

KOTGAL BARRAGE

Tahsil :- Gadchiroli

Distt:- Gadchiroli

BENEFIT COST RATIO

A. Annual Benefits

		50.653	Mm3
1. Total value of Irrigated Produce		Rs.	12406.08 Lakhs
Kotgal LIS		Rs.	3740.05 Lakhs
Other LIS		Rs.	8007.76 Lakhs
Gogaon LIS		Rs.	658.27 Lakhs
2. Deduct			
a. Total Value of Un-Irrigated Produce		Rs.	1785.65 Lakhs
b. Benefits of culturable land going under Submergence.		Rs.	6.74 Lakhs
25 Ha. @ Rs.	269.74 Per 1000 Ha.	Total Rs.	1792.39 Lakhs
		Net Benefits Rs.	10613.69 Lakhs
3. Benefits from Fisheries (As per Separate sheet attached)		Rs.	119.17 Lakhs
4. Benefits from drinking water supply (As per 1.4.2008 Rates)		Rs.	20.40 Lakhs
	Drinking water=	10.00 Mm ³	
(1.70 lacs + 20 %) = 2.04 lacs	Rate per Mm ³ =	2.04	
	Benefits for Drinking water supply =	20.40	
5. Benefits for Industrial Use @ 10% of gross storage (As per 1.4.2008 Rates) (38.00 lacs + 20%) = 45.60 lacs			
10% of	22.00 at Rs.	45.60 Rs.	1003.20 Lakhs
		Lakhs/Mm ³	
6. Benefits from Animal Husbandary		Rs.	338.73 Lakhs
		Total Benefits Rs.	12095.19 Lakhs

B. Annual Cost

Kotgal Barrage

Cost of Project	Rs.	36571.31		
Interest charges @ 9 % on Rs.		36571.31	Rs.	3291.42 Lakhs
Depreciation charges @ 1 % On Rs.		36571.31	Rs.	365.71 Lakhs
Annual Maintanance charges @ 1% of H.W.			Rs.	323.95 Lakhs
Total annual cost of project	Rs.			3981.08 Lakhs

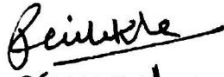
ii) Lift irrigation schemes

1 Annual Cost of Kotgal LIS	Rs.	627.07	ICA = 3000 Ha.
As per A.A 2007-2008 =	518.24 Lacs		
10% increase for 2008-09=	570.06 Lacs		
10% increase for 2009-10=	627.07 Lacs		
2 Annual Cost of Porla Wasa LIS	Rs.	522.56	ICA = 2500 Ha.
For 2500 Ha			on the basis of Kotgal LIS
3 Annual Cost of lifting for virgin command of 750 Ha	Rs.	136.50	
@ Rs. 0.182 Ha.			
4 Annual Cost of Gogaon LIS	Rs.	57.39	Annual Cost based Revised A.A . From CSR 2008-2009
For 370 Ha			
Total annual cost of project Rs.			1343.52 Lakhs

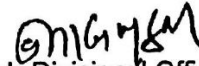
Total Annual Cost Total Rs. 5324.60 Lakhs	
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B.C. Ratio = Benefits ÷ Annual cost

$$= \frac{12095.19}{2.27} / 5324-60$$



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Chandrapur



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Lift Irrigation Sub-Division No.1
Chandrapur



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Minor Irrigation Division
Chandrapur



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Chandrapur Irrigation Project Circle
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