

CALCULATION OF BENEFIT COST RATIO(BCR)			
		Figures are in Rs lakhs	
A	Gross Receipts	Without Project Situation	With Project Situation
1	Gross Income of farm produce from New Ayacuts (1825700 Acres)	60273.71	1369080.47
2	Gross Income of farm produce from Stabilised Ayacuts (33% of 1882970 Acres )	15541.11	353006.72
3	<b>Total A : Gross Receipts(1+2)</b>	<b>75814.82</b>	<b>1722087.19</b>
B	<b>EXPENSES:</b>		
1	Total cost of Production for New Ayacuts (1825700 Acres)	17087.54	86056.58
2	Total cost of Production for Stabilised Ayacuts (33% of 1882970 Acres )	4405.89	22189.02
3	<b>Total B : Expenses (1 to 2)</b>	<b>21493.43</b>	<b>108245.59</b>
C	<b>NET VALUE OF PRODUCE</b>		
1	Total gross receipts (Total A.3)	75814.82	1722087.19
2	Minus total expenses (Total B.3)	21493.43	108245.59
3	<b>Net value of product C : [1-2]</b>	<b>54321.39</b>	<b>1613841.60</b>
D	<b>ANNUAL BENEFITS:</b>		
1	Net value in with Project Situation (C:3)		1613841.60
2	Minus Net value without Project situation (C:3)		54321.39
3	<b>Net annual Agricultural benefits due to Project (D):[1-2]</b>		<b>1559520.21</b>
E	Other net annual benefits due to aquaculture including pisciculture, drinking & industrial water supply, hydro-power generation, animal husbandry, catchment area treatment chargeable to project, canal bank plantation, reservoir periphery, afforestation etc.		
1	Drinking water supply		169884.00
2	Industrial water supply		407721.60
3	Fisheries (Avg. reservoir area x Rate as per fisheries dept.)		15000.00
	<b>Total E</b>		<b>592605.60</b>
F	<b>TOTAL NET ANNUAL BENEFITS (D3+E)</b>		<b>2152125.81</b>
G	<b>ANNUAL COSTS</b>		
1	Interest on Capital @10% of Estimated total cost of the project		804997.10
2	Annual Energy Cost of Pumping water for Irrigation and other purposes		406740.00
3	Depreciation of the project at 1% of the cost of the project for 100 years life		80499.71
4	Annual operation and maintenance charge including periodic maintenance at Rs. 1500 per Ha of ICA		11082.76
5	Depreciation of the pumping system @ 6.67% of the cost of the pumping system assuming life of the system as 15 years		81878.60
6	Depreciation of the raising mains @ 3.33% of the cost of the raising mains assuming life of the system as 30 years		7112.75
7	<b>Total (G') of Annual costs (1 to 6)</b>		<b>1392310.92</b>
	<b>BENEFITS COST RATIO</b>	<b>2152125.81</b>	<b>1.55</b>
	$\frac{\text{F: Annual Benefits}}{\text{G: Annual Cost}}$	<b>1392310.92</b>	

