REVISED BHAUNRAT DAM PROJECT

STATEMENT OF VALUE OF PRODUCE BEFORE IRRIGATION

S. No.	Crop	Area	Rate of production /Qtl	Total production	Rate of produce	Value of produce	Expendeture /Input Cost							
							Seed		Manure		Pesticide		Labour Charges	
							Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13	12	13
A	Kharif													
	Jowar	1000	6	6000.00	900	54.00	200	2.00	500	5.00	0	0.00	1600	16.00
	Pulses (Urad&Mo	2000	5	10000.00	4000	400.00	1000	20.00	1000	20.00	500	10.00	1500	30.00
	Total=	**3000**		***16000.00***		***454.00***		***22.00***		***25.00***		***10.00***		***46.00***
B	Rabi													
	Gram	1500	6	9000.00	3000	270.00	3000	45.00	1000	15.00	300	4.50	3000	45.00
	Wheat	200	12	2400.00	1500	36.00	1600	3.20	2000	4.00	500	1.00	5000	10.00
	Peas	1000	6	6000.00	2500	150.00	3000	30.00	1000	10.00	300	3.00	2900	29.00
	Oilseeds	4300	6	25800.00	3000	774.00	200	8.60	2000	86.00	500	21.50	7000	301.00
	Total=	***7000***		***43200.00***		***1230.00***		***86.80***		***115.00***		***30.00***		***385.00***
	G. Total food Grain			**59200.00**		**1684.00**		**108.80**		**140.00**		**40.00**		**431.00**

STATEMENT OF VALUE OF PRODUCE AFTER IRRIGATION

A	Kharif													
1	Paddy	1000	50	50000	1360	680.00	2000	20.00	5000	50.00	500	5.00	8000	80.00
2	Soyabean	1000	15	15000	4000	600.00	6000	60.00	4000	40.00	750	7.50	4000	40.00
3	Groundnut	2000	18	36000	3500	1260.00	5000	100.00	4000	80.00	200	4.00	7000	140.00
4	Maize	1000	60	60000	1200	720.00	5000	50.00	5000	50.00	500	5.00	5000	50.00
5	(urad&Moong)	1000	10	10000	4000	400.00	1000	10.00	2250	22.50	500	5.00	2000	20.00
6	Til	3000	15	45000	9000	4050.00	300	9.00	1500	45.00	200	6.00	5000	150.00
	Total=	***9000.00***		***216000.00***		***7710.00***		***249.00***		***287.50***		***32.50***		***480.00***
B	Rabi													
1	Wheat	1000	40	40000	1500	600.00	1600	16.00	6000	60.00	500	5.00	5000	50.00
2	Gram	3000	20	60000	3000	1800.00	3000	90.00	2250	67.50	300	9.00	3000	90.00
3	Peas	1000	25	25000	2500	625.00	3000	30.00	2250	22.50	300	3.00	2900	29.00
4	Oilseeds	2000	20	40000	3000	1200.00	300	6.00	3500	70.00	1000	20.00	7000	140.00
	Total=	***7000.00***		***165000.00***		***4225.00***		***142.00***		***220.00***		***37.00***		***309.00***
	G. Total food Grain			**381000.00**		**11935.00**		**391.00**		**507.50**		**69.50**		**789.00**

Assistant Engineer
Irrigation construction Division-II
Lalitpur

Executive Engineer
Irrigation construction Division-II
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Benefit Cost Ratio Calculation

(Rs. In Lac.)

		PRE PROJECT	POST PROJECT
A.	**GROSS RECEIPTS**		
1	Gross value of Farm Produce	1684.00	11935.00
2	Dung Receipts (30% of Fodder Expenditure)	75.78	358.05
	Total (A) Gross Receipts	**1759.78**	**12293.05**
B.	**EXPENSES**		
1	Expenditure on Seeds	108.80	391.00
2	Expenditure on Mannure / Fertilizer & Pesticides	180.00	577.00
3	Expenditure on Hired labour	431.00	789.00
4	Fodder Expenses [15% for pre and 10% for post	252.6	1193.5
	Project of (A-1)]		
5	Depreciation (@ 2.7% of A-1)	45.468	322.245
6	Share and Cash rent 5% for pre and 3% for post	84.2	358.05
	Project of (A-1)		
7	Land Revenue (2%)	33.68	238.7
	Total (B) Expenses	**1135.75**	**3869.50**
C.	**NET VALUE OF FARM PRODUCE**		
1	Total Gross Receipts	1759.78	12293.05
2	Total Expenses	1135.75	3869.50
3	**Net value [(c-1) - (c-2)]**	**624.03**	**8423.56**
D.	**ANNUAL BENEFITS**		
1	Net value after Irrigaton (c-3)		**8423.56**
2	Net value before Irrigaton (c-3)		**624.03**
	Net Benefits (D1 - D2)		**7799.52**
E.	**ANNUAL COST**		
1	Interest on Capital @ 10% of Capital cost		5997.19
2	Depreciation of the project @ 1% of the capital cost		599.72
3	O & M @ Rs. 100 per ha for 16000 ha		16.00
	Net Annual Cost		**6612.91**
	B C RATIO(Net Annual Benefit / Net Annual Cost)**i.e. D/E =**		**1.18**

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