

CHAPTER - III

LAND ACQUISITION AND REHABILITATION



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Any irrigation development scheme has two aspects economic as well as social. The economic aspect includes the cost of construction of the dam itself, canals masonry work, mechanical work, construction work of canal banks etc. The social aspect includes mainly the problems submergence of land, land acquisition and rehabilitation of the dam affected villages as well as families. It can be said that the economic benefit of the irrigation scheme can be described in terms of irrigation potential, change in cropping pattern, increase in food production, modernisation of agriculture and thereby overall increase in standard of living of the rural families. Though this economic effect is on bright side of the coin. But it should be remembered that this economic benefit has always social cost defined as the cost of sacrifices of the submergence of some villages and instability of the dam affected villages and families as well. Therefore the problem of rehabilitation of the dam affected villages and also families must get equal priority in the economics of development of major irrigation projects.

This chapter deals with a study of rehabilitation work of Bhima (Ujjani) irrigation project. Irrigation

project in respect of submergence and acquisition of land, Organisation and administrative machinery of rehabilitation work and its progress. The land acquisition and the rehabilitation are equally important issues of the major irrigation projects.

3.1 LAND ACQUISITION :

In order to acquire the required quantity of land, it covers six talukas in three districts of Solapur, Pune and Ahmednagar. The total land acquired for construction of Bhima (Ujjani) Irrigation project was 27534 hectares (see table No. III.1) out of which 26595 hectares was privately owned land and remaining land owned by the government which is reserved as forestland.



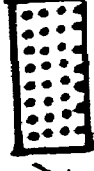



TABLE NO. III-1 : TALUKAWISE INFORMATION OF THE TOTAL LAND ACQUISITION FOR BHIMA (UJJANI) IRRIGATION PROJECT.

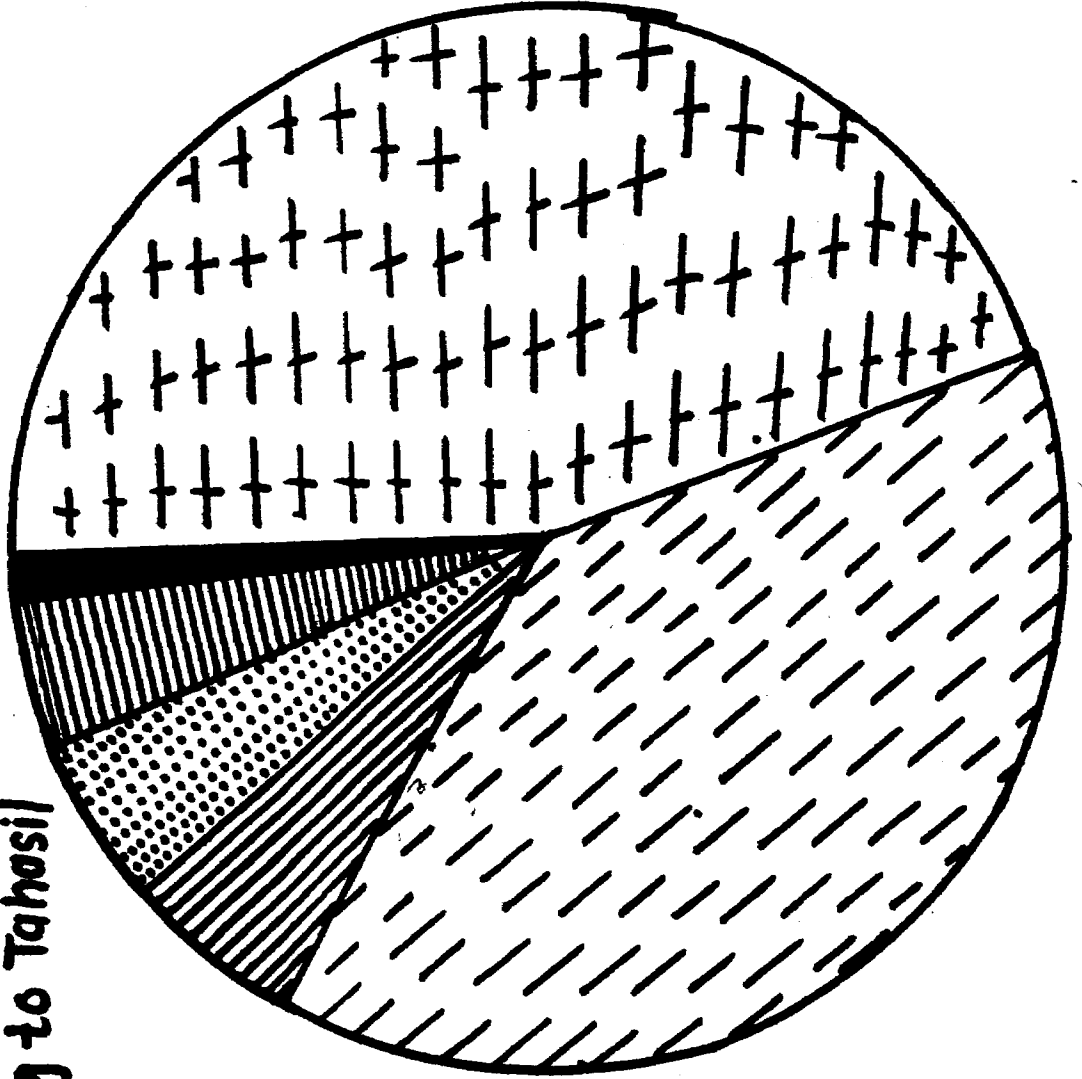
District	Taluka	Land Acquired H. R.	Land to be Acquired H. R.	Total Land H. R.
Solapur	Madha	1373-18	26-39	1399-57
	Karmala	12025-76	421-44	12447-20
Pune	Indapur	10653-30	117-48	10770-78
	Daund	1404-21	87-20	1491-41
Ahmednagar	Karjat	1185-81	-	1185-81
	Shrigonda	239-63	-	239-63
			Total	<u>27534-40</u>

Source : Office of the Bhima (Ujjani) Irrigation project, Bhimanagar.

Acquired Land for Ujjani Reservoir According to Tahasil

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	Srigonda	0.87%
	Kaejat	4.30%
	Madha	5.08%
	Daund	5.42%
	Indapur	39.12%
	Kaemala	45.21%



It is evidently clear from the table No. III-1 that the maximum land acquired under the dam comes from only two talukas in Solapur District.

Acquisition of private land is the most difficult task it is having many social, economic, political and legal complications. The government has to pay compensation to the private land holders as per law. The total amount paid to the private land owners as compensation was Rs. 6,43,03,524 during the last 12 years from 1968-69 to 1979-80. The maximum amount of more than Rs. 4.47 crores was paid in the year 1975-76. Regarding acquisition of gothans. Out of 51 submerged villages 34 villages were submerged was one year of 1975-76. The total amount of compensation paid for the gothans acquisition was more than Rs. 2.75 crores during the period of 10 years from 1970-71 to 1979-80.

The table No. III-2 showing yearwise acquisition process of private land and gothans for Bhima (Ujjani) Irrigation project.

TABLE NO. III-2 : Yearwise Acquisition of Private Land and Gaothans for Ujjani Project :

Sr. No.	Year	Private Agri. Lands Acquired		Gaothans Acquired	
		Area H. R.	Compensation paid by special land acqui. officer. (Rs.)	No. of the Gaothans.	Compensation paid by special land acqui. officer. (Ps.)
1.	1968-69	173-98	2,49,725-00	-	-
2.	1969-70	622-78	9,91,709-49	-	-
3.	1970-71	782-00	12,66,772-80	1	20,750-00
4.	1971-72	332-62	5,23,489-70	1	6,257-70
5.	1972-73	1,406-27	25,89,316-16	-	-
6.	1973-74	580-08	13,64,887-40	3	9,44,955-50
7.	1974-75	8,178-48	1,61,20,357-16	12	83,52,338-47
8.	1975-76	14,004-97	4,47,37,865-07	34	1,72,49,207-59
9.	1976-77	21-62	61,184-72	-	3,33,076-11
10.	1977-78	156-07	3,68,657-43	-	1,81,094-76
11.	1978-79	121-18	8,44,750-42	-	1,01,844-22
12.	1979-80	147-80	7,55,826-00	-	2,98,423-19
TOTAL :		26,527-85	6,43,03,524-20	51	2,75,42,856-54

Source : Ujjani Dam Division Office, Bhimanagar.

TABLE NO. III- 3 : Villagewise Information about the Land Acquisition and population (Madha & Karmala Taluka)

Sr. No.	District	Tahasil	Name of the village	Land Acquired H. R.	Land to be Acquired H. R.	Population
1.	Solapur	Madha	Ujjani	270-55	-	174
2.	"	"	Shiral	381-60	1-40	1257
3.	"	"	Foot Javalgaon	47-55	7-14	216
4.	"	"	Surli	578-40	17-14	736
5.	"	Karmala	Dhokari	663-15	-	594
6.	"	"	Bitargaon	1149-00	18-59	1261
7.	"	"	Sangvi	402-00	-	815
8.	"	"	Wangi	1474-31	191-44	4646
9.	"	"	Kandar	409-52	-	400
10.	"	"	Dahigaon	336-50	-	541
11.	"	"	Chikalthan	1548-17	20-00	2602
12.	"	"	Kugaon	905-87	-	859
13.	"	"	Undargaon	231-51	2-98	874
14.	"	"	Kettur	503-23	-	1260
15.	"	"	Pomalwadi	321-50	-	1489
16.	"	"	Khatgaon	439-70	-	693
17.	"	"	Govegaon	240-46	-	707
18.	"	"	Takali (R)	627-98	90-00	1375

Sr. No.	District	Tahasil	Name of the village	Land Acquired H. R.	Land to be Acquired H. P.	Populatio
19.	Solapur	Karmala	Kondhar Chincholi	710-00	39-00	921
20.	"	"	Katraj	172-98	14-00	533
21.	"	"	Parewadi	44-40	-	1213
22.	"	"	Kavitgaon	41-00	-	763
23.	"	"	Sogaon	849-00	90-00	1447
		2	23	13846		25376

Source : Office of the Bhima (Ujjani) Irrigation Project,
Bhimanagar.

The table No. III-3 gives further details about the submerged villages in Madha and Karmala taluka in Solapur District. The following observations can be made.

- 1) The total land of more than 13846 hectares were acquired in both Madha and Karmala talukas and the total affected population was 25376.
- 2) Out of four villages in Madha taluka the maximum land of 478.40 hectares of Surli village was acquired.
- 3) In Karmala taluka, out of 19 villages the maximum land acquired comes from Chikalthan village 1548 hectares, Wangi village 1474.31 hectares and Bitargaon village 1149 hectares.
- 4) According to size of population Shiral village in Madha Taluka (1257) and Wangi village (4646) and Chikalthan village (2602) in Karmala Taluka were badly affected.

3.2 REHABILITATION :

The lake formed due to construction of Ujjani Dam has been spread in three district viz. Solapur, Pune and Ahmednagar. Total submergence are of 29000 hectares and about 6918 hectares of land coming under canal construction, 51 villages have come under submergence. The ditrictwise break-up of villages under submergence are as under.

District	No. of villages under submergence	Area under submergence in hectares
Pune	25	12,000
Solapur	23	15,000
Ahmednagar	03	1,500
3	51	29,000

The list of the submerged villages in three districts of Solapur, Pune, Ahmednagar is given in the table No. III-4.

The submergence included the portion of Pune, Solapur Section of Central Railway (34.47 Km.) Pune-Solapur section of National Highway No. 9 (16 Km), portion of Ahmednagar-Vijapur Road of State Highway No. 32 (32 Km.) and trolly line portion (65 Km) of Walchand Industries Limited, Walchandnagar in Pune District.

TABLE NO. III-4 : Following is list of the submerged villages under Bhima (Ujjani) Irrigation Project.

Sr. No.	Name of the village	Taluka and District	Village population at the time of submerged
1)	Shiral	Madha (S)	1257
2)	Ujjani	Madha (S)	174
3)	Surli	Madha (S)	736
4)	Foot Javalgaon	Madha (S)	216
5)	Kandar	Karmala (S)	400
6)	Kavitgaon	Karmala (S)	763
7)	Sangvi	Karmala (S)	815
8)	Bitargaon	Karmala (S)	1261
9)	Dhokari	Karmala (S)	594
10)	Wangi	Karmala (S)	4646
11)	Dahigaon	Karmala (S)	541
12)	Chikalthan	Karmala (S)	2602
13)	Kugaon	Karmala (S)	859
14)	Sogaon	Karmala (S)	1447
15)	Undargaon + Ritewadi	Karmala (S)	874
16)	Govegaon	Karmala (S)	707
17)	Kettur	Karmala (S)	1260
18)	Parewadi	Karmala (S)	1213

Sr. No.	Name of the village	Taluka and District	Village population at the time of submerged
19)	Pomalwadi	Karmala (S)	1489
20)	Khatgaon	Karmala (S)	693
21)	Takali (R)	Karmala (S)	1375
22)	Kondar chincholi	Karmala (S)	921
23)	Katraj	Karmala (S)	533
24)	Taratgaon	Indapur (P)	170
25)	Kandalgaon	Indapur (P)	414
26)	Shaha	Indapur (P)	784
27)	Malwadi	Indapur (P)	1085
28)	Pimpri	Indapur (P)	312
29)	Sogaon	Indapur (P)	891
30)	Ajoti	Indapur (P)	684
31)	Takali	Indapur (P)	731
32)	Padasthal	Indapur (P)	431
33)	Shrisodi	Indapur (P)	446
34)	Kalthan	Indapur (P)	1440
35)	Kalashi	Indapur (P)	786
36)	Ganjewalan	Indapur (P)	536
37)	Agoti	Indapur (P)	1059
38)	Chandgaon	Indapur (P)	383

Sr. No.	Name of the village	Taluka and District	Village population at the time of submerged
39)	Palasdeo	Indapur (P)	4146
40)	Dalaji	Indapur (P)	2697
41)	Kumbhargaoon	Indapur (P)	745
42)	Bhigwan	Indapur (P)	4067
43)	Takrarwadi	Indapur (P)	748
44)	Diksal	Indapur (P)	753
45)	Khanote	Daund (P)	1545
46)	Rajegaon	Daund (P)	2263
47)	Nigaon	Daund (P)	169
48)	Watlji	Daund (P)	784
49)	Awatewadi	Karjat (A)	500
50)	Ganeshwadi	Karjat (A)	500
51)	Shimoore	Karjat (A)	1470

Source : Office of the Bhima (Ujjani) Irrigation Project
Bhimanagar.

The acquisition of the 51 villages coming under submergence already has been completed. Out of 51 villages resettlement of 50 villages is completed. The resettlement of remaining one village of Kavitgaon in Karmala Taluka Solapur District is in progress through Revenue Department as the work of acquisition of this village is already completed by this Department.

The civic amenities such as water supply, electrification, approach roads, schools, community buildings etc. are provided by the respective Zilla Parishad (Pune, Solapur,, Ahmednagar) and the progress is monitored by Revenue Department and it can be said that the rehabilitation work of Bhima (Ujjani) project is practically completed.

The rules regarding rehabilitation newly formed in the year 1976 are also not applicable to this project as the project has commenced prior to 1976. The allotment of alternate lands in the benefitted zone to project affected persons after taking lands from private negotiations vide Government Irrigation Department, Maharashtra Bombay's Marathi letter No. Rah-1086/2513/(246/86) Maj. Project (1) dated 7-10-1986. However the allotment of alternative lands in the benefitted zone to project affected persons in being done by Revenue authorities for government lands.

The break-up of Rehabilitation is as under Bhima (Ujjani)

Irrigation Project.

1. Total Nos. of project affected villages (with gone lands only)	..	80 villages
2. Rehabilitation of total villages to be done.	..	51 villages
3. Rehabilitation completed	..	50 villages
4. Total Nos. of Gaonths Rehabilitated (Pune - 34, Solapur - 69, & Nagar -3)	..	106 Gaonths
5. Nos. of project affected Houses and Population.		
Houses	..	10454 Nos.
Population	..	55915
6. The following civic amenities ^{are} is being provided to the resettlers in 106 a new Gaonths.		
a) Open Well	..	111 Nos.
b) Bore Well	..	172 Nos.
c) Water Supply Scheme	..	90 Nos.
d) School Building	..	450 Rooms.
e) Samaj Mandir	..	107 Nos.
f) Internal Road	..	219 Km.
g) Approach Road	..	303 Km.
h) C.D. Works	..	910 Nos.
i) Electrification	..	102 Nos.
j) Open gutters	..	171 Km.
k) Dafan Bhumi	..	35 Nos.
l) Latrins for Ladies	..	109 Nos.

TABLE NO. III-5 : Yearwise Expenditure Incurred on Land Acquisition and Rehabilitation.

Year	Budget Rs (in Lakhs)	% change	Actual Expen. on Land Acqui. & Re- habilitation Rs. (in lakhs)	% change
1970-71	164.16	100%	21.13	100%
1971-72	236.33	153.96	57.13	270.37
1972-73	412.18	251.08	198.93	941.45
1973-74	561.54	342.06	242.98	1149.92
1974-75	721.16	439.30	365.76	1730.99
1975-76	1403.52	854.97	726.60	11702-80
1976-77	1347.90	818.65	357.29	1690.91
1977-78	1337.50	836.68	123.34	583.71
1978-79	1364.79	831.37	41.10	194.51
1979-80	1856.38	1130.83	300.97	1424.37
1980-81	1500.05	913.77	169.30	801.23
1981-82	1304.91	794.90	33.31	157.64
1982-83	1956.83	1192.02	102.84	486.70
1983-84	1483.89	903.92	44.88	212.39
1984-85	2122.99	1293.21	44.57	210.93
1985-86	2238.81	1363.79	71.95	350.51
1986-87	1512.47	921.33	26.28	124.37
1987-88	2197.22	1338.46	235.24	1113.29
1988-89	2479.57	1510.45	63.03	298.29

Reference : A Note Book on Bhima (Ujjani) Irrigation project.
1988-89.

The Expenditure incurred at the end of March 1989 of Land Acquisition and Rehabilitation work was Rs. 3226.63 Lakhs.

The table Noe. III.5 shows the yearwise expenditure incurred on land acquisition and rehabilitation.