Name of Project : Telekali MIP

CROPS AND CROPPING PATTERN

TABLE 1 EXISTING CROPPING PATTERN AT THE TIME OF INSPECTION

COMMAND AREA = 28.00 Ha

Sl No	Crops	Area under different crops in Ha			Total Area in Ha
		Summer	Kharif	Rabi	
		(Feb - May)	(Jun - Oct)	(Nov - Jan)	
1	Sali paddy	-------	25.00	-------	25.00
2	Vegetables	-------	-------	1.00	1.00
TOTAL		-----	25.00	1.00	26.00

TABLE 2 PROPOSED CROPPING PATTERN

COMMAND AREA = 28.00 Ha

Sl No	Crops	Area under different crops in Ha			Total Area in Ha
		Summer	Kharif	Rabi	
		(Feb - May)	(Jun - Oct)	(Nov - Jan)	
1	Ahu paddy	10.00	-------	------	10.00
2	Maize	5.00	-----	------	5.00
3	Sali paddy	------	28.00	------	28.00
4	Boro paddy	------	------	20.00	20.00
5	Vegetables (Cabbage, cauliflower)	-----	------	2.00	2.00
TOTAL		15.00	28.00	22.00	65.00

TABLE 3 YIELD AND COST OF PRODUCT FOR VARIOUS CROPS

Sl No	Crops	Yield in Qntl per Ha	Cost of produce per Qntl
1	Ahu paddy	25	₹ 2,200.00
2	Maize	15	₹ 1,500.00
3	Sali paddy	20	₹ 2,200.00
4	Boro paddy	25	₹ 2,000.00
5	Vegetables(cabbage, cauliflower)	60	₹ 2,000.00

District Agri. Officer.
South Garo Hills District

Executive Engineer(WR)
South Garo Hills Division
Baghmara.

Junior Engineer(WR)
Baghmara Sub-division

Name of Project :- Telekali FIP

BENEFIT COST RATIO

TABLE-1 ANTICIPATED INCOME ON THE BASIS OF EXISTING CROPPING PATTERN (PRE-PROJECT)

Sl No	Crop	Area in Ha	Yield in Qntl per Ha	Total produce	Unit cost of produce (Rs)	Vulues of produce in Lakhs	Unit cost of cultivation (Rs)	Total cost of cultivation in Lakhs	Net benefit in Lakhs
1	Sali paddy	25.00	20	500	2200	11	₹ 19,304.00	₹ 4.83	₹ 6.17
2	Vegtables	1.00	60	60	2000	1.20	₹ 56,000.00	₹ 0.56	₹ 0.64
					TOTAL	12.2		₹ 5.39	₹ 6.81

TABLE 2 ANTICIPATED INCOME ON THE BASIS OF SUGGESTED CROPPING PATTERN (POST-PROJECT)

Sl No	Crop	Area in Ha	Yield in Qntl per Ha	Total produce	Unit cost of produce (Rs)	Vulues of produce in Lakhs	Unit cost of cultivation (Rs)	Total cost of cultivation in Lakhs	Net benefit in Lakhs
1	Ahu paddy	10.00	25	250	2200	5.5	2200	0.2200	5.2800
2	Maize	5.00	15	75	1500	1.125	15733	0.78665	0.33835
3	Sali paddy	28.00	20	560	2200	12.32	19304	5.40512	6.91488
4	Boro paddy	20.00	25	500	2000	10.00	19304	3.8608	6.1392
5	Veg. (cabbage, cauliflower)	5.00	60	300	2000	6.00	35000	1.75000	4.2500
					TOTAL	34.945		12.02257	22.92243

PROJECT COST = ₹ 69,90,500.00

1) ANNUAL COST Rs in Lakhs

Project cost in Lakhs	Interest	Depreciation	Maintenance	Operation cost	Annual cost
	@10% of the project cost	@2% of the project cost	1% of the project cost	@ Rs1,175.00 /per Ha CCA	Col^{m} (2+3+4+5)
1	2	3	4	5	6
₹ 69.91	₹ 6.99	₹ 1.40	₹ 0.70	₹ 0.33	₹ 9.42

II) ANNUAL BENEFIT Rs in Lakhs

Post project Benefit	Pre-project Benefit	Annual Benefit(Col^{m} 1 - Col^{m} 2)
1	2	3
₹ 22.92	₹ 6.81	₹ 16.11

Therefore, Benefit cost ratio = Annual benefit/Annual cost = 1.71 : 1

Superintending Engineer(WR)
Garo Hills Circle, Tura

Executive Engineer(WR)
South Garo Hills Division
Baghmara

District Agriculture Officer,
South Garo Hills, Baghmara.

Sectional Officer(WR)
Baghmara Sub-division