

BENEFIT COST RATIO ECONOMICS OF IRRIGATION SCHEME

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Without S-Powar

TEHSIL-	Sagar						DISTRICT	Sagar
Irrigation in Ha	Amount in Rs.	Ha					cost Rs.	9990.00
								Lakhs
Name of Crop	Area under cultivation	Cost of cultivation Rs/Ha	Total Cost of cultivation Rs. Lacs	Yeild per Hactare (Qtl)	Rate per quintal (Rs.)	Total Yield (qt)	Total value produce (Rs. Lacs)	Net Profit (Rs. in Lacs)
1	2	3	4	5	6	7	8	9
Pre development								
Gram	650	4000	26.00	18	2200	11700	257.40	231.40
Ord. Wheat	2500	6000	150.00	22	1500	55000	825.00	675.00
Hy. Wheat	0	8000	0.00	25	1500	0	0.00	0.00
Fisheries	0	0	0.00	0	0	0	0.00	0.00
Total	3150		176.00			66700.00	1082.40	906.40
Post development								
Gram	4540	8000	363.20	40	3500	181600	6356.00	5992.80
Ord. Wheat	5450	9000	490.50	40	1600	218000	3488.00	2997.50
Fisheries 720 ha	720	10000	72.00	0.90	20000	648.00	129.60	57.60
Total	9990		925.70			400248.00	9973.60	9047.90
Grand Total							9973.60	9047.90


Sub Engineer


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KADAN MEDIUM PROJECT

BENEFIT COST RATIO

188

Without S-Powar

TEHSIL	9990	DISTRICT-	38579
		Cost	38579
		Irrigation Ha	9990
S.No.	Particulars		Amount in Rs. Lacs
1	2	3	4
(a)	BENEFIT		
1	Value of Total Agriculture produce before irrigation		1082.40
2	Cost of cultivation to the economy of item (i)		176.00
3	Net Profit before irrigation (1-2)		906.40
4	Value of Total produce after irrigation		9973.60
5	Cost of Cultivation to the economy of item (iv)		925.70
6	Net Profit After irrigation (4-5)		9047.90
7	Net Benefits (6-3)		8141.50
(b)	ANNUAL COSTS	5% interest	10% Interest
1	Interest on capital (On Estimated cost of Scheme)	1928.95	3857.90
2	Depreciation charges @ 1% Rs. on Capital Cost	385.79	385.79
3	O & M expenses @ 1200/- per hact	119.88	119.88
4	Energy charges	264.60	264.60
	Total Cost - Rs in Lacs	2699.22	4628.17
	B.C. Ratio	3.02	1.76

Lakhs
Ha


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