

Mohar Reservoir Project

Statement Showing The Receipt From Produce Before Irrigation

Financial Statement -12 A(1)

S No.	Name of Crops	Area in Ha	Produce in Ha		Total Produce per Ha(Tonnes)		Product		Amount in Lacs	Value in Total Produce Lacs	Remarks
			(Tonnes)	4	5	6	Rates Per Tonnes	7			
1	2	3								8	9
1	Paddy	700	1.5		1050	25000	262.50			262.50	
2	Kodo	100	0.5		50	80000	40.00			40.00	
3	Tiwara	200	0.6		120	38000	45.60			45.60	
							Total			348.10	
							Grand Total			348.10	


Sub-Divisional officer
Mongra project W/R Canal Sub Dn. No-2
Dongargaon, Distt.-Rajnandgaon(C.G.)

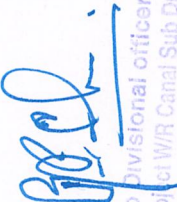

Executive Engineer
Water Resources Division
Balod (C.G.)

Mohar Reservoir Project

Statement Showing the Details of Expenses Before Irrigation

Financial Statement -12 A(2)

1	2	3	Seeds		Fertilizers		Pesticides		Cost of Cultivation		Total Expenses	
			Rate/Ha	Amount (In Lacs)	Rate/Ha	Amount (In Lacs)	Rate/Ha	Amount (In Lacs)	Rate/Ha	Amount (In Lacs)	in Lacs	
			4	5	6	7	8	9	10	11	12	
1	Paddy	700	900	6.3	1800	12.60	500.00	3.50	3000.00	21.00	43.40	
2	Kodo	100	300	0.3	700	0.70	500.00	0.50	2700.00	2.70	4.20	
3	Tiwara	200	200	0.4	150	0.30	100.00	0.20	200.00	0.40	1.30	
										Total	48.9	
									Grand Total		48.90	


 Sub-Divisional Officer
 Mongra project W/R Canal Sub Dn. No-2
 Durgamgaon, Distt.-Rajmandgaon(C.G.)


 Executive Engineer
 Water Resources Division
 Balod (C.G.)

Mohar Reservoir Project

Statement Showing the Details of Expenses After Irrigation

Financial Statement -12 B(2)

	Name of Crops	Area in Ha	Seeds		Fertilizers		Pesticides		Cost of Cultivation		Total Expenses	
			Rate/Ha	Amount (In Lacs)	Rate/Ha	Amount (In Lacs)	Rate/Ha	Amount (In Lacs)	Rate/Ha	Amount (In Lacs)		in Lacs
1	2	3	4	5	6	7	8	9	10	11		12
1	Paddy	800	1000	8.00	2000	16.00	600	4.80	3000	24.00		52.80
3	Tiwara	600	700	4.20	700	5.60	200	1.20	200	1.20		12.20
										Total		65.00
									Grand Total			65.00


 Sub Divisional officer
 Mongra project W/R Canal Sub Dn. No-2
 Dongargaon Distt.-Rajhangaon(C.G.)


 Executive Engineer
 Water Resources Division
 Balod (C.G.)

Mohar Reservoir Project

Statement Showing The Receipt From Produce After Irrigation

Financial Statement -12 B(1)

S No.	Name of Crops	Area in Ha	Product					Remarks
			Produce in Ha (Tonnes)	Total Produce per Ha(Tonnes)	Rates Per Tonnes	Amount in Lacs	Value in Total Produce Lacs	
1	2	3	4	5	6	7	8	9
1	Paddy	800	5.00	4000	25000.00	1000.00	1000.00	
2	Tiwara	600	2.00	1200	38000.00	456.00	456.00	
						Total	1456.00	

Grand Total 1456.00


 Sub-Divisional officer
 Mongra project W/R Canal Sub Dn. No-2
 Dangargao, Distt.-Rajhangaon(C.G.)


 Executive Engineer
 Water Resources Division
 Balod (C.G.)

Mohar Reservoir Project

Financial Statement

Gross Receipt (A) for 800 Ha

(a) Gross Value of Farm Product = 348.10

(b) Add receipt of 30% of fodder Expenses
@ Rs. 200 /-per Ha = 0.48

© Cow Dung @ Rs. 500 /-Per Ha = 4.00

Say Rs. = 352.58 Lacs

Abstract of Expenses (B)

(a) Material & cost of cultivation = 48.9

(b) Fodder @ Rs. 100 /-per Ha for 800 Ha = 0.80

(c) Deprecation charges on 800 Ha implements @ Rs. 100 /- = 0.80

(d) Share and cost of rent @ Rs. 50 /-per Ha for 800 Ha = 0.40

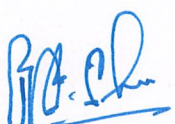
(e) Land Revenue @ Rs. 5 /-per Ha for 800 Ha = 0.04

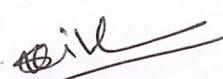
Say Rs. = 50.94 Lacs

Net Value of Produce

A -- B = 352.58 - 50.94 = 301.64

Say Rs. 301.64 Lacs


Sub Divisional officer
Mongra project W/R Canal Sub Dn. No-2
Dongargaon, Distt.-Rajnandgaon(C.G.)


Executive Engineer
Water Resources Division
Balod (C.G.)

Mohar Reservoir Project

Statement Showing The Receipt From Water Revenue from NSPCL

Financial Statement -12 B(1)

S No.	Quantity of Water(CUM)	Rate	Amount
1	2	3	4
1	16992353.44	25.00	4248.088
		/Cum /Year	
		G. Total	4248.09

Conversion of TMC to CUM

1	0.6 TMC	$0.6 \times 1000 \times 1000000$ 16992353.44 CUM
---	---------	---


Sub Divisional officer
Mongra project W/R Canal Sub Dn. No-2
Dongargaon, Distt.-Rajnandgaon(C.G.)


Executive Engineer
Water Resources Division
Balod (C.G.)

Mohar Reservoir Project

Financial Statement

Gross Receipt (A) for 800 Ha

(a) Gross Value of Farm Product	=	1456.00
(b) Add receipt of 30% of fodder Expenses @ Rs. 200 /-per Ha	=	0.48
© Cow Dung @ Rs. 500 /-Per Ha	=	4.00
(d) Add revenue from NSPCL as water charges	=	4248.09
Say Rs.(in Lacs)	=	5708.57

Abstract of Expenses (B)

(a) Material & cost of cultivation	=	65.00
(b) Fodder @ Rs. 100 /-per Ha for 800 Ha	=	0.80
(c) Deprecation charges on 800 Ha implements @ Rs. 100 /-	=	0.80
(d) Share and cost of rent @ Rs. 50 /-per Ha for 800 Ha	=	0.40
(e) Land Revenue @ Rs. 5 /-per Ha for 800 Ha	=	0.04
Say Rs.(in Lacs)	=	67.04

Net Value of Produce

$$A - B = 5708.57 - 67.04 = 5641.53$$

Say Rs. 5641.5284 Lacs


Sub Divisional officer
Mongra project W/R Canal Sub Dn. No-2
Dongargaon, Distt.-Rajnandgaon(C.G.)


Executive Engineer
Water Resources Division
Balod (C.G.)

Mohar Reservoir Project

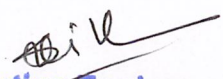
BENEFIT COST RATIO

(in Lacs)

(A) BENEFIT PRIMARY

1	(i) Value of Total Agricultural Production Before Irrigation (Vide F.S. 12-A)	=	Rs.	352.58
	(ii) Cost of Cultivation to cost to economy (As per F S 12 -A)	=	Rs.	50.94
	(iii) Net Produce before Irrigation (i)-(ii)	=	Rs.	301.64
2	(i) Value of Total Agricultural Production After Irrigation (Vide F.S. 12-B)	=	Rs.	5708.57
	(ii) Cost of Cultivation to cost to economy (As per F S 12 -B)	=	Rs.	67.04
	(iii) Net Increase of produce after irrigation)i)-(ii)	=	Rs.	5641.53
3	<u>NET BENEFIT</u>			
	= 2(iii) - 1(iii)			
	= 5641.53 - 301.64	=	Rs.	5943.17


Sub-Divisional officer
Mongre project W/R Canal Sub Dn. No-2
Dongargaon, Distt.-Rajnandgaon(C.G.)


Executive Engineer
Water Resources Division
Balod (C.G.)

Mohar Reservoir Project
CALCULATION OF INTERNAL RATE OF RETURN FOR IRRIGATION SECTOR
DETAILS OF OUTLAY ON IRRIGATION WORK AND PHASING OF EXPENDITURE

(A) CAPITAL OUTLAY (Rs. IN Lacs)

S No	Sub Head	Unit - I Head Work	Unit-II Canals	Total
1	"A " Preliminary	0	0.00	0
2	"B" Land	31674.87	6020.85	37695.72
3	"I" Works	9552.93	17419.62	26972.55
	(Less "A""B""Q")			
4	"Q" Special T & P	10.43	10.43	20.86
5	Total(in Lacs)	41238.23	23450.90	64689.13
		Say Rs. (in Crores)		646.89

Amount Already deposited By NSPCL for Project Funds

(Rs in Crores) = 323.45

Net Cost of Infrastructure to be Borne for Project

(Rs in Crores) = 323.45

(B) ANNUAL COST

@10%

1 Interest on capital of Rs.

64689.13 Rs. 6468.91

2 Depreciation Charges @

Rs 12.940

2% on Rs "646.89"(646.89*0.02)

3 Adminstrative Expenses @Rs.

0.960

120/- per Ha on 800 ha

Total (Rs in Lacs) 6482.81

Benefit Cost Ratio =

net value of product / annual cost

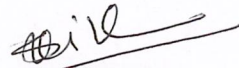
5943.17 / 6482.810

Benefit Cost Ratio =

A/B

0.92

Sub Divisional Officer
M. P. W.R. Canal Sub Division No. 2
Dongargaon (Rajnandgaon)


Executive Engineer
Water Resources Division
Balod (Chhattisgarh)