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GOVERNMENT OF MAHARASHTRA



**Study of the
Benefits Accrued by the Tribal People
From Waghed Irrigation Project of Nasik District
and
Surya Irrigation Project of Thane District**

BY

**Tribal Research & Training Institute,
Pune.**

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44 / 45

P R E F A C E

Irrigation projects are in general a blessing to the Nation. Such blessing, however, should not prove a curse to some unfortunate once who are displaced as a result. The present study is important as it tries to assess the extent of benefits accruing to the Scheduled Tribes from the command area of the Waghed Irrigation Project of Nasik District and Surya Irrigation Project of Thane District.

It is hoped the study would assist the planners.

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INTRODUCTION

In the meeting of the Heads of Departments, concerned with implementation of the Tribal Area Sub Plan, held on 1st July, 1977, Secretary to Government, Irrigation Department explained that they have two major Irrigation Projects in the Tribal Areas Sub Plan (Surya Project in Thane District and Waghad Project in Nashik District) and the major benefits of these projects would flow to tribals. This view was not accepted by the Tribal Development Department.

In view of this, the Government directed the Tribal Research and Training Institute to conduct a detailed survey regarding the proportion of ultimate tribal beneficiaries to the total No. of beneficiaries of these major Irrigation Projects to enable it to fix the quantum of debit to the Tribal Area Sub Plan of major Irrigation Schemes in case it is finally decided to debit State level schemes to Tribal Sub Plan.

Accordingly, the Tribal Research and Training Institute, Maharashtra State, Pune, took up a quick survey of the villages under command area of these projects. Necessary co-operation from the Irrigation Department, particularly superintending Engineer and Executive Engineer of these projects and Tahsildars of the concerned talukas were sought to collect villagewise information regarding major benefits of the

projects to the tribal people. The collection of detailed information was made with the help of a draft schedule. (Appendix II).

Scope of the Study

The primary object of the survey, therefore, is to find out the major beneficiaries and their total land under the command area of the projects.

There are number of aspects which need to be studied for understanding this situation. The following are some of the important aspects :-

- 1) Tribal and non-tribal population under command area of the project.
- 2) Tribal and non-tribal cultivators of Khatedars, their total land and size of their land holding under command area of the project.
- 3) Area under crops of the tribal and non-tribal Khatedars.

Waghad Irrigation Project of Nashik District

Waghad dam which forms a part of bigger upper Godawari Project, is situated near village Waged in Dindori Taluka of Nashik District. The work covers construction of a dam near the existing dam and construction of canals on both the sides. The gross command area of the Project is 26,160 acres and irrigable area is about 13,080 acres.

Tribal and non-tribal population under command area of the project

The project benefits 18 villages from Dindori Taluka. The details of population of these villages is given below :-

Table No. (1)

Tribal and non-tribal population in the village under command Area.

Sr.No.	Name of village	Population		Percentage of tribal population to total population.
		Total	Tribal	
1	2	3	4	5
<u>Villages in Tribal Sub Plan</u>				
1.	Waghad	632	549	87
2.	Nigdol	757	508	67
3.	Umrade Kh.	947	279	29
4.	Hatnore	813	192	24
5.	Nilwandi	989	330	33
6.	Palkhed	2314	831	36
7.	Korathe	1314	361	27
8.	Mohadi	5876	1259	21

1	2	3	4	5
9. Akrale		849	142	17
10. Janori		3631	1175	32
11. Ambe Dindori		1255	440	35
12. Umrale BK.		2161	691	32
13. Dindori		5520	1290	23
<u>Total</u>		27058	8047	29
<u>Villages outside Tribal Sub Plan</u>				
14. Walkhed		658	205	31
15. Kadwa Mhedungi		441	266	61
16. Awan Khed		989	245	25
17. Mhaluske		558	145	26
18. Pade		1190	415	35
<u>Total</u>		3836	1278	33
<u>Grand Total</u>		30894	9325	30

It is seen from the above table that the tribal population in the Sub Plan villages is 29% whereas the percentage of tribal population in all the 18 villages to be benefited comes to 30% only.

The Project envisages construction of two canals namely right bank canal and left bank canal. The length of the left bank canal is 15 Kilometres, and that of right bank canal 40 kilometres. The left bank canal is expected to irrigate about 3,320

Hectares of land and the right bank canal about 7,272 Hectares of land from the above 18 villages. The map of the Waghad Irrigation Project is enclosed at Appendix I. With a view to assess the actual benefits that may accrue to the tribals from these villages, detailed villagewise information was collected. Tribal and non-tribal beneficiary cultivators or Khatedars and their total land under command Area

The area of 4,996 gats covered under the Project is 12,661.93 hectares. Out of these 11,955.67 hectares belong to the non-tribals and 706.26 hectares belong to the tribals. Thus the percentage of the area held by the tribals in the command area is very meagre i.e. 5.6% only. The village-wise details of the Khatedars and their lands under the Project is given in Table No. 2.

Cultivators or Khatedars

It is seen from the table that 2900 Khatedars of 18 villages under command area of the waghad project will be benefited, of which 323 Khatedars are tribals and 2577 Khatedars are non-tribals. It shows that only 11% tribal Khatedars will be benefited by the Waghad Project. There is not even a single village under the command area where the Majority of the beneficiary Khatedar are tribals. In fact there are three village where there is not even a single tribal Khatedar who will be benefited by the irrigation project.

Cultivators and their land

The total land owned by 2900 Khatedars under the command area of the project is 12661.93 hectares of which only 706.26 hectares are owned by 323 tribal Khatedars and 11995.67 hectares by 2577 non-tribal Khatedars. Thus the land which will be benefited by the project and owned by the tribals is only 5.6% whereas the rest of the land i.e. 94% belonging to non-tribals, will be benefited.

The table also shows that the average land holding per tribal Khatedar is 2.19 hectares while it is 4.64 hectares among the non-tribal Khatedars under the command area of the project. It is also clear from Table No.3 that 65% of the tribal Khatedars who are to be benefited by the project have on an average land below 2 hectares. The above facts clearly reveal that the major benefit of this project goes to non-tribals. The villagewise details of the Khatedars and their land in tribal Sub Plan area and outside Tribal Sub Plan Area are given in Table No.3.

Table No.3 shows that 412.69 hectares of land in 13 Tribal Sub Plan villages and 293.57 hectares of land in 5 outside Tribal Sub Plan villages are held by 192 and 131 tribal Khatedars respectively. Thus the percentages of land held by the tribal Khatedars to the total land under command of the project in Tribal

Sub Plan villages and outside Tribal Sub Plan villages come to 4.5 and 8.2 respectively.

Area under crops

The total land held by the Tribal and non-tribal Khatedars under command of the project is not entirely under crops. Out of the total land of 12661.93 hectares, 11024.97 hectares are under crops which means that 87% land is under crops. It is presumed that the present total land under crops, will be benefited by the irrigation project. Table also shows that 632.98 hectares of land owned by the tribal Khatedars is under crops and will be benefited by the project. Thus, only 5% land which is owned by the tribals and is at present under crops will be benefited.

Summary

1. It is revealed from the study that out of the total 2900 Khatedars which will be benefited by this Project only 323 Khatedars i.e. 11% are tribals.

2. Out of the total land of 12,661.93 hectares owned by the above mentioned Khatedars, only 706.26 i.e. 5.6% hectares of land belong to the tribals. Out of this total of 12,661.93 hectares, an area of 11,024.97 hectares is cropped area. This includes 632.98 hectares i.e. 5.6% belonging to the tribals.

From the study it can be concluded that the benefit of the project in terms of Khatedars, total area held, and area under crops of the tribals is negligible and the major benefit goes to 94.3% non-tribal cultivators.

Only (3) villages namely Nighdol, Waghad, and Kadwa Mhalungi have more than 50% tribal population and remaining 15 villages have less than 50% tribal population. Out of these 18 villages 13 villages fall in Tribal Sub Plan area and 5 outside Tribal Sub Plan area.

Even if area approach is taken into account, it cannot be said that this project would benefit the tribal people in general as the tribal concentration itself in this area comes to only 30%.

It has been observed from this study that the benefits of this project would accrue to (13) villages of Sub Plan Area having (29%) Tribal population, the actual benefits to the cropped land belonging to the tribal people will be to the extent of 5.6% (2.9 in Tribal Sub Plan Area and 2.1 outside Tribal Sub Plan Area.).

Table No. 2

Village-wise distribution of beneficiaries and their land to be benefited under

Waghad Irrigation Project (District Nashik)

: Land under crop of hectares.

Sl. No.	Name of village	Total No. of Khatedars: Land held by them (Hectares)										Total
		Tribal	Non Tribal	Total	Tribal	Non Tribal	Total	Tribal	Non Tribal	Total	Tribal	
		3	4	5	6	7	8	9	10	11		
	Left Bank Canal											
1.	Waghad	12	9	21	31.01	80.70	111.71	28.89	26.72	55.61		
2.	Nigdol	29	32	61	48.43	81.36	129.79	46.87	80.06	126.93		
3.	Hetnore	27	156	183	43.29	645.96	689	32.42	631.51	663.93		
4.	Umrале Kh.	-	11	11	-	30.12	30.12	-	29.61	29.61		
5.	Walkhed	8	108	116	19.08	626.17	640.25	19.02	576.64	595.66		
6.	Kadwa Mahalungi	72	53	125	156.06	472.03	628.09	154.40	418.24	572.64		
7.	Awankhed	36	187	223	91.74	1126.77	1218.51	73.03	921.39	994.42		
8.	Mhalsuke	8	95	103	14.80	559.42	574.22	14.50	515.23	529.73		
9.	Pade	7	133	140	11.89	500.77	512.66	11.71	468.49	480.20		
	Sub Total	199	784	983	416.30	4118.30	4534.60	380.84	3667.89	4048.73		
	Percentage	20	80	100	9	91	100	9	91	100		

Right Bank Canal :

-2-

	1	2	3	4	5	6	7	8	9	10	11
10. Nilwandi	15	125	140	26.87	500.02	526.89	25.40	410.64	436.04		
11. Palkhed	23	175	198	17.78	978.36	996.14	15.55	838.12	853.67		
12. Korathe	2	112	114	23.98	617.49	641.47	11.12	521.43	532.55		
13. Mchadi	53	841	89.04	89.04	3271.53	3360.57	79.44	2859.47	2938.91		
14. Akrale	-	17	17	-	22.40	22.40	-	21.62	21.62		
15. Janori	9	108	117	13.66	301.92	315.58	13.42	287.56	300.98		
16. Ambe Dindori	1	22	23	0.12	72.35	72.47	0.12	70.71	70.83		
17. Umrade BK.	-	2	2	-	247.02	247.02	-	-	-		
18. Dindori	21	444	465	118.51	1826.28	1944.79	107.09	1714.55	1821.64		

10.

Sub Total	124	1993	1917	289.96	7837.37	8127.33	252.14	6724.10	6976.24
Percentage	6	94	100	4	96	100	4	96	100
Grand Total	323	2577	2900	706.26	11955.67	12661.93	632.98	10391.99	11024.91
Percentage	11	89	100	6	94	100	6	94	100

* Average size of landholding i) Tribal Khatedar 2.19

ii) Non-Tribal Khatedar 4.64

* Average size of land under crops : i) Tribal Khatedar 1.96

ii) Non-Tribal Khatedar 4.03

* Ratio of non-tribal to tribal beneficiaries : X 8:1

* Ratio of non-tribal land to tribal land benefited (Hectares) - 17 : 1

Table No.3

villagewise tribal Khatedars to be benefited
under wagad Irrigation Project and their size of land
holding

Sr. No.	Name of village	No. of tribal Khatedars to be benefited by project					Total
		Hectares					
		0.1:	1.1-2:	2.1-4 :	4.1 & : above:		
<u>Villages in Tribal Sub Plan</u>							
1.	Waghad	12	2	3	5	2	12
2.	Nigdol	29	16	5	5	3	29
3.	Umrале Kh.	-	-	-	-	-	-
4.	Hatnore	27	10	8	7	2	27
5.	Nilwandi	15	7	4	3	1	15
6.	Palkhed	23	18	4	1	-	23
7.	Korathe	2	1	-	-	1	2
8.	Mohadi	53	33	10	7	3	53
9.	Akrале	-	-	-	-	-	-
10.	Janori	9	4	2	3	-	9
11.	Ambe	1	1	-	-	-	1
12.	Umrале BK.	-	-	-	-	-	-
13.	Dindori	21	2	4	4	11	21
Sub Total		192	94	40	35	23	192
<u>Villages outside Tribal Sub Plan</u>							
14.	Walkhed	8	2	4	1	1	8
15.	Kadwa Mhalungi	72	28	14	17	13	72
16.	Awankhed	36	10	11	9	6	36
17.	Mhaluske	8	2	3	3	-	8
18.	Pade	7	2	1	4	-	7
Sub Total		131	44	33	34	20	131
Grand Total		323	138	73	69	43	323
Percentage			42.7	22.6	21.4	12.3	100.00

The Tribal Sub Plan and outside Tribal Sub Plan village wise distribution of beneficiaries and their land to be benefited under Waghad Irrigation Project (District Nashik)

Sr. Name of ; Total No. of Khatedars Area held by them in Hect. ; Area under crop in (Hect)

No. Village.	Total : Non Tribal			Tribal			Total			Total.
	3	4	5	6	7	8	9	10	11	
<u>Villages in Tribal Sub Plan</u>										
1. Waghad	12	9	21	31.01	80.70	111.71	28.89	26.72	55.61	
2. Nigdol	29	32	61	48.43	81.36	129.79	46.87	80.06	126.93	
3. Hatnore	27	156	183	43.29	645.96	689.25	32.42	631.51	663.93	
4. Umrале Kh.	-	11	11	-	30.12	30.12	.	29.61	29.61	
5. Nilwandi	15	125	140	26.87	500.02	526.89	25.40	410.64	436.04	
6. Palkhad	23	175	198	17.78	978.36	996.14	15.55	838.12	853.67	
7. Kotathe	2	112	114	23.98	617.49	641.47	11.12	521.43	532.55	
8. Mohadi	53	788	841	89.04	3271.53	3360.57	79.44	2859.47	2938.91	
9. Akrale	-	17	17	-	22.40	22.40	-	21.62	21.62	
10. Janori	9	108	117	13.66	301.92	315.58	13.42	287.56	300.98	
11. Ambe Dindori	4	22	23	0.12	72.35	72.47	0.12	70.71	70.83	
12. Umrале Bk.	-	2	2	-	247.02	247.02	-	-	-	
13. Dindori	21	444	465	118.51	1826.28	1944.79	107.09	1714.55	1821.64	
<u>Sub Total</u>	<u>192</u>	<u>2001</u>	<u>2193</u>	<u>412.69</u>	<u>8675.51</u>	<u>9088.20</u>	<u>360.32</u>	<u>7492.00</u>	<u>7852.32</u>	
Percentage	9	91	100	5	95	100	5	95	100	

1.	2	3	4	5	6	7	8	9	10	11
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Outside Tribal Sub Plan Area

1. Walkhed	8	108	116	19.08	621.17	640.25	19.02	576.64	595.66
2. Kadwa Mahal-72 ungi	53	125	156.06	472.03	628.09	154.40	418.24	572.64	
3. Awankhed	36	187	223	91.74	1126.77	1218.51	73.03	921.39	994.42
4. Mhalsuke	8	95	108	14.80	559.42	574.22	14.50	515.23	529.73
5. Pade	7	133	140	11.89	500.77	512.66	11.71	468.49	480.20

Sub Total	131	576	707	293.57	3280.16	3573.73	272.66	2899.99	3172.65
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Percentage	19	81	100	8	92	100	9	94	100
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Grand Total	323	2577	2900	706.26	11955.67	12661.93	632.98	10391.99	11024.97
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Percentage	11	89	100	6	94,	100	6	94	100
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APPENDIX II

Study of the benefits accrued by the tribal people from Waghad Irrigation

Project in Nasik District

Tribal Research and Training Institute, Maharashtra State, Pune.

Name of village : Taluka : District

Sr. No.	Name of land owner	Tribal/Non Tribal	Total land holding (Acres/hectares)	Land under cultivation (Acres/Hectares)	Land in hectares to benefited by project
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1	2	3	4	5	6
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Signature of Investigator

GOVERNMENT OF MAHARASHTRA

Study of the
Benefits Accrued by the Tribal People
From Surya Irrigation Project of Thane District.

BY
Tribal Research And Training Institute,
Pune.

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Surya River Irrigation Project

Surya River Project is one of the two major irrigation projects taken up in Tribal Sub Plan Area of Maharashtra State. The project comprises of construction of main storage Dam at village Dhamani in Jawhar Taluka of Thane District, pick up weir near village Kawadas about 9 kilometres downwards of the dam with left and right bank canals. The left bank canal is to be 32 kilometres in length. The right bank canal constitutes of four main parts viz. 1) Main canal 33.6 kms. 2) Palghar B.R.No.1 - 14.4 kilometres 3) Palghar B.R.No. 2-36. 9 kilometres 4) Dahanu B.R. - 9 kilometres. The total length of the right bank canal will run into 93.8 kilometres. The gross command area of the project is 25334 hectares while irrigable area is 12667 hectares. The cropped area is 23440 hectares. The revised cost of the project is Rs. 2573.57 lakhs which includes cost of hydro power generation work also.

Villages under Command Area

As per information supplied by the Executive Engineer, Surya Canal Division, Dahanu Road about this project, in all 62 villages and two wadis from

Jawhar, Dahanu and Palghar Talukas will be benefited under this project. 77 villages fall in Tribal Sub Plan Areas as shown below :-

Taluka	Total No. of villages	Villages in Sub Plan	Villages outside Tribal Sub Plan
1. Jawhar	2	2	-
2. Dahanu	41	41	-
3. Palghar	39	34	5
4. Total	82	77	5

It will be seen that out of 82 villages, 77 villages i.e. 94% fall in Tribal Sub Plan Area.

Tribal concentration in Command Area

As regards tribal concentration in these villages it is seen that 63 villages i.e. 77% villages are having more than 50% tribal concentration and remaining 19 villages i.e. 23% have less than 50% tribal concentration. Talukawise details are as follows:-

Taluka	Total No. of villages	Tribal concentration	
		More than 50%	Less than 50%
1. Jawhar	2	2	0
2. Dahanu	41	36	5
3. Palghar	39	25	14
Total	82	63	19

The details of villages with total and tribal population are given in Statement I.

Selection of the villages for sample study

Information relating to number of Khatedars, land held by each khatedar, cropped area of khatedars and actual area from each village that will be benefited are not available as command area survey work is still in progress. Efforts have been made to assess the benefits of the projects to the tribals by studying the position in general of a few sample villages. Out of 82 villages 31 villages (15 villages from Dahanu Taluka and 16 villages from Palghar Taluka) have been selected. Of the selected 31 villages, 7 villages are to be benefited by left bank canal and 24 villages by right bank canal. Thus the sample covers 32% villages to be benefited by left bank canal and 40% villages by right bank canal. Hence the sample can be said to be sizeable.

Khatedars

In 31 villages there are 2972 Khatedars with their total holdings of 6433-87 hectares. Out of these 2972 Khatedars, 1680 Khatedars are tribals and 1292 Khatedars are non-tribals. Thus the percentage of tribal Khatedars to total number of Khatedars in 31 villages is 57%. Villagewise position regarding the percentage of Khatedars in each of the 31 villages is given in Statement No.II.

Land holdings

The total held by all the 2972 khatedars from these villages is 6433-87 hectares, out of which 2870-66 hectares of land is held by tribal khatedars. Thus the percentage of land held by tribal khatedars to total land comes to 45%, while land held by non-tribals is 3563-21 hectares i.e. 55% of the total land. Details regarding land held by the tribal Khatedars in each village are given in Statement No.II.

Table also reveals that average size of holding of tribal khatedars in 31 sample villages comes to 1.71 hectares while that of non-tribals 2.76 hectares.

Cropped Area

All the land under command area is not cropped land. Out of the total land of 6433-87 hectares in 31 sample villages 5363-06 hectares of land is cropped. The percentage of cropped land to total land under command comes to 83%. Villagewise details of cropped land are given in Statement II.

To sum up it can be stated that the project will benefit 82 villages and two wadis. Out of these 82 villages, 77 villages fall in Tribal Sub Plan Area and only 5 villages are outside Tribal Sub Plan Area. Tribal concentration in 63 villages is more than 50% and in 19 villages it is less than 30%.

In absense of villagewise area that will actually be benefited it was proposed to assess the benefits by way of studying the sample villages on both left bank canal and right bank canals. Here it is presumed that all lands of sample villages will be benefited under the project. The study of sample villages reveales that 57% Khatedars will be tribal Khatedars and 43% Khatedars will be non-tribals.

Thus, when number of villages and Khatedars are considered, it can be said that the project does benefit majority of tribal villages and Khatedare.

But it is not the case when actual area or cropped area under command of the project is considered. Area held by tribal Khatedars in command area is only 45% while that held by non-tribals it is 33%. As regards cropped area the percentages for tribal Khatedare is 47% and that for non-tribal Khatedars it is 53%. The actual benefit to the cropped land of the tribal will be to the extent of 38.3% of the total land under command from 31 sample villages.

On the whole it can be concluded that project will benefit tribal Khatedare and people in general and tribal area in particular. However, it would be desirable to explore the possibility of bringing more tribal Khatedar and their lands under the project by deleting the non-tribal villages and area from its command for which there seems to be scope.

Statement I

Statement showing names of villages that will be benefited under Surya Project and their total and tribal population.

Sr. No.	Name of the village	Population		Percentage
		Total	Tribal	
1	2	3	4	5
<u>Jawhar Tahsil</u>				
1.	Kawadas	537	527	98%
2.	Therunde	555	533	96
Total		1092	1060	
<u>Dahenu Tahsil</u>				
1.	Veti	1773	820	64
2.	Varoti	513	350	68
3.	Vangarje	1126	1123	100
4.	Murbad	1115	1085	97
5.	Ghol	767	277	36
6.	Dhamatne	658	488	74
7.	Kolhan	293	-	-
8.	Tave	781	712	91
9.	Peth	353	42	12
10.	Chari	1065	1038	97
11.	Khaniv	751	734	98
12.	Sonale	366	366	100
13.	Waghadi	816	805	98
14.	Charoti	1691	1366	81
15.	Kasa Kh.	1286	797	62
16.	Bharad	396	396	100

1	2	3	4	5
17.	Sarani	720	693	96
18.	Nikawali	243	243	100
19.	Antriwali	1094	980	90
20.	Mhasad	201	198	99
21.	Urse	528	355	67
22.	Saye	328	328	100
23.	Dabhon	1409	1401	99
24.	Rankol	1681	1679	100
25.	Aine	561	551	98
26.	Covane	943	868	92
27.	Dabhale	683	671	98
28.	Khambale	320	318	99
29.	Vanai	1608	1567	97
30.	Vangaon	2632	1336	50.
31.	Vire	201	164	82
32.	Kolwali	1298	312	24
33.	Asawc	1967	1477	75
34.	Sawate	712	461	65
35.	Chari	232	148	64
36.	Agavan	1764	988	58
37.	Pale	1367	590	43
38.	Kotais	729	722	99
39.	Dehene	1436	908	69
40.	Sakhare	1166	1122	96
41.	Kapashi	642	466	73
Total		38240	29535	77

1	2	3	4	5
<u>Palghar Tahsil</u>				
1. Baraharpur	1110		1065	96
2. Naniwali	1279		497	39
3. Ambhethe	414		207	50
4. Akhegavan	274		274	100
5. Akoli	266		266	100
6. Rawate	372		339	91
7. Chinchare	389		389	100
8. Borasheti	738		621	84
9. Kirat	735		535	73
10. Lalonde	353		353	100
11. Nagzari	305		145	48
12. Chari Kh.	222		222	100
13. Gargaon	341		341	100
14. Khaniwade	422		422	100
15. Mahagaon	2840		2412	85
16. Newali	907		873	96
17. Shigaon	2834		2709	96
18. Khutad	276		272	99
19. Bhoisar	3514		1519	43
20. Betegaon	922		478	52
21. Saravali	1487		661	44
22. Man	647		451	70
23. Varangade	666		598	90
24. Kambalgaon	108		-	-
25. Panchali	1495		218	15
26. Tallale	362		278	77

1	2	3	4	5
27.	Padagle	1037	936	90
28.	Nandere	1199	918	77
29.	Kelgaon	1249	398	32
30.	Umbrali	2046	131	6
31.	Birwali	770	35	5
32.	Deckhop	1209	990	96
33.	Palghar	10354	1630	15
34.	Varoor	5486	907	36
35.	Morawali	D	D	
36.	Nawali	2505	962	38
37.	Sholawade	460	-	-
38.	Ambadi	241	-	-
39.	Kanare	943	731	78
Total		47797	23781	50

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Statement II

Statement showing number of Khatedars, area held and cropped area in 31 selected villages

Sr. No.	Name of village	Khatedar (Number)		Land held (Hectares)		Cropped Area (Hectares)		Remarks			
		Tribal	Non Tribal	Total	Tribal	Total	Tribal				
1	2	3	4	5	6	7	8	9	10	11	12
				Total	Total	Non Tribal	Total	Tribal	Non Tribal	Total	
<u>Dahanu Taluka</u>											
1.	Sarni	64	2	66	7.87	172.85	180.72	5.29	150.39		155.68
2.	Nikwel	45	-	45	96.44	-	96.44	90.98	-		90.98
3.	Urse	57	-	57	220.59	-	220.59	198.20	-		198.20
4.	Wangaon	71	79	150	43.95	231.17	275.12	41.31	222.79		264.10
5.	Govane	73	38	111	97.29	254.14	351.43	87.88	223.08		310.96
6.	Khambale	40	12	52	35.73	79.69	115.43	35.26	74.97		110.23
7.	Pale	104	200	304	95.87	422.13	518.00	95.76	365.87		461.63
8.	Dabhon	208	1	209	501.02	11.42	512.44	450.09	10.56		460.65
9.	Vize	21	10	31	15.84	25.37	41.21	15.59	24.31		39.90
10.	Aine	51	1	52	176.13	3.03	179.16	176.13	3.03		179.16
11.	Ambiwali	39	-	39	113.33	-	113.33	113.33	-		113.33

1	2	3	4	5	6	7	8	9	10	11	12
12. Mhasad	15	15	-	15	21.91	-	21.91	20.54	-	20.54	
13. Bharad	36	36	-	36	122.53	-	122.53	113.77	-	113.77	
14. Babbhale	79	39	39	118	77.39	260.06	337.45	70.45	244.31	314.76	
15. Rankol	146	1	1	147	398.94	0.11	399.05	355.30	0.11	355.41	
Total	1049	383	383	1432	2024.83	1459.98	3484.81	1869.88	1319.42	3189.30	

Palghar Taluka

16. Akoli	34	3	3	37	67.55	55.47	123.02	57.47	-	57.47	
17. Newali	26	109	109	135	26.18	234.03	260.21	24.05	213.01	237.06	
18. Negzari	45	9	9	54	15.93	167.40	183.33	15.16	156.23	171.39	
19. Umroli	5	251	251	256	4.95	273.59	278.54	4.82	245.89	250.71	
20. Shelwali	33	23	23	56	41.25	126.61	167.86	38.22	95.22	133.44	
21. Ambedhe	23	16	16	39	15.50	86.50	102.00	15.45	37.51	52.96	
22. Akhegevan	28	3	3	31	79.97	33.14	113.11	41.10	-	41.10	
23. Rawale	42	2	2	44	86.85	16.12	102.97	39.97	4.45	44.42	
24. Lalonde	38	30	30	68	67.59	194.44	262.03	61.16	43.33	109.49	
25. Khaniwade	36	10	10	46	92.99	99.98	192.97	59.58	42.61	101.99	
26. Kamari	95	62	62	157	92.25	260.92	353.17	77.54	234.00	311.54	

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1	2	3	4	5	6	7	8	9	10	11	12
27.	Ambadi	67	53	120	51.20	88.80	140.00	45.45	79.53	124.98	
28.	Chinchare	37	5	42	95.48	61.43	156.91	42.40	6.09	48.49	
29.	Panchali	6	164	170	4.80	195.92	200.72	4.02	181.80	185.82	
30.	Balegaon	44	84	128	39.31	107.86	147.17	36,245	102.92	139.37	
31.	Boisar	72	85	157	64.03	101.02	165.05	64.02	99.51	163.53	
Total		631	909	1540	854.83	2103.23	2949.06	626.66	1547.10	2173.76	
Grand Total		1680	1292	2972	2870.66	3563.22	6433.87	2496.54	2866.52	5363.06	
Percentage		57	43	100	45	55	100	47	53	100	

Statement II (A)

Statement showing number of Khatedars, Area held and cropped Area on 31 selected villages (Canalwise)

Sr. Name of No. village.	Khatedar (Number)		Land held (Hectates)		Cropped Area (Hectates)		Tribal		Non Tribal		Total
	Tribal	Non Tribal	Tribal	Non Tribal	Tribal	Non Tribal	Tribal	Non Tribal			
1	2	3	4	5	6	7	8	9	10	11	
<u>Left Bank Canal</u>											
<u>Palghar Taluka</u>											
1.	Akoli	34	3	37	67.55	55.47	123.02	57.47	-	57.47	
2.	Nagzari	45	9	54	15.93	167.40	183.33	15.16	156.23	171.39	
3.	Ambedhe	23	16	39	15.50	86.50	102.00	15.45	37.51	52.96	
4.	Akhegaon	28	3	31	79.97	33.14	113.11	41.10	-	41.10	
5.	Rawate	42	2	44	86.85	16.12	102.97	59.97	4.45	44.42	
6.	Lalonde	38	30	68	67.59	194.44	262.03	61.16	48.33	109.49	
7.	Chinchare	37	5	42	95.48	61.43	156.91	42.40	6.09	48.49	
Total		247	68	315	428.87	614.50	1043.37	272.71	252.61	525.32	

1 2 3 4 5 6 7 8 9 10 11

Right Bank Canal

Dahanu Taluka

1. Sarani	64	2	66	7.87	172.80	180.72	5.29	150.39	155.66
2. Nikwel	45	-	45	96.44	-	96.44	90.98	-	90.98
3. Urse	57	-	57	220.59	-	220.59	198.20	-	198.20
4. Wangson	71	79	150	43.95	231.17	275.12	41.31	222.78	264.09
5. Govane	73	38	111	97.29	254.14	351.43	87.88	223.08	310.96
6. Khambaie	40	12	52	35.73	79.69	115.43	35.26	74.97	110.23
7. Pale	104	200	304	95.87	422.13	518.00	95.76	365.88	461.64
8. Dabhon	208	1	209	501.02	11.42	512.44	450.00	10.56	460.65
9. Vire	21	10	31	15.84	25.37	41.21	15.59	24.31	39.90
10. Aine	51	1	52	176.13	3.03	179.16	176.13	3.03	179.16
11. Ambiwali	39	-	39	113.33	-	113.33	113.33	-	113.33
12. Masad	15	-	15	21.91	-	21.91	20.54	-	20.54
13. Bharad	36	-	36	122.53	-	122.53	113.77	-	113.77
14. Dahnale	79	39	118	77.39	260.06	337.45	70.45	244.31	314.76
15. Rankol	146	1	147	398.94	0.11	399.05	355.30	0.11	355.41
Total	1049	383	1432	2024.83	1454.98	3484.81	1869.88	1219.42	3180.30

	1	2	3	4	5	6	7	8	9	10	11
<u>Palghar Taluka</u>											
16. Newali	26	109	135	26.18	234.03	260.21	24.05	213.01	237.06		
17. Umroli	5	251	256	4.95	273.59	378.54	4.82	245.89	250.71		
18. Shelwale	33	23	56	41.25	136.61	167.86	38.22	95.22	133.44		
19. Khaniwade	36	10	46	92.99	99.98	192.97	59.38	42.61	101.99		
20. Kamare	95	62	157	92.25	260.92	353.17	77.54	234.00	311.54		
21. Ambadi	67	53	120	51.20	80.80	140.00	45.45	79.53	124.98		
22. Panchali	6	164	170	4.80	195.92	200.72	4.02	181.80	185.82		
23. Retegaon	44	84	128	39.31	107.86	147.17	36.45	102.92	139.37		
24. Beisar	72	85	157	64.03	101.02	165.05	64.02	99.51	163.53		
Total (Palghar)	384	841	1225	416.96	1488.73	1905.69	353.95	1294.49	1648.44		
<u>Total (Dahanu and Palghar)</u>											
	1433	1224	2657	2441.79	2948.71	5390.50	2223.83	2613.91	4837.74		
Grant Total left and right bank canal	1680	1292	2072	2870.66	3563.21	6433.87	2436.54	2866.52	5363.06		