

NORMS FOR DIFFERENT PARAMETERS AT VARIOUS CANAL CAPACITIES

SR. NO.	PARTICULARS OF DISCHARGE	LINING OF CANAL IN C.M.	FREE BOARD IN C.M.			TOP WIDTH OF SERVICE ROAD IN CM		MAINTENANCE LAND WIDTH IN M		PLANTATION LAND WIDTH IN M		DOWEL
			LINING IN C.M.	EARTH WORK ABOVE LINING IN CM	TOTAL IN C.M.	SERV-ICE ROAD IN CM	INSPECTION ROAD IN CM	SR SIDE	I.P. SIDE	SR	I.P.	
1.	ABOVE 50 CUMecs OR 2.5 M DEPTH OF WATER	10 CM.	80.0 CM.	30.0 CM.	90.0 CM.	4.27 M.	2.50 M.	3.35 M.	3.35 M.	3.0 M.	3.0 M.	1M TOP WIDTH 0.8 M HEIGHT
2.	14.2 TO 50 CUMecs OR 1.0 M TO 2.5 M DEPTH OF WATER	7.5 CM.	60.0 CM.	30.0 CM.	90.0 CM.	4.27 M.	2.50 M.	3.35 M.	3.35 M.	3.0 M.	3.0 M.	do
3.	7.1 TO 14.2 CUMecs OR 1.0 TO 2.5 M DEPTH OF WATER	7.5 CM.	45.0 CM.	15.0 CM.	60.0 CM.	4.27 M.	2.50 M.	3.35 M.	3.35 M.	---	---	do
4.	1.5 TO 7.1 CUMecs OR 1.0 TO 2.5 M DEPTH OF WATER	7.5 CM.	30.0 CM.	30.0 CM.	60.0 CM.	4.27 M.	2.50 M.	3.35 M.	3.35 M.	---	---	do

Reach in Mt.	Section in mt. (F.S.D.)	Thickness of Lining in cm.
1 0 to 3680	5.00 x 3.20	10
2 3680 to 7395	5.00 x 2.80	10
3 7395 to 11515	4.50 x 2.60	10
4 11515 to 15570	4.00 x 2.60	10
5 15570 to 19200	3.00 x 2.00	7.5
6 19200 to 21326	3.00 x 1.80	7.5
7 21326 to 24475	2.50 x 1.40	7.5

AT Ch. 0.00 Km. Canal in Full Cutting
 GL = 52.12 m.
 TBL = 51.50 m.
 CBL = 47.40 m.
 B = 5.00 m.
 D = 3.20 m.
 F.B. = 0.90 m.

NOMENCLATURE

- B BED WIDTH OF CANAL
- D FULL SUPPLY DEPTH OF CANAL C.B.L CANAL BED LEVEL
- T.B.L TOP OF BANK LEVEL
- F.S.L FULL SUPPLY LEVEL OF CANAL
- GL GROUND LEVEL
- F.B FREE BOARD FOR LINING
- SR WIDTH OF SERVICE ROAD
- I.P INSPECTION PATH
- G BOUNDARY GUTTER
- ML1 MAINTENANCE LAND WIDTH ON INSPECTION PATH SIDE
- ML2 MAINTENANCE LAND WIDTH ON SERVICE ROAD SIDE
- BS BOUNDARY STONE
- F.B.E FREE BOARD FOR EARTHWORK
- DC DEPTH OF CUTTING
- F.L FOREST LAND WIDTH
- H HEIGHT OF BANK

- NOTE - 1 ADDITIONAL FREE BOARD 15/20/40 MT. FOR F.S.D. 2MT/3MT/4MT IF FOR F.S.D. 20T SHOULD BE CONSIDERED FOR DISCHARGE BETWEEN TWO C.R.S.
- 2 THIS DRAWING IS FOR TENDER AND NOT FOR CONSTRUCTION PURPOSE
- 3 PROVISION OF 3.0 MT. LAND WIDTH FOR FOREST ON BOTH SIDE OF CANAL FOR DISCHARGE ABOVE 14 M CUMecs MAY BE MADE AS PER GOVT. CIRCULAR NO. 1073/VI DATED 11-5-62
- 4 THIS DRAWING IS ONLY TENTATIVE & ONLY FOR TENDER PURPOSE
- 5 FOR CONSTRUCTION, DRAWING WILL BE PROVIDED AT THE TIME OF EXECUTION

* NOT TO SCALE

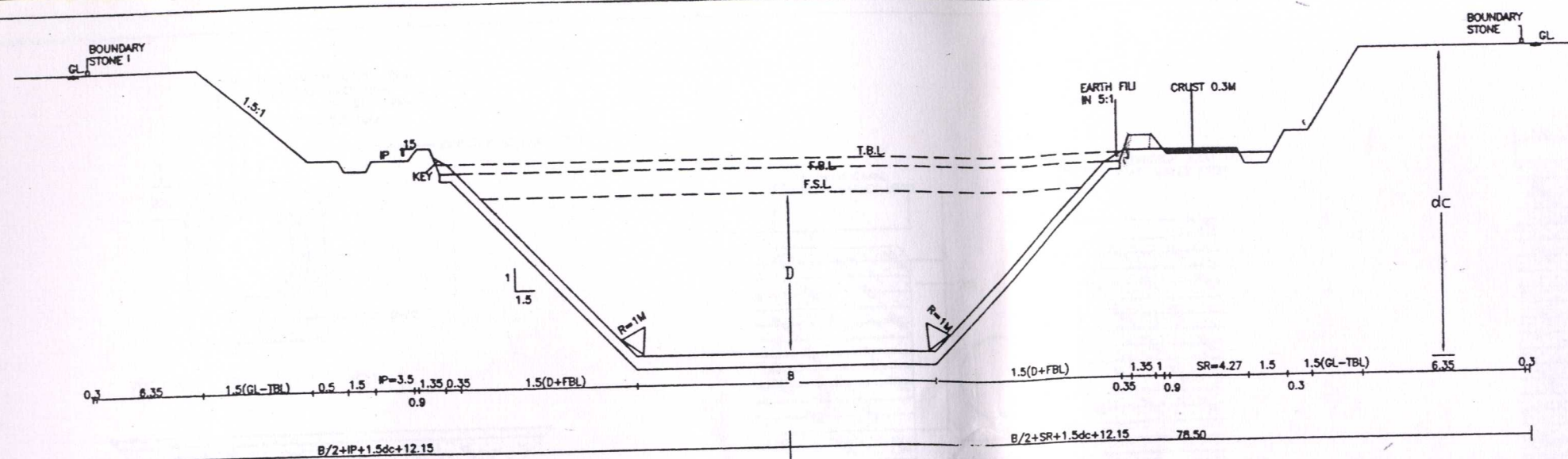
SARDAR SAROVAR NARMADA NIGAM LTD. GUJRAT

SARDAR SAROVAR (NARMADA) PROJECT
 NARMADA MAIN CANAL WORKS

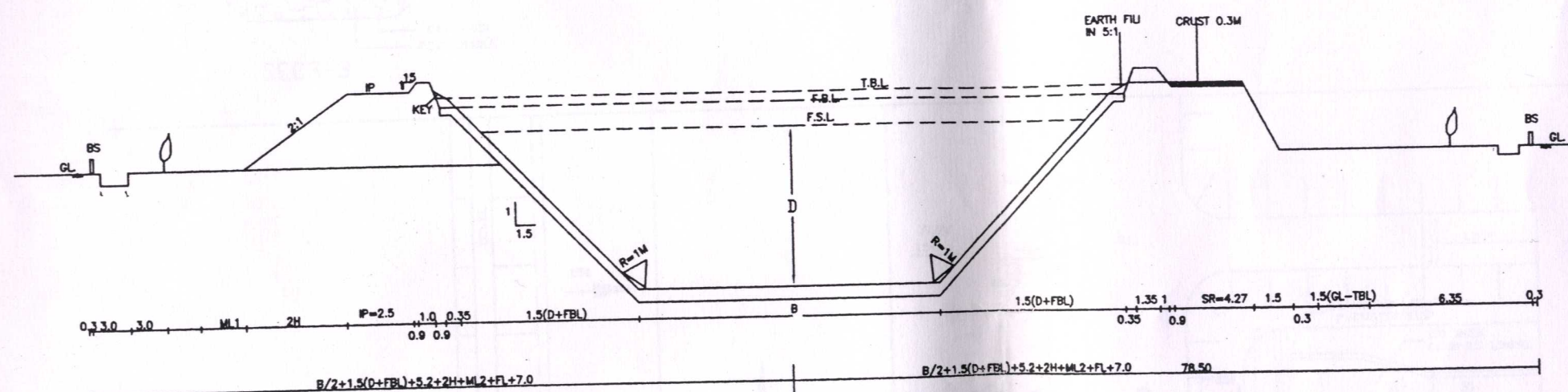
KACH CHH BRANCH CANAL CIRCLE NO.1, RADHANPUR

TYPICAL CROSS SECTION OF
 RADHANPUR BRANCH CANAL

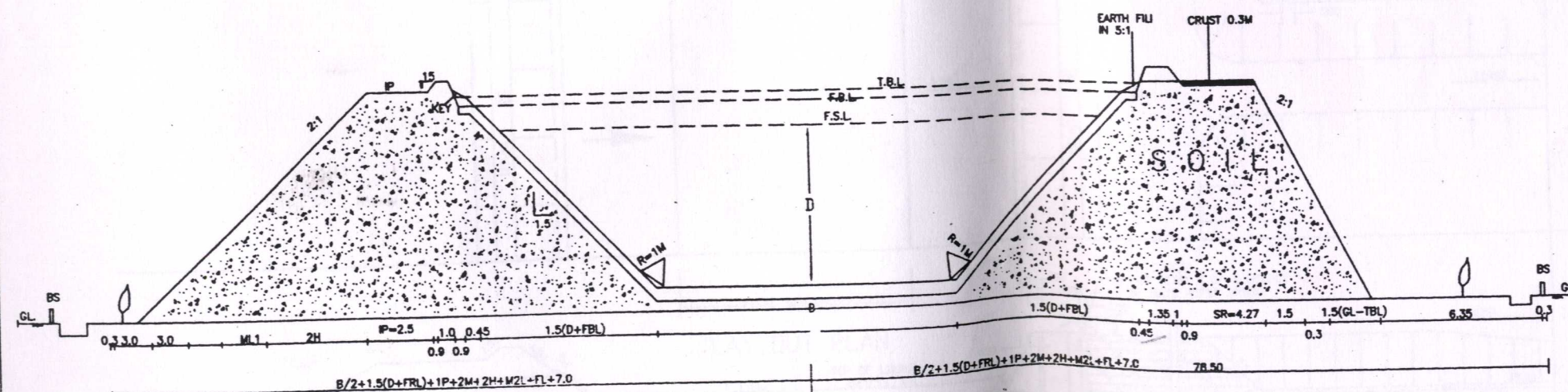
SUBMITTED		RECOMMENDED	APPROVED
DY. EX. ENG.	EX. ENGINEER	SUP. ENG.	C.E.(KBC)
K.B.C.S.D.1/1 'A' RADHANPUR	K.B.C.D.1/1 RADHANPUR	DRG.NO. DATE	



CANAL SECTION IN FULL CUTTING



CANAL SECTION IN PARTIAL CUTTING & BANKING



CANAL SECTION IN FULL BANK