

M.I.Tank @ Boripada, Tal Trimbakeshwar, Dist Nashik

FEATURES OF THE SCHEME

Sr No	Particulars	Details
(A)	LOCATION	
1)	Nearest Village	Boripada ✓
	Taluka	Trimbak ✓
	District	Nashik ✓
2)	Toposheet No	46 H / 10 ✓
		Latitude:- 20° 05' 30" ✓
		Longitude:- 73° 30' 10" ✓
3)	Name of Nalla	Locala Nalla ✓
	Tributary of River	Damanganga ✓
	Falls in Catchment area of	West Flowing Rivers ✓
4)	Scheme falls in	Tribal Area ✓
(B)	HYDROLOGY	
1)	Catchment Area	1.75 Sq. Km. : ✓ 0.68 Sq. miles ✓
	Nature of Catchment Area	Good ✓
2)	Name of Rainguage Station and distance from site.	Trimbak ✓
	50% dependable rainfall	50 Km ✓
		86.68 Inch ✓ 214.10 Cm ✓
3)	50% dependable Yield	1970 TCM ✓
		69.56 Mcft ✓
	Workedout by	Inglish Formula ✓
4)	Proposed utilisation of Yield	1970.00 TCM : ✓ 69.56 Mcft ✓
5)	Cropping Pattern proposed	
	kharip	30 ✓
	Rabbi	100 ✓
6)	Evaporation Losses in a Year	141.88 TCM ✓ 5.01 Mcft ✓
7)	Silt Pocket	31.50 TCM : ✓ 1.11 Mcft ✓
8)	Assumed life of project	60 Years ✓
9)	Assumed silting Rate	6 Ha/100SqKm / Year ✓
10)	Gross storage	1970 TCM : ✓ 69.56 Mcft ✓
11)	Live storage	1970.00 TCM : ✓ 69.56 Mcft ✓
12)	Yield required for Irrigation.	1473.24 TCM : ✓ 52.02 Mcft ✓
13)	Basic Irrigable area	227.00 Ha ✓

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(C)	LEVELS	
1)	Nalla Bed Level	83.37 M. ✓
2)	Sill Level	91.00 M. ✓
3)	Full Supply Level	103.00 M. ✓
4)	High Flood Level	104.20 M. ✓
5)	Top of Bund Level	106.20 M. ✓
6)	Top of Hearting	105.20 M. ✓
(D)	EARTHEN DAM	
1)	Length of Dam	435.00 M. ✓
	Chainage	-45 to 390 M ✓
2)	Maximum Height of Dam	22.83 M. ✓
	Chainage	130.00 M. ✓
3)	Top Width of Casing	4.50 M. ✓
4)	Top Width of Hearting	3.00 M. ✓
5)	Slopes : Casing U/S.	1 : 2.5 ✓ 1 : 2.5 ✓ 1 : 2.5 ✓
	Casing D/ S	1 : 2 ✓ 1 : 2 ✓ 1 : 2 ✓
	Hearting U/S & D/S.	1v : 1 H ✓
6)	Berm Width D/S side	5.00 M. ✓
	Berm Width U/S side	5.00 M. ✓
7)	Positive C.O.T. Chainage	-30 to 390 M ✓
8)	Rock Toe Chainage.	30 to 360 M ✓
9)	Rivetment Chainage	-45 to 390 M ✓
(E)	SURPLUSING WORKS.	
1)	Maximum Flood Discharge	61.25 Cumecs
2)	Worked out by	35 x CA ✓
3)	Value of C	
4)	Waste Weir Type	C.O.F Type
	Length	28.00 M ✓
	Chainage	390 to 418 M. ✓
5)	Formation Level in Approach	102.70 M ✓
6)	Formation Level in Tail	102.60 M ✓
7)	Bed slope in Tail Channel	1V:100H ✓
8)	Velocity in Tail Channel	6.52 M / Sec. ✓
9)	Length of Tail Channel	45.00 M ✓
10)	Length of Tail Channel	45 M ✓

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(F)	HEAD REGULATOR & CANAL	
	Head Regulator type	Well type Head Regulator ✓
	Chainage	105 M ✓
	Length of Right Bank Canal	1.80 Km ✓
	Discharge through Canal	10 Cusecs ✓
	Length of Left Bank Canal	2.75 Km ✓
	Discharge through Canal	
	Gross Command Area	295.00 Hect ✓ 729.00 Acre ✓
	Irrigable Area	227.00 Hect ✓ 561.00 Acre ✓
(G)	ESTIMATED QUANTITIES	
1)	Total Land Required	40.86 Hect. ✓
	Bagayat Land	Hect.
	Jirayat Land	35.91 Hect.
	Revenue Land	Hect.
	Forest Land	4.95 Hect.
2)	Earth work in Hearting	57546 Cum.
	Earth work in Casing	101986 Cum. ✓
	C O.T Filling	8385 Cum. ✓
	Total Earth work	167917 Cum. ✓
3)	Excavation in Tail & Approach	1212.00 Cum. ✓
	Hard Murum	4127.00 Cum. ✓
	Soft Rock	1676.00 Cum. ✓
	Hard Rock	7149.00 Cum. ✓
(H)	FINANCIAL	
1)	Net Cost of Project	Rs. 118100161 /- ✓
	Centage Charges	Rs. 9851269 /- ✓
	Gross Cost of Project	Rs. 127951430 /- ✓
2)	Cost / T.C.M.	Rs. 61714 /- per TCM ✓
3)	Cost / Mcft	Rs. 1747740.48 /- per Mcft ✓
4)	B.C.Ratio	1.4

R.B. Gupta
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Checked by me

TP
(Phapare S.Y.)

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