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NATIONAL SAMPLE SURVEY ORGANISATION

एकतीसवां दौर

THIRTY FIRST ROUND

जुलाई 1976—जून 1977

JULY 1976—JUNE 1977

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TABLES WITH NOTES

ON

SOME VILLAGE LEVEL INFORMATION ON IRRIGATION

NOV. 1985

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DEPARTMENT OF STATISTICS

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NATIONAL SAMPLE SURVEY ORGANISATION

TABLES WITH NOTES  
ON  
SOME VILLAGE LEVEL INFORMATION ON IRRIGATION

NSS 31ST. ROUND : JULY 1976 - JUNE 1977

STATES, UNION TERRITORIES AND ALL INDIA

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NATIONAL SAMPLE SURVEY ORGANISATION

TABLES WITH NOTES

ON

SOME VILLAGE LEVEL INFORMATION ON IRRIGATION

NSS 31ST ROUND : JULY 1976 - JUNE 1977

Introduction

1.1 A comprehensive survey on performance of irrigation was carried out in the rural areas by the National Sample Survey Organisation (NSSO) in its 31st round survey operation during July 1976 to June 1977. Data on various items of information relating to irrigation were collected in this survey from a sample of villages, irrigation projects and households. Among the village level schedules of information canvassed was the village schedule 3.1 - General Information on Irrigation. The reference period for the survey data was the agricultural year July 1975 to June 1976.

1.2 Geographical coverage : The survey covered the whole of rural India except the States of Sikkim, Nagaland and Meghalaya and Union Territories of Chandigarh, Arunachal Pradesh, Andaman & Nicobar Islands, Mizoram, Lakshadweep and Dadra & Nagar Haveli. Two tehsils of district Surguja and four tehsils of district Bastar of Madhya Pradesh; three tehsils of district Chandrapur and one tehsil of district Amaravati of Maharashtra and Lakadh district of Jammu & Kashmir also did not come under the survey coverage.

1.3 Sampling design and sample size : Stratified sampling design with district (or portion of district) as stratum and village as the sampling unit was adopted for this survey. The list of 1971 census villages was used as sampling frame. For the Central Sample canvassed by the Field Operation Division of NSSO, a general sample of 8304 villages distributed all over the country coming under the geographical ~~xxxx~~ coverage was selected. A detailed note on sampling design and estimation procedure is given in appendix-II.

1.4 State participation : All the states and union territories included in the coverage of the survey participated in it by canvassing a sample of atleast full matching size called State Sample following identical concepts and definitions.

1.5 Concepts and definitions : Some important concepts and definitions adopted in the survey are given below.

1.51 Irrigation : Irrigation is the practice of purposely providing ~~x~~ land with water by artificial means for crop production.

1.52 Type of Irrigation. : Irrigation is broadly grouped into two categories namely flow irrigation and lift irrigation. When irrigation does not involve any use of power for lifting of water it is considered under flow type. Flow irrigation covers irrigation by canal, diversion scheme, tank etc. not involving any lifting of water. Irrigation from wells, tube wells, rivers, tanks etc. using some lifting arrangement constitutes lift irrigation.

1.53 Major, medium and minor irrigation projects : Irrigation ~~of~~ projects were classified into three categories namely major, medium and minor schemes for administrative convenience. Schemes estimated to cost above Rs. 5 crores were classified as major projects, those costing 25 lakhs to 5 crores were classified as medium projects and those costing less than Rs. 25 lakhs (Rs. 30 lakhs in hill areas) as minor projects. a/

1.54 Head of the distributory : Distributory is defined to be a Govt. canal for bringing water from an outlet for supplying it directly to the field channels for irrigation. Head of the distributory refers to the last point in the distributory at which the flow of water to the village is controlled by irrigation authorities.

1.6 This Report is based on the data collected in the village schedule 3.1 canvassed from the general sample of villages in the Central Sample of the different states and union territories. It presents information on availability of certain infra-structure facilities, number of minor irrigation works and particulars of canal irrigation from major and medium irrigation projects in the villages. Some summary results at state/union territory and all India levels are discussed in Section-II. The statistical tables are given in Appendix-I and Appendix-II presents a note on the sampling design and estimation procedure.

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a/ The current definitions are (i) major projects : projects having CCA of more than 10 thousand hectares, (ii) medium projects : projects having CCA of 2 to to 10 thousand hectares and (iii) minor projects : projects having CCA of less than 2 thousand hectares.

Section -II

Some Survey Findings

2.1 Some findings of the survey as observed for the different states/union territories and all India are given in this section.

2.2 Availability of certain facilities : About 22 percent of the villages in the country had all weather roads and about 16 percent had bus stand within their area limits. Whereas majority of the villages (58.44%) had primary schools, only a small proportion of villages (19.04%) had within them the post office facility. Primary health centres and hospitals were found only in about 4 and 2 percent villages respectively. About 15 percent of the villages were benefitting from the services of cooperative credit societies located within them. But commercial banks and regulated markets were found only in about 2 and 1 percent villages respectively.

2.21. Percentage of villages reporting all weather road within them was very high in Delhi (95.24%), Kerala (84.88%) and Pondicherry (78.52%); relatively high in Punjab (61.25%), Tamil Nadu (58.45%), Haryana (57.66%) and Goa, Daman & Diu (54.95%); low in Rajasthan (13.71%), Madhya Pradesh (10.51%), and Orissa (10.34%) and very low in Himachal Pradesh (4.43%).

2.22. In respect of proportion of villages with bus stand, Delhi stood apart with a large figure of about 95 percent. Quite large proportion of such villages was reported also in Pondicherry (58.31%), Goa, Daman & Diu (54.48%), Kerala (48.40%) and Tamil Nadu (42.25%). But villages with bus stand formed less than 10 percent of the villages in Madhya Pradesh, Uttar Pradesh, Himachal Pradesh and Tripura.

2.23. Proportion of villages with post office was the highest in Kerala (64.20%). Large proportion of such villages was observed also in Delhi (47.22%), Tamil Nadu (44.94%) and Andhra Pradesh (44.16%). In this respect Assam, Madhya Pradesh and Tripura recorded only less than 10 percent villages.

2.24. Villages with primary health centres were not very common in any State. Proportion of such villages was, however, sizeable in Goa-Daman & Diu (22.17%), Kerala (21.20%), Haryana (11.94%), Delhi (11.90%) and Punjab (10.45%). Not very small proportion of villages with hospitals was recorded only in Kerala (13.48%) and Goa, Daman & Diu (11.79%).

Table (A) : Percentage of villages having certain facilities within the village to total number of villages by type of facility.

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
s t a t e	all road	weather stand	bus office	post primary health Centre	hospital	primary school	co-opera-tive credit society	commercial bank	regula-ted market
Andhra Pradesh	31.06	24.81	44.16	4.58	4.31	78.17	34.10	2.58	1.78
Assam	27.89	11.08	7.21	5.14	3.13	58.82	3.49	0.31	0.16
Bihar	18.35	11.37	14.05	6.60	1.96	49.30	15.61	1.15	0.46
Gujarat	24.94	37.54	33.84	5.26	1.61	76.22	36.49	3.13	4.18
Haryana	57.66	29.57	38.18	11.94	4.93	88.32	43.53	11.19	3.26
Himachal Pradesh	4.43	6.45	12.86	2.60	0.84	28.98	12.28	1.48	0.70
Jammu & Kashmir	24.40	18.80	15.39	2.06	0.25	59.00	14.09	0.79	0.84
Karnataka	38.77	29.90	31.12	3.00	3.22	73.75	21.35	3.55	0.18
Kerala	84.88	43.40	64.20	21.02	13.48	80.52	40.44	23.60	2.69
Madhya Pradesh	10.51	6.66	8.53	2.58	0.97	57.80	3.58	0.52	0.56
Maharashtra	18.26	19.21	19.64	2.44	0.75	72.66	32.51	2.14	0.67
Manipur	38.03	16.84	12.20	7.41	0.00	70.36	1.37	0.45	7.63
Orissa	10.34	3.81	14.86	2.12	0.88	65.56	8.33	0.55	0.13
Punjab	61.25	27.96	29.13	10.45	3.88	84.22	54.46	4.57	2.65
Rajasthan	13.71	18.32	23.45	3.68	2.14	53.27	13.50	1.55	2.15
Tamil Nadu	58.45	42.25	44.94	5.42	3.13	80.83	34.67	4.94	1.40
Tripura	25.51	5.18	9.65	0.80	0.18	31.43	4.05	0.14	2.92
Uttar Pradesh	17.23	6.81	16.24	5.13	1.34	46.50	5.38	0.80	0.69
West Bengal	29.66	23.88	12.73	3.03	0.68	50.65	9.77	1.05	0.31
Delhi	95.24	95.24	47.22	11.90	0.40	98.02	30.95	4.76	15.87
Goa, Daman & Diu	54.95	54.48	33.96	22.17	11.79	87.74	42.69	30.90	2.95
Pondicherry	78.52	58.31	26.09	7.42	5.37	82.35	8.44	2.30	0.51
All-India	22.06	15.62	19.04	4.37	1.80	58.44	15.13	1.76	0.91



2.25. Presence of a primary school was not rare for the villages all over the country. More than 80 percent of the villages reported primary schools within them in Punjab, Haryana, Delhi, Goa, Daman & Diu, Tamil Nadu, Kerala and Pondicherry. Percentage of villages reporting primary schools was relatively low in Bihar (49.30%), Uttar Pradesh (46.50%), Tripura (31.43%) and Himachal Pradesh (28.98%).

2.26. Villages with cooperative credit societies located in them formed a large proportion of the total villages in Punjab (54.46%), Haryana (43.53%), Goa, Daman & Diu (42.69%), and Kerala (40.44%). This proportion formed less than 5 percent in Assam, Manipur, Tripura and Madhya Pradesh and 5 to 10 percent in West Bengal, Orissa, Uttar Pradesh and Pondicherry. Commercial Bank was scarce in the rural scene. However, villages reporting this institution formed about 31 percent in Goa, Daman & Diu, 24 percent in Kerala and 11 percent in Haryana. The states of Assam, Manipur, Tripura, Orissa, Madhya Pradesh and Jammu & Kashmir reported less than 1 percent of villages with Commercial Bank. Largest proportion of villages with regulated market was reported in Delhi (15.87%) and the second largest in Manipur (7.63%).

2.3 Agency for supply of agricultural inputs: Villages with no agency for supply of agricultural inputs to the farming community formed about 10 percent for seed and pesticides and 8 percent for fertiliser inputs. Government agency was the main supplier for about 31 percent of the villages for seed, 24 percent of the villages for fertiliser and 28 percent of the villages for pesticides.

2.31. Proportion of villages having no agency for supply of seed to the farming community was about 47 percent in Delhi, 23 percent in Pondicherry and in the range of 11 to 18 percent in Assam, Manipur, Bihar, Maharashtra, Goa, Daman, Diu, Tamil Nadu, Karnataka and Kerala. Government agency as the main supplier of seed covered a larger proportion of villages in Tripura (83.84%), Himachal Pradesh (68.10%), Manipur (64.93%), Andhra Pradesh (53.85%), Goa, Daman & Diu (49.18%), Delhi (49.04%), Tamil Nadu (48.37%), Kerala (43.59%), Orissa (43.05%) and Bihar (41.49%).

2.32. Proportion of villages with no agency for supply of fertiliser formed about 48 percent in Delhi. This proportion was sizeable also in Bihar (16.38%), Assam (15.50%), Manipur (14.15%), Karnataka (13.56%) and Kerala (11.39%). Government agency was the main supplier for a larger proportion of villages only in Tripura (85.42%), Manipur (64.71%), Himachal Pradesh (51.18%), Andhra Pradesh (46.00%) and Delhi 38.22%).

Table (B): Percentage distribution of estimated number of villages over agencies for supply of seed, fertiliser and pesticides.

s t a t e	seed			fertiliser			pesticides		
	no govt. others		no ag- cy	no govt. others		no ag- cy	no govt. others		no ag- cy
	agen- cy	ag- ency		agen- cy	ag- ency		agen- cy	ag- ency	
(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Andhra Pradesh	7.75	53.85	38.40	7.81	46.00	46.19	7.77	42.30	49.93
Assam	15.50	17.81	66.61	15.50	19.42	65.08	15.54	19.18	65.28
Bihar	17.65	41.49	40.86	16.38	35.10	48.52	18.05	32.32	49.33
Gujarat	8.75	10.93	80.32	7.95	8.14	83.91	11.73	6.85	81.42
Haryana	6.33	36.58	57.09	6.08	25.01	68.91	8.74	31.94	59.32
Himachal Pradesh	8.34	68.10	23.56	8.00	51.18	40.82	12.75	66.76	20.49
Jammu & Kashmir	0.95	16.12	82.93	0.83	18.54	80.63	0.60	56.95	42.45
Karnataka	14.23	12.85	72.87	13.56	9.97	76.47	13.97	10.23	75.80
Kerala	17.45	43.59	38.96	11.39	22.31	66.30	12.20	26.22	61.58
Madhya Pradesh	6.22	21.80	71.98	4.95	16.43	78.62	7.78	22.91	69.31
Maharashtra	11.41	38.06	50.53	9.88	31.24	58.88	11.92	34.10	53.98
Manipur	14.15	64.93	20.92	14.15	64.71	21.14	14.15	68.28	17.57
Orissa	7.30	43.05	49.65	5.93	18.09	75.98	7.73	28.11	64.16
Punjab	21.57	13.23	65.20	9.92	6.69	83.39	22.15	8.45	69.40
Rajasthan	8.39	21.63	69.48	9.63	18.53	71.79	10.39	22.07	67.54
Tamil Nadu	11.00	48.37	40.63	4.82	17.15	78.03	6.84	39.02	54.14
Tripura	5.49	83.84	10.67	3.91	35.42	10.67	3.91	85.42	10.67
Uttar Pradesh	5.17	26.21	68.62	4.11	25.40	70.49	8.03	28.81	63.16
West Bengal	7.77	22.10	70.20	4.88	19.23	75.89	4.91	17.59	77.50
Delhi	47.49	49.04	3.47	47.49	38.22	14.29	49.42	45.95	4.63
Goa, Daman & Diu	11.24	49.18	39.58	0.23	25.53	74.24	9.13	51.29	39.58
Pondicherry	23.34	15.48	61.18	0.00	2.21	97.99	0.00	15.48	84.52
All-India	9.60	31.33	59.07	8.10	24.38	67.52	10.33	28.08	61.59

2.33. Proportion of villages having no agency for supply of pesticides formed about 49 percent in Delhi, 22 percent in Punjab, 18 percent in Bihar and 10 to 16 percent in Assam, Manipur, Himachal Pradesh, Rajasthan, Gujarat, Maharashtra, Karnataka and Kerala. Government agency as the main supplier of pesticides covered a larger proportion of villages than other agencies put together in Tripura (85.42%), Manipur (68.28%), Himachal Pradesh (66.76%), Jammu & Kashmir (56.95%), Goa, Daman & Diu (51.29%) and Delhi (45.95%).

2.4 Type of minor irrigation projects : Around 82 percent of the minor irrigation projects in rural India were lift irrigation works, 3 percent were flow irrigation schemes and 14 percent were irrigation wells not in use. Minor irrigation projects were mostly lift irrigation type in almost every state and union territory. Flow type irrigation works were more than lift type only in Jammu & Kashmir (94.65%) and Himachal Pradesh (62.82%). Flow type irrigation projects formed a sizeable proportion also in Tripura (45.48%), Assam (35.95%) and Manipur (34.96%). Irrigation wells not in use formed a sizeable proportion of minor irrigation projects in a number of states/union territories - 20 to 30 percent in Assam, Gujarat, Delhi and Pondicherry; 10 to 20 percent in Tamil Nadu, Andhra Pradesh, Karnataka, Madhya Pradesh, Maharashtra, Punjab, Rajasthan and Uttar Pradesh; 5 to 10 percent in Bihar and Haryana and less than 5 percent only in Himachal Pradesh, West Bengal, Orissa and Kerala.

2.5 Ownership of minor irrigation works : Most of the minor irrigation works in rural India were under private ownership, about 74 percent were owned singly and 21 percent were jointly owned by such agencies. Government agencies accounted for only about 5 percent of the total irrigation works. Prevalence of privately owned minor irrigation works was observed throughout the country. Whereas in most of the states and in all union territories, more of the minor irrigation works were singly owned by private agencies, in Assam and Rajasthan jointly owned irrigation works were more and in Himachal Pradesh these two types accounted for nearly equal number of projects. Minor irrigation projects owned by Government agencies accounted for not a small proportion in Tripura (19.32%), Bihar (13.94%), Himachal Pradesh (11.28%), Karnataka (8.98%), Andhra Pradesh (8.76%), Orissa (8.66%), Assam (7.50%), Uttar Pradesh (6.69%), West Bengal (6.08%) and Pondicherry (5.68%). Irrigation works owned by cooperative bodies formed sizeable proportion only in Assam (15.88%) and Jammu & Kashmir (12.33%).

Table (C) : Percentage distribution of estimated number of minor irrigation works located in the village by type of irrigation.

state/union territory	flow irrigation	lift irrigation	irrigation wells not in use	others	total
(0)	(1)	(2)	(3)	(4)	(5)
Andhra Pradesh	6.70	76.21	16.00	1.09	100.00
Assam	35.95	36.18	27.87	-	100.00
Bihar	4.27	88.29	7.44	-	100.00
Gujarat	0.07	77.18	22.63	0.12	100.00
Haryana	0.08	92.59	7.33	-	100.00
Himachal Pradesh	62.82	35.27	1.91	-	100.00
Jamru & Kashmir	94.65	5.35	-	-	100.00
Karnataka	7.64	78.93	11.40	2.03	100.00
Kerala	2.17	97.57	0.24	0.02	100.00
Madhya Pradesh	2.21	79.27	18.00	0.52	100.00
Maharashtra	2.65	74.85	19.54	2.96	100.00
Manipur	34.96	65.04	-	-	100.00
Orissa	8.21	88.82	2.97	-	100.00
Punjab	0.03	81.37	17.31	1.29	100.00
Rajasthan	0.78	76.26	19.84	3.12	100.00
Tamil Nadu	4.32	82.89	12.46	0.33	100.00
Tripura	45.48	54.52	-	-	100.00
Uttar Pradesh	0.76	81.35	17.54	0.35	100.00
West Bengal	2.05	97.46	0.49	-	100.00
Delhi	0.10	76.57	23.33	-	100.00
Goa, Daman & Diu	-	-	-	-	-
Pondicherry	1.47	72.78	25.75	-	100.00
All-India	2.81	82.05	14.19	0.95	100.00

Table (D) : Percentage distribution of estimated number of minor irrigation works located in the village by ownership type.

s t a t e	ownership type				
	govern- ment	co-opera- tive	private joint	private single	all
	(0)	(1)	(2)	(3)	(4)
Andhra Pradesh	8.76	0.26	27.65	63.33	100.00
Assam	7.50	15.88	48.75	27.87	100.00
Bihar	13.94	0.99	11.91	73.16	100.00
Gujarat	0.25	0.09	12.69	86.97	100.00
Haryana	1.62	0.09	32.92	65.37	100.00
Himachal Pradesh	11.28	1.00	43.76	43.96	100.00
Jammu & Kashmir	1.94	12.33	31.42	54.31	100.00
Karnataka	8.98	0.71	16.26	80.05	100.00
Kerala	1.29	0.07	0.07	98.57	100.00
Madhya Pradesh	4.80	0.15	10.02	85.03	100.00
Maharashtra	3.91	0.89	20.57	74.63	100.00
Manipur	-	-	37.39	62.61	100.00
Orissa	8.66	1.20	10.03	80.11	100.00
Punjab	0.97	0.03	21.48	27.52	100.00
Rajasthan	2.30	0.37	56.07	41.26	100.00
Tamil Nadu	4.50	0.14	30.32	65.04	100.00
Tripura	19.32	-	10.59	70.09	100.00
Uttar Pradesh	6.69	1.29	13.58	78.44	100.00
West Bengal	6.08	1.07	20.80	72.05	100.00
Delhi	1.74	0.10	26.25	71.21	100.00
Goa, Daman & Diu	-	-	-	-	-
Pondicherry	5.68	0.08	17.98	76.26	100.00
All-India	4.98	0.54	20.52	73.96	100.00

Appendix - I

List of the Tables and the Tables

A : Table Particulars

<u>table no.</u>	<u>description of the table</u>
0	Number of sample villages allotted and surveyed and estimated number of villages by state/union territory and all India.
1.	Percentage distributions of estimated number of villages reporting certain facilities over distance classes by item of facility.
2.	Percentage distributions of estimated number of villages over agencies for supply of seed, fertilizer and pesticides.
3.	Percentage distribution of estimated number of villages reporting area entitled to water from canals of major and medium irrigation projects and average command area per reporting village by distance class of head of the distributory from the village.
4.	Percentage distributions of estimated number of villages reporting (i) area entitled to water and (ii) area supplied with water from canals of major and medium irrigation projects and average area (i) entitled to water and (ii) supplied with water per reporting village by distance class of the head of the distributory from the village separately for seasons.
5.	Percentage distribution of estimated number of minor irrigation works located in the village over type of irrigation and ownership type.

contd.

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Table(0) : Number of sample villages allotted and surveyed and estimated number of villages by state/union territories and all India

General Sample

state/union territory	number of sample villages		estimated number of villages
	allotted	surveyed	
(0)	(1)	(2)	(3)
1. Andhra Pradesh	672	672	24413
2. Assam	456	456	23728
3. Bihar	712	712	77900
4. Gujarat	312	312	19376
5. Haryana	144	144	6126
6. Himachal Pradesh	248	248	19811
7. Jammu & Kashmir	440	440	6977
8. Karnataka	312	312	27145
9. Kerala	360	360	6518
10. Madhya Pradesh	640	640	76132
11. Maharashtra	528	528	44012
12. Manipur	120	120	1581
13. Orissa	304	304	55617
14. Punjab	344	342	12216
15. Rajasthan	360	360	37638
16. Tamil Nadu	672	672	22293
17. Tripura	120	111	5266
18. Uttar Pradesh	968	967	121666
19. West Bengal	488	488	51598
20. Delhi	24	24	262
21. Goa, Daman & Diu	40	40	422
22. Pondicherry	40	40	419
23. All India	8304	8292	641116



NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (1) : Percentage distributions of estimated number of villages reporting certain facilities over distance classes by item of facility

General sample item	distance class (k.m.)					26 & above	n.r.	total
	0	1-5	6-10	11-25	(5)			
(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	
1. all weather road	22.06	44.46	18.21	9.65	1.78	3.84	100.00	
2. bus stand	15.62	46.21	20.64	11.91	1.49	4.13	100.00	
3. railway station	0.80	14.39	16.63	27.96	35.56	4.66	100.00	
4. post office	19.04	62.47	10.53	3.64	0.25	4.07	100.00	
5. electrical sub station	2.05	22.43	22.76	32.28	15.15	5.33	100.00	
6. electrical goods shop	0.91	15.19	21.18	36.65	21.46	4.61	100.00	
7. repair shop of : (a) electr. equipments	0.77	12.16	18.99	35.93	27.48	4.67	100.00	
(b) pump sets	0.63	11.41	16.76	33.76	33.16	4.28	100.00	
(c) agr. machinery	2.90	11.84	15.97	32.76	32.17	4.36	100.00	
8. primary health centre	4.37	37.28	27.29	22.37	4.52	4.17	100.00	
9. hospital	1.80	20.40	22.77	30.35	20.65	4.03	100.00	
10. primary school	58.44	34.76	2.41	0.45	0.01	3.93	100.00	
11. middle school	14.98	59.41	13.99	4.89	1.02	5.71	100.00	
12. secondary school	4.85	43.79	24.01	19.52	3.70	4.13	100.00	
13. coop. credit society	15.13	38.57	18.66	16.04	5.24	6.36	100.00	
14. commercial bank	1.76	20.38	24.80	34.50	13.94	4.62	100.00	
15. nearest market : (a) regulated	0.91	11.79	16.95	30.82	26.60	12.93	100.00	
(b) unregulated	5.68	34.49	22.87	21.51	5.53	9.92	100.00	
(c) hat	6.58	43.90	19.20	9.99	2.44	17.89	100.00	

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (2) : Percentage distributions of estimated number of villages over agencies for supply of seed, fertiliser and pesticides

General sample agency	All-India		
	seed	fertiliser	pesticides
(0)	(1)	(2)	(3)
1. no agency	9.60	8.10	10.33
2. government	31.33	24.38	28.08
3. cooperative society	34.45	41.12	29.30
4. commercial	13.53	15.48	19.03
5. others	5.88	5.67	7.89
6. not recorded	5.21	5.25	5.37
7. total	100.00	100.00	100.00

(3)  
Table/: Percentage distribution of estimated number of villages reporting area entitled to water from canals of major and medium irrigation projects and average command area per reporting village by distance class of head of the distributery from the village

General sample distance class (k.m.)	all-India	
	percentage distribution of villages reporting area entitled to water	average command area (hect. 00) per reporting village
(0)	(1)	(2)
1. less than 1	7.12	1.97
2. 1 - 2	34.25	1.74
3. 3 - 4	17.81	1.73
4. 5 & above	38.32	3.02
5. n.r.	2.50	3.29
6. total	100.00	2.28

Amar.

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (4) : Percentage distributions of estimated number of villages reporting (i) area entitled to water and (ii) area supplied with water from canals of major and medium irrigation projects and average area (i) entitled to water and (ii) supplied with water per reporting village by distance class of the head of the distributory from the village

General sample		All-India		
distance class (k.m.)	percentage distribution of villages reporting area		average area entitled to water per reporting village (00 hectares)	average area supplied with water per reporting village (00 hectares)
	entitled to water	supplied with water	(3)	(4)
(0)	(1)	(2)	(3)	(4)
<u>Khharif</u>				
1. less than 1	7.05	7.26	1.09	0.94
2. 1 - 2	35.71	35.66	1.14	1.05
3. 3 - 4	17.98	19.03	0.96	0.76
4. 5 & above	37.21	35.79	1.98	1.31
5. n.r.	2.05	2.26	3.30	1.41
6. total	100.00	100.00	1.46	1.09
<u>Rabi</u>				
1. less than 1	7.27	7.50	1.02	0.93
2. 1 - 2	32.40	34.27	1.19	1.08
3. 3 - 4	18.65	12.27	0.86	1.02
4. 5 & above	38.86	42.62	1.80	1.26
5. n.r.	2.82	3.34	2.73	1.42
6. total	100.00	100.00	1.42	1.15
<u>Summer</u>				
1. less than 1	5.46	4.25	1.07	0.62
2. 1 - 2	30.07	31.26	0.56	0.37
3. 3 - 4	38.06	40.54	0.40	0.20
4. 5 & above	25.31	22.99	1.26	3.13
5. n.r.	1.01	0.96	0.80	0.50
6. total	100.00	100.00	0.70	0.95

Amar.

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (5) : Percentage distribution of estimated number of minor irrigation works located in the village over type of irrigation and ownership type

type of irrigation	General sample		all-India		
	ownership type				
	government	coopera- tive	private		all
(0)	(1)	(2)	joint	single	(5)
1. flow :					
(a) diversion scheme	0.10	0.04	0.12	0.08	0.34
(b) tank	1.49	0.07	0.11	0.29	1.96
(c) others	0.13	0.05	0.08	0.25	0.51
(d) all	1.72	0.16	0.31	0.62	2.81
2. lift :					
(a) well(katcha)	0.45	0.00	4.25	18.41	23.11
(b) well (pucca)	0.68	0.04	10.31	31.34	42.37
(c) tube well	0.29	0.14	1.90	9.81	12.14
(d) river	0.18	0.04	0.11	0.20	0.53
(e) tank	0.74	0.03	0.39	1.42	2.58
(f) others	0.16	0.02	0.11	1.03	1.32
(g) all	2.50	0.27	17.07	62.21	82.05
3. wells not in use :					
(a) with usable water	0.19	0.06	1.20	5.55	7.00
(b) with not usable water	0.01	-	0.56	1.88	2.45
(c) not with water	0.17		1.17	3.40	4.74
(d) all	0.37	0.06	2.93	10.83	14.19
4. others	0.39	0.05	0.21	0.30	0.95
5. total	4.98	0.54	20.52	73.96	100.00

Amar.

Table (1) : Percentage distribution of estimated number of villages reporting certain facilities over distance classes by item of facility

: Andhra Pradesh

i t e m	distance class (k.m.)					total
	0	1-5	6-10	11-25	26 & above	
(0)	(1)	(2)	(3)	(4)	(5)	(6)
1. all weather road	31.06	36.60	18.30	11.88	2.05	0.11
2. bus stand	24.81	51.17	9.82	7.72	6.37	0.11
3. railway station	0.67	15.24	8.58	32.87	42.49	0.15
4. post office	44.16	44.89	5.70	5.14	-	0.11
5. electrical sub station	1.77	10.05	15.37	33.34	37.36	2.11
6. electrical goods shop	0.59	9.35	16.15	35.69	36.79	1.43
7. repair shop of :						
(a) electr. equipments	0.33	7.28	15.69	33.41	42.48	0.81
(b) pump sets	0.47	6.98	14.21	31.73	46.50	0.11
(c) agr. machinery	0.33	6.62	13.87	32.44	46.63	0.11
8. primary health centre	4.58	17.03	27.49	37.29	13.50	0.11
9. hospital	4.31	15.85	22.34	37.49	19.85	0.16
10. primary school	78.17	15.26	1.75	4.64	-	0.18
11. middle school	16.70	50.69	19.36	7.96	5.13	0.16
12. secondary school	8.13	30.69	24.12	26.66	10.29	0.11
13. coop. credit society	34.10	27.85	11.44	12.41	13.13	1.07
14. commercial bank	2.58	13.60	24.98	27.38	28.67	0.79
15. nearest market :						
(a) regulated	1.78	21.59	18.65	37.56	20.19	0.23
(b) unregulated	13.86	29.03	21.52	22.30	11.76	1.53
(c) hat	6.15	20.44	27.41	18.68	18.09	9.23

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976-JUNE 1977

Table (2) : Percentage distributions of estimated number of villages over agencies for supply of seed, fertiliser and pesticides

General sample agency	seed	fertiliser	: Andhra Pradesh pesticides
(0)	(1)	(2)	(3)
1. no agency	7.75	7.81	7.77
2. government	53.85	46.00	42.30
3. cooperative society	2.93	7.75	5.19
4. commercial	28.11	31.62	37.27
5. others	6.80	6.26	6.91
6. not recorded	0.56	0.56	0.56
7. total	100.00	100.00	100.00

Table (3) : Percentage distribution of estimated number of villages reporting area entitled to water from canals of major and medium irrigation projects and average command area per reporting village by distance class of head of the distributory from the village

General sample distance class (k.m.)	percentage distribution of villages reporting area entitled to water	: Andhra Pradesh average command area (hect. 00) per reporting village
(0)	(1)	(2)
1. less than 1	5.70	3.81
2. 1 - 2	32.65	2.78
3. 3 - 4	11.25	5.92
4. 5 & above	44.70	3.62
5. n. r.	5.70	1.25
6. total	100.00	3.48

Amar.

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (4) : Percentage distributions of estimated number of villages reporting (i) area entitled to water and (ii) area supplied with water from canals of major and medium irrigation projects and average area (i) entitled to water and (ii) supplied with water per reporting village by distance class of the head of the distributory from the village

General sample		Andhra Pradesh		
distance class (k.m.)	percentage distribution of villages reporting area		average area entitled to water per reporting village (00 hectares)	average area supplied with water per reporting village (00 hectares)
	entitled to water	supplied with water		
(0)	(1)	(2)	(3)	(4)
<u>Khariif</u>				
1. less than 1	6.32	6.32	2.65	2.74
2. 1 - 2	26.73	26.73	2.62	2.51
3. 3 - 4	12.46	12.46	4.56	3.98
4. 5 & above	48.89	48.89	3.07	2.62
5. n.r.	5.60	5.60	1.34	1.51
6. total	100.00	100.00	3.01	2.71
<u>Rabi</u>				
1. less than 1	6.61	6.45	2.72	2.29
2. 1 - 2	39.27	38.28	1.80	1.84
3. 3 - 4	13.41	13.07	3.70	2.82
4. 5 & above	32.65	34.35	3.28	4.77
5. n.r.	8.06	7.85	0.00	0.51
6. total	100.00	100.00	2.54	2.90
<u>Summer</u>				
1. less than 1	-	-	-	-
2. 1 - 2	32.00	-	0.02	-
3. 3 - 4	-	-	-	-
4. 5 & above	-	100.00	-	36.36
5. n.r.	68.00	-	1.35	-
6. total	100.00	100.00	0.92	36.36

Amar.

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (5) : Percentage distribution of estimated number of minor irrigation works located in the village over type of irrigation and ownership type

General sample		Andhra Pradesh				
type of irrigation	(0)	ownership type				
		government	coopera- tive	private		all
				joint	single	
	(1)	(2)	(3)	(4)	(5)	
1. flow :						
(a) diversion scheme	0.12	0.04	0.01	-	0.17	
(b) tank	4.63	0.12	0.39	0.43	5.57	
(c) others	0.51	0.06	0.07	0.32	0.96	
(d) all	5.26	0.22	0.47	0.75	6.70	
2. lift :						
(a) well (katcha)	1.03	-	13.48	29.34	43.85	
(b) well (pucca)	0.53	-	8.45	16.95	25.93	
(c) tube well	0.04	0.00	0.64	4.39	5.07	
(d) river	0.06	0.01	0.03	0.24	0.34	
(e) tank	0.60	0.02	0.15	0.09	0.86	
(f) others	0.09	0.01	-	0.06	0.16	
(g) all	2.35	0.04	22.75	51.07	76.21	
3. wells not in use :						
(a) with usable water	0.65	-	1.14	5.19	6.98	
(b) with not usable water	0.00	-	0.43	1.59	2.02	
(c) not with water	0.03	-	2.53	4.44	7.00	
(d) all	0.68	-	4.10	11.22	16.00	
4. others	0.47	-	0.33	0.29	1.09	
5. total	8.76	0.26	27.65	63.33	100.00	

Amar.



NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (1) : Percentage distributions of estimated number of villages reporting certain facilities over distance classes by item of facility

General Sample	distance class (k.m.)						total
	0	1-5	6-10	11-25	26 & above	n.r.	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. all weather road	27.89	45.36	10.40	8.90	2.23	5.22	100.00
2. bus stand	11.08	51.37	19.54	10.07	1.24	6.70	100.00
3. railway station	0.66	19.29	21.69	25.56	27.04	5.76	"
4. post office	7.21	69.63	13.51	3.66	0.77	5.22	"
5. electrical sub-station	1.15	15.56	22.89	34.74	18.86	6.80	"
6. electrical goods shop	0.41	9.04	24.41	39.14	21.41	5.59	"
7. repair shop of :							
(a) electr. equipments	0.37	7.10	23.45	38.95	24.58	5.55	"
(b) pump sets	0.13	6.13	20.57	34.87	32.90	5.40	"
(c) agr. machinery	-	4.77	21.43	34.25	34.06	5.49	"
8. primary health centre	5.14	36.09	31.62	17.49	4.22	5.44	"
9. hospital	3.13	15.67	24.65	27.11	23.55	5.89	"
10. primary school	58.82	32.59	3.27	-	-	5.32	"
11. middle school	13.55	62.56	10.20	7.23	0.84	5.62	"
12. secondary school	4.03	44.19	25.00	17.48	2.44	6.86	"
13. coop. credit society	3.49	26.90	23.22	24.59	12.91	8.89	"
14. commercial bank	0.31	11.83	24.90	39.34	15.71	7.91	"
15. nearest market :							
(a) regulated	0.16	1.86	1.78	0.38	0.28	95.54	"
(b) unregulated	1.24	28.43	17.63	12.96	1.54	38.20	"
(c) hat	8.23	59.74	18.06	5.87	0.14	7.96	100.00

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (2) : Percentage distributions of estimated number of villages over agencies for supply of seeds, fertiliser and pesticides

General sample		Assam		
agency		seed	fertiliser	pesticides
(0)		(1)	(2)	(3)
1.	no agency	15.58	15.50	15.54
2.	government	17.81	19.42	19.18
3.	coöperative society	21.96	20.97	20.34
4.	commercial	10.16	9.85	10.50
5.	others	25.14	24.80	24.84
6.	not recorded	9.35	9.46	9.60
7.	t o t a l	100.00	100.00	100.00

Table (3) : Percentage distribution of estimated number of villages reporting area entitled to water from canals of major and medium irrigation projects and average command area per reporting village by distance class of head of the distributory from the village

General sample		Assam	
distance class (k.m.)	percentage distribution of villages reporting area entitled to water	average command area (hect. 00) per reporting village	
(0)	(1)	(2)	
1. less than 1	76.39	1.04	
2. 1 - 2	-	-	
3. 3 - 4	-	-	
4. 5 & above	23.61	1.76	
5. not recorded	-	-	
6. t o t a l	100.00	1.21	

tkb/

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (4) : Percentage distributions of estimated number of villages reporting (i) area entitled to water and (ii) area supplied with water from canals of major and medium irrigation projects and average area (i) entitled to water and (ii) supplied with water per reporting village by distance class of the head of the distributory from the village

General sample		Assam		
distance class (k.m.)	percentage distribution of villages reporting area		average area enti- tled to water per reporting village (00 hectares)	average area sup- plied with water per reporting village (00hectares)
	entitled to water	supplied with water	(3)	(4)
(0)	(1)	(2)	(3)	(4)
<u>Kharif</u>				
1. less than 1	76.39	76.39	0.47	0.47
2. 1 - 2	-	-	-	-
3. 3 - 4	-	-	-	-
4. 5 & above	23.61	23.61	1.65	1.76
5. not recorded	-	-	-	-
6. total	100.00	100.00	0.75	0.78
<u>Rabi</u>				
1. less than 1	100.00	100.00	3.00	3.00
2. 1 - 2	-	-	-	-
3. 3 - 4	-	-	-	-
4. 5 & above	-	-	-	-
5. not recorded	-	-	-	-
6. total	100.00	100.00	3.00	3.00

tkb/

Table (5) : Percentage distribution of estimated number of minor irrigation works located in the village over type of irrigation and ownership type

General sample		Assam				
type of irrigation	(0)	ownership type			all	
		govern- ment	coopera- tive	private joint      single		
	(1)	(2)	(3)	(4)	(5)	
1. flow :						
(a) diversion scheme	-	15.88	9.63	-	25.51	
(b) tank	-	-	-	-	-	
(c) others	5.22	-	5.22	-	10.44	
(d) all	5.22	15.88	14.85	-	35.95	
2. lift :						
(a) well (katcha)	-	-	-	-	-	
(b) well (pucca)	-	-	33.90	-	33.90	
(c) tube well	-	-	-	-	-	
(d) river	2.28	-	-	-	2.28	
(e) tank	-	-	-	-	-	
(f) others	-	-	-	-	-	
(g) all	2.28	-	33.90	-	36.18	
3. wells						
not in use :						
(a) with usable water	-	-	-	9.93	9.93	
(b) with not usable water	-	-	-	17.94	17.94	
(c) not with water	-	-	-	-	-	
(d) all	-	-	-	27.87	27.87	
4. others :	-	-	-	-	-	
5. total :	7.50	15.88	48.75	27.87	100.00	

tkb/

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (1) : Percentage distributions of estimated number of villages reporting certain facilities over distance classes by item of facility

Bihar

General sample	distance class (K.M.)						total
	0	1-5	6-10	11-25	26 & above	n.r	
(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. all weather road	18.35	43.61	19.90	12.26	0.75	5.13	100.00
2. bus stand	11.37	35.15	27.62	20.64	0.21	5.01	100.00
3. railway station	0.44	15.99	18.04	37.30	22.09	6.14	"
4. post office	14.05	63.58	16.16	0.98	0.22	5.01	"
5. electrical sub-station	1.37	21.86	21.92	37.15	12.61	5.09	"
6. electrical goods-shop	0.40	15.10	26.51	33.78	18.81	5.40	"
7. repair shop of							"
{ a } electr. equipments	0.31	13.26	20.66	35.21	25.58	4.98	"
{ b } pump sets	0.27	11.56	18.87	34.58	29.90	4.82	"
{ c } agr. machinery	0.54	7.29	18.15	41.98	26.47	5.57	"
8. primary health centre	6.60	47.59	24.06	14.65	2.10	5.00	"
9. hospital	1.96	27.11	28.43	29.44	8.15	4.91	"
10. primary school	49.30	38.98	6.60	0.30	-	4.82	"
11. middle school	15.26	65.90	12.33	1.69	-	4.82	"
12. secondary school	3.42	49.04	24.57	17.02	1.13	4.82	"
13. coop. credit society	15.61	33.28	15.84	23.04	4.78	7.45	"
14. commercial bank	1.15	19.32	27.21	36.76	9.66	5.90	"
15. nearest market :							"
{ a } regulated	0.46	7.11	11.70	36.43	26.70	17.60	"
{ b } unregulated	4.24	31.81	23.82	22.37	4.77	12.99	"
{ c } hat	8.52	51.92	20.06	6.20	0.21	13.09	100.00

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (2) : Percentage distributions of estimated number of villages over agencies for supply of seed, fertiliser and pesticides

General Sample		Bihar		
a g e n c y		seed	fertiliser	pesticides
(0)		(1)	(2)	(3)
1.	no agency	17.65	16.38	18.05
2.	government	41.49	35.10	32.32
3.	co-operative society	11.80	10.20	7.12
4.	commercial	11.92	15.94	15.75
5.	others	9.93	15.17	19.55
6.	not recorded	7.21	7.21	7.21
7.	t o t a l	100.00	100.00	100.00

Table (3) : Percentage distribution of estimated number of villages reporting area entitled to water from canals of major and medium irrigation projects and average command area per reporting village by distance class of head of the distributory from the village

General Sample		Bihar	
distance class (k.m.)	percentage distribution of villages reporting area entitled to water	average command area(hectares 00)	per reporting vill.
(0)	(1)	(2)	
1. less than 1	6.18	1.29	
2. 1 - 2	35.43	1.30	
3. 3 - 4	23.19	2.85	
4. 5 & above	35.20	5.04	
5. n.r.	-	-	
6. t o t a l	100.00	100.00	

tkb/

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (4) : Percentage distributions of estimated number of villages reporting (i) area entitled to water and (ii) area supplied with water from canals of major and medium irrigation projects and average area (i) entitled to water and (ii) supplied with water per reporting village by distance class of the head of the distributory from the village

General sample		BIHAR		
distance class (K.M.)	percentage distribution of villages reporting area		average area entitled to water per reporting village (00 hectares)	average area supp- lied with water per reporting village (00 hectares)
	entitled to water	supplied with water	(3)	(4)
(0)	(1)	(2)	(3)	(4)
<u>Kharif</u>				
1. less than 1	6.18	6.43	1.27	1.29
2. 1 - 2	35.43	36.98	1.12	2.40
3. 3 - 4	23.19	22.48	1.72	1.41
4. 5 & above	35.20	34.11	3.39	2.47
5. not recorded	-	-	-	-
6. total	100.00	100.00	2.07	2.13
<u>Rabi</u>				
1. less than 1	6.78	1.13	0.31	0.06
2. 1 - 2	40.61	40.39	1.12	2.50
3. 3 - 4	29.36	26.30	0.72	0.48
4. 5 & above	23.25	32.18	0.33	0.71
5. not recorded	-	-	-	-
6. total	100.00	100.00	0.76	1.36
<u>Summer</u>				
1. less than 1	-	-	-	-
2. 1 - 2	35.42	-	0.51	-
3. 3 - 4	51.38	-	0.72	-
4. 5 & above	13.30	-	1.59	-
5. not recorded	-	-	-	-
6. total	100.00	-	0.76	-

Table (5) : Percentage distribution of estimated number of **minor** irrigation works located in the village over type of irrigation and ownership type

General Sample

Bihar

type of irrigation	ownership type				
	govern- ment	coopera- -tive	joint	single	all
(0)	(1)	(2)	(3)	(4)	(5)
1. flow :					
(a) diversion scheme	0.31	0.11	0.01	0.07	0.50
(b) tank	1.22	0.11	0.69	0.08	2.10
(c) others	0.25	0.02	0.40	1.00	1.67
(d) all	1.78	0.24	1.10	1.15	4.27
2. lift :					
(a) well (katcha)	2.75	0.01	2.46	19.86	25.08
(b) well (pucca)	5.36	0.22	2.94	20.60	29.12
(c) tube well	0.92	0.07	3.49	22.40	26.88
(d) river	1.09	0.14	0.00	0.17	1.40
(e) tank	0.88	0.11	0.58	0.77	2.34
(f) others	0.37	0.20	0.41	2.49	3.47
(g) all	11.37	0.75	9.88	66.29	88.29
3. wells not in use					
(a) with usable water	0.52		0.80	3.59	4.91
(b) with not usable water	0.01		0.06	1.15	1.22
(c) not with water	0.26		0.07	0.98	1.31
(d) all	0.79		0.93	5.72	7.44
4. total	13.94	0.99	11.91	73.16	100.00

tkb/



NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (1) : Percentage distributions of estimated number of villages reporting certain facilities over distance classes by item of facility

General Sample

Gujarat

i t e m	distance class (k.m.)							total
	0	1 - 5	6 - 10	11 - 25	26. & above	n.r.	(7)	
(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	
1. all weather road	24.94	39.55	14.22	7.30	2.44	11.55	100.00	
2. bus stand	37.54	36.82	8.46	5.63	-	11.55	100.00	
3. railway station	3.38	20.02	16.68	29.65	18.72	11.55	100.00	
4. post office	33.84	44.43	7.78	1.91	0.49	11.55	100.00	
5. electrical sub station	2.12	9.83	19.22	40.41	15.20	13.22	100.00	
6. electrical goods shop	1.95	12.42	19.44	38.66	15.29	12.24	100.00	
7. repair shop of :								
(a) electr. equipments	0.86	10.92	19.51	39.36	17.31	12.04	100.00	
(b) pump sets	0.78	9.91	16.72	40.18	20.48	11.93	100.00	
(c) agr. machinery	0.75	9.35	18.06	39.52	20.39	11.93	100.00	
8. primary health. centre	5.26	27.92	23.85	24.24	6.78	11.95	100.00	
9. hospital	1.61	11.24	24.76	34.80	16.04	11.55	100.00	
10. primary school	76.22	9.54	2.51	0.18	-	11.55	100.00	
11. middle school	20.29	37.13	15.24	13.77	2.02	11.55	100.00	
12. secondary school	5.52	36.50	19.73	20.02	6.68	11.55	100.00	
13. coop. credit society	36.49	29.63	9.24	11.68	0.96	12.00	100.00	
14. commercial bank	3.13	26.60	22.99	26.16	9.57	11.55	100.00	
15. nearest market :								
(a) regulated	4.48	20.06	17.00	34.86	11.98	11.92	100.00	
(b) unregulated	12.25	16.79	17.62	28.23	7.90	17.21	100.00	
(c) hat	4.48	11.75	8.91	17.66	8.61	48.59	100.00	

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976-June 1977

Table (2) : Percentage distributions of estimated number of villages over agencies for supply of seed, fertiliser and pesticides

General sample		Gujarat		
agency	seed	fertiliser	pesticides	
(0)	(1)	(2)	(3)	
1. no agency	8.75	7.95	11.73	
2. government	10.93	8.14	6.85	
3. cooperative society	48.11	53.77	40.65	
4. commercial	15.47	13.92	21.74	
5. others	4.64	4.12	6.93	
6. not recorded	12.10	12.10	12.10	
7. total	100.00	100.00	100.00	

Table (3) : Percentage distribution of estimated number of villages reporting area entitled to water from canals of major and medium irrigation projects and average command area per reporting village by distance class of head of the distributory from the village

General sample		Gujarat	
distance	percentage distribution of villages reporting area entitled to water	average command area (hect.00) per reporting village	
(0)	(1)	(2)	
1. less than 1	1.04	7.59	
2. 1 - 2	47.20	2.98	
3. 3 - 4	11.59	1.86	
4. 5 and above	37.70	1.68	
5. n. r.	2.47	3.37	
6. total	100.00	2.42	

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NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976-JUNE 1977

Table (4) : Percentage distributions of estimated number of villages reporting (i) area entitled to water and (ii) area supplied with water from canals of major and medium irrigation projects and average area (i) entitled to water and (ii) supplied with water per reporting village by distance class of the head of the distributory from the village

General sample		Gujarat			
distance		percentage distribution of villages reporting area		average area entitled to water per reporting village (00 hectares)	average area supplied with water per reporting village (00 hectares)
		entitled to water	supplied with water	(3)	(4)
(0)		(1)	(2)	(3)	(4)
<u>Kharif</u>					
1. less than	1	1.18	1.19	7.50	0.45
2. 1 -	2	45.85	43.88	1.12	1.14
3. 3 -	4	10.27	10.35	0.28	0.28
4. 5 & above		39.92	41.78	0.52	0.50
5. n. r.		2.78	2.80	1.77	1.77
6. total		100.00	100.00	0.89	0.79
<u>Rabi</u>					
1. less than	1	1.11	1.11	7.50	0.45
2. -	2	45.45	45.45	0.87	0.79
3. 3 -	4	12.27	12.27	0.70	0.70
4. 5 & above		38.56	38.56	0.63	0.60
5. n. r.		2.61	2.61	1.10	1.10
6. total		100.00	100.00	0.84	0.71
<u>Summer</u>					
1. less than	1	-	-	-	-
2. 1 -	2	41.58	41.58	0.49	0.34
3. 3 -	4	3.35	3.35	0.15	0.15
4. 5 & above		55.07	55.07	0.23	0.23
5. n. r.		-	-	-	-
6. total		100.00	100.00	0.33	0.27

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (5) : Percentage distribution of estimated number of minor irrigation works located in the village over type of irrigation and ownership type

General sample		Gujarat			
type of irrigation (0)	government (1)	coopera- tive (2)	ownership type		a l l (5)
			private		
			joint (3)	single (4)	
1. flow : (a) diversion scheme	0.01	0.01	-	-	0.02
2. (b) tank	0.01	-	-	-	0.01
(c) others	0.00	0.04	-	0.00	0.04
(d) all	0.02	0.05	-	0.00	0.07
2. lift : (a) well (katcha)	0.01	-	1.86	24.28	26.15
(b) well (pucca)	0.07	-	8.14	41.69	49.90
(c) tube well	0.07	0.04	0.42	0.42	0.95
(d) river	0.01	-	0.01	0.13	0.15
(e) tank	0.01	-	-	0.02	0.03
(f) others	-	-	-	-	-
(g) all	0.17	0.04	10.43	66.54	77.18
3. well not in use : (a) with usable water	0.02	-	0.79	6.00	6.81
(b) with not usable water	0.03	-	0.30	4.95	5.28
(c) not with water	0.01	-	1.17	9.36	10.54
(d) all	0.06	-	2.26	20.31	22.63
4. others	-	-	-	0.12	0.12
5. total	0.25	0.09	12.69	86.97	100.00

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (1) : Percentage distributions of estimated number of villages reporting certain facilities over distance classes by item of facility

General sample i t e m	distance class (k.m.)						total
	0	1 - 5	6 - 10	11 - 25	26 & above	n.r.	
(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. all weather road	57.66	32.60	7.77	1.97	-	-	100.00
2. bus stand	29.57	54.03	11.64	4.76	-	-	100.00
3. railway station	3.58	26.54	13.52	38.48	16.94	0.94	100.00
4. post office	38.18	53.88	7.94	-	-	-	100.00
5. electrical sub station	4.89	28.98	34.57	31.56	-	-	100.00
6. electrical goods shop	4.00	24.31	29.59	40.61	0.96	0.50	100.00
7. repair shop of :							
(a) electr. equipments	4.37	24.95	24.98	40.62	3.55	1.53	100.00
(b) pump sets	4.37	23.01	27.06	42.01	3.55	-	100.00
(c) agr. machinery	4.37	22.94	26.29	43.39	3.01	-	100.00
8. primary health centre	11.94	33.51	34.40	19.31	0.84	-	100.00
9. hospital	4.93	28.56	25.33	33.26	7.40	0.52	100.00
10. primary school	88.22	9.77	1.19	-	-	0.82	100.00
11. middle school	33.81	57.75	6.56	1.38	-	0.50	100.00
12. secondary school	16.70	53.74	15.90	12.28	1.38	-	100.00
13. coop. credit society	43.53	37.44	11.69	7.15	-	0.19	100.00
14. commercial bank	11.19	30.78	27.55	28.71	1.53	0.24	100.00
15. nearest market :							
(a) regulated	3.26	23.78	29.89	40.33	2.74	-	100.00
(b) unregulated	10.70	20.30	20.81	20.50	-	27.69	100.00
(c) hat	14.65	8.51	9.99	7.22	2.24	57.39	100.00

## NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976-JUNE 1977

Table (2) : Percentage distributions of estimated number of villages over agencies for supply of seed, fertiliser and pesticides

Haryana			
agency	seed	fertiliser	pesticides
(0)	(1)	(2)	(3)
1. no agency	6.33	6.08	8.74
2. government	36.58	25.01	31.94
3. cooperative society	40.15	52.57	25.88
4. commercial	13.58	13.63	29.88
5. others	2.90	2.24	2.24
6. not recorded	0.46	0.47	1.32
7. total	100.00	100.00	100.00

Table (3) : Percentage distribution of estimated number of villages reporting area entitled to water from canals of major and medium irrigation projects and average command area per reporting village by distance class of head of the distributory from the village

Haryana		
distance	percentage distribution of villages reporting area entitled to water	average command area (hect.00) per reporting village
(0)	(1)	(2)
1. less than 1	5.00	2.74
2. 1 - 2	3.36	4.99
3. 3 - 4	8.86	4.86
4. 5 & above	70.05	6.71
5. n. r.	12.73	8.07
6. total	100.00	6.46

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976-JUNE 1977

Table (4) : Percentage distribution of estimated number of villages reporting (i) area entitled to water and (ii) area supplied with water from canals of major and medium irrigation projects and average area (i) entitled to water and (ii) supplied with water per reporting village by distance class of the head of the distributory from the village

Haryana				
distance class (km)	percentage distribution of villages reporting area		average area entitled to water per reporting village (00 hectares)	average area supplied with water per reporting village (00 hectares)
	entitled to water	supplied with water	(3)	(4)
(0)	(1)	(2)	(3)	(4)
<u>Kharif</u>				
1. less than 1	5.00	5.14	0.95	0.95
2. 1 - 2	3.36	3.46	2.61	2.61
3. 3 - 4	8.86	9.12	1.77	0.68
4. 5 & above	70.05	69.84	3.15	1.70
5. n. r.	12.73	12.44	7.65	2.65
6. total	100.00	100.00	3.48	1.72
<u>Rabi</u>				
1. less than 1	5.00	5.01	1.21	1.21
2. 1 - 2	3.36	18.37	3.36	3.23
3. 3 - 4	8.86	8.89	2.36	1.64
4. 5 & above	70.05	70.24	3.68	2.66
5. n. r.	12.73	12.49	7.75	3.58
6. total	100.00	100.00	3.95	2.63

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976-JUNE 1977

Table (5) : Percentage distribution of estimated number of minor irrigation works located in the village over type of irrigation and ownership type

Haryana

type of irrigation (0)	ownership type				a l l (5)
	govern- ment (1)	coopera- tive (2)	private		
			joint (3)	single (4)	
1. flow : (a) diversion scheme	0.02	-	-	-	0.02
(b) tank	-	-	0.04	-	0.04
(c) others	0.02	-	-	-	0.02
(d) all	0.04	-	0.04	-	0.08
2. lift : (a) well (katcha)	-	-	-	0.09	0.09
(b) well (pucca)	0.35	-	5.89	9.59	15.83
(c) tube well	1.19	0.09	24.08	49.21	74.57
(d) river	-	-	-	-	-
(e) tank	0.04	-	-	0.02	0.06
(f) others	-	-	0.68	1.36	2.04
(g) all	1.58	0.09	30.65	60.27	92.59
3. wells not in use : (a) with usable water	-	-	2.05	2.86	4.91
(b) with not usable water	-	-	0.17	2.16	2.33
(c) not with water	-	-	0.01	0.08	0.09
(d) all	-	-	2.23	5.10	7.33
4. total	1.62	0.09	32.92	65.37	100.00

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NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (1) : Percentage distributions of estimated number of villages reporting certain facilities over distance classes by item of facility

General Sample

Himachal Pradesh

i t e m	distance class (k.m.)						total
	0	1 - 5	6 - 10	11 - 25	26 & above	n.r.	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. all weather road	4.43	35.03	18.41	25.22	13.18	3.73	100.00
2. bus stand	6.45	38.41	21.92	18.26	10.96	4.00	100.00
3. railway station	1.06	6.06	5.25	9.28	74.44	3.91	100.00
4. post office	12.86	66.71	9.77	4.37	2.56	3.73	100.00
5. electrical sub station	2.28	32.67	14.69	34.02	9.10	7.24	100.00
6. electrical goods shop	0.68	15.41	15.43	44.04	20.61	3.83	100.00
7. repair shop of :							
(a) electric equipments	0.64	8.07	10.38	38.20	37.42	5.29	100.00
(b) pump sets	0.31	4.74	5.53	19.78	65.80	3.84	100.00
(c) agr. machinery	1.41	4.91	6.27	18.61	64.96	3.84	100.00
8. primary health centre	2.60	25.42	28.07	35.18	5.00	3.73	100.00
9. hospital	0.84	10.35	12.27	53.09	19.72	3.73	100.00
10. primary school	28.78	63.21	4.28	-	-	3.73	100.00
11. middle school	9.98	68.68	9.72	7.85	-	3.77	100.00
12. secondary school	2.62	38.49	19.87	29.31	5.98	3.73	100.00
13. coop. credit society	12.28	55.24	9.78	13.12	4.73	4.85	100.00
14. commercial bank	1.48	18.47	18.04	46.61	11.07	4.33	100.00
15. nearest market :							
(a) regulated	0.70	17.03	18.87	36.15	23.52	3.73	100.00
(b) unregulated	6.03	55.19	17.66	8.63	4.15	8.34	100.00
(c) hat	2.39	1.41	-	0.15	-	96.05	100.00

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table(2) : Percentage distributions of estimated number of villages over agencies for supply of seed, fertiliser and pesticides

General Sample a g e n c y (0)	Himachal Pradesh		
	seed	fertiliser	pesticides
	(1)	(2)	(3)
1. no agency	8.34	8.00	12.75
2. government	68.10	51.18	66.76
3. cooperative society	19.17	36.53	12.91
4. commercial	0.57	0.27	3.33
5. others	0.10	0.10	0.35
6. not recorded	3.72	3.92	3.90
7. t o t a l	100.00	100.00	100.00

Table (5) : Percentage distribution of estimated number of minor irrigation works located in the village over type of irrigation and ownership type

General Sample type of irrigation (0)	Himachal Pradesh ownership type				
	govern- ment	coope- rative	private		all
			joint	single	
(0)	(1)	(2)	(3)	(4)	(5)
1. flow : (a) diversion scheme	3.50	0.73	19.88	22.63	46.74
(b) tank	0.48				0.48
(c) others	3.86		9.90	1.84	15.60
(d) all	7.84	0.73	29.78	24.47	62.82
2. lift : (a) well (katcha)			1.55		1.55
(b) well (pucca)			0.17	0.76	0.93
(c) tube well	3.44	0.27	10.35	18.73	32.79
(d) river					
(e) tank					
(f) others					
(g) all	3.44	0.27	12.07	19.49	35.27
3. wells not in use : (a) with usable water			1.59		1.59
(b) with not usable water			0.32		0.32
(c) not with water					
(d) all			1.91		1.91
4. t o t a l	11.28	1.00	43.76	43.96	100.00

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (1) : Percentage distributions of estimated number of villages reporting certain facilities over distance classes by item of facility

Jammu & Kashmir

General Sample

i t e m	distance class (k.m.)						total	n.r.
	0	1 - 5	6 - 10	11 - 25	26 & above			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	
1. all weather road	24.40	43.40	13.59	6.57	11.84	0.20	100.00	
2. bus stand	18.80	46.55	11.55	10.06	12.84	0.20	100.00	
3. railway station	0.06	1.59	1.03	3.91	93.21	0.20	100.00	
4. post office	15.39	62.34	12.65	7.80	1.62	0.20	100.00	
5. electrical sub station	6.38	35.27	18.18	19.45	20.36	0.36	100.00	
6. electrical goods shop	2.12	17.08	19.18	35.79	25.63	0.20	100.00	
7. repair shop of :	0.64	11.64	15.39	39.06	25.33	7.94	100.00	
(a) electr. equipments	0.06	3.15	4.79	21.94	68.40	1.66	100.00	
(b) pump sets	4.00	8.25	7.19	22.66	57.70	0.20	100.00	
(c) agr. machinery	2.06	20.87	23.64	34.34	18.71	0.38	100.00	
8. primary health centre	0.25	1.65	7.03	24.65	66.22	0.20	100.00	
9. hospital	59.00	37.96	2.74	-	-	0.20	100.00	
10. primary school	16.48	67.70	14.24	1.24	0.14	0.20	100.00	
11. middle school	4.29	53.30	21.59	12.33	8.29	0.30	100.00	
12. secondary school	14.09	39.95	27.16	10.38	7.35	1.07	100.00	
13. co-operative credit society	0.79	16.38	22.67	38.77	20.74	0.65	100.00	
14. commercial bank								
15. nearest market :								
(a) regulated	0.84	10.30	14.27	25.74	5.68	43.17	100.00	
(b) unregulated	30.34	43.54	10.93	10.71	3.87	0.61	100.00	
(c) hat	0.20	1.39	4.95	7.78	32.85	52.83	100.00	

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (2) : Percentage distributions of estimated number of villages over agencies for supply of seed, fertiliser and pesticides

General Sample		Jammu & Kashmir		
a g e n c y		s e e d	fertiliser	pesticides
(0)		(1)	(2)	(3)
1.	no agency	0.95	0.83	0.60
2.	government	16.12	18.54	56.95
3.	co-operative society	82.35	80.05	40.36
4.	commercial	0.15	0.15	0.88
5.	others	0.16	0.16	0.73
6.	not recorded	0.27	0.27	0.48
7.	t o t a l	100.00	100.00	100.00

Table (3) : Percentage distribution of estimated number of villages reporting area entitled to water from canals of major and medium irrigation projects and average command area per reporting village by distance class of head of the distributory from the village

General Sample		Jammu & Kashmir	
distance class (k.m.)	percentage distribution of villages reporting area entitled to water	average command area (hect. 00) per reporting village	
(0)	(1)	(2)	
1. less than 1	12.41	2.00	
2. 1 - 2	66.42	0.32	
3. 3 - 4	-	-	
4. 5 & above	21.17	0.34	
5. n.r.	-	-	
6. t o t a l	100.00	0.53	

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (4) : Percentage distributions of estimated number of villages reporting (i) area entitled to water and (ii) area supplied with water from canals of major and medium irrigation projects and average area (i) entitled to water and (ii) supplied with water per reporting village by distance class of the head of the distributory from the village

General Sample		Jammu & Kashmir			
distance class (k.m.)	percentage distribution of villages reporting area		average area entitled to water per reporting village (00 hectares)	average area supplied with water per reporting village (00 hectares)	
	entitled to water	supplied with water	(3)	(4)	
(0)	(1)	(2)	(3)	(4)	
<u>Kharif</u>					
1. less than 1	12.41	12.41	1.65	1.65	
2. 1 - 2	66.42	66.42	0.27	0.23	
3. 3 - 4	-	-	-	-	
4. 5 & above	21.17	21.17	0.28	0.28	
5. n.r.	-	-	-	-	
6. t o t a l	100.00	100.00	0.45	0.42	
<u>Rabi</u>					
1. less than 1	12.41	12.41	1.53	1.53	
2. 1 - 2	66.42	66.42	0.31	0.27	
3. 3 - 4	-	-	-	-	
4. 5 & above	21.17	21.17	0.28	0.28	
5. n.r.	-	-	-	-	
6. t o t a l	100.00	100.00	0.45	0.43	

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (5) : Percentage distribution of estimated number of minor irrigation works located in the village over type of irrigation and ownership type

General Sample		Jammu & Kashmir			
type of irrigation	ownership type				
	govern- ment	co-ope- rative	private joint	single	a l l
(0)	(1)	(2)	(3)	(4)	(5)
1. flow : (a) diversion scheme		0.59	27.24	10.91	38.74
(b) tank	0.30				0.30
(c) others	0.81	11.35	4.18	39.27	55.61
(d) all	1.11	11.94	31.42	50.18	94.65
2. lift : (a) well (katcha)					
(b) well (pucca)	0.08			4.08	4.16
(c) tube well	0.09			0.05	0.14
(d) river	0.66	0.39			1.05
(e) tank					
(f) others					
(g) all	0.83	0.39		4.13	5.35
3. wells (a) with usable water not in (b) with not usable water use : (c) not with water (d) all					
4. t o t a l	1.94	12.33	31.42	54.31	100.00

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (1) : Percentage distributions of estimated number of villages reporting certain facilities over distance classes by item of facility

Karnataka

General Sample

i t e m	distance class (k.m.)						n.r.	total
	0	1 - 5	6 - 10	11 - 25	26 & above			
(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	
1. all weather road	38.77	36.96	9.04	1.20	7.30	6.73	100.00	
2. bus stand	29.90	44.52	9.38	2.68		13.52	100.00	
3. railway station	1.42	7.38	14.09	26.53	37.12	13.46	100.00	
4. post office	31.12	50.43	4.98	0.32	0.15	13.00	100.00	
5. electrical sub station	0.99	13.84	22.98	35.45	12.12	14.62	100.00	
6. electrical goods shop	0.35	14.86	20.93	35.48	15.28	13.10	100.00	
7. repair shop of :								
(a) electr. equipments	0.50	13.34	20.38	35.35	17.59	12.84	100.00	
(b) pump sets	0.54	10.43	18.41	37.83	19.56	13.23	100.00	
(c) agr. machinery	0.35	13.00	17.39	36.37	20.05	12.84	100.00	
8. primary health centre	3.00	32.36	27.14	21.84	2.82	12.84	100.00	
9. hospital	3.22	29.35	28.25	26.67	5.78	6.73	100.00	
10. primary school	73.75	13.41	6.79			6.05	100.00	
11. middle school	25.80	47.35	7.48	0.51	6.85	12.01	100.00	
12. secondary school	5.07	36.77	28.28	16.69	0.35	12.84	100.00	
13. co-op. credit society	21.35	40.64	16.34	7.48	1.35	12.84	100.00	
14. commercial bank	3.55	23.52	27.82	26.82	5.23	13.06	100.00	
15. nearest market :								
(a) regulated	0.18	4.84	14.52	35.71	31.56	13.19	100.00	
(b) unregulated	2.51	22.09	22.61	30.63	8.56	13.60	100.00	
(c) hat	10.80	35.41	31.85	13.21	1.63	7.10	100.00	

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (2) : Percentage distributions of estimated number of villages over agencies for supply of seed, fertiliser and pesticides

General Sample	Karnataka		
agency	seed	fertiliser	pesticides
(0)	(1)	(2)	(3)
1. no agency	14.28	13.56	13.97
2. government	12.85	9.97	10.23
3. co-operative society	48.46	51.18	45.99
4. commercial	8.52	9.66	13.74
5. others	2.12	1.86	2.30
6. not recorded	13.77	13.77	13.77
7. total	100.00	100.00	100.00

Table (3) : Percentage distribution of estimated number of villages reporting area entitled to water from canals of major and medium irrigation projects and average command area per reporting village by distance class of head of the distributory from the village

General Sample	Karnataka	
distance class (k.m.)	percentage distribution of villages reporting area entitled to water	average command area (hect. 00) per reporting village
(0)	(1)	(2)
1. less than 1	0.70	5.88
2. 1 - 2	32.06	0.77
3. 3 - 4	12.46	3.27
4. 5 & above	51.40	2.31
5. n.r.	3.38	0.98
6. total	100.00	1.91



NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976-JUNE 1977

Table(4) : Percentage distributions of estimated number of villages reporting (i) area entitled to water and (ii) area supplied with water from canals of major and medium irrigation projects and average area (i) entitled to water and (ii) supplied with water per reporting village by distance class of the head of the distributory from the village

General Sample

Karnataka

distance class (k.m.)	percentage distribution of villages reporting area		average area entitled to water per reporting village (00 hectares)	average area supplied with water per reporting village (00 hectares)
	entitled to water	supplied with water	(3)	(4)
(0)	(1)	(2)	(3)	(4)
<u>Kharif</u>				
1. less than 1	0.70	0.69	2.94	2.41
2. 1 - 2	32.06	31.75	0.52	0.50
3. 3 - 4	12.46	13.28	2.00	2.18
4. 5 & above	51.40	50.93	1.82	1.80
5. n.r.	3.38	3.35	0.84	0.84
6. t o t a l	100.00	100.00	1.40	1.42
<u>Rabi</u>				
1. less than 1	2.41	2.34	2.94	0.41
2. 1 - 2	2.27	2.20	4.69	5.50
3. 3 - 4	16.48	19.12	1.41	1.46
4. 5 & above	73.73	71.39	2.47	2.53
5. n.r.	5.11	4.95	1.89	1.89
6. t o t a l	100.00	100.00	2.33	2.31
<u>Summer</u>				
1. less than 1	-	-	-	-
2. 1 - 2	63.12	61.86	0.32	0.36
3. 3 - 4	1.40	3.36	3.69	3.95
4. 5 & above	28.26	27.70	5.98	5.84
5. n.r.	7.22	7.08	0.56	0.56
6. t o t a l	100.00	100.00	1.98	2.02

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976-JUNE 1977

Table(5) : Percentage distribution of estimated number of minor irrigation works located in the village over type of irrigation and ownership type

General Sample		Karnataka				
type of irrigation	(0)	ownership type				a l l (5)
		govern- ment (1)	co-ope- rative (2)	private		
				joint (3)	single (4)	
1. flow :	(a) diversion scheme	0.11	0.10	0.02	0.64	0.87
	(b) tank	5.98	0.27	-	0.11	6.36
	(c) others	0.04	0.15	0.04	0.18	0.41
	(d) all	6.13	0.52	0.06	0.93	7.64
2. lift :	(a) well (katcha)	0.13	-	3.98	35.92	40.03
	(b) well (pucca)	0.36	0.10	4.39	32.19	37.04
	(c) tube well	-	-	-	0.03	0.03
	(d) river	0.08	0.07	0.31	0.47	0.93
	(e) tank	0.63	0.02	-	0.05	0.70
	(f) others	0.04	-	0.02	0.14	0.20
	(g) all	1.24	0.19	8.70	68.80	78.93
3. wells	(a) with usable water	0.20	-	0.41	3.24	3.85
not in	(b) with not usable water	0.02	-	-	1.24	1.26
use :	(c) not with water	1.39	-	-	4.90	6.29
	(d) all	1.61	-	0.41	9.38	11.40
4. others		-	-	1.09	0.94	2.03
5. t o t a l		8.98	0.71	10.26	80.05	100.00

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (1) : Percentage distributions of estimated number of villages reporting certain facilities over distance classes by item of facility

General Sample	Kerala						total
	distance class (k.m.)						
item	0	1 - 5	6 - 10	11 - 25	26 & above	n.r.	
(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. all weather road	84.88	14.55	0.26	0.31			100.00
2. bus stand	48.40	27.13	11.94	12.31	0.14	0.08	100.00
3. railway station	2.44	18.27	16.53	40.42	22.34		100.00
4. post office	64.20	35.11	0.69				100.00
5. electrical sub station	1.43	8.75	20.34	49.89	19.30	0.29	100.00
6. electrical goods shop	9.99	35.74	30.55	21.80	1.92		100.00
7. repair shop of :							47
(a) electr. equipments	10.99	30.88	30.32	25.65	2.16		100.00
(b) pump sets	7.75	24.81	29.11	30.73	6.97	0.63	100.00
(c) agr. machinery	8.54	25.07	29.80	29.64	6.91	0.04	100.00
8. primary health centre	21.02	44.91	19.48	12.71	0.74	1.14	100.00
9. hospital	13.48	54.39	22.12	9.26	0.52	0.23	100.00
10. primary school	80.52	19.04	0.44				100.00
11. middle school	59.64	38.29	2.07				100.00
12. secondary school	32.94	60.40	4.73	1.93			100.00
13. co-op. credit society	40.44	51.05	6.78	1.73			100.00
14. commercial bank	23.60	52.29	17.13	6.69		0.29	100.00
15. nearest market :							
(a) regulated	2.69	2.03	4.94	8.86	14.69	66.79	100.00
(b) unregulated	33.04	44.87	9.62	9.00	0.08	3.39	100.00
(c) hat	33.73	40.18	13.57	6.54	3.16	2.82	100.00

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table(2) : Percentage distributions of estimated number of villages over agencies for supply of seed, fertiliser and pesticides

General Sample	Kerala		
agency	seed	fertiliser	pesticides
(0)	(1)	(2)	(3)
1. no agency	17.45	11.39	12.20
2. government	43.59	22.31	26.22
3. co-operative society	23.81	50.26	39.27
4. commercial	5.19	11.77	17.51
5. others	8.90	3.21	3.74
6. not recorded	1.06	1.06	1.06
7. total	100.00	100.00	100.00

Table (3) : Percentage distribution of estimated number of villages reporting area entitled to water from canals of major and medium irrigation projects and average command area per reporting village by distance class of head of the distributory from the village

General Sample	Kerala	
distance class (k.m.)	percentage distribution of villages reporting area entitled to water	average command area (hect. 00) per reporting village
(0)	(1)	(2)
1. less than 1	2.68	1.88
2. 1 - 2	4.02	1.46
3. 3 - 4	-	-
4. 5 & above	91.79	1.85
5. n. r.	1.51	3.22
6. total	100.00	1.85

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (4) : Percentage distributions of estimated number of villages reporting (i) area entitled to water and (ii) area supplied with water from canals of major and medium irrigation projects and average area (i) entitled to water and (ii) supplied with water per reporting village by distance class of the head of the distributory from the village

General Sample		Kerala		
distance class (k.m.)	percentage distribution of villages reporting area		average area entitled to water per reporting village (00 hectares)	average area supplied with water per reporting village (00 hectares)
	entitled to water	supplied with water	(3)	(4)
(0)	(1)	(2)	(3)	(4)
<u>Kharif</u>				
1. less than 1	4.34	7.69	1.88	1.88
2. 1 - 2	4.06	7.21	1.80	1.80
3. 3 - 4	-	-	-	-
4. 5 & above	91.60	85.10	1.96	2.57
5. n. r.	-	-	-	-
6. t o t a l	100.00	100.00	1.95	2.46
<u>Rabi</u>				
1. less than 1	3.76	7.69	1.88	1.88
2. 1 - 2	5.63	7.21	1.46	1.80
3. 3 - 4	-	-	-	-
4. 5 & above	90.61	85.10	1.96	2.56
5. n. r.	-	-	-	-
6. t o t a l	100.00	100.00	1.93	2.46
<u>Summer</u>				
1. less than 1	3.09	4.98	1.81	1.00
2. 1 - 2	4.65	4.67	1.46	1.80
3. 3 - 4	-	-	-	-
4. 5 & above	90.52	90.35	0.99	0.67
5. n. r.	1.74	-	3.22	-
6. t o t a l	100.00	100.00	1.08	0.74

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (5) : Percentage distribution of estimated number of minor irrigation works located in the village over type of irrigation and ownership type

General Sample		Kerala			
type of irrigation (0)	ownership type				
	govern- ment (1)	co-ope- rative (2)	private		a l l (5)
			joint (3)	single (4)	
1. flow :					
(a) diversion scheme	0.32	0.01	0.04	0.05	0.42
(b) tank	0.54	0.05	-	0.56	1.15
(c) others	0.29	0.00	-	0.31	0.60
(d) all	1.15	0.06	0.04	0.92	2.17
2. lift :					
(a) well (katcha)	-	-	-	35.97	35.97
(b) well (pucca)	0.02	-	0.01	51.99	52.02
(c) tube well	-	-	-	0.00	0.00
(d) river	0.04	0.00	0.01	0.05	0.10
(e) tank	0.05	0.01	0.01	5.79	5.86
(f) others	0.00	0.00	-	3.62	3.62
(g) all	0.11	0.01	0.03	97.42	97.57
3. wells					
(a) with usable water	0.01	-	-	0.09	0.10
not in use :					
(b) with not usable water	-	-	-	0.10	0.10
(c) not with water	-	-	-	0.04	0.04
(d) all	0.01	-	-	0.23	0.24
4. others	0.02	-	-	-	0.02
5. t o t a l	1.29	0.07	0.07	98.57	100.00

Table (1) : Percentage distributions of estimated number of villages reporting certain facilities over distance classes by item of facility

Madhya Pradesh

i t e m	distance class (k.m.)						total
	0	1-5	6-10	11-25	26 & above	n.r.	
(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. all weather road	10.51	42.34	24.86	18.35	3.87	0.07	100.00
2. bus stand	6.66	43.71	26.78	19.35	3.43	0.07	100.00
3. railway station	0.50	12.65	6.09	20.90	59.28	0.58	100.00
4. post office	8.53	63.27	19.42	8.48	0.11	0.19	100.00
5. electrical sub-station	0.80	21.18	20.94	35.52	19.13	2.43	100.00
6. electrical goods shop	0.52	15.62	16.46	36.93	29.49	0.98	100.00
7. repair shop of:							
(a) electr. equipments	0.33	16.03	11.48	34.36	36.86	0.94	100.00
(b) pump sets	0.22	15.64	9.58	32.67	41.32	0.57	100.00
(c) agr. machinery	0.69	15.31	10.30	32.09	41.03	0.58	100.00
8. primary health centre	2.58	36.01	28.10	26.44	6.80	0.07	100.00
9. hospital	0.97	19.00	18.84	36.19	24.49	0.51	100.00
10. primary school	57.80	36.78	3.73	1.22	-	0.47	100.00
11. middle school	8.40	62.34	18.65	8.64	1.79	0.18	100.00
12. secondary school	1.73	31.35	26.56	32.85	7.33	0.18	100.00
13. coop. credit society	3.58	30.38	23.88	33.47	8.62	0.07	100.00
14. commercial bank	0.52	15.49	19.21	44.61	19.98	0.19	100.00
15. nearest market :							
(a) regulated	0.56	16.98	19.92	31.57	30.90	0.07	100.00
(b) unregulated	1.69	32.99	27.88	28.74	8.15	0.55	100.00
(c) hat	4.42	41.28	30.99	17.18	1.36	4.77	100.00

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (2) : Percentage distributions of estimated number of villages over agencies for supply of seed, fertiliser and pesticides

General sample		Madhya Pradesh		
agency	seed	fertiliser	pesticides	
(0)	(1)	(2)	(3)	
1. no agency	6.22	4.95	7.78	
2. government	21.80	16.43	22.91	
3. cooperative society	61.79	70.49	54.34	
4. commercial	7.22	6.85	11.15	
5. others	2.79	0.87	3.41	
6. not recorded	0.18	0.41	0.41	
7. total	100.00	100.00	100.00	

Table (3) : Percentage distribution of estimated number of villages reporting area entitled to water from canals of major and medium irrigation projects and average command area per reporting village by distance class of head of the distributory from the village

General sample		Madhya Pradesh	
distance class (k.m.)	percentage distribution of villages	average command area (hect. 00) per reporting village	
(0)	(1)	(2)	
1. less than 1	14.58	2.30	
2. 1 - 2	56.17	2.38	
3. 3 - 4	6.34	1.79	
4. 5 & above	22.91	4.81	
5. n. r.	-	-	
6. total	100.00	2.89	



NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (4) : Percentage distributions of estimated number of villages reporting (i) area entitled to water and (ii) area supplied with water from canals of major and medium irrigation projects and average area (i) entitled to water and (ii) supplied with water per reporting village by distance class of the head of the distributory from the village

Genral sample		Madhya Pradesh		
distance class (k.m.)	percentage distribution of villages reporting area		average area entitled to water per reporting village	average area supplied with water per reporting village
	entitled to water	supplied with water	(00 hectares)	(00 hectares)
(0)	(1)	(2)	(3)	(4)
<u>Kharif</u>				
1. less than 1	17.41	17.19	1.09	1.06
2. 1 - 2	64.92	65.36	1.87	1.81
3. 3 - 4	-	-	-	-
4. 5 & above	17.67	17.45	2.55	2.47
5. n. r.	-	-	-	-
6. total	100.00	100.00	1.86	1.80
<u>R a b i</u>				
1. less than 1	14.73	14.77	0.92	1.09
2. 1 - 2	50.83	50.18	0.86	0.77
3. 3 - 4	9.82	9.85	1.37	0.89
4. 5 & above	24.62	25.20	1.05	0.76
5. n. r.	-	-	-	-
6. total	100.00	100.00	0.97	0.83
<u>Summer</u>				
1. less than 1	-	-	-	-
2. 1 - 2	-	-	-	-
3. 3 - 4	-	-	-	-
4. 5 & above	100.00	-	0.09	-
5. n. r.	-	-	-	-
6. total	100.00	-	0.09	-

Ashim/

Table (5) : Percentage distribution of estimated number of minor irrigation works located in the village over type of irrigation and ownership type

General sample

Madhya Pradesh

type of irrigation		govern- ment	coopera- tive	private		all
				joint	single	
(o)		(1)	(2)	(3)	(4)	(5)
1. flow :	(a) diversion scheme	0.16	0.02	0.03		0.21
	(b) tank	0.31	0.05	0.13	1.27	1.76
	(c) others	0.02			0.22	0.24
	(d) all	0.49	0.07	0.16	1.49	2.21
2. lift :	(a) well (katcha)	1.02		3.19	29.04	33.25
	(b) well (pucca)	1.83		5.05	33.88	40.76
	(c) tube well	0.23		0.13	1.82	2.18
	(d) river	0.44	0.05		0.46	0.95
	(e) tank	0.04	0.02		1.20	1.26
	(f) others	0.27	0.01		0.59	0.87
	(g) all	3.83	0.08	8.37	66.99	79.27
3. wells not in use	(a) with usable water	0.34		0.82	10.26	11.42
	(b) with not usable water	0.04		0.08	1.93	2.05
	(c) not with water	0.10		0.59	3.84	4.53
	(d) all	0.48		1.49	16.03	18.00
4. o t h e r s					0.52	0.52
5. t o t a l		4.80	0.15	10.02	85.03	100.00

Ashim/

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (1) : Percentage distributions of estimated number of villages reporting certain facilities over distance classes by item of facility

General sample	distance class (k.m.)							total
	0	1-5	6-10	11-25	26 & above	n.r.		
(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	
1. all weather road	18.26	57.22	15.43	7.94	1.14	0.01	100.00	
2. bus stand	19.21	58.85	14.71	6.25	0.98		100.00	
3. railway station	0.39	7.72	18.78	33.53	37.96	1.62	100.00	
4. post office	19.64	69.09	9.56	1.60	0.06	0.05	100.00	
5. electrical sub-station	1.29	20.39	19.18	45.91	9.15	4.08	100.00	
6. electrical goods shop	0.96	16.82	18.39	51.01	10.91	1.91	100.00	
7. repair shop of :								
(a) electr. equipments	0.88	13.80	17.99	48.63	15.17	3.53	100.00	
(b) pump sets	0.64	12.80	15.91	49.70	20.74	0.21	100.00	
(c) agr. machinery	30.92	29.57	8.83	21.06	9.62		100.00	
8. primary health centre	2.44	27.99	25.95	40.95	2.67		100.00	
9. hospital	0.75	16.99	18.81	42.67	20.77	0.01	100.00	
10. primary school	72.66	26.48				0.86	100.00	
11. middle school	22.73	58.42	11.42	5.16		2.27	100.00	
12. secondary school	7.46	36.63	22.46	32.17	1.23	0.05	100.00	
13. coop. credit society	32.51	42.06	15.48	8.72	0.70	0.53	100.00	
14. commercial bank	2.14	22.83	20.54	49.52	4.53	0.44	100.00	
15. nearest market :								
(a) regulated	0.67	12.25	16.18	55.83	14.70	0.37	100.00	
(b) unregulated	3.95	25.78	18.76	44.83	4.94	1.74	100.00	
(c) hat	7.24	53.10	20.08	18.51	0.18	0.89	100.00	

General sample

Maharashtra

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (2) : Percentage distributions of estimated number of villages over agencies for supply of seed, fertiliser and pesticides

General sample		Maharashtra		
agency	s e e d	fertiliser	pesticides	
(0)	(1)	(2)	(3)	
1. no agency	11.41	9.88	11.92	
2. government	38.06	31.24	34.10	
3. cooperative society	41.54	48.55	36.57	
4. commercial	6.65	8.09	13.90	
5. others	2.28	2.18	3.45	
6. not recorded	0.06	0.06	0.06	
7. t o t a l	100.00	100.00	100.00	

Table (3) : Percentage distribution of estimated number of villages reporting area entitled to water from canals of major and medium irrigation projects and average command area per reporting village by distance class of head of the distributory from the village

General sample		Maharashtra	
distance class (k.m.)	percentage dis- tribution of villages repor- ting area en- titled to water	average command area (hec.00) per reporting village	
(0)	(1)	(2)	
1. less than 1	18.49	2.97	
2. 1 - 2	33.70	3.54	
3. 3 - 4	19.30	4.61	
4. 5 & above	24.25	4.96	
5. n. r.	4.26	1.97	
6. t o t a l	100.00	3.92	

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (4) : Percentage distributions of estimated number of villages reporting (i) area entitled to water and (ii) area supplied with water from canals of major and medium irrigation projects and average area (i) entitled to water and (ii) supplied with water per reporting village by distance class of the head of the distributory from the village

General sample

Maharashtra

distance class(k.m.)	percentage distribution of villages reporting area		average area entitled to water per reporting village (00 hectares)	average area supplied with water per reporting village (00 hectares)
	entitled to water	supplied with water		
(0)	(1)	(2)	(3)	(4)
<u>k h a r i f</u>				
1. less than 1	22.34	23.18	1.71	1.38
2. 1 - 2	27.63	28.64	0.73	0.41
3. 3 - 4	15.59	11.39	1.59	1-10
4. 5 & above	29.30	30.94	0.89	0.80
5. n. r.	5.14	5.85	0.28	0.18
6. t o t a l	100.00	100.00	1.11	0.82
<u>r a b i</u>				
1. less than 1	13.85	12.52	1.93	1.99
2. 1 - 2	34.81	35.08	1.15	0.88
3. 3 - 4	20.72	21.41	1.49	1.37
4. 5 & above	26.04	26.26	1.65	1.11
5. n. r.	4.58	4.73	1.47	0.97
6. t o t a l	100.00	100.00	1.47	1.19
<u>s u m m e r</u>				
1. less than 1	22.31	22.78	1.05	0.71
2. 1 - 2	32.52	33.22	0.34	0.19
3. 3 - 4	19.46	19.87	0.76	0.67
4. 5 & above	24.46	22.85	0.66	0.57
5. n. r.	1.25	1.28	0.22	0.22
6. t o t a l	100.00	100.00	0.66	0.50

Table (5) : Percentage distribution of estimated number of minor irrigation works located in the village over type of irrigation and ownership type

General sample		Maharashtra				
type of irrigation	(0)	ownership type				
		govern- ment	coope- rative	private		all
				joint	single	
	(1)	(2)	(3)	(4)	(5)	
1. flow :	(a) diversion scheme	0.06	0.05	0.46	0.17	0.74
	(b) tank	0.29	0.04	0.10	0.50	0.93
	(c) others	0.03	0.01	0.42	0.52	0.98
	(d) all	0.38	0.10	0.98	1.19	2.65
2. lift :	(a) well (katcha)	0.73	0.01	7.94	21.91	30.59
	(b) well (pucca)	0.15	0.01	7.24	35.85	43.25
	(c) tube well	0.00	-	-	0.00	0.00
	(d) river	0.08	0.01	0.51	0.27	0.87
	(e) tank	0.01	-	-	0.02	0.03
	(f) others	0.01	-	-	0.10	0.11
	(g) all	0.98	0.03	15.69	58.15	74.85
3. wells not in use:	(a) with usable water	0.47	0.39	1.48	7.26	9.60
	(b) with not usable water	0.04	-	0.35	2.21	2.60
	(c) not with water	0.65	-	1.30	5.39	7.34
	(d) all	1.16	0.39	3.13	14.86	19.54
4. others		1.39	0.37	0.77	0.43	2.96
5. total		3.91	0.89	20.57	74.63	100.00

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (1) : Percentage distributions of estimated number of villages reporting certain facilities over distance classes by item of facility.

General Sample	distance class (km)						total
	0	1-5	6-10	11-25	26 & above	n.r.	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. all weather road	38.03	11.60	15.04	22.38	10.93	2.02	100.00
2. bus stand	16.84	22.33	14.52	35.63	8.76	1.87	100.00
3. railway station			0.15		92.74	7.11	"
4. post office	12.20	20.96	26.58	28.14	10.25	1.87	"
5. electrical sub-station	2.32	16.03	11.75	26.72	40.65	1.87	"
6. electrical goods shop	0.60	11.38	5.99	30.39	49.17	2.47	"
7. repair shop of :							
(a) electr. equipments	0.60	5.46	5.99	20.51	64.22	3.22	"
(b) pump sets	0.15	3.07	5.76	17.96	69.32	3.74	"
(c) agr. machinery	0.15	2.02	5.76	21.03	67.30	3.74	"
8. primary health centre	7.41	14.52	17.52	33.46	25.22	1.87	"
9. hospital		1.35	5.31	34.73	54.87	3.74	"
10. primary school	70.36	23.80		3.97		1.87	"
11. middle school	39.38	31.29	14.07	12.57	0.82	1.87	"
12. secondary school	5.91	18.34	15.27	33.01	25.22	2.25	"
13. co-op. credit society	1.87	7.56	6.21	34.21	47.68	2.47	"
14. commercial bank	0.45	5.39	5.76	18.41	66.32	3.67	"
15. nearest market :							
(a) regulated	7.63	14.52	22.60	17.14	30.92	7.19	"
(b) unregulated	3.76	21.48	22.30	20.51	14.45	12.50	"
(c) hat	15.19	13.77	13.47	21.18	22.09	14.30	100.00

NATIONAL SAMPLE SURVEY, 31ST ROUND: JULY 1976-JUNE 1977

Table (2) : Percentage distributions of estimated number of villages over agencies for supply of seed, fertiliser and pesticides.

General Sample		MANIPUR		
a g e n c y	s e e d	fertiliser	pesticides	
(0)	(1)	(2)	(3)	
1. no agency	14.15	14.15	14.15	
2. government	64.93	64.71	68.28	
3. co-operative society	6.33	6.55	6.11	
4. commercial	0.89	0.89	0.89	
5. others	4.39	4.39	1.04	
6. not recorded	9.31	9.31	9.53	
7. t o t a l	100.00	100.00	100.00	

Sd



NATIONAL SAMPLE SURVEY, 31ST ROUND: JULY 1976-JUNE 1977

Table (5) : Percentage distribution of estimated number of minor irrigation works located in the village over type of irrigation and ownership type.

General Sample		MANIPUR				
type of irrigation	(0)	ownership type				
		govern- ment	co-opera- tive	private		a l l
				joint	single	
	(1)	(2)	(3)	(4)	(5)	
1. flow (a) diversion scheme	-	-	34.38	0.58	34.96	
(b) tank	-	-	-	-	-	
(c) others	-	-	-	-	-	
(d) all	-	-	34.38	0.58	34.96	
2. lift: (a) well (katcha)	-	-	-	-	-	
(b) well (pucca)	-	-	-	-	-	
(c) tube well	-	-	-	-	-	
(d) river	-	-	3.01	62.03	65.04	
(e) tank	-	-	-	-	-	
(f) others	-	-	-	-	-	
(g) all	-	-	3.01	62.03	65.04	
3. wells (a) with usable not water	-	-	-	-	-	
in (b) with not usable	-	-	-	-	-	
use : water	-	-	-	-	-	
(c) not with water	-	-	-	-	-	
(d) all	-	-	-	-	-	
4. others	-	-	-	-	-	
5. t o t a l	-	-	37.39	62.61	100.00	

Sd

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (1) : Percentage distribution of estimated number of villages reporting certain facilities over distance classes by item of facility.

General Sample .

CRISSA

i t e m	distance class (k.m.)						total	
	(0)	(1)	(2)	(3)	(4)	(5)		(6)
	0	1-5	6-10	11-25	26 & above	n.r.		
1. all weather road	10.34	33.58	31.79	17.08	0.41	6.80	100.00	
2. bus stand	8.81	30.30	33.66	18.86	1.57	6.80	100.00	
3. railway station	0.04	4.16	16.28	21.30	51.33	6.89	"	
4. post office	14.86	54.32	10.18	13.28	0.56	6.80	"	
5. electrical sub station	8.20	27.03	20.16	21.30	15.93	7.38	"	
6. electrical goods shop	0.94	11.96	16.81	29.15	33.51	7.63	"	
7. repair shop of :								
(a) electr. equipments	0.87	2.64	18.36	19.67	51.37	7.09	"	
(b) pump sets	-	2.71	8.05	19.88	62.27	7.09	"	
(c) agr. machinery	0.09	2.19	8.05	19.05	63.09	7.63	"	
8. primary health centre	2.12	23.23	30.23	31.01	6.61	6.80	"	
9. hospital	0.88	13.50	17.92	24.19	36.46	7.05	"	
10. primary school	65.56	26.51	0.84	-	-	7.09	"	
11. middle school	14.69	47.54	24.63	4.26	2.08	6.80	"	
12. secondary school	6.52	40.15	20.77	20.06	5.70	6.80	"	
13. coop. credit society	8.33	35.73	29.87	13.79	5.48	6.80	"	
14. commercial bank	0.55	10.28	21.34	31.53	29.23	7.07	"	
15. nearest market :								
(a) regulated	0.13	2.81	21.81	19.61	45.32	10.32	"	
(b) unregulated	2.29	30.94	35.03	18.15	13.08	10.51	"	
(c) hat	4.10	47.04	21.92	14.70	4.58	7.66	100.00	

## NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976-JUNE 1977

TABLE (2) : Percentage distributions of estimated number of villages over agencies for supply of seed, fertiliser and pesticides.

General Sample		ORISSA		
agency	seed	fertiliser	pesticides	
(0)	(1)	(2)	(3)	
1. no agency	7.30	5.93	7.73	
2. government	43.05	18.09	28.11	
3. co-operative society	23.70	52.19	35.03	
4. commercial	10.05	13.70	17.54	
5. others	4.04	2.96	4.73	
6. not recorded	6.86	7.13	6.86	
7. total	100.00	100.00	100.00	

TABLE (3) : Percentage distribution of estimated number of villages reporting area entitled to water from canals of major and medium irrigation projects and average command area per reporting village by distance class of head of the distributory from the village.

General Sample		ORISSA	
distance class (km.)	percentage distribution of villages reporting area entitled to water	average command area (hect. 00) per reporting village	
(0)	(1)	(2)	
1. less than 1	2.31	1.00	
2. 1 - 2	34.30	0.94	
3. 3 - 4	52.35	0.43	
4. 5 & above	11.04	1.13	
5. n.r.	-	-	
6. total	100.00	0.70	

NATIONAL SAMPLE SURVEY, 31ST ROUND: JULY 1976-JUNE 1977

Table (4) : Percentage distribution of estimated number of villages reporting (i) area entitled to water and (ii) area supplied with water from canals of major and medium irrigation projects and average area (i) entitled to water and (ii) supplied with water per reporting village by distance class of the head of the distributory from the village.

General Sample		ORISSA		
distance class (km)	percentage distribution of villages reporting area		average area entitled to water per reporting village (00 hectares)	average area supplied with water per reporting village (00 hectares)
	entitled to water	supplied with water		
(0)	(1)	(2)	(3)	(4)
<u>Kharif</u>				
1. less than 1	0.31	2.29	1.01	1.00
2. 1 - 2	34.30	34.70	0.81	0.79
3. 3 - 4	52.35	52.04	0.43	0.42
4. 5.&.above	11.04	10.97	1.03	0.98
5. n.r.	-	-	-	-
6. t o t a l	100.00	100.00	0.64	0.62
<u>Rabi</u>				
1. less than 1	3.20	8.50	0.46	0.46
2. 1 - 2	22.86	52.28	0.97	0.61
3. 3 - 4	63.80	15.91	0.43	1.86
4. 5.&.above	10.14	23.31	0.39	0.20
5. n.r.	-	-	-	-
6. t o t a l	100.00	100.00	0.56	0.70
<u>Summer</u>				
1. less than 1	1.26	1.26	0.38	0.38
2. 1 - 2	22.36	22.36	0.77	0.53
3. 3 - 4	67.37	67.37	0.28	0.10
4. 5.&.above	9.01	9.01	0.82	0.52
5. n.r.	-	-	-	-
6. t o t a l	100.00	100.00	0.44	0.24

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976-JUNE 1977

Table (5) : Percentage distribution of estimated number of minor irrigation works located in the village over type of irrigation and ownership type.

Generak Sample		ORISSA			
type of irrigation	(0)	ownership type			
		govern- ment	co-opera- tive	private joint	single
	(1)	(2)	(3)	(4)	(5)
1. flow :					
(a) diversion scheme	0.43	0.42	0.33	0.26	1.44
(b) tank	3.87	0.34	0.05	0.41	4.67
(c) others	0.40	0.29		1.41	2.10
(d) all	4.70	1.05	0.38	2.08	8.21
2. lift :					
(a) well (katcha)	0.55		8.44	53.69	62.68
(b) well (pucca)	0.69		0.38	19.34	20.41
(c) tube well	0.16			0.70	0.86
(d) river	0.68	0.14		0.06	0.88
(e) tank	1.41	0.01	0.08	1.51	3.01
(f) others	0.35		0.63		0.98
(g) all	3.84	0.15	9.53	75.30	88.82
3. wells not in use :					
(a) with usable water	0.12			1.32	1.44
(b) with out usable water				0.75	0.75
(c) not with water			0.12	0.66	0.78
(d) all	0.12		0.12	2.73	2.97
4. total :	8.66	1.20	10.03	80.11	100.00

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (1) : Percentage distribution of estimated number of villages reporting certain facilities over distance classes by item of facility.

General Sample

TUNJAB

i t e m	distance class (k.m.)						total
	(1)	(2)	(3)	(4)	(5)	(6)	
1. all weather road	61.25	37.58	0.29	0.72	-	0.16	100.00
2. bus stand	27.96	67.39	3.63	1.02	-	-	100.00
3. railway station	1.42	28.92	23.10	40.59	5.80	0.17	"
4. post office	29.18	62.83	6.18	1.65	-	0.16	"
5. electrical sub station	3.42	25.35	38.54	31.95	0.74	-	"
6. electrical goods shop	2.52	27.97	35.72	31.30	0.95	1.54	"
7. repair shop of :							66
(a) electr. equipments	2.05	25.86	34.19	34.73	3.17	-	"
(b) pump sets	2.71	25.05	32.55	35.75	3.94	-	"
(c) agr. machinery	2.69	23.66	33.62	36.87	3.16	-	"
8. primary health centre	10.45	49.56	20.69	17.95	0.70	0.65	"
9. hospital	3.88	31.80	29.23	31.93	2.68	0.48	"
10. primary school	84.22	15.26	-	-	-	0.52	"
11. middle school	22.48	71.83	3.94	0.96	-	0.79	"
12. secondary school	9.86	60.68	22.68	6.66	-	0.12	"
13. co-op. credit society	54.46	30.70	4.46	1.72	-	3.66	"
14. commercial bank	4.57	38.10	32.29	22.14	0.47	2.43	"
15. nearest market :							"
(a) regulated	2.65	27.23	34.70	32.14	0.96	2.32	"
(b) unregulated	4.35	19.88	11.52	18.44	0.26	45.55	"
(c) hat	2.75	4.81	2.86	1.54	0.12	87.92	100.00

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976-JUNE 1977

Table (2): Percentage distributions of estimated number of villages over agencies for supply of seed, fertiliser and pesticides.

General Sample		PUNJ AB		
a g e n c y		seed	fertiliser	pesti- cides
(0)		(1)	(2)	(3)
1.	no agency	21.57	9.92	22.15
2.	government	13.23	6.69	8.45
3.	co-operative society	15.01	48.61	12.19
4.	commercial	45.18	30.16	49.90
5.	others	2.28	2.04	4.48
6.	not recorded	2.73	2.58	2.83
7.	t o t a l	100.00	100.00	100.00

Table (3) : Percentage distribution of estimated number of villages reporting area entitled to water from canals of major and medium irrigation projects and average command area per reporting village by distance class of head of the distributory from the village.

General Sample		PUNJ AB	
distance class (k.m.)	percentage distribution of villages reporting area entitled to water	average command area(hect.00) per reporting village	
(0)	(1)	(2)	
1.	less than 1	1.72	4.24
2.	1 - 2	13.95	2.62
3.	3 - 4	7.62	2.82
4.	5.&.above	75.59	5.71
5.	n.r.	1.12	8.00
6.	t o t a l	100.00	5.06

NATIONAL SAMPLE SURVEY, 31ST ROUND: JULY 1976-JUNE 1977

Table (4) : Percentage distributions of estimated number of villages reporting (i) area entitled to water and (ii) area supplied with water from canals of major and medium irrigation projects and average area (i) entitled to water and (ii) supplied with water per reporting village by distance class of the head of the distributory from the village.

General Sample		PUNJAB			
distance class (km)	percentage distribution of villages reporting area		average area entitled to water per reporting village (00 hectares)	average area supplied with water per reporting village (00 hectares)	
	entitled to water	supplied with water	(3)	(4)	
(0)	(1)	(2)	(3)	(4)	
<u>Kharif</u>					
1. less than 1	1.72	1.57	1.43	0.92	
2. 1 - 2	13.95	12.09	0.81	1.04	
3. 3 - 4	7.62	8.10	0.67	0.53	
4. 5 & above	75.59	71.92	2.41	2.51	
5. n.r.	1.12	6.32	7.96	1.33	
6. total	100.00	100.00	2.10	2.08	
<u>Rabi</u>					
1. less than 1	1.72	1.60	1.73	1.22	
2. 1 - 2	13.95	12.30	0.77	0.85	
3. 3 - 4	7.62	8.24	0.80	0.57	
4. 5 & above	75.59	71.43	2.48	2.32	
5. n.r.	1.12	6.43	6.54	1.20	
6. total	100.00	100.00	2.14	1.91	
<u>Summer</u>					
1. less than 1	14.88	-	1.72	-	
2. 1 - 2	-	-	-	-	
3. 3 - 4	-	-	-	-	
4. 5 & above	85.12	100.00	0.09	0.08	
5. n.r.	-	-	-	-	
6. total	100.00	100.00	0.33	0.08	



NATIONAL SAMPLE SURVEY, 31ST ROUND: JULY 1976-JUNE 1977

Table (5): Percentage distribution of estimated number of minor irrigation works located in the village over type of irrigation and ownership type.

General Sample		PUNJAB				
type of irrigation	ownership type					
	government	co-operative	private		a l l	
			joint	single		
(0)	(1)	(2)	(3)	(4)	(5)	
1. flow :						
(a) diversion scheme	0.01	0.01		0.01	0.03	
(b) tank						
(c) others						
(d) all	0.01	0.01		0.01	0.03	
2. lift :						
(a) well (katcha)			0.04	0.53	0.57	
(b) well (pucca)			5.14	12.63	17.77	
(c) tube well	0.15	0.02	10.35	52.02	62.54	
(d) river	0.03			0.13	0.16	
(e) tank						
(f) others		0.00		0.33	0.33	
(g) all	0.18	0.02	15.53	65.64	81.37	
3. wells not in use :						
(a) with usable water			2.04	7.32	9.36	
(b) with not usable water			2.28	2.05	4.33	
(c) not with water			1.63	1.99	3.62	
(d) all			5.95	11.36	17.31	
4. others :	0.78			0.51	1.29	
5. t o t a l	0.97	0.03	21.48	77.52	100.00	

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (1) : Percentage distributions of estimated number of villages reporting certain facilities over distance classes by item of facility

General sample

i t e m	distance class (k.m.)					n.r.	total
	(1)	(2)	(3)	(4)	(5)		
1. all weather road	13.71	42.84	24.07	7.60	0.13	11.65	100.00
2. bus stand	18.32	43.92	22.38	3.50	0.16	11.72	100.00
3. railway station	1.30	12.71	40.79	19.51	44.25	11.44	100.00
4. post office	23.45	54.42	9.42	0.77	-	11.94	100.00
5. electrical sub station	2.54	20.96	18.51	27.74	18.53	11.72	100.00
6. electrical goods shop	1.11	10.52	12.49	33.56	30.67	11.65	100.00
7. repair shop of :							
(a) electr. equipments	0.88	8.48	10.72	32.39	35.88	11.65	100.00
(b) pump sets	0.48	8.83	10.76	31.21	37.07	11.65	100.00
(c) agr.machinery	0.17	6.04	9.72	30.23	41.83	12.01	100.00
8. primary health centre	2.68	30.02	22.91	25.36	7.04	11.99	100.00
9. hospital	2.14	16.11	15.05	33.74	21.00	11.96	100.00
10. primary school	53.27	31.96	2.84	-	-	11.93	100.00
11. middle school	12.70	55.73	15.86	3.73	0.14	11.84	100.00
12. secondary school	2.49	31.24	30.23	19.94	4.38	11.72	100.00
13. coop. credit society	13.50	40.57	17.79	10.14	4.45	13.55	100.00
14. commercial bank	1.55	18.53	20.43	30.66	16.91	11.92	100.00
15. nearest market :							
(a) regulated	2.15	8.18	13.45	28.62	35.88	11.72	100.00
(b) unregulated	21.66	32.53	18.21	12.37	3.13	12.10	100.00
(c) hat	4.06	13.98	11.39	9.59	3.46	57.52	100.00

Rajasthan

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976-JUNE 1977

Table (2) : Percentage distributions of estimated number of villages over agencies for supply of seed, fertiliser and pesticides

General sample		Rajasthan		
agency	seed	fertiliser	pesticides	
(0)	(1)	(2)	(3)	
1. no agency	8.89	9.68	10.39	
2. government	21.63	18.53	22.07	
3. cooperative society	42.67	45.58	36.56	
4. commercial	8.57	10.67	14.02	
5. others	6.38	3.98	5.33	
6. not recorded	11.86	11.56	11.63	
7. total	100.00	100.00	100.00	

Table (3) : Percentage distribution of estimated number of villages reporting area entitled to water from canals of major and medium irrigation projects and average command area per reporting village by distance class of head of the distributory from the village

General sample		Rajasthan	
distance class (km)	percentage distribution of villages reporting area entitled to water	average command area (hec.0.00) per reporting village	
(0)	(1)	(3)	
1. less than 1	4.33	3.79	
2. 1 - 2	33.95	2.98	
3. 3 - 4	2.48	3.92	
4. 5 & above	50.26	1.57	
5. n.r.	8.98	0.55	
6. total	100.00	2.11	

NATIONAL SAMPLE SURVEY, 31ST. ROUND : JULY 1976 - JUNE 1977

Table (4) : Percentage distributions of estimated number of villages reporting (i) area entitled to water and (ii) area supplied with water from canals of major and medium irrigation projects and average area (i) entitled to water and (ii) supplied with water per reporting village by distance class of the head of the distributory from the village

General sample		Rajasthan			
distance class (k.m.)	percentage distribution of villages reporting area		average area	average	
	entitled to water	supplied with water	entitled to water per reporting village (00 hectare)	area supplied with water per reporting villages (00 hectares)	
(0)	(1)	(2)	(3)	(4)	
<u>Kharif</u>					
1. less than 1	10.78	10.19	1.62	1.45	
2. 1 - 2	79.72	80.83	0.92	0.63	
3. 3 - 4	2.41	2.28	1.44	1.21	
4. 5 & above	7.09	6.70	1.30	1.14	
5. n.r.	-	-	-	-	
6. total	100.00	100.00	1.03	0.76	
<u>Rabi</u>					
1. less than 1	4.35	4.16	2.37	2.26	
2. 1 - 2	33.75	36.59	1.71	1.56	
3. 3 - 4	2.49	2.38	2.59	1.11	
4. 5 & above	50.40	48.25	1.37	0.61	
5. n.r.	9.01	8.62	0.42	0.42	
6. total	100.00	100.00	1.47	1.02	
<u>Summer</u>					
1. less than 1	-	-	-	-	
2. 1 - 2	100.00	100.00	0.48	0.48	
3. 3 - 4	-	-	-	-	
4. 5 & above	-	-	-	-	
5. n.r.	-	-	-	-	
6. total	100.00	100.00	0.48	0.48	

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (5) : Percentage distribution of estimated number of minor irrigation works located in the village over type of irrigation and ownership type

General sample		RAJASTHAN				
type of irrigation		ownership				all
		govern- ment	coopera- tive	private		
				joint	single	
(a)		(1)	(2)	(3)	(4)	(5)
1.	flow :					
	(a) diversion scheme	0.00	0.02	0.04	0.10	0.16
	(b) tank	0.17	0.16	0.08	0.02	0.43
	(c) others	0.02	0.17	-	-	0.19
	(d) all	0.19	0.35	0.12	0.12	0.78
2.	lift					
	(a) well (katcha)	-	-	7.68	3.43	11.11
	(b) well (pucca)	0.16	0.02	38.38	23.89	62.45
	(c) tube well	-	-	1.02	1.54	2.56
	(d) river	0.03	0.00	0.01	-	0.04
	(e) tank	0.02	-	0.06	0.01	0.09
	(f) others	0.01		0.00		0.01
	(g) all	0.22	0.02	47.15	28.87	76.26
	(h)					
3.	wells not in use :					
	(a) with usable water	0.08		3.45	5.45	8.98
	(b) with not usable water			2.74	3.31	6.05
	(c) not with water			1.90	2.91	4.81
	(d) all	0.08		8.09	11.67	15.84
4.	others	1.81		0.71	0.60	3.12
5.	total	2.30	0.37	56.07	41.26	100.00

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (1) : Percentage distributions of estimated number of villages reporting certain facilities over distance classes by item of facility

State : Tamilnadu

General sample i t e m	distance class (k.m.)						total
	0	1 - 5	6 - 10	11 - 25	26 & above	n. r.	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. all weather road	58.45	30.92	2.01	0.62		8.00	100.00
2. bus stand	42.25	43.66	4.53	1.24	0.18	8.14	100.00
3. railway station	2.34	22.16	15.03	33.29	19.04	8.14	100.00
4. post office	44.94	45.67	0.94	0.39		8.06	100.00
5. electrical sub station	4.27	20.85	19.98	38.02	8.50	8.38	100.00
6. electrical goods shop	2.47	24.02	24.29	33.31	7.54	8.37	100.00
7. repair shop of :							
(a) electr. equipments	1.90	23.14	22.63	35.18	9.13	8.02	100.00
(b) pump sets	2.92	22.07	19.81	36.03	10.95	8.22	100.00
(c) agr. machinery	3.51	20.16	18.83	36.80	12.56	8.14	100.00
8. primary health centre	5.42	39.26	26.70	19.21	0.54	8.87	100.00
9. hospital	3.13	35.35	23.37	26.77	3.38	8.00	100.00
10. primary school	80.83	10.80		0.18		8.19	100.00
11. middle school	27.75	58.82	3.34	0.63	0.18	9.28	100.00
12. secondary school	11.92	63.28	14.12	2.26	0.42	8.00	100.00
13. coop. credit society	34.67	47.79	7.83	1.47	0.24	8.00	100.00
14. commercial bank	4.94	38.51	24.94	22.38	0.96	8.27	100.00
15. nearest market :							
(a) regulated	1.40	20.28	17.71	35.87	13.64	11.10	100.00
(b) unregulated	6.82	36.93	20.64	22.39	4.42	8.80	100.00
(c) hat	7.98	37.20	26.55	16.86	1.83	9.58	100.00

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (2) : Percentage distributions of estimated number of villages over agencies for supply of seed, fertiliser and pesticides

General sample		Tamilnadu		
agency	seed	fertiliser	pesticides	
(0)	(1)	(2)	(3)	
1. no agency	11.00	4.82	6.84	
2. government	48.37	17.15	39.02	
3. cooperative society	13.87	47.29	19.32	
4. commercial	12.91	19.27	21.56	
5. others	4.81	2.63	4.31	
6. not recorded	9.04	8.84	8.95	
7. total	100.00	100.00	100.00	

Table (3) : Percentage distribution of estimated number of villages reporting area entitled to water from canals of major and medium irrigation projects and average command area per reporting village by distance class of head of the distributory from the village

General sample		Tamilnadu	
distance class (k.m.)	percentage distribution of villages reporting area entitled to water	average command area (hect. 00) per reporting village	
(0)	(1)	(2)	
1. less than 1	3.51	4.82	
2. 1 - 2	48.97	4.05	
3. 3 - 4	31.20	5.51	
4. 5 & above	16.32	4.19	
5. n. r.	-	-	
6. total	100.00	4.55	

NATIONAL SAMPLE SURVEY, 31 ST. ROUND : JULY 1976 - JUNE 1977

Table (4) : Percentage distributions of estimated number of villages reporting (i) area entitled to water and (ii) area supplied with water from canals of major and medium irrigation projects and average area (i) entitled to water and (ii) supplied with water per reporting village by distance class of the head of the distributory from the village

General sample		Tamilnadu			
distance class(k.m.)	percentage distribution of villages reporting area		average area entitled to water per reporting village	average area supplied with water per reporting village	
	entitled to water	supplied with water	(00 hectares)	(00 hect.)	
(0)	(1)	(2)	(3)	(4)	
<u>Kharif</u>					
1. less than 1	-	-	-	-	-
2. 1 - 2	35.50	38.59	4.63	2.00	
3. 3 - 4	45.50	49.45	5.74	5.74	
4. 5 & above	19.00	11.76	3.55	0.64	
5. n. r.	-	-	-	-	
6. total	100.00	100.00	4.93	3.68	
<u>Rabi</u>					
1. less than 1	5.61	8.29	4.76	4.53	
2. 1 - 2	54.79	40.49	3.62	4.14	
3. 3 - 4	27.72	40.98	5.33	5.11	
4. 5 & above	11.88	10.24	4.19	1.67	
5. n. r.	-	-	-	-	
6. total	100.00	100.00	4.23	4.32	
<u>Summer</u>					
1. less than 1	-	-	-	-	
2. 1 - 2	-	-	-	-	
3. 3 - 4	40.00	53.33	2.92	2.92	
4. 5 & above	60.00	46.67	5.78	4.38	
5. n. r.	-	-	-	-	
6. total	100.00	100.00	4.63	3.60	



NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (5) : Percentage distributions of estimated number of minor irrigation works located in the village over type of irrigation and ownership type

type of irrigation (0)	General sample		Tamilnadu		
	ownership type				
	govern- ment (1)	coopera- tive (2)	private		a l l (5)
			joint (3)	single (4)	
1. flow :					
(a) diversion scheme	0.03	0.00	0.01	-	0.04
(b) tank	4.00	0.10	0.01	0.03	4.14
(c) others	0.12	0.01	-	0.01	0.14
(d) all	4.15	0.11	0.02	0.04	4.32
2. lift :					
(a) well (katcha)	0.00	0.00	4.85	14.29	19.14
(b) well (pucca)	0.06	-	21.25	37.47	58.78
(c) tube well	-	-	0.26	4.13	4.39
(d) river	0.01	-	0.15	0.05	0.21
(e) tank	0.01	0.01	-	0.00	0.02
(f) others	0.03	-	0.01	0.31	0.35
(g) all	0.11	0.01	26.52	56.25	82.89
3. wells not in use :					
(a) with usable water	0.03	0.02	0.97	2.70	3.72
(b) with not usable water	0.01	-	0.13	0.66	0.80
(c) not with water	0.20	-	2.68	5.06	7.94
(d) all	0.24	0.02	3.78	8.42	12.46
4. others				0.33	0.33
5. total	4.50	0.14	30.32	65.04	100.00

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (1) : Percentage distributions of estimated number of villages reporting certain facilities over distance classes by item of facility

Tripura

General sample i t e m	distance class (k.m.)					total	n.r.
	0 (1)	1 - 5 (2)	6 - 10 (3)	11 - 25 (4)	26 & above (5)		
1. all weather road	25.51	18.70	26.71	27.36	1.50	100.00	0.62
2. bus stand	5.18	23.95	24.87	42.05	3.33	100.00	0.62
3. railway station		1.11	3.29	0.53	78.03	100.00	17.04
4. post office	9.65	49.29	15.84	24.60		100.00	0.62
5. electrical sub station	0.60	12.96	20.28	49.79	14.58	100.00	1.77
6. electrical goods shop	0.23	10.45	10.63	62.21	15.06	100.00	1.42
7. repair shop of : (a) electr. equipments (b) pump sets (c) agr. machinery	0.23 4.73 4.96	9.59 18.49 20.00	9.52 23.02 13.56	53.57 29.99 32.91	25.51 21.05 20.16	100.00 100.00 100.00	1.58 2.72 8.41
8. primary health centre	0.80	21.74	31.50	27.96	17.20	100.00	0.80
9. hospital	0.18	10.35	12.78	49.64	26.04	100.00	1.01
10. primary school	31.43	54.23	7.78	5.94		100.00	0.62
11. middle school	9.42	46.23	18.62	21.95	0.80	100.00	2.98
12. secondary school	2.45	20.65	33.90	40.55	1.83	100.00	0.62
13. coop. credit society	4.05	21.31	22.38	37.14	0.21	100.00	14.91
14. commercial bank	0.14	7.32	20.39	39.03	25.53	100.00	7.59
15. nearest market : (a) regulated (b) unregulated (c) hat	2.92 6.27 10.06	9.22 27.34 54.00	18.62 23.37 20.90	27.50 29.51 8.25	31.08 0.53 0.64	100.00 100.00 100.00	10.66 12.98 6.15

NATIONAL SAMPLE SURVEY : 31ST ROUND : JULY 1976 - JUNE 1977

Table (2) : Percentage distributions of estimated number of villages over agencies for supply of seed, fertiliser and pesticides

General sample		State : Tripura		
agency	seed	fertiliser	pesticides	
(0)	(1)	(2)	(3)	
1. no agency	5.49	3.91	3.91	
2. government	83.84	85.42	85.42	
3. cooperative society	0.53	0.53	0.53	
4. commercial	0.14	0.14	0.14	
5. others	6.76	6.76	6.76	
6. not recorded	3.24	3.24	3.24	
7. total	100.00	100.00	100.00	

Table (4) : Percentage distribution of estimated number of minor irrigation works serving the village, but not located there, over type of irrigation and ownership type

General sample		State : Tripura				
type of irrigation	ownership type					
	government	cooperative	private joint	single	all	
(0)	(1)	(2)	(3)	(4)	(5)	
1. flow : (a) diversion scheme				27.19	27.19	
(b) tank						
(c) others				72.81	72.81	
(d) all				100.00	100.00	
2. lift : (a) well (katcha)						
(b) well (pucca)						
(c) tube well						
(d) river						
(e) tank						
(f) others						
(g) all						
3. n. r.						
4. total				100.00	100.00	

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (5) : Percentage distribution of estimated number of minor irrigation works located in the village over type of irrigation and ownership type

General sample		Tripura				
type of irrigation	(0)	ownership type			a l l (5)	
		govern- ment (1)	coopera- tive (2)	private joint (3)		single (4)
1. flow :	(a) diversion scheme	11.53	-	10.59	-	22.12
2.	(b) tank	-	-	-	23.36	23.36
	(c) others	-	-	-	-	-
	(d) all	11.53	-	10.59	23.36	45.48
2. lift :	(a) well (katcha)	-	-	-	-	-
	(b) well (pucca)	-	-	-	-	-
	(c) tube well	-	-	-	-	-
	(d) river	7.79	-	-	15.89	23.68
	(e) tank	-	-	-	-	-
	(f) others	-	-	-	30.84	30.84
	(g) all	7.79	-	-	46.73	54.52
3. wells not in use :	(a) with usable water	-	-	-	-	-
	(b) with not usable water	-	-	-	-	-
	(c) not with water	-	-	-	-	-
	(d) all	-	-	-	-	-
4. others		-	-	-	-	-
5. total		19.32	-	10.59	70.09	100.00

NATIONAL SAMPLE SURVEY, 31<sup>ST</sup> ROUND : JULY 1976 - JUNE 1977

Table (1) : Percentage distributions of estimated number of villages reporting certain facilities over distance classes by item of facility

Uttar Pradesh

General sample i t e m	distance class (k.m.)					n. r.	total
	(1) 0	(2) 1 - 5	(3) 6 - 10	(4) 11 - 25	(5) 26 & above		
1. all weather road	17.23	56.33	16.66	6.01	0.14	3.63	100.00
2. bus stand	6.81	56.02	22.75	10.80	0.16	3.46	100.00
3. railway station	0.75	19.27	23.73	29.37	22.80	4.08	100.00
4. post office	16.24	69.50	9.72	1.08	-	3.46	100.00
5. electrical sub - station	0.62	25.98	33.41	26.87	8.59	4.53	100.00
6. electrical goods shop	0.48	18.21	27.78	34.07	15.76	3.70	100.00
7. repair shop of :							
(a) electr. equipments	0.41	13.05	25.72	37.03	20.15	3.64	100.00
(b) pump sets	0.46	13.41	25.68	33.14	23.36	3.95	100.00
(c) agr. machinery	0.58	14.50	24.71	34.25	22.50	3.46	100.00
8. primary health centre	5.13	40.29	32.88	15.56	2.50	3.64	100.00
9. hospital	1.34	25.35	31.54	24.16	13.56	4.05	100.00
10. primary school	46.50	49.29	0.62	0.03	-	3.56	100.00
11. middle school	10.59	67.08	14.31	4.51	-	3.69	100.00
12. secondary school	2.52	46.00	28.13	16.10	3.65	3.60	100.00
13. coop. credit society	5.88	48.49	23.59	15.03	3.33	3.68	100.00
14. commercial bank	0.80	22.78	32.24	28.84	11.64	3.70	100.00
15. nearest market :							
(a) regulated	0.69	14.41	22.02	26.86	27.46	8.56	100.00
(b) unregulated	2.68	39.59	29.28	16.31	3.83	8.31	100.00
(c) hat	6.46	57.84	15.34	3.77	-	16.59	100.00

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (2) : Percentage distributions of estimated number of villages over agencies for supply of seed, fertiliser and pesticides

General sample	Uttar Pradesh		
agency	seed	fertiliser	pesticides
(0)	(1)	(2)	(3)
1. no agency	5.17	4.11	8.03
2. government	26.21	25.40	28.81
3. cooperative society	46.54	47.34	35.85
4. commercial	9.76	11.97	14.33
5. others	6.58	5.43	6.66
6. not recorded	5.74	5.75	6.32
7. total	100.00	100.00	100.00

Table (3) : Percentage distribution of estimated number of villages reporting area entitled to water from canals of major and medium irrigation projects and average command area per reporting village by distance class of head of the distributory from the village

General sample	Uttar Pradesh	
distance class (k.m.)	percentage distribution of villages reporting area entitled to water	average command area(hect.00) per reporting village
(0)	(1)	(2)
1. less than 1	10.47	1.39
2. 1 - 2	37.38	1.33
3. 3 - 4	11.12	1.95
4. 5 & above	39.82	1.99
5. n. r.	1.21	3.45
6. total	100.00	1.69

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (4) : Percentage distributions of estimated number of villages reporting (i) area entitled to water and (ii) area supplied with water from canals of major and medium irrigation projects and average area (i) entitled to water and (ii) supplied with water per reporting village by distance class of the head of the distributory from the village

General sample		Uttar Pradesh			
distance class(k.m.)		percentage distribution of villages reporting area		average area entitled to water per reporting village	average area supplied with water per reporting village
		entitled to water	supplied with water	(00 hectares)	(00 hectares)
(0)		(1)	(2)	(3)	(4)
<u>Kharif</u>					
1.	less than 1	9.16	9.50	0.48	0.40
2.	1 - 2	39.55	38.55	1.22	0.91
3.	3 - 4	8.09	12.24	0.71	0.26
4.	5 & above	41.74	38.38	1.60	0.43
5.	n. r.	1.46	1.33	0.36	0.28
6.	t o t a l	100.00	100.00	1.26	0.59
<u>R o i</u>					
1.	less than 1	10.47	9.90	0.57	0.54
2.	1 - 2	37.38	35.63	1.14	0.91
3.	3 - 4	11.12	12.74	0.77	0.59
4.	5 & above	39.82	40.58	1.63	0.62
5.	n. r.	1.21	1.15	1.01	0.93
6.	t o t a l	100.00	100.00	1.23	0.72
<u>Summer</u>					
1.	less than 1	17.39	-	1.39	-
2.	1 - 2	30.78	73.13	0.80	0.04
3.	3 - 4	13.47	16.76	0.97	0.48
4.	5 & above	38.36	10.11	0.19	0.03
5.	n. r.	-	-	-	-
6.	t o t a l	100.00	100.00	0.69	0.11

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (5) : Percentage distribution of estimated number of minor irrigation works located in the village over type of irrigation and ownership type

General sample		Uttar Pradesh				
type of irrigation	(0)	ownership type			a l l	
		govern- ment	coopera- tive	private joint      single		
	(1)	(2)	(3)	(4)	(5)	
1. flow :						
(a) diversion scheme	0.03	0.01	0.04	-	0.08	
(b) tank	0.49		0.02	0.08	0.59	
(c) others	0.06	0.01		0.02	0.09	
(d) all	0.58	0.02	0.06	0.10	0.76	
2. lift :						
(a) well (katcha)	0.21		0.75	4.11	5.07	
(b) well (pucca)	0.69	0.12	5.45	30.76	37.02	
(c) tube well	0.70	0.81	3.80	25.36	30.67	
(d) river	0.20	0.12	0.03	0.14	0.49	
(e) tank	3.58	0.11	0.51	0.91	5.11	
(f) others	0.57	0.02	0.34	2.06	2.99	
(g) all	5.95	1.18	10.88	63.34	81.35	
3. wells :						
not in use :						
(a) with usable water	0.03	0.06	1.40	10.21	11.70	
(b) with not usable water	0.01		0.75	2.75	3.51	
(c) not with water	0.02		0.49	1.82	2.33	
(d) all	0.06	0.06	2.64	14.78	17.54	
4. others	0.10	0.03		0.22	0.35	
5. total	6.69	1.29	13.58	78.44	100.00	



NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976-JUNE 1977

Table (1) : Percentage distributions of estimated number of villages reporting certain facilities over distance classes by item of facility.

General Sample

i t e m	distance class (km.)						total
	0	1-5	6-10	11-25	26 & above	n.r.	
(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. all weather road	29.66	51.47	16.75	1.85	0.03	0.24	100.00
2. bus stand	23.88	54.50	15.34	6.11	0.14	0.03	100.00
3. railway station	0.36	17.02	26.68	33.02	22.86	0.06	"
4. post office	12.73	83.61	2.71	0.92	-	0.03	"
5. electrical sub-station	1.05	30.43	15.35	25.26	26.87	1.04	"
6. electrical goods shop	0.83	9.87	16.00	43.89	29.09	0.32	"
7. repair shop of :							
(a) electr. equipments	0.87	9.01	14.97	44.15	30.60	0.40	"
(b) pump sets	0.32	8.25	12.92	40.03	38.45	0.03	"
(c) agr. machinery	0.19	6.26	12.48	40.91	39.81	0.35	"
8. primary health centre	3.03	66.10	20.59	8.14	1.87	0.27	"
9. hospital	0.68	10.02	13.85	24.00	51.20	0.25	"
10. primary school	50.65	49.03	-	-	0.09	0.23	"
11. middle school	8.27	59.15	10.37	4.04	-	18.17	"
12. secondary school	5.11	70.31	17.16	6.46	0.72	0.24	"
13. co-op. credit society	9.77	40.82	12.81	10.09	9.52	16.99	"
14. commercial bank	1.05	23.10	23.55	38.12	13.17	1.01	"
15. nearest market :							
(a) regulated	0.81	7.94	8.50	27.88	39.13	16.24	"
(b) unregulated	3.98	56.82	17.17	15.31	0.99	6.63	"
(c) hat	6.45	71.71	15.80	3.97	0.09	1.98	100.00

NATIONAL SAMPLE SURVEY, 31ST ROUND: JULY 1976-JUNE 1977

Table (2): Percentage distributions of estimated number of villages over agencies for supply of seed, fertiliser and pesticides.

General Sample		WEST BENGAL		
agency	seed	fertiliser	pesticides	
(0)	(1)	(2)	(3)	
1. no agency	7.77	4.83	4.91	
2. government	22.10	19.23	17.59	
3. co-operative society	19.89	20.29	11.34	
4. commercial	44.94	49.84	53.17	
5. others	4.16	4.57	11.80	
6. not recorded	1.14	1.19	1.19	
7. total	100.00	100.00	100.00	

Table (3): Percentage distribution of estimated number of villages reporting area entitled to water from canals of major and medium irrigation projects and average command area per reporting village by distance class of head of the distributory from the village.

General Sample		WEST BENGAL	
distance class (km.)	percentage distribution of village reporting area entitled to water	average command area (hect. 00) per reporting village	
(0)	(1)	(2)	
1. less than 1	12.68	1.45	
2. 1 - 2	38.71	0.46	
3. 3 - 4	13.61	1.98	
4. 5 & above	35.00	1.52	
5. n.r.	-	-	
6. total	100.00	1.16	

NATIONAL SAMPLE SURVEY, 31ST ROUND: JULY 1976-JUNE 1977

Table (4): Percentage distributions of estimated number of villages reporting (i) area entitled to water and (ii) area supplied with water from canals of major and medium irrigation projects and average area (i) entitled to water and (ii) supplied with water per reporting village by distance class of the head of the distributory from the village.

General sample		WEST BENGAL			
distance class (km)	percentage distribution of villages reporting area		average area entitled to water per reporting village (00 hectares)	average area supplied with water per reporting village (00 hectares)	
	entitled to water	supplied with water	(3)	(4)	
(0)	(1)	(2)	(3)	(4)	
<u>Kharif</u>					
1. less than 1	12.68	14.88	1.40	1.64	
2. 1 - 2	38.70	36.57	0.29	0.33	
3. 3 - 4	13.61	13.87	1.43	1.40	
4. 5 & above	35.01	34.68	1.40	0.94	
5. n.r.	-	-	-	-	
6. total	100.00	100.00	0.97	0.85	
<u>Rabi</u>					
1. less than 1	-	-	-	-	
2. 1 - 2	67.05	65.34	0.19	0.11	
3. 3 - 4	5.17	6.73	0.19	0.19	
4. 5 & above	27.78	27.93	1.61	2.10	
5. n.r.	-	-	-	-	
6. total	100.00	100.00	0.58	0.67	
<u>Summer</u>					
1. less than 1	6.59	9.45	0.11	0.11	
2. 1 - 2	32.97	24.15	0.33	0.26	
3. 3 - 4	26.19	37.53	0.25	0.24	
4. 5 & above	34.25	28.87	1.61	0.68	
5. n.r.	-	-	-	-	
6. total	100.00	100.00	0.74	0.36	

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976-JUNE 1977

Table (5): Percentage distribution of estimated number of minor irrigation works located in the village over type of irrigation and ownership type.

General Sample		WEST BENGAL				
type of irrigation		ownership type				a l l
		govern- ment	co-opera- tive	private		
(0)	(1)	(2)	joint	single	(5)	
1. flow:	(a) diversion scheme	0.10	0.09			0.19
	(b) tank			0.50	0.90	1.40
	(c) others	0.20	0.24	0.02		0.46
	(d) all	0.30	0.33	0.52	0.90	2.05
2. lift:	(a) well (Katcha)	0.04	0.02		9.90	9.96
	(b) well (pucca)	0.06			0.04	0.10
	(c) tube well	4.09	0.23	1.29	22.29	27.90
	(d) river	0.84	0.17	0.93	0.80	2.74
	(e) tank	0.44	0.21	17.76	35.52	53.93
	(f) others	0.26	0.11	0.03	2.43	2.83
	(g) all	5.73	0.74	20.01	70.98	97.46
3. wells	(a) with usable water					
not in use	(b) with not usable water			0.16	0.03	0.19
	(c) not with water	0.05		0.11	0.14	0.30
	(d) all	0.05		0.27	0.17	0.49
4. total		6.08	1.07	20.80	72.05	100.00

NATIONAL SAMPLE SURVEY, 31ST ROUND ; JULY 1976 - JUNE 1977

Table (1) : Percentage distribution of estimated number of villages reporting certain facilities over distance classes by item of facility

General sample

Delhi

i t e m (0)	distance class (k.m.)					26 & above (5)	n.r. (6)	total (7)
	0 (1)	1-5 (2)	6-10 (3)	11-25 (4)				
1. all weather road	95.24	4.76	-	-	-	-	-	100.00
2. bus stand	95.24	4.76	-	-	-	-	-	100.00
3. railway station	1.98	50.00	23.02	25.00	-	-	-	100.00
4. post office	47.22	52.78	-	-	-	-	-	100.00
5. electrical sub station	26.98	29.37	23.02	20.63	-	-	-	100.00
6. electrical goods shop	2.38	28.57	40.48	28.57	-	-	-	100.00
7. repair shop of :								
(a) electr. equipments	5.16	17.86	48.41	28.57	-	-	-	100.00
(b) pump sets	3.17	10.71	55.96	28.57	1.59	-	-	100.00
(c) agr. machinery	3.17	8.73	55.96	30.55	1.59	-	-	100.00
8. primary health centre	11.90	51.60	19.44	17.06	-	-	-	100.00
9. hospital	0.40	32.94	17.06	32.54	17.06	-	-	100.00
10. primary school	98.02	-	-	-	-	-	1.98	100.00
11. middle school	30.16	69.84	-	-	-	-	-	100.00
12. secondary school	14.68	83.34	1.98	-	-	-	-	100.00
13. coop. credit society	30.95	9.52	38.89	17.86	-	-	2.78	100.00
14. commercial bank	4.76	47.62	30.56	17.06	-	-	-	100.00
15. nearest market :								
(a) regulated	15.87	23.02	13.49	47.62	-	-	-	100.00
(b) unregulated	14.68	16.27	12.30	38.10	-	-	18.65	100.00
(c) hat	42.07	17.06	8.33	4.76	-	-	27.78	100.00

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (2) : Percentage distributions of estimated number of villages over agencies for supply of seed, fertiliser and pesticides

General sample		Delhi		
agency	seed	fertiliser	pesticides	
(0)	(1)	(2)	(3)	
1. no agency	47.49	47.49	49.42	
2. government	49.04	38.22	45.95	
3. co-operative society	3.47	14.29		
4. commercial			3.09	
5. others			1.54	
6. not recorded				
7. total	100.00	100.00	100.00	

Table (3) : Percentage distribution of estimated number of villages reporting area entitled to water from canals of major and medium irrigation projects and average command area per reporting village by distance class of head of the distributory from the village

General sample		Delhi	
distance (km.) of the head of the distributory from the villages	percentage distribution of villages reporting area entitled to water	average command area (hect.0.00)	
(0)	(1)	(2)	
1. less than 1			
2. 1 - 2			
3. 3 - 4			
4. 5 & above			
5. n.r.			
6. total	100.00		

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (5) : Percentage distribution of estimated number of **minor** irrigation works located in the village over type of irrigation and ownership type

General sample

Delhi

type of irrigation (0)	ownership type				
	govern- ment (1)	coopera- tive (2)	private		
			joint (3)	single (4)	a ll (5)
1. flow : (a) diversion scheme		0.10			0.10
(b) tank					
(c) others					
(4) all		0.10			0.10
2. lift : (a) well (katcha)					
(b) well (pucca)					
(c) tube well	1.74		1.03	5.53	6.56
(d) river			19.59	47.30	68.63
(e) tank					
(f) others					
(g) all	1.74			1.38	1.38
3. wells not in use (a) with usable water			20.62	54.21	76.57
(b) with not usable water			5.63	9.48	15.11
(c) not with water				5.92	5.92
(d) all			5.63	2.30	2.30
				17.70	23.33
4. total	1.74	0.10	26.25	71.91	100.00

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (1) : Percentage distributions of estimated number of villages reporting certain facilities over distance classes by item of facility

i t e m	distance class (k.m.)						total
	0	1-5	6-10	11-25	26&above	n.r.	
(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. all weather road	54.95	19.34	25.91				100.00
2. bus stand	54.48	14.15	29.72	0.94		0.71	100.00
3. railway station	2.12	21.93	3.07	17.92	51.42	3.54	100.00
4. post office	33.96	29.95	36.09				100.00
5. electrical sub station	3.53	8.73	37.03	16.04	34.67		100.00
6. electrical goods shop	2.83	22.41	32.78	16.27	25.71		100.00
7. repair shop of :							
(a) electr. equipments	2.83	20.05	23.58	18.16	35.38		100.00
(b) pump sets	2.59	20.76	21.93	18.40	36.32		100.00
(c) agr. machinery	1.41	7.55	33.96	20.05	37.03		100.00
8. primary health centre	22.17	35.14	10.61	6.37	25.71		100.00
9. hospital	11.79	9.55	29.48	24.76	26.42		100.00
10. primary school	87.74	12.26					100.00
11. middle school	50.71	22.64	26.65				100.00
12. secondary school	26.89	30.43	27.59	15.09			100.00
13. coop. credit society	42.69	20.99	31.84	1.89		2.59	100.00
15. commercial bank	30.90	17.92	15.09	10.38	25.71		100.00
15. nearest market :							
(a) regulated	4.95	21.70	45.99	25.94	1.42		100.00
(b) unregulated	33.49	7.78	41.51	4.95	0.71		100.00
(c) hat	22.17	6.13	48.59	11.79			100.00

General sample

Goa, Daman & Diu



NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (2) : Percentage distributions of estimated number of villages over agencies for supply of seed, fertiliser and pesticides

General sample		Goa, Daman & Diu		
agency	(0)	seed	fertiliser	pesticides
	(1)	(2)	(3)	
1. no agency		11.24	0.23	9.13
2. government		49.18	25.53	51.29
3. cooperative society		10.54	22.48	14.99
4. commercial		8.43	51.76	24.59
5. others		20.61	-	-
6. not recorded		-	-	-
7. total		100.00	100.00	100.00

Table (3) : Percentage distribution of estimated number of villages reporting area entitled to water from canals of major and medium irrigation projects and average command area per reporting village by distance class of head of the distributory from the village

General sample		Goa, Daman & Diu	
distance (km.) of the head of the distributory from the village	(0)	percentage distribution of villages reporting area entitled to water	average command area (hect 00) per reporting vill.
	(1)	(2)	
1. less than 1		-	-
2. 1 - 2		-	-
3. 3 - 4		-	-
4. 5 & above		-	-
5. n. r.		-	-
6. total		100.00	-

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

TABLE (1) : Percentage distribution of estimated number of villages reporting certain facilities over distance classes by item of facility

General sample

Pondicherry

i t e m	distance class (k.m.)					total
	0	1 - 5	6 - 10	11 - 25	26 & above	
(0)	(1)	(2)	(3)	(4)	(5)	(6)
1. all weather road	78.52	21.48				100.00
2. bus stand	58.31	38.62	3.07			100.00
3. railway station	2.05	59.85	26.85	11.25		100.00
4. post office	26.09	68.29	5.62			100.00
5. electrical sub station	9.46	76.73	4.60	5.37	1.28	100.00
6. electrical goods shop	2.05	31.71	39.13	27.11		100.00
7. repair shop of :						
(a) electr. equipments	2.05	31.71	39.13	27.11		100.00
(b) pump sets	1.28	24.30	47.31	27.11		100.00
(c) agr. machinery	1.79	24.30	46.80	27.11		100.00
8. primary health centre	7.42	92.58				100.00
9. hospital	5.37	78.01	12.53	4.09		100.00
10. primary school	82.35	17.65				100.00
11. middle school	27.62	72.38				100.00
12. secondary school	4.60	95.40				100.00
13. coop. credit society	8.44	91.30				100.00
14. commercial bank	2.30	75.45	13.55	8.70		100.00
15. nearest market :						
(a) regulated	2.51	60.87	15.09	22.51	1.02	100.00
(b) unregulated	2.81	80.31	9.72	7.16		100.00
(c) hat	1.28	74.17	20.20	4.35		100.00

NATIONAL SAMPLE SURVEY, 3<sup>rd</sup> ST ROUND : JULY 1976 - JUNE 1977

Table (2) : Percentage distributions of estimated number of villages over agencies for supply of seed, fertiliser and pesticides

General sample	Pondicherry			
	a g e n c y	s e e d	fertiliser	pesticides
	(0)	(1)	(2)	(3)
1. no agency	23.34	-	-	-
2. government	15.48	2.21	15.48	15.48
3. cooperative society	16.21	38.08	38.58	38.58
4. commercial	34.40	38.58	38.57	38.57
5. others	10.57	21.13	7.37	7.37
6. not recorded	-	-	-	-
7. t o t a l	100.00	100.00	100.00	100.00

Table (3) : Percentage distribution of estimated number of villages reporting area entitled to water from canals of major and medium irrigation projects and average command area per reporting village by distance class of head of the distributory from the village

General sample	Pondicherry	
	percentage distribution of villages reporting area entitled to water	average command area (hect. 00) per reporting village
distance class (k.m.)	(1)	(2)
(0)	(1)	(2)
1. less than 1	-	-
2. 1 - 2	-	-
3. 3 - 4	-	-
4. 5 & above	100.00	1.60
5. n. r.	-	-
6. t o t a l	100.00	1.60

NATIONAL SAMPLE SURVEY, 31ST ROUND : JULY 1976 - JUNE 1977

Table (4) : Percentage distributions of estimated number of villages reporting (i) area entitled to water and (ii) area supplied with water from canals of major and medium irrigation projects and average area (i) entitled to water and (ii) supplied with water per reporting village by distance class of the head of the distributory from the village

General sample		Pondicherry		
distance class(k.m.)	percentage distribution of villages reporting area		average area entitled to water per reporting village (hect.00)	average area supplied with water per reporting village (hect.00)
	entitled to water	supplied with water		
(0)	(1)	(2)	(3)	(4)
<u>Kharif</u>				
1. less than 1	-	-	-	-
2. 1 - 2	-	-	-	-
3. 3 - 4	-	-	-	-
4. 5 & above	100.00	100.00	1.60	1.40
5. n . r.	-	-	-	-
6. total	100.00	100.00	1.60	1.40

Table (5) : Percentage distribution of estimated number of minor irrigation works located in the village over type of irrigation and ownership type

General sample		Pondicherry			
type of irrigation	ownership type				
	government	coopera- tive	private		a l l
(0)	(1)	(2)	joint	single	(5)
1. flow iv (a) diversion scheme	0.07	-	-	-	0.07
(b) tank	1.32	0.08	-	-	1.40
(c) others	-	-	-	-	-
(d) all	1.39	0.08	-	-	1.47
2. lift : (a) well (katcha)	0.77	-	-	3.75	4.52
(b) well (pucca)	-	-	1.05	7.33	8.38
(c) tube well	-	-	0.77	51.43	52.20
(d) river	-	-	-	7.66	7.66
(e) tank	0.02	-	-	-	0.02
(f) others	-	-	-	-	-
(g) all	0.79	-	1.82	70.17	72.78
3. wells not in (a) with usable water	-	-	-	-	-
(b) with not usable water	-	-	-	-	-
(c) not with water	-	-	-	-	-
(d) all	-	-	-	-	-
4. others	3.50	-	16.16	6.09	25.75
5. total	5.68	0.08	17.98	76.26	100.00

Appendix -II

Sample Design and Estimation Procedure

1. The sample design and estimation procedure adopted for canvassing the village schedule 3.1 - General Information on Irrigation - of the Irrigation Survey, NSS 31st Round from a general sample of 8304 villages of the Central Sample is described below.
2. Sample design and frame : A stratified sampling design was adopted for the survey. 1971 census list of villages was the frame for sample selection.
3. Stratification : There were 63 regions all over India coming under the geographical coverage of the present survey. These regions were formed during 1965 in such a way that they did not cut across the State/Union Territory boundaries. Excepting a few regions in some states, none of the regions cut across district boundaries. Each district with 1971 census rural population less than 1.5 million formed one basic stratum. Districts with more than 1.5 million 1971 census rural population were divided into two or more basic strata by grouping contiguous tehsils (or sub-divisions in the States of Bihar, Orissa and West Bengal) on consideration of homogeneity in respect of density of rural population, crop pattern etc. so that the rural population of each basic stratum, so formed, was less than 1.5 million.
4. Determination of sample size : The sample size in each State/Union Territory was decided taking into consideration available strength of the field staff and resources required for other subjects of enquiry of this NSS Round.
5. Allocation of sample size : Total number of sample villages a/ for/state was first allocated to different regions roughly in proportion to the total irrigated area in them. The regional allocation was then distributed among the constituent strata in proportion to population.

6. Sample selection : Within each stratum, allocated number of villages was selected with probability proportional to 1971 census population and with replacement.
7. Revenue village : Unit of sample selection was census village. But unit of survey was the revenue village or villages corresponding to the selected census village.
8. Estimation procedure : The following notations were used for obtaining various estimates :

- r = subscript for rth region of a state/u.t.
- s = subscript for sth stratum
- i = subscript for ith surveyed village
- f = adjustment factor for revenue village survey
- p = village population used for selection
- m = number of surveyed villages
- n = number of selected villages
- p = rural population used for selection
- y = value of a characteristic
- Y = total of the characteristic y
- $\hat{y}$  = estimate of y

An estimate of the total of Y at region level is given by

$$\hat{Y}_r = \sum_s \frac{P_{rs}}{m_{rs}} \sum_{i=1}^{m_{rs}} \frac{y_{rsi}}{f_{rsi}} p_{rsi} \quad \text{where } \sum_s \text{ denotes}$$

summation over all the strata in the rth region.

An estimates for a state/U.T. is given by the simple total of the estimates over all the regions in the state/u.t. concerned. Similarly, the all India estimate is obtained by summing the estimates over all the states and union territories