEPTH	0.60 M
4	FREE BOARD	0.45 M
5	SIDE SLOPE (INNER)	2 : 1
6	SIDE SLOPE (OUTER)	2 : 1
7	TOP WIDTH OF BANK (L/R)	1.20 / 1.20 M
8	VELOCITY (V)	0.457 M/Sec.
9	BED GRADE	1 : 1500

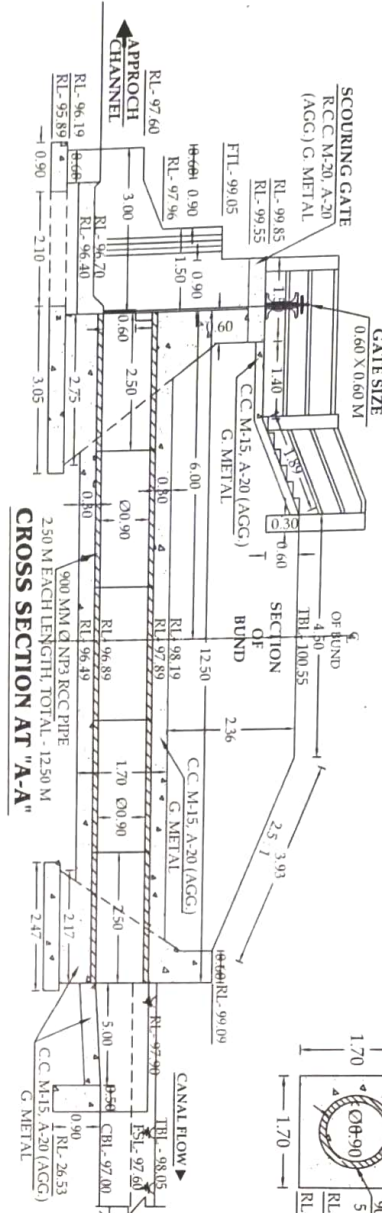
DETAILS OF T.P. SECTION



CERTIFIED THAT THE STAGNA SHOWN IN THE TRIAL PT SECTION IS CORRECT WITH BEST OF MY KNOWLEDGE

AE/SUB ENGINEER

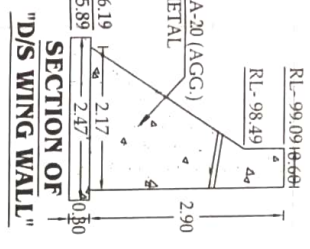
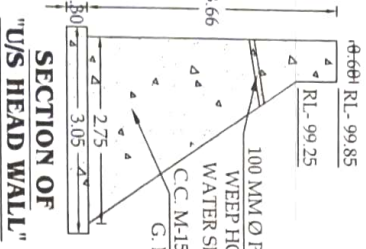
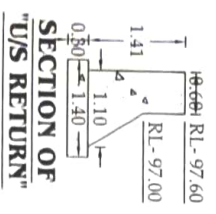
SUB DIVISIONAL OFFICER  
MINIMATA BANGCO CANAL SUB DN  
DABHARA (C.G.)



CROSS SECTION AT "A-A"

GOVERNMENT OF CHHATTISGARH, WATER RESOURCES DEPARTMENT  
OFFICE OF THE EXECUTIVE ENGINEER, MINIMATA BANGCO CANAL DN NO. 5, KHARSA (C.G.)  
RENOVATION OF SARASWELA TANK SCHEME  
DRAWING OF RE-CONSTRUCTION OF HEAD SLUICE FOR MAIN ANVAL OFTANE RD 510 M OF BUND

CHECKED BY	SUB ENGINEER/ ASSISTANT ENGINEER	CHECKED BY	ASSISTANT ENGINEER (D) KHAHSA (C.G.)
CHECKED BY	SUB DIVISIONAL OFFICER MINIMATA BANGCO CANAL SUB DN DABHARA (C.G.)	CHECKED BY	EXECUTIVE ENGINEER (D) KHAHSA (C.G.)
CHECKED BY	ASSISTANT ENGINEER (D) MINIMATA BANGCO CANAL DN NO. 5 KHAHSA (C.G.)	CHECKED BY	EXECUTIVE ENGINEER (D) KHAHSA (C.G.)
CHECKED BY	EXECUTIVE ENGINEER (D) KHAHSA (C.G.)	CHECKED BY	EXECUTIVE ENGINEER (D) KHAHSA (C.G.)
CHECKED BY	EXECUTIVE ENGINEER (D) KHAHSA (C.G.)	CHECKED BY	EXECUTIVE ENGINEER (D) KHAHSA (C.G.)
CHECKED BY	EXECUTIVE ENGINEER (D) KHAHSA (C.G.)	CHECKED BY	EXECUTIVE ENGINEER (D) KHAHSA (C.G.)
CHECKED BY	EXECUTIVE ENGINEER (D) KHAHSA (C.G.)	CHECKED BY	EXECUTIVE ENGINEER (D) KHAHSA (C.G.)
CHECKED BY	EXECUTIVE ENGINEER (D) KHAHSA (C.G.)	CHECKED BY	EXECUTIVE ENGINEER (D) KHAHSA (C.G.)
CHECKED BY	EXECUTIVE ENGINEER (D) KHAHSA (C.G.)	CHECKED BY	EXECUTIVE ENGINEER (D) KHAHSA (C.G.)
CHECKED BY	EXECUTIVE ENGINEER (D) KHAHSA (C.G.)	CHECKED BY	EXECUTIVE ENGINEER (D) KHAHSA (C.G.)



SCALE - ALL DIMENSIONS ARE IN METERS

DRAWING NO. -

DATE -

BY -

FOR -

APPROVED BY -

SIGNED -

DESIGNED -

CHECKED -

DATE -



[illegible][illegible]

The diagram illustrates the plan view of an escape channel. It is a trapezoidal shape with a wider bottom and a narrower top. The bottom width is labeled as 60.00 M, and the top width is labeled as 15.00 M. The channel is oriented horizontally. The text 'PLAN OF ESCAPE CHANNEL' is written vertically along the right side of the channel. At the bottom of the diagram, the text 'GOVERNMENT OF CHHATTISGARH, WATER RESOURCES DEPARTMENT' is written horizontally.

CHANNEL DATA			
S.NO.	PARTICULARS	U/S DATA	D/S DATA
1.	FULL SUPPLY W DISCHARGE	26.00 Cumecs	26.00 Cumecs
2.	CANAL BED WIDTH	60.00 M	15.00 M
3.	FULL SUPPLY W DEPTH	2.65 M	2.65 M
4.	FREE BOARD	0.75 M	0.75 M
5.	SIDE SLOPE (INNER)	2 : 1	2 : 1
6.	SIDE SLOPE (OUTER)	2 : 1	2 : 1
7.	VELOCITY (V)	2.66 M/Sec.	2.35 M/Sec.
8.	BED GRADE	1 : 900	1 : 900

CERTIFIED THAT THE STRATA SHOWN IN THE TRIAL PIT SECTION  
IS CORRECT WITH BEST OF MY KNOWLEDGE

P. C. W.  
SUB ENGINEER/  
ASSISTANT ENGINEER

SUB DIVISIONAL OFFICER MINIMATA BANGKO CANAL SUB DN DABIRIA (CG)	EXECUTIVE ENGINEER MINIMATA BANGKO CANAL DN NO. 5 KHARSLA (CG)
--	--

EXECUTIVE ENGINEER  
MINIMATA BANGKOK CANAL DN NO. 5  
KHARSAH (C.G.)

SCALE -

NOTE - ALL DIMENSIONS ARE IN METER

SUPERINTENDING ENGINEER  
K&LO PROJECT DAM CIRCLE  
KHARSIA (C.G.)

CHIEF ENGINEER  
MINIMATA (HASDEO) RANGO PROJECT  
BILASPUR (C.G.)

GOVERNMENT OF CHHATTISGARH, WATER RESOURCES DEPARTMENT  
OFFICE OF THE EXECUTIVE ENGINEER, MINIMATA BANGO CANAL DN NO. 5, KHARSIJA (C.G.)

OFFICE OF THE EXECUTIVE ENGINEER, MINIMATA BANGO CANAL DN NO. 5, KHARSIA (

RENOVATION OF SARASKELA TANK SCHEME

**BOOKED BY**

CHECKED BY \_\_\_\_\_

CHECKED BY

SUB ENGINEER/  
ASSISTANT ENGINEER

ASSISTANT ENGINEER (DAM PROJECT DAM CIRCUIT)

MINIMATA (HASDEO) BANGO PROJECT  
BILASPUR (C.G.)

SUB DIVISIONAL OFFICER-  
MINIMATA BANGO CANAL SUB DN  
DABHARA (C.G.)

CHECKED BY \_\_\_\_\_

EXECUTIVE ENGINEER (D)  
MINIMATA (HASDEO) BANGO PROJECT  
BILASPUR (C.G.)

ASSISTANT ENGINEER (D)  
MINIMATA BANGO CANAL DN NO.  
KHARSIA (C.G.)

KELO PROJECT DAM CIRCLE  
KHARSIA (C.G.)  
RECOMMENDED BY

SUPERINTENDING ENGINEER (D)  
MINIMATA (HASDEO) BANCO PROJECT  
BILASPUR (C.G.)

SCALE -

NOTE - ALL DIAMINSON ARE IN METER

DRAWING NO.:-

---