

MARKATOLA TANK PROJECT

BENEFIT COST RATIO

| S.No. | Particulars | Amount (in Lakhs) |
|----------|--|----------------------|
| 1 | 2 | 3 |
| A | Cost of Estimate | 1350.00 |
| B | Annual Benefits | |
| 1. | Value of total agricultural produce before irrigation | 109.35 |
| 2. | Cost of cultivation | 43.31 |
| 3. | Net benefit before irrigation (S.No. 1-2) | 66.04 |
| 4. | Value of agricultural produce after irrigation | 315.90 |
| 5. | Cost of cultivation | 67.23 |
| 6. | Net benefit before irrigation (S.No. 4-5) | 248.67 |
| | Net Annual Benefits Cost (6-3) | 182.63 |
| C | Annual Cost | |
| 1. | Interest 10% on capital cost Rs. 1350.00 Lakhs | 135.00 |
| 2. | Depreciation 2% on capital Cost Rs. 1350.00 Lakhs | 27.00 |
| 3. | Administrative charges Rs. 250.00 per Ha. Of annual irrigation 486 Hact. | 1.215 |
| | Total | 163.215 |
| D | Benefit Cost Ratio @ 10% | |
| | = Annual benefits / Total annual cost | |
| | = 182.63 / 163.215 = 1.12 : 1 | 1.12 : 1 |


Executive Engineer
W.R. Division Rajnandgaon

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Receipts from produce after irrigation

| S. No. | Name of crops | Area in Hact. | Produce | | | | Value of total produce in Rs. Lakhs |
|--------------|---------------|---------------|----------------------------|------------------------|-----------------|-----------------|-------------------------------------|
| | | | Produce per Hact. in tonne | Total produce in tonne | Rater per tonne | Amount in Lakhs | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1. | Kharif | 486 | 5.20 | 2527.20 | 12500.00 | 315.90 | 315.90 |
| Total | | 486 | | | | | 315.90 |

Expenses from produce after irrigation

| S.No. | Particulars | Area in Hact. | Rate per Ha. | Total Amount |
|----------------|---|---------------|-----------------|--------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1. | Abstract of expenses field preparation | 486 | 1250 | 607500.00 |
| 2. | Abstract of expenses showing | 486 | 3000 | 1458000.00 |
| 3. | Abstract of expenses fertilizer | 486 | 4100 | 1992600.00 |
| 4. | Abstract of expenses seed treatment | 486 | 1450 | 704700.00 |
| 5. | Windowing & threshing | 486 | 3750 | 1822500.00 |
| 6. | Abstract of expenses canal rate | 486 | 250 | 121500.00 |
| 7. | Depreciation charges on completion of project @ Rs. 15.00 per Hact. | 486 | 15 | 7290.00 |
| 8. | Shares of cash return @ Rs. 12.50 per Hact. | 486 | 12.50 | 6075.00 |
| 9. | Land revenue @ Rs. 6.50 per Hact. | 486 | 6.50 | 3159.00 |
| Total | | 486 | 13824.00 | 67235240.0 |
| Say Rs. | | | | 67.23 Lakhs |


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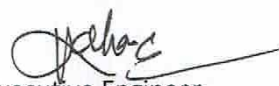
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Receipts from produce before irrigation

| S. No. | Name of crops | Area in Hact. | Produce | | | | Value of total produce in Rs. Lakhs |
|--------------|---------------|---------------|----------------------------|------------------------|-----------------|-----------------|-------------------------------------|
| | | | Produce per Hact. in tonne | Total produce in tonne | Rater per tonne | Amount in Lakhs | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1. | Kharif | 486 | 2.25 | 1093.50 | 10000.00 | 109.35 | 109.35 |
| Total | | 486 | | | | | 109.35 |

Expenses from produce before irrigation

| S.No. | Particulars | Area in Hact. | Rate per Ha. | Total Amount |
|----------------|---|---------------|----------------|--------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1. | Abstract of expenses field preparation | 486 | 625.00 | 303750.00 |
| 2. | Abstract of expenses showing | 486 | 1875.00 | 911250.00 |
| 3. | Abstract of expenses fertilizer | 486 | 1500.00 | 729000.00 |
| 4. | Abstract of expenses seed treatment | 486 | 2500.00 | 1215000.00 |
| 5. | Windowing & threshing | 486 | 3000.00 | 1458000.00 |
| 6. | Depriciation charges on completion of project @ Rs. 15.00 per Hact. | 486 | 15.00 | 7290.00 |
| 7. | Shares of cash return @ Rs. 12.50 per Hact. | 486 | 12.50 | 6075.00 |
| 8. | Land revenue @ Rs. 2.00 per Hact. | 486 | 2.00 | 972.00 |
| Total | | 486 | 9529.50 | 4331337.00 |
| Say Rs. | | | | 43.31 Lakhs |


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