



THE UNION TERRITORY

OF

# PONDICHERRY

REPORT ON THE SURVEY OF EDUCATIONAL, DRINKING  
WATER AND OTHER FACILITIES IN VILLAGES  
PONDICHERRY & KARAIKAL REGIONS

*Issued by*

BUREAU OF STATISTICS & EVALUATION  
GOVERNMENT OF PONDICHERRY

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OF  
P O N D I C H E R R Y

Survey on Educational, Drinking Water and Other  
Facilities in Villages  
Pondicherry and Karaikal Regions (1964-65)

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## INTRODUCTION

The Bureau of Statistics & Evaluation, since its inception, has been collecting regularly statistics relating to progress of plan schemes under the Five Year Plans and publishing the same in the Annual Abstract of Statistics. Recently the Programme Evaluation Organisation in the Planning Commission has recommended that in addition to annual progress analysis of five year plans, some arrangements should be made at the state level for evaluation of selected programmes. In pursuance of this recommendation, an evaluation cell has been set up in the Bureau during the year 1964-65 to take up evaluation studies. In the first instance, a pilot sample survey has been undertaken in Pondicherry and Karaikal Block areas in order to assess the availability of certain ~~basic~~ facilities such as drinking water, education and other facilities in the rural areas. This report briefly summarises the findings of the survey on education, drinking water and other facilities in the villages.

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Pondicherry,

22nd December, 1965.

Survey on education, drinking water and other  
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1. Objective :-

The object of this survey is to ascertain the extent education facilities are available in the villages and to throw light on the nature of equipment in the schools and training status of teachers. Besides, information was collected on drinking water facilities in the villages and other facilities such as proximity to railway station, bus stop, primary health centre etc.

2. Sample design :-

The enquiry was conducted in Pondicherry and Karaikal regions. Lists of villages in all the V.L.W. circles of these two blocks were obtained from the Block Development Officers, and one village was selected at random from each V.L.W. circle. Thus thirty villages were selected in Pondicherry region and ten villages in Karaikal region. The names of villages selected for the survey with their population as per 1961 census are given in Appendix I.

3. Schedule :-

The schedule designed for this survey by the Programme Evaluation Organisation, Planning Commission, in connection with the study of the impact of plan programmes on levels of living, consumption and employment, has been used.

4. Method of enquiry :-

Selection of villages was done by this Bureau and the field work was carried out by the village level workers and the Extension Officers (Statistics) of the respective blocks.

Detailed instructions regarding the survey were given to the Extension officers (Statistics) and the V.L.W.'s, explaining the different sources from which information could be collected, and the method of filling in the schedules.

Summary results

5. Schools

5.1 Number of schools :- Out of 30 villages selected for the survey in Pondicherry region, 14 villages (47%) have no school, 12 villages (40%) have each one school and the remaining 4 villages (13%) have each two schools, thus making a total of 20 schools. In Karaikal region out of 10 sample villages, only one village (10%) has no school, eight villages (80%) have each one school, and the remaining one village (10%) has two schools; thus making a total of 10 schools. The distribution of sample villages by number of schools is given in the following table :

Distribution of sample villages by number of schools

S.No.	Particulars	Pondicherry Region		Karaikal Region	
		Number of villages	Percentage of col.3 to total	Number of villages	Percentage of col.5 to total
1	2	3	4	5	6
	Number of villages having				
1.	No school	14	46.7	1	10.0
2.	1 school	12	40.0	8	80.0
3.	2 schools	4	13.3	1	10.0
4.	3 schools and more	-	-	-	-
	Total	30	100.0	10	100.0

5.2 Type of schools :- Out of 20 schools in Pondicherry region, one is nursery school, 2 single teacher schools, 10 primary schools, 5 middle schools and 2 high schools. In Karaikal region, out of 10 schools 3 are single teacher schools, 5 primary schools and 2 middle schools. The above information is given in the following table :

Distribution of schools by type in the sample villages

S.No.	Type of schools	Number of schools	
		Pondicherry Region	Karaikal Region
1	2	3	4
1	Nursery school	1	-
2	Single teacher school	2	3
3	Primary school	10	5
4	Middle school	5	2
5	High school	2	-
Total		20	10

5.3 School equipments :- Particulars regarding the equipments in the schools such as black boards, sitting arrangements etc., were also collected and the information regarding the number of schools having each facility and the number of schools where the facility is adequate, is given in the following table :

Distribution of schools by facility in the sample villages

S.No.	Facility	Pondicherry Region		Karaikal Region	
		Schools having facility	Schools where facility is adequate	Schools having facility	Schools where facility is adequate
1	2	3	4	5	6
1.	Building	20	15	10	8
2.	Black-board	20	15	10	8

1	2	3	4	5	6
3.	Sitting arrangements :-				
	a) Benches with desk	8	6	10	9
	b) Benches only	19	13	3	1
	c) Desks only	8	4	1	-
4.	First aid box	17	17	2	2*
5.	Library	8	5	1	-
6.	Laboratory	2	2	-	-
7.	Craft equipment	6	5	1	1
8.	Sports items	6	5	2	2

It can be seen that all the schools in the sample villages in Pondicherry and Karaikal regions have building and black-board facilities, and in 75 per cent of the schools these facilities are adequate. In Pondicherry library facilities are provided in eight out of 20 schools and only in five of them these facilities are adequate. In Karaikal, only one school has got a library which is also inadequate.

5.4 Scheduled caste students :- The sample villages having schools are classified according to the percentage of scheduled caste students to total number of students and the position is shown in the following table :-

Distribution of sample villages by percentage of scheduled caste students to total number of students

S.No.	Percentage of scheduled caste students to total number of students	Number of sample villages	
		Pondicherry Region	Karaikal Region
1	2	3	4
1.	Zero	3	1
2.	Below 10%	5	-
3.	10% to 25%	4	3
4.	25% to 50%	3	4
5.	50% to 75%	1	1
6.	Above 75%	-	-
Total		16	9

It may be seen that in Pondicherry region out of 16 sample villages (having schools), there are no scheduled caste students in 3 villages, below 10% scheduled caste students in 5 villages, 10 to 25% in 4 villages, 25 to 50% in 3 villages and 50 to 75% in the remaining one village. In Karaikal region out of 9 sample villages (having schools), there are no scheduled caste students in 1 village, 10 to 25% in 3 villages, 25 to 50% in 4 villages and 50 to 75% in the remaining one village.

5.5 Teachers :- The distribution of schools by number of teachers is given in the following table :

Distribution of schools by number of teachers

S.No.	Particulars	Pondicherry Region		Karaikal Region	
		Number of schools	Percentage of col.3 to its total	Number of schools	Percentage of col.5 to its total
1	2	3	4	5	6
Schools having					
1.	One teacher	8	40	5	50
2.	Two teachers	4	20	2	20
3.	Three teachers	1	5	1	10
4.	Four teachers	2	10	-	-
5.	Five teachers and more	5	25	2	20
Total		20	100	10	100

From the above table it may be seen that out of 20 schools in Pondicherry region, 8 schools or 40% have each one teacher, 4 schools or 20% have each two teachers and the remaining 8 schools or 40% have each three teachers or more. In Karaikal region, out of 10 schools 5 schools or 50% have each one teacher, 2 schools or 20% have each two teachers and the remaining 3 schools or 30% have each three teachers or more.



5.6 Training status of teachers :- The following table deals with the distribution of villages and schools by percentage of trained teachers.

Distribution of sample villages and schools by percentage of trained teachers

S.No.	Percentage of trained teachers to total number of teachers	Pondicherry Region		Karaikal Region	
		Number of villages	Number of schools	Number of villages	Number of schools
1	2	3	4	5	6
1.	Zero	1	2	1	1
2.	Below 25%	-	-	-	-
3.	25% to 50%	2	2	-	-
4.	50% to 75%	1	1	-	-
5.	75% to 100%	12	15	8	9
Total		16	20	9	10

It may be noted that more than 75% of teachers are trained in 15 out of 20 schools in Pondicherry region and in 9 out of 10 schools in Karaikal region.

5.7 Sex and age groups :- The classification of teachers according to sex and age groups is given in the following table :

Distribution of teachers by sex and age groups

S.No.	Age groups	Number of teachers					
		Pondicherry Region			Karaikal Region		
		Male	Female	Total	Male	Female	Total
1	2	3	4	5	6	7	8
1.	20 years and below	2	-	2	1	-	1
2.	20 - 25	22	8	30	12	2	14
3.	25 - 30	16	8	24	10	1	11
4.	30 - 40	17	1	18	7	1	8
5.	40 - 50	8	1	9	1	1	2
6.	50 - 60	2	-	2	-	-	-
7.	Above 60	-	-	-	-	-	-
Total		67	18	85	31	5	36

The highest number of teachers is found in the age group 20-25 both in Pondicherry and Karaikal regions. In Pondicherry 18 out of 85 teachers (21%) are females, and in Karaikal 5 out of 36 teachers (14%) are females.

5.8 Qualifications of teachers :- The following table deals with classification of teachers by general education.

Distribution of teachers by general education

S.No.	Particulars	Pondicherry Region		Karaikal Region	
		Number of teachers	Percentage of col.3 to total	Number of teachers	Percentage of col.5 to total
1	2	3	4	5	6
1.	Post-graduate	3	3	-	-
2.	Graduate	7	8	-	-
3.	Intermediate & P.U.C.	4	5	2	6
4.	Matric, S.S.L.C. & Brevet	54	64	28	78
5.	E.S.L.C., III Form and Certificat Elementaire )	9	11	5	14
6.	Others (Crafts, Music etc.,)	8	9	1	2
Total		85	100	36	100

In Pondicherry region 11% of teachers are graduates and above, 5% intermediate or P.U.C., 64% Matric., S.S.L.C., or Brevet. In Karaikal region there are no graduate teachers, 6% of teachers are intermediate or P.U.C., 78% are Matric., S.S.L.C., or Brevet.

5.9 Residence of teachers :- The distribution of teachers by distance of their place of residence from the schools is given in the following table :

Distribution of teachers by distance of place of residence from school

S.No.	Particulars	Number of teachers	
		Pondicherry Region	Karaikal Region
1	2	3	4
1.	Place of residence situated in the same village as the school	10	17
2.	Place of residence outside the village :		
	a) Within 3 miles	26	7
	b) 3 - 5 miles	36	3
	c) Over 5 miles	13	9
	Total	85	36

In Pondicherry region 10 out of 85 teachers or 12% reside within the village. In Karaikal region 17 out of 36 teachers or 47% reside within the village

6. Drinking water facilities

6.1 Availability of drinking water facilities :- Particulars regarding drinking water facilities such as wells, taps, hand-pumps, over-head-tanks etc., were also collected. It is found that all the sample villages in Pondicherry and Karaikal regions have drinking water facilities and possess one or more kinds of sources mentioned above. The following table shows the number of sample villages having each source of drinking water.

Distribution of sample villages according to sources of drinking water

S.No.	Sources	Number of villages	
		Pondicherry Region	Karaikal Region
1	2	3	4
1.	Well	23	6

1	2	3	4
2.	Tap	7	4
3.	Hand-pump	4	7
4.	Over-head tank	8	1
5.	Tube well	2	-
6.	Tank	1	7
7.	River	-	5

It may be seen from the above table that 23 sample villages (77%) in Pondicherry region and 6 villages (60%) in Karaikal region have got wells. 7 villages (23%) in Pondicherry and 4 villages (40%) in Karaikal have got taps.

6.2 Sources of drinking water :- In the sample villages of Pondicherry region there are 67 wells, 34 taps, 7 hand pumps, 10 over-head tanks, 3 tube wells and 1 tank making a total of 122 Units. Out of these units, 76 units are usable by all, 18 usable by scheduled castes only and 28 usable by others only. In the sample villages of Karaikal region there are 21 wells, 41 taps, 27 hand pumps, 1 over-head tank, 21 tanks and 5 rivers making a total of 116 units. Out of these units 41 are usable by all, 27 usable by scheduled castes only and 48 usable by others only. The different sources of drinking water in Pondicherry and Karaikal regions are shown in the following table :

Sources of drinking water in the sample villages

S.No.	Region/Source	Number of units usable by			Total
		All	Scheduled castes only	Others only	
1	2	3	4	5	6

Pondicherry Region

1.	Wells	29	14	24	67
2.	Tap	33	1	-	34
3.	Hand-pump	3	-	4	7

	1	2	3	4	5	6
4. Over-head tank			8	2	-	10
5. Tube well			2	1	-	3
6. Tank			1	-	-	1
7. River			-	-	-	-
			-----			
Total			76	18	28	122
-----						
<u>Karaikal Region</u>						
1. Well			6	8	7	21
2. Tap			1	13	27	41
3. Hand-pump			12	4	11	27
4. Over-head tank			1	-	-	1
5. Tube well			-	-	-	-
6. Tank			16	2	3	21
7. River			5	-	-	5
			-----			
Total			41	27	48	116
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6.3 Distance of the sources of Drinking water :- In Pondicherry region it is found that out of 122 units, 116 units (nearly 95%) are within the sample villages, 4 units are situated within 1 Km. from the sample villages, and the remaining 2 units above 1 Km. from the sample villages. In Karaikal region, out of 116 units 110 units (nearly 95%) are within the sample villages, and 6 units are situated within a distance of 1 Km. from the sample villages.

The following table shows the position in further details :

Distribution of sources of drinking water by distance of the source from the sample village

S.No.	Region/Source	Number of units			Total
		Within the village	Within 1 Km. from the village	Above 1 Km. from the village	
1	2	3	4	5	6

Pondicherry Region

1.	Well	66	1	-	67
2.	Tap	32	1	1	34
3.	Hand-pump	6	-	1	7
4.	Over-head tank	10	-	-	10
5.	Tube well	1	2	-	3
6.	Tank	1	-	-	1
7.	River	-	-	-	-
	Total	116	4	2	122

Karaikal Region

1.	Well	20	1	-	21
2.	Tap	39	2	-	41
3.	Hand-pump	26	1	-	27
4.	Over-head tank	1	-	-	1
5.	Tube well	-	-	-	-
6.	Tank	20	1	-	21
7.	River	4	1	-	5
	Total	110	6	-	116

## 7. Other facilities

7.1 Availability of other facilities :- Besides education and drinking water facilities, information was also collected on other facilities like proximity to railway station, bus stop, post office, marketing centre etc. The distribution of sample villages in Pondicherry and Karaikal regions by distance of the facility from village is given in the following tables :

### Distribution of sample villages by distance from facilities

S.No.	Region/Facility	No. of villages having facility in the village	Number of villages having facility at a distance of						
			2 Km. from vil- lage	2-4 Km.	4-6 Km.	6-8 Km.	8-10 Km.	10-15 Km.	Above 15 Km.
1	2	3	4	5	6	7	8	9	10

#### Pondicherry Region

1.	Railway station	-	2	5	10	4	7	2	-
2.	Bus stop	13	13	-	3	-	-	1	-
3.	Post Office	6	17	5	2	-	-	-	-
4.	Nearest town	-	4	2	5	4	3	9	3
5.	Marketing centre	1	2	5	6	4	2	7	3
6.	Radio	14	13	2	1	-	-	-	-
7.	Primary health centre	3	11	9	4	-	2	1	-
8.	Doctor	3	11	6	3	1	5	1	-
9.	Primary school	15	14	1	-	-	-	-	-
10.	Secondary school	2	11	7	4	3	3	-	-

#### Karaikal Region

1.	Railway station	2	3	2	1	1	-	1	-
2.	Bus stop	5	4	-	-	1	-	-	-
3.	Post office	1	8	1	-	-	-	-	-
4.	Nearest town	1	4	2	1	1	-	1	-
5.	Marketing centre	-	5	1	1	1	1	1	-
6.	Radio	5	2	1	1	1	-	-	-
7.	Primary health centre	1	5	2	1	-	1	-	-
8.	Doctor	1	6	1	1	-	1	-	-
9.	Primary school	9	1	-	-	-	-	-	-
10.	Secondary school	-	5	2	1	1	1	-	-

It may be seen that in Pondicherry region the percentages of sample villages having bus stop, post office, radio and primary schools within the villages are 43%, 20%, 47% and 50% respectively. In Karaikal region the percentages of sample villages having bus stop, post office, radio and primary schools within the villages are 50%, 10%, 50% and 90% respectively.

7.2 Type of road to other facilities :- The sample villages which have facilities like railway station, bus stop etc., outside the villages are classified according to type of road from sample village to facility. The following table shows the position in detail :

Distribution of sample villages by type of road from village to facility

S.No.	Facility	Pondicherry Region				Karaikal Region			
		Motorable		Non-motorable		Motorable		Non-motorable	
		Metal- led	Non- Metal- led	Metal- led	Non- Metal- led	Metal- led	Non- Metal- led	Metal- led	Non- Metal- led
1	2	3	4	5	6	7	8	9	10
1.	Railway station	21	4	-	5	3	3	-	2
2.	Bus stop	7	4	-	6	-	3	-	2
3.	Post office	15	3	-	6	4	3	-	2
4.	Nearest town	24	2	-	4	6	1	-	2
5.	Marketing centre	22	3	-	4	6	2	-	2
6.	Radio	14	-	-	2	2	1	-	2
7.	Primary health centre	19	2	-	6	5	2	-	2
8.	Doctor	20	3	-	4	5	2	-	2
9.	Primary school	10	2	-	3	-	-	-	1
10.	Secondary school	21	3	-	4	5	3	-	2

From the above table it may be seen that in Pondicherry region 21 villages (70% of sample villages) and in Karaikal region 3 villages (30%) have metalled and motorable roads from village to railway station. 80 per cent of villages in Pondicherry and 60 per cent in Karaikal have metalled and motorable roads from village to the nearest town.



## APPENDIX

Names of villages selected for the survey

S.No.	Region/Commune/Village	Population (1961 census)
1	2	3
I <u>PONDICHERRY REGION :</u>		
<u>Bahour Commune</u>		
1.	Panayadikuppam	623
2.	Moorthikuppam	423
3.	Keelparikalpet	432
4.	Kudiyiruppupalayam	476
<u>Ariankuppam Commune</u>		
5.	Odaveli	501
6.	Thavalakuppam	542
7.	Kasanthittu	83
<u>Mudaliarpet Commune</u>		
8.	Kalarpet	451
9.	Nainarmandapam	412
<u>Ozucarai Commune</u>		
10.	Muthulingampet	184
11.	Shanmugapuram	1,254
12.	Reddiarpalayam	1,181
13.	Sanjeevirayanpet	554
14.	Muthirapalayam	398
15.	Thiruvallakeni	242
<u>Nettapakkam Commune</u>		
16.	Nathamedu	259
17.	Vadukuppam	269
18.	Korkadu	1,260
<u>Villianur Commune</u>		
19.	Athuvaikalpet	40
20.	Sedarapet	1,482

1	2	3
21.	Keelasathamangalam	983
22.	Narimedu	369
23.	Sivaranthagam	624
24.	Poraiyur	726
	<u>Mannadipet Commune</u>	
25.	Thirukkanur	1,365
26.	Vinayagampet	355
27.	Suthukeni	884
28.	Sanniyasikuppam	577
29.	Madagadipet	784
30.	Kaikalapet	308
II	<u>KARAIKAL REGION :</u>	
i.	<u>Karaikal Commune</u>	
1.	Patchur	235
2.	Kovilpattu	1,963
	<u>Thirunallar Commune</u>	
3.	Kannapur	186
4.	Thirunallar	2,030
5.	Elayankudy	428
	<u>Neravy Commune</u>	
6.	Manamutty	232
	<u>Nedungadu Commune</u>	
7.	Ponbathy	730
8.	Melakasakudy	1,235
	<u>Kottuchery Commune</u>	
9.	Keezhakasakudy	928
	<u>Grand Aldee Commune</u>	
10.	Keezhaiyur	548