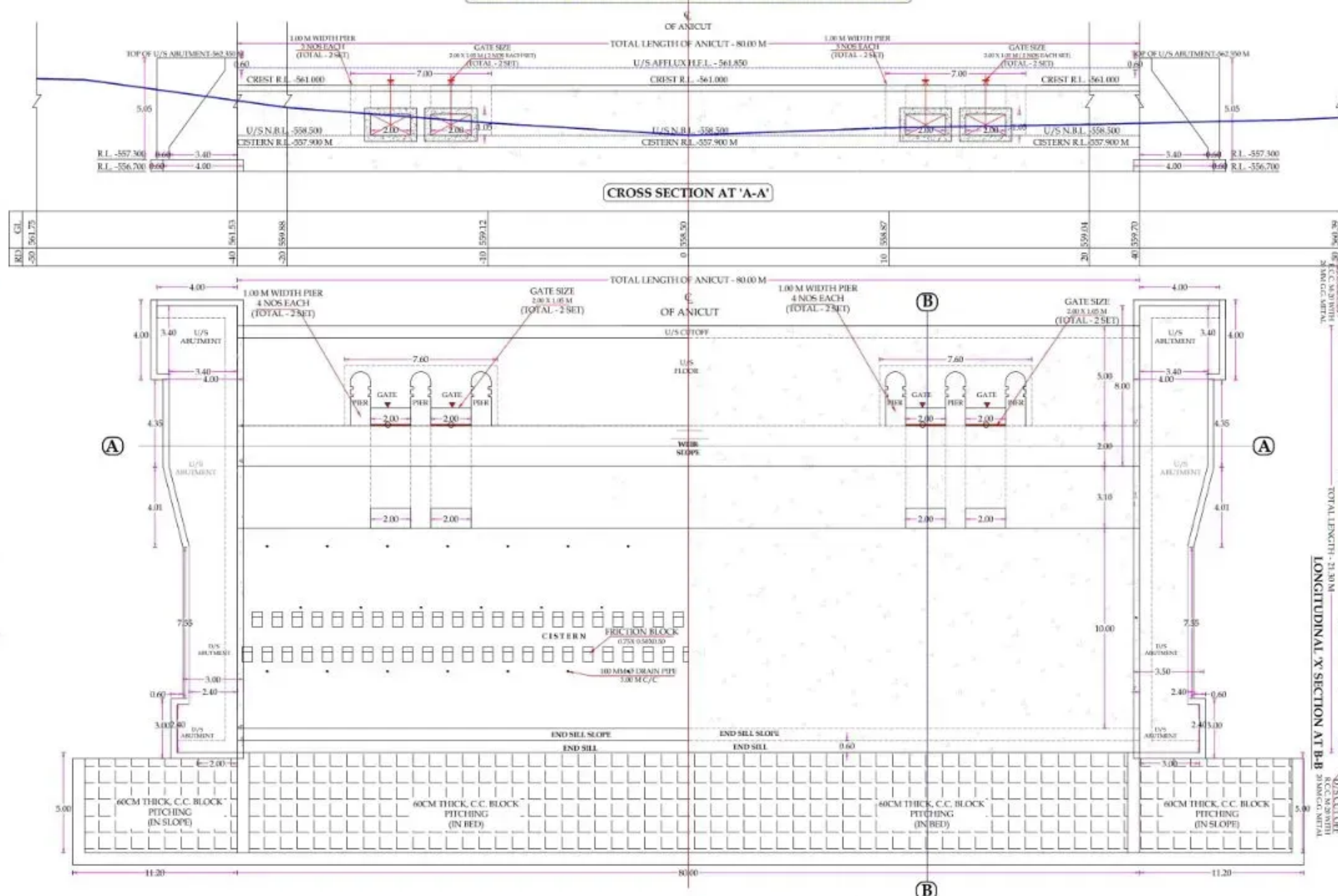


**DRAWING OF SONWAHI ANICUT SCHEME IN PHULJHARDHAN NALA**



HALF TOP & HALF BOTTOM PLAN

SCALE - A

DATA			
S.NO.	PETICULARS	DATA	UNITS
1.	CATCHMENT AREA	22.00	Sq.km
2.	BED LEVEL OF RIVER	558.500	M
3.	H.F.L. OF RIVER	560.350	M
4.	LENGTH OF ANICUT	80.00	M
4.	HEIGHT OF ANICUT	2.50	M
5.	TOP OF BANK LEVEL OF RIVER	563.500	M

BAR BENDING SCHEDULE									
S.NO.	NAME OF BAR	SHAPE OF BAR	100 FEET	SP. CING (IN MM)	LENGTH OF ONE BAR (IN MTR)	QNTY (IN NOS)	TOTAL LENGTH (IN MTR)	UNIT WT (KGS)	TOTAL WT (IN KG)
A FLOOR & WEIR WALL									
1	Main Bar		12	300	20.88	268	5595.84	0.888	4986.11 Kg
2	Disty Bar		10	300	80.00	71	5680.00	0.617	3504.36 Kg
B ABUTMENT & RETURN (L/S & D/S)									
1	Main Bar		10	300	5.35	114 x 2	1219.80	0.617	752.62 Kg
2	Disty Bar		10	300	34.00	18 x 2	1292.00	0.617	797.16 Kg
C APPROACH WALL									
1	Main Bar		10	300	5.35	84 x 4	1797.60	0.617	1108.12 Kg
2	Disty Bar		10	300	25.00	18 x 4	1980.00	0.617	1172.30 Kg
D PIER									
1	Main Bar		12	300	7.75	203	1575.25	0.888	1397.05 Kg
2	Disty Bar		10	300	60.60	27	1636.20	0.617	1008.54 Kg
E BOTTOM FLOOR OF GATE									
1	Inner Bar		12	300	2.87	108	223.30	0.888	198.37 Kg
2	Inner Bar		12	300	2.56	108	276.48	0.888	245.51 Kg
3	Outer Bar		12	150	2.97	212	638.50	0.617	270.35 Kg
4	Disty Bar		10	150	7.75	120	930.00	0.617	573.81 Kg
F TOP SLAB OF GATE									
1	Inner Bar		16	300	2.87	114	299.95	1.580	579.09 Kg
2	Inner Bar		16	300	2.56	116	296.96	1.580	469.20 Kg
3	Outer Bar		12	150	2.97	228	677.60	0.888	438.78 Kg
4	Disty Bar		10	150	8.40	120	1008.00	0.617	621.94 Kg
G RCC ROAD									
1	Main Bar		12	300	4.50	469	2010.50	0.888	2675.32 Kg
2	Disty Bar		10	300	280.00	16	3200.00	0.617	1974.40 Kg
H L/S CUTOFF									
1	Main Bar		12	300	6.50	268	1688.40	0.888	1499.30 Kg
2	Disty Bar		10	300	80.00	21	1760.00	0.617	1083.92 Kg
I D/S CUTOFF & END SILL									
1	Main Bar		12	300	6.38	268	1709.84	0.888	1518.34 Kg
2	Disty Bar		10	300	80.00	22	1760.00	0.617	1085.95 Kg
J FRICTION BLOCK									
1	Main Bar		10	300	3.14	524	1617.04	0.617	427.51 Kg
2	Disty Bar		10	300	3.00	648	1944.00	0.617	1199.45 Kg
K TOE WALL FOR PITCHING									
1	Main Bar		10	300	5.68	35	198.80	0.617	122.66 Kg
2	Disty Bar		10	300	9.80	20	196.00	0.617	121.03 Kg
L FRONT FLOOR									
1	Main Bar		10	300	5.00	268	1340.00	0.617	826.78 Kg
2	Disty Bar		10	300	80.00	18	1440.00	0.617	888.45 Kg
M WHEEL GUARD									
1	Main Bar		10	400	0.45	1.8x202	563.60	0.617	228.34 Kg
2	Disty Bar		8	700	0.80	2.4x202	484.80	0.705	391.50 Kg
N BATHING GHAT									
1	Main Bar		12	150	5.50	57 x 2	627.00	0.888	556.78 Kg
2	Disty Bar		10	150	8.40	38 x 2	638.40	0.617	393.89 Kg
O R.C.C. BOX BAREIL FOR SLUICE GATE									
AS PER ATTACHED SHEET- 377-RCC 3 & NO. GATE									1513.32 Kg
TOTAL STEEL WT (IN KG)									34399.55 Kg
ADD 5% STEEL FOR WASTAGE & OVERLAP									1719.48 kg
NET TOTAL STEEL WT (IN KG)									36109.03 Kg

### DETAIL OF T.P. SECTION









ALSO BY BED

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

SUB ENGINEER	SUB DIVISIONAL OFFICER WATER RESOURCES SUB DIVISION, JANAKPUR (C.G.)	EXECUTIVE ENGINEER WATER RESOURCES DIVISION, MANENDRAGARH (C.G.)
GOVERNMENT OF CHHATTISGARH WATER RESOURCES DEPARTMENT		
OFFICE OF THE EXECUTIVE ENGINEER, W.R.DIVISION, MANENDRAGARH (C.G.)		

## SONWAHI ANICUT SCHEME IN PHULJHARDHAN NALA

## DRAWING OF SONWAHI ANICUT SCHEME IN PHULJHARDHAN NALA

 ASSISTANT ENGINEER WATER RESOURCES CIRCLE RAIPUR (E.C.)	 ASSISTANT ENGINEER (S) HARIDWAR CIRCLE W.R. DEPT. AMBILAPUR (E.C.)
 ASSISTANT ENGINEER WATER RESOURCES CIRCLE JALPAIGURI (E.C.)	EXECUTIVE ENGINEER (S) HARIDWAR CIRCLE W.R. DEPT. AMBILAPUR (E.C.)
ASSISTANT ENGINEER WATER RESOURCES CIRCLE, HANUANGARH (E.C.)	 ASSISTANT ENGINEER (S) HARIDWAR CIRCLE W.R. DEPT. AMBILAPUR (E.C.)
 EXECUTIVE ENGINEER WATER RESOURCES CIRCLE (HVSRO), MASITNIGARH (E.C.)	 EXECUTIVE ENGINEER HARIDWAR CIRCLE W.R. DEPT. AMBILAPUR (E.C.)
SCALE (A) - 1CM = 100 M	DRAWING NO.-

### SPECIFICATION

[illegible]SECTION OF U/S ABUTMENT  
& APPROACH WALL

SECTION OF D/S ABUTMENT



DETAILS OF INDISEL      DETAILS OF U/G CUTOFF



DETAILS OF PIER, SCOURING GATE SLAB



STEEL DETAILS OF BARRELS

