

ESTIMATE VALUE OF PRODUCE (BEFORE IRRIGATION)

Sl. No	Crop	Area in percentage	Area in Ha	Produce Q tls/Ha	Rate/ Qtls	Value of produce (Rs in Lakhs)	Seed rate Input/Ha	Seed (Rs in Lakhs)	Manure Rate Input/Ha	Manure (Rs in Lakhs)	Hired labour & bullok 20% of total Value produce (Rs in Lakhs)	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Jowar	25.65	25000	12	1570	4710.00	115	28.75	300	75.00	942.00	
2	Ground Nut	27.70	25000	15	4030	15112.50	5250	1312.5	800	200.00	3022.50	
3	Pulses	18.10	15000	5	4500	3375.00	300	45	600	90.00	675.00	
4	Chilly	9.55	5000	20	7500	7500.00	300	15	1000	50.00	1500.00	
5	Paddy	1.91	3800	40	1410	2143.20	1600	60.8	1000	38.00	428.64	
6	Maize	17.09	15000	25	1325	4968.75	130	19.5	600	90.00	993.75	
	Total	100.00	88800			37809.45		1481.55		543.00	7561.89	

ESTIMATE VALUE OF PRODUCE(AFTER IRRIGATION)

1	Jowar	5.00	24890	20	1570	7815.46	115	28.62	300	74.67	1563.09	
2	Ground Nut	27.66	137691	30	4030	166469.00	5250	7228.80	800	1101.53	33293.80	
3	Pulses	15.12	75267	20	4500	67740.62	300	225.80	600	451.60	13548.12	
4	Chilly	17.52	87215	60	7500	392465.52	300	261.64	1000	872.15	78493.10	
5	Paddy	1.90	9458	80	1410	10668.85	1600	151.33	1000	94.58	2133.77	
6	Maize	7.00	34846	60	1325	27702.57	130	45.30	600	209.08	5540.51	
7	cotton	15.65	77906	80	3800	236833.33	1000	779.06	1000	779.06	47366.67	
8	sun flower	10.15	50527	80	3900	157643.30	1000	505.27	1000	505.27	31528.66	
	Total	100.00	497800			1067338.65		9225.83		4087.93	213467.73	

BENEFIT COST RATIO
PALAMURU RANGAREDDY LIFT IRRIGATION SCHEME

Sl.No	PARTICULARS	Rs. In Lakhs	
		BEFORE IRRIGATION	AFTER IRRIGATION
A.	GROSS RECEIPTS		
1	Gross Value of the farm produce	37809.45	1067338.65
2	Receipts @ 30% of the fodder expenditure	11342.84	320201.60
3	Total (A): Gross Receipts(1+2)	49152.29	1387540.25
B.	EXPENSES		
1	Expenditure on Seeds	1481.55	9225.83
2	Expenditure on Manure	543.00	4087.93
3	Expenditure on Pesticides		
4	Expenditure on Hired Labour	7561.89	213467.73
5	Fodder expence @ 15%/10% of Gross value of farm produce	5671.42	106733.87
6	Depreciation on implements @ 2.7% of Gross value of farm produce	1020.86	28818.14
7	Share & Cash rent @ 5%/3% of total gross value of farm produce	1890.47	32020.16
8	Land revenue @ 2% of total gross value of farm produce	756.19	21346.77
9	Total (B): Expenses(1 to 8)	18925.37	415700.43
C.	NET VALUE OF PRODUCE		
1	Total Gross Receipts	49152.29	1387540.25
2	Minus total expenses	18925.37	415700.43
3	NET VALUE OF PRODUCE	30226.91	971839.82
D.	ANNUAL BENEFITS		
1	Net value after irrigation		971839.82
2	Net value before irrigation		30226.91
3	Net annual benefits		941612.91
4	Revenue from Domestic water supply 142 M cum @ 50.69 Lakhs per M cum.		7197.98
5	Revenue from Industrial water supply 142 M cum. @ 145.69 Lakhs per M cum.		20687.98
			969498.87
E.	ANNUAL COSTS		
1	Interest on Capital @ 8% of estimated total cost of the project		281600.00
2	Depreciation of the project @ 1 % of the project		3520.00
3	Annual operation and maintenance charges @ Rs. 223/Ha		1110.09
4	Maintenance of Head works @ 1% of the cost of Head works		14500.00
5	Depreciation of Pumping System @ 3.33% of the estimate cost of Pumping station assuming life of the system as 30 Years.		48285.00
6	Power charges for lift irrigation		290000.00
7	Total (E):		639015.09
	BENEFIT COST RATIO		1.52