

Construction of Feeder Channel from RD 16500m of Bawanthadi Main Canal to Sorna Medium Project

Taluka:-Mohadi

District:-Bhandara

Calculations For Benefit Cost Ratio

Sr No.	Description	Amount in Lakhs
I	COST ESTIMATE:-	
	a) Estimated cost of the Project	169.09 Lakhs ✓
	b) Cost of Sorna Project as per AA	37.04 Lakhs ✓
	c) Maintenance cost from year 2000-2015	93.07 Lakhs ✓
	d) Deduct Cost of Land	23.86 Lakhs ✓
	Total A :-	275.99 Lakhs ✓
II	ANNUAL BENEFITS	
	a) Net benefit Agriculture produce <u>after</u> commissioning of the Project	797.66 Lakhs ✓
	b) Net benefit Agriculture produce <u>before</u> commissioning of the Project	574.33 Lakhs ✓
	(a-b) Net Benefit	223.33 Lakhs ✓
III	ANNUAL COST	
	a) Interest @ 10% on the estimated cost of the project, including cost of land development but excluding cost of "B-land"	27.60 Lakhs ✓
	b) Depreciation of the Project @ 1.33% of the cost of the project excluding cost of land development and "B-Land"	3.67 Lakhs ✓
	c) Annual operation and maintenance cost @ Rs 300 per ha of CCA	4.66 Lakhs ✓
	Total :-	35.93 Lakhs ✓

$$\begin{aligned}
 \text{B/C Ratio} &= \frac{\text{ANNUAL BENEFITS}}{\text{ANNUAL COST}} \\
 &= \frac{223.33}{35.93} \\
 &= 6.22
 \end{aligned}$$

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