

**Minor Irrigation Scheme at Boripada (Goldari)Tal: Tryambakeshwar.
Dist: Nasik**

BENEFIT : COST RATIO

1 Value of irrigation produce in command	Rs: 19724987.94
2 Value of exsting produce in command and submergence area at Rs:2582.00/Ha For (242+27Ha =259Ha	Rs: 1245870.00
3 Add for produce for galper land i.e. from 50 % of submergence area @ Rs: 45733.80 /Ha for 16.18 (32.36/2) Ha	Rs: 1406111.41
4 Drinking Water Charges Rs 1010 per Tcum for 295.50 Tcum	298455
5 Add for Fishary 14.52 600 100	871200
(Mean area Sill + FSL in ha.) kg/ha.	
Total Rs:	21054884.35

Cost of project Rs: 127539041

1 Interest charges @ 10 % of cost of Project	Rs: 12753904.12
2 Depreciation charges @ 1.666 % of cost of Project	Rs: 2124800
3 Administrative charges @ Rs : 476/Ha for 227 Ha basic area.	Rs: 108052.00

Net annual cost Rs: 14986756.55

$$\begin{aligned}
 \text{Benefit Cost Ratio} &= \frac{\text{Benefit}}{\text{Cost}} \\
 &= \frac{21054884.35}{14986756.55} \\
 &= 1.40
 \end{aligned}$$



P. D. Chaudhari
Sect. Engr.


Sub Divisional Officer

Minor Irrigation Construction
Sub Division Trimbakeshwar

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Dist: Nasik**

VALUE OF IRRIGATION PRODUCE IN COMMAND

Price Index of Agriculture Product of 9/2004 563.08
Price Index of Agriculture Product of 9/2011 1071.98
Rising Percentage 1.90

ICA = 227.00 Ha.

Name of Crop	%	Value/Ha (Rs:)	Rising Percenta	Amount(Rs)
<u>I Kharif</u>				
Paddy	20	7240.0	1.90	13756.00
Ground Nut	10	10588.0	1.90	20117.20
<u>II Rabi</u>				
Wheat	30	13937	1.90	26480.30
Hybrid Jawar	0	8081	1.90	15353.90
Gram	20	20590	1.90	39121.00
Sunflower	20	10604	1.90	20147.60
Vegetables(Tommato)	30	109357	1.90	207778.30

ICA = 227.00 Ha.

Name of Crop	%	Value/Ha (Rs:)	Amount(Rs)
<u>I Kharif</u>			
Paddy	20	13756.0	275120.00
Ground Nut	10	20117.2	201172.00
<u>II Rabi</u>			
Wheat	30	26480.3	794409.00
Hybrid Jawar			
Gram	20	39121.0	782420.00
Sunflower	20	20147.6	402952.00
Vegetables(Tommato)	30	207778.3	6233349.00
			8689422.00

Value of irrigation produce for 100 Ha of basic area = 8689422.00

Value of irrigation produce for 227 Ha of basic area = 19724987.94

Prepared by,


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VALUE OF EXISTING PRODUCE IN COMMAND

Price Index of Agriculture Product of 9/2004 563.08
Price Index of Agriculture Product of 9/2011 1071.98
Rising Percentage 1.90

I.C.A.(Ha) = 227.00 Ha.

C.C.A.(Ha) = 283.75 Ha.

Name of Crop	%	Are in Ha.	Value/Ha (Rs:)	Rising Percer	Amount(Rs)
Nagali	15	34.05	2335.00	1.90	151062.83
Varai	10	22.70	2335.00	1.90	100708.55
Gram	1	2.27	5620.00	1.90	24239.06
Paddy	30	68.10	3105.00	1.90	401755.95
Other Oil	1	2.27	4933.00	1.90	21276.03
Fodder	38	86.26	2155.00	1.90	353191.57
Pulses	5	11.35	2842.00	1.90	61287.73
		227.00	Total Rs		1113521.72

Value of exsting produce for 100 Ha = 490538.20

Value of exsting produce for 1 Ha = 4905.38

Say Rs: 4905.00

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