

GOVERNMENT OF GOA

DIRECTORATE OF EDUCATION

FIFTH ALL INDIA EDUCATION SURVEY

DISTRICT SURVEY REPORT

FOR

NORTH GOA DISTRICT

NIEPA DC



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OFFICE OF THE A.D.E.I., MAPUSA

AND DISTRICT SURVEY OFFICER

FOR NORTH GOA DISTRICT

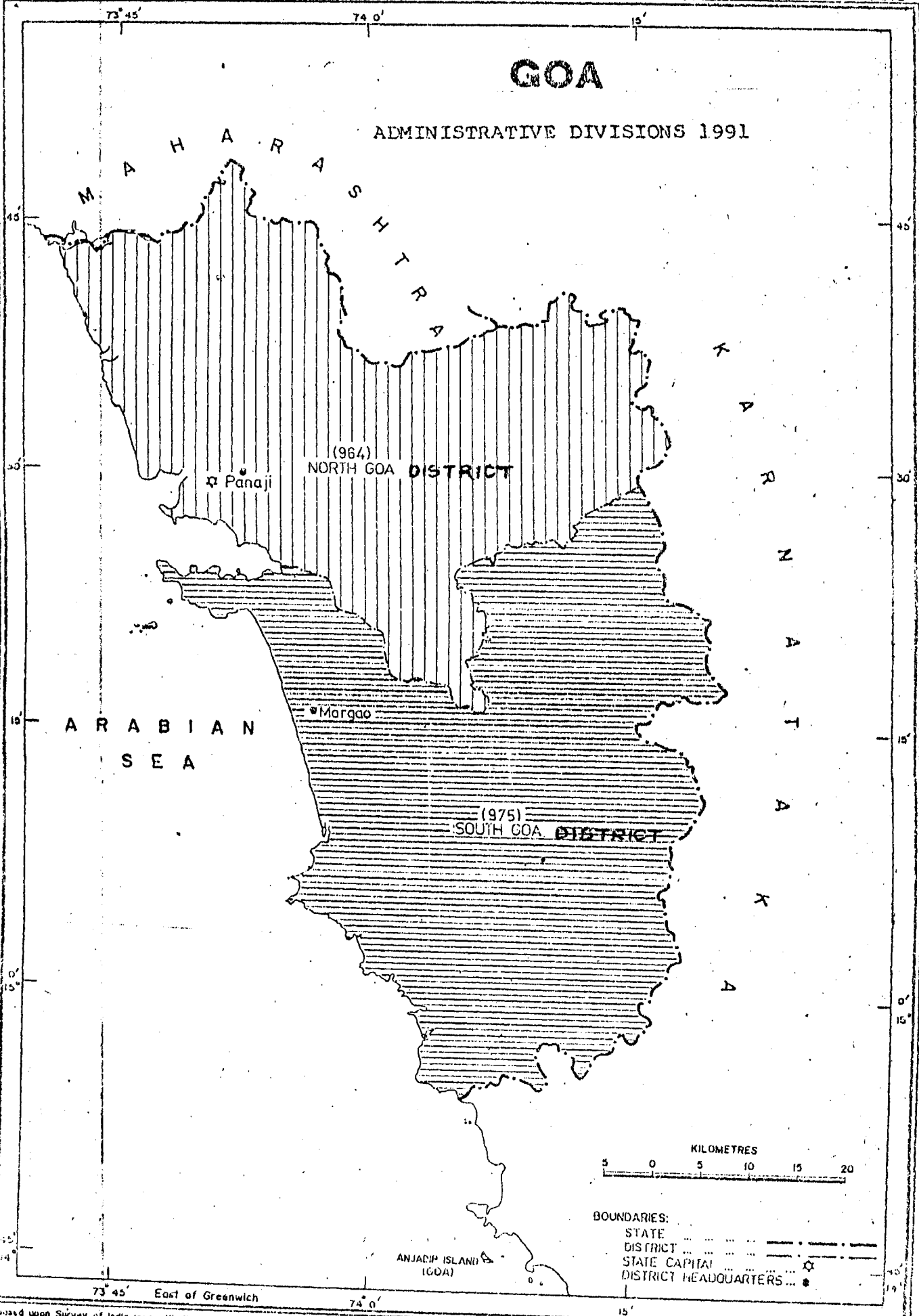
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# GOA

## ADMINISTRATIVE DIVISIONS 1991



Based upon Survey of India map with the permission of the Surveyor General of India.  
 The territorial waters of India extend into the sea to a distance of twelve nautical miles measured from the appropriate base line.

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F O R E W O R D

The findings of the Fifth All India Educational Survey in respect of North Goa district of Goa State are presented in this report. It had been an onerous job for the District Survey Officer Shri. V.D. Nadgouda and his team of teachers who assisted him in compilation and tabulation of data not only at district level but also at block levels. In spite of the fact that Shri.V.D.Nadgouda was transferred to the State Literacy Mission, he was good enough to complete the assignment of preparing the present report given to him earlier.

It is hoped that the data presented in the report shall be useful to educationists, researchers, administrators and policy makers. I take this opportunity to thank Shri. V. D. Nadgouda, now Vice Principal, Government Higher Secondary School, Pernem, Goa and his team of teachers from North Goa District who assisted him in compilation and presentation of the statistical data.

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Place: Panaji

Date : December, 1991





## FIFTH ALL INDIA EDUCATIONAL SURVEY

## DISTRICT SURVEY REPORT

## NORTH GOA DISTRICT

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IMPORTANT INFORMATION

		<u>STATE</u>	<u>DISTRICT</u>
Population (1991 Census):	Total	11,68,622	6,63,773
	Rural	6,89,201	4,38,897
	Urban	4,79,421	2,24,876
Growth Rate of Population (1981-91) Annual:	Total	+ 15.96	+ 16.86
	Rural	+ 0.62	+ 6.57
	Urban	+ 48.53	+ 43.99
Percentage of Urban Population:		41.02	33.88
		<u>1981</u>	<u>1991</u>
Literacy Rate:	Persons	57.25	76.96
	Males	65.99	85.48
	Females	48.29	68.20
		60.00	NA
		70.00	NA
		50.00	NA
No. of Blocks, Villages, Urban Areas, etc.	Edu. Blocks	10	6
	Dev. Blocks	10	6
	Assembly Const.	40	23
Villages (1981)	Total	407	245
	Inhabited	398	242
	Uninhabited	9	3
Villages (1986)	Total	409	246
	Inhabited	401	243
	Uninhabited	8	3
Urban Areas (1981)		9	4
Urban Areas (1986)		9	4
Habitations		2,465	1,230
Panchayats		183	118
Enrolment: Classes I-V	Boys	78,985	44,274
	Girls	71,295	40,683
	Total	1,50,280	84,957
Classes VI-VIII	Boys	42,164	23,906
	Girls	35,093	20,275
	Total	77,257	44,181
Classes IX-X	Boys	19,059	11,048
	Girls	15,359	8,839
	Total	34,418	19,887
Classes XI-XII (including classes attached to colleges)	Boys	7,107	3,793
	Girls	6,161	3,134
	Total	13,268	6,927
Grand Total	Boys	1,47,315	83,021
	Girls	1,27,808	72,931
	Total	2,75,223	1,55,952





FIFTH ALL INDIA EDUCATIONAL SURVEY

DISTRICT SURVEY REPORT

NORTH GOA DISTRICT

CHAPTER-I

GENERAL INFORMATION

1.1 This report is an attempt to ascertain the provision of educational facilities in the North Goa District as on 30th September, 1986, the reference date for the Fifth All India Educational Survey. The North Goa District comprises six blocks (talukas) viz. (1) Bardez, (2) Bichelim, (3) Pernem, (4) Ponda (5) Sattari, (6) Tiswadi. The District is bounded on the north by river Terekhel and the neighbouring State of Maharashtra on the other side of the river. On its south lies the South Goa District, on the eastern side lies the other neighbouring state namely Karnataka and on western side lies the Arabian Sea.

The population of the North Goa District as per the census of 1981, is 5.68 lakhs of which 4.12 lakhs (72%) reside in the rural areas and the remaining 1.56 lakhs in urban areas. Of the total population of the district, 50.5% are males and the remaining 49.5% females. The population belonging to Scheduled Castes is 13,498 which is 2.38% of the total population of the district. Also, the population belonging to the Scheduled Tribes is 140 i.e. 0.02% of the total population. The population density in the district is 331 persons per sq.mt. as against 272 in the State.



The literacy rate as per the census of 1981 is 60% for the overall population and 50% for females in particular. The male literacy rate is 70% which is 20% higher than the female literacy.

The total area of the district is 1,713.9 sq.kms. Tiswadi is the smallest block measuring only 197.0 sq.kms. whereas Sattari is the biggest block with 499.0 sq.kms area. However, the population density in Tiswadi block is the highest viz. 667 persons per sq.km. Panaji, the capital of the State, is situated in this block. The population density in the Sattari block is the lowest viz. 82 persons per sq.km.

The total number of inhabited villages in the district is 243 with a total of 1,230 habitations as per the present survey. There are 6 urban areas in the district viz. the towns of (1) Panaji, (2) Mapusa, (3) Ponda (4) Bicholim (5) Pernem (6) Valpoi at present.

Agriculture is the main occupation of the people in the district particularly in the rural areas. The main food crops grown are paddy, ragi, pulses and vegetables as well as coconuts, arecanuts, cashewnuts, etc. Pine-apples, jackfruits, are also grown in abundance. There are industrial estates in each of the blocks, with the exception of Sattari. The main industrial products are pharmaceuticals, T.V.sets, electronic equipment photographic equipments, paints, maps, tyres for scooters, cars and agricultural etc. There is a sugar factory



in the cooperative sector as well as automobile unit of the TELCOs. There are a number of cashew processing units in the district. The traditional handicraft products such as decorative brass lamps from Bichelim are quite famous and there are centres to promote this craft as well as wood craft, pottery, and even food craft. The state level Kala Academy located at Panaji which takes care of preservation and development of culture is also located at Panaji, the State Capital City.

### 1.2 Pattern of Education Followed

Formal education in the district starts at the age of 5+ as that in the State. The pattern of education followed is 10+2+3. However, stds. I to IV are considered as primary stage of education, stds. V to VII as middle (upper primary) education and stds. VIII to X are considered as secondary education. Diversification takes place mainly after higher secondary stage. There are professional colleges in the fields of medicine, dentistry, engineering, pharmacy, law, architecture, fine arts, and dance as well as teachers' training. There are a number of colleges and higher secondary schools in the streams of arts, science and commerce. A University has also been established, named Goa University, at Bambelim (Tiswadi) since 1985.



Diversification in selected vocational streams at 10+ stage is also being gradually introduced. There are two polytechnics in the district run by the State Government. These train boys and girls in diplomas in civil, mechanical, electrical, electronic, mining engineering, etc.

1.3 The Fifth All India Educational Survey in the District

The Fifth All India Educational Survey conducted all over the country was the fourth survey in Goa State; the Second All India Educational Survey of 1986 being the first one in this part of the country. The reference date for the present survey was 30th September, 1986 and all the data collected relates to it. For collecting the data, 3 sets of forms were used namely VIF, detailing village-wise information on availability of educational facility in all the habitations, UIF collecting detailed information concerning the urban areas and educational facilities available therein. The third set of forms used was SIF, to collect information as regards type of educational facilities, equipment, buildings, teachers, other relevant material, etc. available at individual schools. Information in VIF and UIF was collected through the seniormost teachers in the respective areas whereas the SIF was filled in by the principals/headmasters of the respective schools catering to education from stds. I to XII i.e. covering the educational facilities available upto higher secondary stage.





The various principals and headmasters who collected the information using the three sets of forms referred to above were given a thorough training by the respective Block Survey Officers who were generally the senior A.D.E.I.s from the respective blocks. These Block Education Officers underwent a thorough training course in understanding the concepts involved in the survey as also how to fill in various proformas precisely and accurately. Such a training was organised at the state level by the Directorate of Education in the first instance and officers trained from the state level training workshop conducted training in their respective blocks in 2 to 3 batches for the benefit of principals/headmasters catering to education in different media viz. Marathi and English.

The state level training workshop was conducted between 17th and 20th August, 1987. The said state level training workshop was also conducted by two senior officers from the NCERT dealing with the subject matter. The Block Education Officers in their turn conducted the training workshop in their respective areas during September-October, 1987.

The principals/headmasters of various government and government recognised schools submitted the requisite information to the Block Coordinators by November, 1987. The information submitted by the heads of the different recognised educational institutions was scrutinized by the A.D.E.I.s in the taluka under overall supervision of the concerned Block Coordinators and corrections were carried out wherever necessary. The Block Coordinators themselves also conducted further scrutiny on the sample



scale to ascertain a high degree of accuracy to the data collected.

Based on the information submitted by the different recognised schools, block level data was compiled by the Block Coordinators with the assistance from 4 to 5 knowledgeable teachers wellversed in mathematics and such survey works in the past. The block tables generated by the Block A.D.E.I.s were checked by Dr. Bansal and Dr. Rao, both from the NCERT in respect of 3 blocks and the data for remaining blocks were checked by the State Survey Officer himself.

Based on the block tables, district level tables were generated for North Goa District by the District Coordinators duly assisted by the respective Block Coordinators and one or two teachers from each of the blocks covered by the district. This work was also supervised clearing doubts and difficulties on various occasions. The district tables were ready by May, 1988.

For the present survey each of the revenue villages was considered as a village and VIF set of farms canvassed therefor. All the habitations in each of the villages were covered. For the purpose of the present survey a habitation was considered as a group of houses in close-proximity with each other forming a part of the respective village. In other words a distinct cluster of houses existing in a compact and contiguous manner with a local name was considered as



a habitation. The table below gives the number of villages, habitations and urban areas for each of the blocks in the district.

Table - 1.1

No. of Blocks, Villages, Habitations,  
Towns in North Goa District.

Sr. No.	Name of the Block	No. of Villages	No. of Habitations	No. of Towns
1	2	3	4	5
1.	Bardex	43	333	1
2.	Bicholim	28	173	1
3.	Pernem	27	180	1
4.	Sattari	76	123	1
5.	Ponda	31	241	1
6.	Tiswadi	38	180	1
Total		243	1,230	6

Even though on the reference date of the present survey Pernem and Valpoi-Sattari did have a municipality as they have been recently sanctioned municipal status, the same are shown here as urban areas.

The estimated population of the various blocks, both rural and urban is as below:-



Table - 1.2

Population as per 1981 census and estimated population as on 30/9/1986

Sl. No.	Name of the block	Population as per 1981 census			Estimated population as on 30/9/1986		
		Rural	Urban	Total	Rural	Urban	Total
1	2	3	4	5	6	7	8
1.	Bardez	1,09,402	44,511	1,53,913	1,44,469	28,896	1,73,365
2.	Bicholim	62,856	11,233	74,089	71,704	12,791	84,495
3.	Pernem	55,377	3,975	59,352	66,661	-	66,661
4.	Sattari	36,943	3,895	40,838	46,401	-	46,401
5.	Ponda	92,558	15,330	1,07,888	1,06,243	17,990	1,24,233
6.	Tiswadi	54,715	77,226	1,31,941	1,01,061	43,152	1,50,213
Total		4,11,851	1,56,170	5,68,021	5,36,539	1,08,829	6,45,368

Thus as per the present survey the total population of North Goa district was 6,45,368 as on 30th September, 1986 of which 83.01% was rural.

0 9 1 0 0



## CHAPTER - II

### PRIMARY EDUCATION

2.1 As indicated in the last chapter primary education in the State comprises standards I to IV. In this chapter an attempt is made to highlight various important features concerning primary education, as revealed by the data collected during the present survey.

#### 2.2 Availability of Primary Education Facility

Table 2.1 (a) below presents data concerning availability of primary education facility by way of a primary school or a primary section attached to a higher type of school in various habitations either within themselves or within different walking distance ranges.

Table - 2.1(a)

Blockwise number and percentage of Habitations served with primary school/section within a distance of 1.0 km. and more than 1.0 km.

Sr. No.	Name of the Block	No. of Habitations served with a primary section upto 1.0 km. and above.		
		Within the habitation & upto 1.0 km.	Above 1.0 km.	Total
1	2	3	4	5
1.	Bardaz	259 (77.78%)	74 (22.22%)	333 (100.0%)
2.	Bicholim	165 (95.38%)	8 (4.62%)	173 (100.0%)



1	2	3	4	5
3.	Perneu	174 (96.67%)	6 (3.33%)	180 (100.0%)
4.	Sattari	109 (80.62%)	14 (11.39%)	123 (100.0%)
5.	Panda	231 (95.85%)	10 (4.15%)	241 (100.0%)
6.	Tiwadi	159 (88.33%)	21 (11.67%)	180 (100.0%)
Total		1,097 (89.19%)	133 (10.81%)	1,230 (100.0%)

It will be clear from the above table that nearly 89% of the habitations are provided with primary education facility either within the habitation itself or within a walking distance of 1 km. As far as inter-block comparison is concerned, Perneu, which is normally considered as a backward block, superseded all, as far as provision of primary education facility is concerned. Only 3.3% habitations are yet to be provided with a primary school/section within 1 km. distance. Bardes, which is generally considered to be a forward block in comparison with other blocks in the district is however substantially lacking behind in availability of primary schooling facility, as 22% of the habitations do not have a primary schooling facility within 1 km. distance.



Table - 2,1 (b)

Blockwise rural population served with a primary education facility either within the habitation or within a walking distance of 1 km. from the habitation and more than 1.0 km.

Sr. No.	Name of the Block	Rural population served with primary school/section within the habitation and upto 1.0 km. and above		
		Within the habitation & upto 1.0 km.	Above 1.0 km.	Total
1	2	3	4	5
1.	Bardex	1,22,248 (84.62%)	22,221 (15.38%)	1,44,469 (100.00%)
2.	Bichelim	70,219 (97.93%)	1,485 (2.07%)	71,704 (100.00%)
3.	Pernem	65,935 (98.91%)	2,276 (1.09%)	68,211 (100.00%)
4.	Sattari	43,864 (94.53%)	2,537 (5.47%)	46,401 (100.00%)
5.	Ponda	1,04,416 (98.28%)	1,827 (1.82%)	1,06,243 (100.00%)
6.	Tiswadi	94,915 (93.92%)	6,150 (6.08%)	1,01,065 (100.00%)
<b>Total</b>		<b>5,01,595</b> <b>(93.49%)</b>	<b>34,944</b> <b>(6.51%)</b>	<b>5,36,539</b> <b>(100.00%)</b>

If we consider the population, as estimated during the course of the present survey, and provision of primary education facility, the situation does much differ



Even though only 89% of the habitations, as recorded to earlier are provided with primary schooling facilities within 1 km. distance, the population of such habitations is however, 93.5% of the total population of the district.

### 2.3 New Primary Schools Proposed

Based on the findings of the present survey, the table below gives the number of habitations where new primary schools may be opened on the basis of the criteria given by the NCERT. The NCERT have stated that a primary school may be opened at the habitations with a population of 300 or more but without the facility within 1 km. walking distance. Also for a cluster of small habitations whose population totals upto 300 or more a new primary school has been recommended.





Table - 2.2

**Blockwise Habitations served by existing and proposed primary schools/sections.**

Sr. No.	Name of the Block	No. of Habitations	No. of Primary Schools proposed	Habitations served by					
				Primary schools/sections		Proposed Primary schools/sections		Existing and proposed primary schools/sections	
				No. of population	%	No. of population	%	No. of population	%
1	2	3	4	5	6	7	8	9	10
1.	Bardex	333	29	259	77.78	33	9.91	292	87.69
2.	Bichelim	173	2	165	95.38	2	1.16	167	96.53
3.	Pernem	180	1	174	96.67	1	0.56	175	97.22
4.	Sattari	123	2	109	88.62	4	3.25	113	91.87
5.	Ponda	241	2	231	95.85	3	1.25	234	97.10
6.	Tiswadi	180	5	159	88.33	10	5.56	169	93.89
Total		1,230	42	1,097	89.19	53	4.31	1,150	93.50



It shall be clear from the column 4 that 89% of the habitations in the district are already provided with a primary school facility either within the habitations or within a distance of 1 km. Out of the remaining 10.8% habitations only 4.3% habitations can be given a new primary school as they fulfil the criteria stated above.

In spite of opening the new primary schools for habitations as specified in column 5, 80 (6.5%) habitations would continue to be without primary education facility within a walking distance of 1 km. These habitations are having a population of say around 100 to 150 or less and even a few children of primary school age-group would be available from such habitations.

#### 2.4 Primary Education Facility for SC/ST Population

Table 2.3 below shows the classification of 243 villages in the district according to proportion of scheduled castes/scheduled tribes inhabitants in these villages.



Table 2.3

No. of Villages according to proportion of Scheduled Caste and Scheduled Tribe and availability of primary education facility.

Proportion of Scheduled Caste/Scheduled Tribe in the village		No. of villages	No. of Villages having facility for primary education
1		2	3
%	SC	77	66 (85.71%)
	ST	232	208 (89.66%)
Upto 25%	SC	166	152 (91.57%)
	ST	11	10 (90.91%)
Total	SC	243	218 (89.71%)
	ST	243	218 (89.71%)

It shall be clear from the table above that in none of the villages the proportion of SC/ST population is above 25%. There are 77 villages where there are no scheduled caste population and 232 villages where there is no population belonging to scheduled tribes.

Among the 166 villages where scheduled castes population upto 25% exists, nearly 92% of such villages are provided with primary education facility within the respective village. Out of 11 villages where the scheduled tribe population of upto 25% resides, 10 villages are already provided with the primary schooling facilities.



2.5 Independent Primary Schools and Primary Sections attached to other schools

The table below shows the number of primary schools and total number of primary sections attached to other schools as well in rural and urban areas of the district. It will be clear that out of 543 primary schools in the rural areas, 520 i.e. 95.8% are managed by government and only 23 or 4.2% are managed by private unaided institutions. If we see the total number of primary sections inclusive of those attached to higher types of schools, the percentage share according to various managements is 88.6% managed by government, 7.6% managed by private aided institutions and 3.8% by private unaided agencies.

Table 4

No. of Primary Schools and No. of Schools having primary classes in rural and urban areas.

Area	Management	Primary Schools	Primary Schools/ Sections attached to higher stage
1	2	3	4
RURAL	Government	520 (95.76%)	591 ( 88.61%)
	Pvt. Aided	-	51 ( 7.65%)
	Pvt. Unaided	23 ( 4.24%)	25 ( 3.74%)
	<b>Total</b>	<b>543 (100.0%)</b>	<b>667 (100.0 %)</b>





	1	2	3	4
		Government	20 (74.07%)	24 (51.06%)
URBAN		Private Aided	23 ( 4.24%)	14 (29.79%)
		Private Unaided	7 (25.93%)	9 (19.15%)
		Total	27 (100.0%)	47 (100.0%)
		Government	540 ( 94.74%)	615 ( 86.13%)
TOTAL		Private Aided	-	65 ( 9.11%)
		Private Unaided	30 ( 5.26%)	34 ( 4.76%)
		Total	570 (100.0%)	714 (100.0%)

Similar data about urban areas indicates that nearly three-fourth of the primary schools are managed by government and the rest by the private unaided organisations. However, if we take into consideration schools having primary classes, even though the majority of primary sections are managed by government the private aided sector has substantial role to the extent of 30%



**2.6 Types of Buildings**

The table below shows the primary schools classified according to type of buildings whether pucca, partly pucca or kutcha in the rural and urban areas of the block.

Table - 2.5

Primary Schools according to the type of buildings in rural and urban areas.

Area	Pucca buildings	Partly pucca buildings	Kutcha buildings	Thatched huts	Temples	Open space	Total
1	2	3	4	5	6	7	8
Rural	474 (87.3%)	29 (5.3%)	14 (2.6%)	6 (1.1%)	19 (3.5%)	1 (0.2%)	543 (100.0%)
Urban	25 (92.6%)	1 (3.7%)	1 (3.7%)	-	-	-	27 (100.0%)
Total	499 (87.5%)	30 (5.3%)	15 (2.6%)	6 (1.1%)	19 (3.3%)	1 (0.2%)	570 (100.0%)

It can be seen from the table No.5 that in rural areas 474 (87.3%) primary school buildings out of 543 are housed in the pucca buildings, 29(5.3%) are housed in partly pucca buildings, 14(2.6%) are kutcha buildings. About 6(1.1%) are housed in thatched huts, 19(3.5%) in temples and only one (0.2%) is functioning in open space.

Whereas in urban areas out of 27 school buildings 25(92.6%) are pucca buildings, 1(3.7%) and another 1(3.7%) are housed in partly pucca and kutcha buildings respectively.



This shows that the facility in urban is far better than rural areas. The schools in urban areas are definitely housed in better types of building but in comparison with these in the rural areas backlog is hardly around 7%. Under funds available from the Eighth Finance Commission school buildings for such schools are already being taken up for construction.

### 2.7 Instructional Rooms Available

The data below presents the number of primary schools both in urban and rural areas according to number of instructional rooms available to each of them. For each of the primary schools in the district there is atleast one room, which may be pucca, semi-pucca, kutchha or hut type one, is available.



Primary Schools according to number of institutional rooms available.

No. of rooms used for institutional purpose	Schools with number of rooms available								
	Rural			Urban			Total		
	One room	Two rooms & more	Total	One room	Two rooms & more	Total	One room	Two rooms & more	Total
1	2	3	4	5	6	7	8	9	10
Nil	-	-	-	-	-	-	-	-	-
1	188	28	216	2	-	2	190	28	218
2	-	220	220	-	9	9	-	229	229
3 rooms and more	-	170	107	-	16	16	-	123	123
<b>Total</b>	<b>188</b>	<b>355</b>	<b>543</b>	<b>2</b>	<b>25</b>	<b>27</b>	<b>190</b>	<b>380</b>	<b>570</b>





It may be seen from the above table that there are 216 primary schools which are using only one room for the instructional purpose though there are 28 (13%) schools for whom 2 (7%) or more rooms are available. The number of schools with only one instructional room is 188(35%) out of 543 schools in the rural areas of the district.

In the urban areas of the district there are only two schools for whom the number of rooms available and in use also was one each.

**2.8 Requirement of Additional Rooms**

The table below presents the data regarding primary schools according to additional rooms required by them.

Table - 2.7

Primary Schools according to additional rooms required.

**(A) Rural Areas**

	Nil	One room	Two rooms	More than 2rooms	Total
<b>Government</b>	273 (52.50%)	88 (16.92%)	88 (16.92%)	71 (13.66%)	520 (100.0%)
<b>Private Aided</b>	-	-	-	-	-
<b>Private Unaided</b>	18 (78.26%)	1 ( 4.35%)	1 ( 4.35%)	3 (13.04%)	23 (100.0%)
<b>Total</b>	291 (53.59%)	89 (16.39%)	89 (16.39%)	74 (13.63%)	543 (100.0%)



(B) Urban Areas

	Nil	One room	Two rooms	More than 2 rooms	Total
Government	11 (55.0%)	3 (15.0%)	4 (20.0%)	2 (10.0%)	20 (100.0%)
Private aided	-	-	-	-	-
Private Un- aided	3 (42.86%)	3 (42.86%)	1 (14.28%)	-	7 (100.0%)
<b>Total</b>	<b>14</b> <b>(51.85%)</b>	<b>6</b> <b>(22.22%)</b>	<b>5</b> <b>(18.52%)</b>	<b>2</b> <b>(7.41%)</b>	<b>27</b> <b>(100.0%)</b>

It may be seen from the above tables that out of 520 government primary schools in rural areas of the district, 273 or nearly 53% schools do not require any additional rooms. 88 schools require construction of one classroom, two classroom school buildings respectively, whereas about 71 (14%) rural govt. primary schools require more than one room to accommodate the enrolment.

As far as urban areas are concerned, out of 20 govt. primary schools 11 do not need any extension, 3 schools need extension by one classroom, 4 schools need extension of two rooms and for 2 schools more than two rooms to accommodate their strength are necessary.

As regards the private unaided sectors running primary schools, the position is much better because out



of 30 such schools 21(70%) do have sufficient number of classrooms with them and only a few schools require additional rooms to accommodate their pupils.

**2.9 Availability of Blackboards in Primary Schools**

The table below gives the requirement of blackboards at primary schools in the District

Table - 2.8

Availability of Blackboards in the Schools

Sr. No.	Name of Blocks	Total No. of primary sections (Divisions)	No. of sections with		No. Blackboards
			Usable Blackboards	Unusable Blackboards	
1	2	3	4	5	6
1.	Bardoz	452	372	8	72
2.	Bichelin	340	241	9	90
3.	Pernon	354	261	20	73
4.	Sattari	383	178	171	34
5.	Ponda	648	439	25	184
<b>Total</b>		<b>2,573</b>	<b>1,736</b>	<b>234</b>	<b>603</b>
		<b>(100.0%)</b>	<b>(67.4%)</b>	<b>(9.09%)</b>	<b>(23.44)</b>

It may be seen that out of 2,573 divisions only 1,736 (67%) were having usable blackboards on the reference date of the survey whereas 234 (9%) were having blackboards not in a usable condition. The remaining 603 or nearly 24% of the divisions belonging to primary classes were not having blackboards of their own but they were sharing the

blackboards with other divisions or lower or higher classes or in shift systems.

2.10 Other facilities at Primary Schools

The table below gives data as regards availability of other facilities such as drinking water, urinals for boys/girls, facility for medical check-up, etc. in primary schools of North Goa district.

Table - 2,9

Primary Schools according to ancillary facilities

	Drinking water	Urinals	Separate urinals for girls	Lavatory	Separate lavatory for girls	Medical check- up	Vacina- tion/ inacu- lation	Total
Government	312 (57.8%)	37 (6.9%)	15 ( 2.8%)	37 ( 6.9%)	12 ( 2.2%)	411 (76.1%)	392 (72.6%)	540 (100.0%)
Private Aided	-	-	-	-	-	-	-	-
Private Unaided	27 (90.0%)	23 (76.7%)	9 (30.0%)	20 (60.7%)	5 (16.7%)	18 (16.0%)	12 (40.0%)	30 (100.0%)
Total	339 (59.5%)	60 (10.5%)	24 (4.2%)	57 (10.0%)	17 (3.0%)	429 (75.3%)	404 (70.9%)	570 (100.0%)

It would be seen from the above data that drinking water facilities are available in almost 60% schools, medical facilities are available at almost 76% of the schools and vaccination/inaculation facilities at 71% schools.

However facilities such as lavatories, urinals for boys and girls separately are just scares ranging in the vicinity of 3 to 10%. These facilities are comparatively much better at private unaided schools which are generally located in urban areas and their outskirts.

2.11 The table below gives the number of primary schools in the district according to teachers in position as on the reference date of the survey viz. 30th September, 1986. It may be noted that there were no schools without a teacher. There were 81 (14.2%) primary schools with only one teacher. The rest of the schools which accounted for nearly 86% were having two or more teachers.

Table - 2.10

Primary Schools according to teachers in position as on 30/9/1986.

Name of the Block	Schools with number of teachers in position			Total
	0	One	Two or more	
1	2	3	4	5
Bardex	-	7	85	92
		(7.6%)	(92.4%)	(100.0%)
Bichelim	-	9	70	79
		(11.4%)	(88.6%)	(100.0%)



1	2	3	4	5
Pernem	-	14 (16.3%)	72 (83.7%)	86 (100.0%)
Sattari	-	30 (32.0%)	63 (68.8%)	93 (100.0%)
Ponda	-	17 (11.1%)	136 (88.9%)	153 (100.0%)
Tiswadi	-	4 (6.0%)	63 (94.0%)	67 (100.0%)
Total	-	81 (14.2%)	489 (85.8%)	570 (100.0%)

The highest number of single-teacher schools were in Sattari Block (32%) followed by another backward block namely Pernem in which there were 16% primary schools had only one teacher. In Tiswadi block as also Bardes block the number of single teacher schools were quite less i.e. in the vicinity of 6 to 7%.

#### 2.12 Availability of trained Teachers at Primary Schools

The table below presents data concerning availability of trained and untrained teachers in the rural and urban areas of the North Goa district according to the sex of the teachers also.

Table - 2.11

Teachers at Primary Schools (according to sex, trained/untrained) rural and urban areas.

		Male	Female	Total
Rural	Trained	828 (94.3%)	877 (78.16%)	1,705 (85.25%)
	Untrained	50 ( 5.7%)	245 (21.84%)	295 (14.75%)
	<b>Total</b>	<b>878</b> <b>(100.0%)</b>	<b>1,122</b> <b>(100.0%)</b>	<b>2,000</b> <b>(100.0%)</b>
Urban	Trained	35 (81.39%)	197 (71.64%)	232 (72.95%)
	Untrained	8 (18.61%)	78 (28.36%)	86 (27.5%)
	<b>Total</b>	<b>43</b> <b>(100.0%)</b>	<b>275</b> <b>(100.0%)</b>	<b>318</b> <b>(100.0%)</b>

Out of a total of 2,000 teachers of the rural areas of the district, 56% are female and the remaining 44% are male. In urban areas however, out of 318 teachers teaching at primary schools nearly 87% are female and only 13% male.

The percentage of trained teachers in rural areas is 94.3% for male and 78.2% for female. In urban areas 81.4% of the male teachers are trained whereas only 71.6% females were trained teachers.

The total number of untrained teachers in the district is 381 which forms 16% of the total number of primary school teachers in the district.

2.13 Percentage, Enrolment at Primary Stage (Classes I-V) from the age-group 6-11 years

The table below gives data as regards the enrolment in classes I-V by sex, rural and urban areas in North Goa district. The enrolment of SC and ST students is also shown therein.

Table - 2.12

Enrolment of pupil at primary stage classes I to V

Category	Enrolment in classes I to V		
	Boys	Girls	Total
District North Goa (Total enrolment in stas. I-V)	44,274 (100.0%)	40,683 (100.0%)	84,957 (100.0%)
Rural	36,939 (51.89%)	34,296 (48.11%)	71,235 (100.0%)
Urban	7,285 (53.28%)	6,387 (46.72%)	13,672 (100.0%)
S.C.	1,316 (3.0%)	1,169 (2.9%)	2,485 (2.9%)
S.T.	4 (0.1%)	1 Negligible	5 (0.1%)

It can be seen from the above table that the enrolment of primary stage of education in rural areas is 83.5% of total enrolment in the district for boys whereas for girls it is 84.3%.

Regarding urban areas the enrolment at primary stage it is 16.5% for boys and 15.7% for girls.

The enrolment of students belonging to SC is around 2.9% out of total enrolment in Class I to V as against the SC population in North Goa district which is 2.25%.

Enrolment of students belonging to ST to the total enrolment is quite negligible viz. 0.01%. The percentage of population of ST is also the i.e. 0.01%.

The percentage enrolment of girls in std. I to V is however 47.9% for the district at large as also for rural areas in the district. This shows that there is some reluctance on part of certain parents to send their girls even to the primary schools both in rural and urban areas.

2.14 Enrolment of students in Classes I to V  
from the age-group 6-11 years

Table - 2.13

Enrolment of students in Classes I  
to V from the age-group 6-11 years

	Boys	Girls	Total
Estimated population in the age group 6-11 years.	32,333	31,881	64,214
Enrolment in classes I to V from the age- group 6-11 years	27,257	25,154	52,411
% enrolment in the age- group 6-11 years	84.30%	78.90%	81.69%

It would be seen from the above table that about 18.00% of the pupil from the age-group 6 to 11 years are not enrolled in the standards I to V. However this does not mean that we are too far from achieving universalisation of primary education because the age at admission to std. I being 5+ as on 2nd October of the corresponding academic year. As a result of this pupil enrolling itself at std. I at the age of 5+ completes std. V at the age of 10 and is enrolled in std. VI of middle stage of education.

As discussed in paras to follow the gross enrolment ratios in primary age-group are in the vicinity of 131% for North Goa district.

2.15 Selected Indicators of Educational Development

Table No.32 appended to this report gives selected indicators of development of education in North Goa district. A glance at the said table will reveal that the age specific enrolment ratios at primary and upper primary levels are respectively 81.69 and 47.19 percent. There are no significant disparities at the primary stage of education between rural and urban areas. However, for the middle stage of education where is the age specific enrolment ratio for the age-group 11 to 14 years is in the vicinity of 63% for urban areas the same is only 44% in case of rural areas of the district. No significant variations in the age specific enrolment ratios both at primary and upper primary levels of education are noted.

The gross enrolment ratios also reflect similar trends. The gross enrolment ratio for primary level of education for rural areas (133%) a little higher than that of urban areas (126%). For the upper primary stage of education however the gross enrolment ratio for urban areas is significantly high namely 98%. As regards pupil-teacher ratio there is one teacher for about 30 pupil at primary level and for about 40 pupil at upper primary level. The teacher-pupil ratios do not vary significantly in case of rural and urban areas as can be seen from the table below.

Pupil Teacher Ratio

<u>Area</u>	<u>PTR at Primary Stage</u>	<u>PTR at Upper Primary Stage</u>
Rural	28.92	36.66
Urban	31.82	38.94

The table below presents the percentage of girls enrolment at primary and upper primary stages of education for rural and urban areas separately.

Percentage of Girls

Area	% of girls in	
	Class I-V	Class VI-VIII
Rural	48.11	46.70
Urban	46.72	42.99
Total	47.89	45.89

It would be seen from the data presented above that the percentage of girls enrolled at primary stage classes I to V is nearly 48% and that for middle stage (VI-VIII) is nearly 46. Though this shows that the percentage of girls enrolled is definitely less than that of boys yet the difference appears to be marginal viz. 3% or less.

## CHAPTER-III

### UPPER PRIMARY EDUCATION

As indicated in the previous chapter, upper primary education in the State comprises stds.V to VII. In this chapter an attempt is made to highlight various important features concerning upper primary education, as revealed by the data collected during the present survey.

#### 3.1 Availability of Upper Primary Education Facility

Table 3.1 below presents data concerning availability of upper primary educational facility by way of a middle school or a middle section attached to a higher type of schools in various habitations either within themselves or within different walking distance ranges.

Table - 3.1

Blockwise number of habitations with their population served with an Upper Primary School/ Section upto 3,0 kms.and more than 3,0 kms.

Sr. No.	Name of the block	Habitations with Upper Primary School at a distance of			
		Within the habitations upto 3.0kms.	Above 3,0 kms.	Total	
1	2	3	4	5	
1.	Bardez	No.of habitations	297 (89.19%)	36 (10.81%)	333 (100.0%)
		Total population	1,32,437 (91.67%)	12,032 (8.33%)	1,44,469 (100.0%)
2.	Bicholim	No.of habitations	163 (94.22%)	10 (5.78%)	173 (100.0%)
		Total population	69,368 (96.74%)	2,336 (3.26%)	71,704 (100.0%)



1	2	3	4	5
3. Pernem	No. of habi- tations	173 (96.11%)	7 (3.89%)	180 (100.0%)
	Total popu- lation	64,840 (97.27%)	1,821 (2.73%)	66,661 (100.0%)
4. Sattari	No. of habi- tations	34 (72.36%)	34 (27.64%)	123 (100.0%)
	Total popu- lation	38,710 (83.42%)	7,691 (16.58%)	46,401 (100.0%)
5. Ponda	No. of habi- tations	232 (96.27%)	9 (3.73%)	241 (100.0%)
	Total popu- lation	1,03,347 (97.27%)	2,896 (2.73%)	1,06,243 (100.0%)
6. Tiswadi	No. of habi- tations	168 (93.33%)	12 (6.67%)	180 (100.0%)
	Total popu- lation	96,461 (95.45%)	4,600 (4.55%)	1,01,061 (100.0%)
<b>Total</b>	<b>No. of habi- tations</b>	<b>1,122 (91.22%)</b>	<b>108 (8.78%)</b>	<b>1,230 (100.0%)</b>
	<b>Total popu- lation</b>	<b>5,05,163 (94.15%)</b>	<b>31,376 (5.85%)</b>	<b>5,36,539 (100.0%)</b>

It will be clear from the table that nearly 91% of the habitations are provided with upper primary education facility either within the habitations itself or within a walking distance of 3 kms. As far as inter-block comparison is concerned in Ponda block highest number of habitations (96.27%) have upper primary education facility either within the habi-

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tations or upto 3 kms. distance. Whereas Sattari block has the lowest percentage of habitations (72.36%) provided with upper primary educational facility either in the habitation or upto 3 kms.

If we consider the population as estimated during the course of the present survey and provision of upper primary education facility the situation is not much different. As referred earlier 91-92% habitation have upper primary education facility within a distance of 3 kms. The population of such habitations is 94.15% of the total population of the district.

### 3.2 New Upper Primary Schools Proposed

Based on the findings of the present survey, the table below gives the number of habitations where new upper primary schools may be opened on the basis of the criteria given by the NCERT. The NCERT states that:

(1) an unserved habitation with an enrolment of 15 or more in the terminal class of the primary stage in the primary school(s) in the habitation may be provided upper stage classes.

(2) if the enrolment in the terminal class of the primary stage in the primary schools of a cluster of habitations (unserved for upper primary stage) is 15 or more and there is a habitation with primary school (say X) in the cluster within a distance of 3 kms. of other habitation of the cluster, the upper primary stage classes may be provided at habitation 'X'.

**Blockwise habitations served by existing and proposed Upper Primary Schools/Sections**

Sr. No.	Name of the block	No. of habitations	No. of Upper Primary schools proposed	Habitations served by					
				Existing Upper Primary Schools/Sections		Proposed Upper Primary School/Sections		Existing and proposed Upper Primary Schools/Sections	
				No. of Habitations	%	No. of Habitations	%	No. of Habitations	%
1	2	3	4	5	6	7	8	9	10
1.	Bardez	333	5	297	89.19	7	2.10	304	91.29
2.	Bicholim	173	1	163	94.22	5	2.89	168	97.11
3.	Pernem	180	2	175	97.22	5	2.78	180	100.0
4.	Sattari	123	3	89	72.36	3	2.44	92	74.80
5.	Fonda	241	2	232	96.27	3	1.24	235	97.51
6.	Tiswadi	180	3	168	93.33	5	2.78	173	96.11
<b>Grand Total</b>		<b>1,230</b>	<b>16</b>	<b>1,124</b>	<b>91.3</b>	<b>28</b>	<b>2.28</b>	<b>1,152</b>	<b>93.66</b>

It shall be clear from col.6 in the above table that 91.38% of the habitations in the district are already provided with upper primary school facility either within the habitations or within a distance of 3 kms. Out of the remaining 8.62% habitations only 2.28% habitations can be given a new upper primary school as they fulfill the criteria stated above .

Inspite of opening the new upper primary schools for habitations as specified in col.7, 78(6.34%) habitations would continue to be without upper primary education facility within a walking distance of 3 kms. These habitations are having a population of say around 100 to 150 or less and even a few children of upper primary school age-group would be available from such habitations.

### 3.3 Upper Primary Education Facility for SC/ST Population

Table 3.3 below shows the classification of 243 villages in the district according to proportion of scheduled castes/scheduled tribes inhabitants in these villages.

Table - 3.3

Villages according to proportion of SC/ST Population and availability of upper primary schools/sections in them

Proportion of SC/ST in the villages (in %)	No. of villages	No. of villages having facility for Upper Stage
SC 0%	77	15 (19.48%)
ST 0%	232	116 (50.0%)
SC upto 25%	166	110 (66.27%)
ST upto 25%	11	9 (81.81%)
<b>Total SC</b>	<b>243</b>	<b>125 (51.44%)</b>
<b>ST</b>	<b>243</b>	<b>125 (51.44%)</b>

It shall be clear from the table above that in none of the villages the predominance of SC/ST population is above 25%. There are 77 villages where there is no SC population and 232 villages where there is no population belonging to ST.

Among the 166 villages where SC population upto 25% exists, nearly 120 (66.27%) of such villages are provided with upper primary education facility within the respective village. Out of 11 villages where the ST population of upto 25% resides, 9(81.81%) villages are already provided with the upper primary schooling facilities.

3.4 Independent Upper Primary Schools and Upper Primary Sections attached to High Schools and Higher Secondary Schools

The table below shows the number of upper primary schools and total number of upper primary sections attached to high and higher secondary schools in rural and urban areas of the district. It will be clear that out of 84 upper primary schools in the rural areas 70 i.e. (83.33%) are managed by government and only 14 i.e. 16.67% are managed by private unaided/aided institutions. If we see the total number of upper primary sections inclusive of those attached to higher type of school, the percentage share according to various managements is 40.18% managed by government, 1.37% managed by private unaided institutions and 58.45% by private aided agencies.

Similar data about the urban areas indicates that all upper primary schools are managed by govt., nil by private-aided organisations. However if we take into consideration schools having upper primary classes, the majority of upper primary sections are managed by private aided sectors even though govt. sector has sufficient roll to the extent of 18.18%.

Table - 3.4

No. of Upper Primary Schools/Classes in Rural and Urban Areas.

Area	Management	Upper Primary Schools	Upper Primary Schools/Sections attached to higher stage
1	2	3	4
RURAL	Government	70	88
	Private aided	11	128
	Private unaided	3	3
	<b>Total</b>	<b>84</b>	<b>219</b>
URBAN	Government	4	6
	Private aided	-	2
	Private Unaided	-	2
	<b>Total</b>	<b>4</b>	<b>33</b>
<b>Total</b>	Government	74	94
	Private aided	11	153
	Private unaided	3	5
	<b>Total</b>	<b>88</b>	<b>252</b>

### 3.5 Types of Buildings

The table below shows the upper primary schools classified according to type of building whether pucca, partly pucca or kutchra in the rural and urban areas of the blocks.



Table - 3.5

Upper Primary Schools according to the type of buildings in rural and urban areas.

Area	Pucca bldgs.	Part-ly pucca bldgs.	Kut-cha bldgs.	That-ched huts	Tents	Open space	Total
1	2	3	4	5	6	7	8
Rural	80	3	1	-	-	-	84
Urban	4	-	-	-	-	-	4
<b>Total</b>	<b>84</b>	<b>3</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>88</b>

It can be seen from the table No.3.5 that in rural areas 80(95.24%) upper primary school buildings out of 84 are housed in pucca buildings. 3 are housed in partly pucca buildings. One upper primary school is housed in kutcha building and no school is housed in thatched huts, etc. as far as rural areas is concerned.

Whereas in urban areas all the 4 school buildings have pucca buildings.

This shows that the facility in urban areas is better than rural areas.

### 3.6 Availability of Library Facilities in Upper Primary Schools

Out of 88 upper primary schools of North Goa district, 86 schools have library facilities in them and only two schools do not have library facility. Further 78 schools have dictionaries and only 10 schools are without them.



As far as newspaper subscription is concerned only 16 schools are subscribing daily newspapers.

Similarly 28 schools subscribe for magazines and 80 schools out of 88 have textbook banks.

Table - 3.6

Availability of Library Facilities in Upper Primary Schools.

Management	Having library	With books in the library					More than 1000	Having dictionaries	Subscriptions		Having text book bank
		Up to 100	101 to 200	201 to 500	501 to 1000	News-papers			Magazines		
1	2	3	4	5	6	7	8	9	10	11	
Government	74	2	2	12	15	43	66	7	21	73	
Private Aided	9	-	2	3	2	2	9	6	5	4	
Private Unaided	3	-	2	1	-	-	3	3	2	3	
<b>Total</b>	<b>86</b>	<b>2</b>	<b>6</b>	<b>16</b>	<b>17</b>	<b>45</b>	<b>78</b>	<b>16</b>	<b>28</b>	<b>80</b>	

3.7 Availability of Ancillary Facilities

The table below gives data as regards availability of other facilities such as drinking water, urinals for boys/girls, facility for medical check-up, etc. in upper primary schools of North Goa district.

Table - 3.7

## Upper Primary Schools according to ancillary facilities

Area	Management	Drinking water	Urinals	Separate urinals for girls	Lavatory	Separate lavatory for girls	Medical check-up	Vaccination/inna-culation	Total
1	2	3	4	5	6	7	8	9	10
RURAL	Government	42 (27.27%)	13 (8.44%)	5 (3.25%)	13 (8.44%)	5 (3.25%)	34 (22.08%)	42 (27.27%)	154 (100.0%)
	Private Aided	11 (22.92%)	7 (14.58%)	4 (8.33%)	8 (16.67%)	4 (8.33%)	8 (16.67%)	6 (12.50%)	48 (100.0%)
	Private Un-aided	3 (23.08%)	2 (15.38%)	2 (15.38%)	2 (15.38%)	2 (15.38%)	2 (15.38%)	- (0.0%)	13 (100.0%)
	<b>Total</b>	<b>56 (26.05%)</b>	<b>22 (10.23%)</b>	<b>11 (5.12%)</b>	<b>23 (10.70%)</b>	<b>11 (5.12%)</b>	<b>44 (20.47%)</b>	<b>48 (22.33%)</b>	<b>215 (100.0%)</b>
URBAN	Government	4 (20.00%)	3 (15.00%)	2 (10.00%)	2 (10.00%)	1 (5.00%)	4 (20.00%)	4 (20.00%)	20 (100.0%)
	Private Aided	-	-	-	-	-	-	-	-
	Private Unaided	-	-	-	-	-	-	-	-
	<b>Total</b>	<b>4 (20.00%)</b>	<b>3 (15.00%)</b>	<b>2 (10.00%)</b>	<b>2 (10.00%)</b>	<b>1 (5.00%)</b>	<b>4 (20.00%)</b>	<b>4 (20.00%)</b>	<b>20 (100.0%)</b>
Total	Government	46 (26.44%)	16 (9.20%)	7 (4.02%)	15 (8.62%)	6 (3.45%)	38 (21.84%)	46 (26.44%)	174 (100.0%)
	Private Aided	11 (22.92%)	7 (14.58%)	4 (8.33%)	8 (16.67%)	4 (8.33%)	8 (16.67%)	6 (12.50%)	8 (100.0%)
	Private Unaided	3 (23.08%)	2 (15.38%)	2 (15.38%)	2 (15.38%)	2 (15.38%)	2 (15.38%)	- (0.00%)	13 (100.0%)
	<b>Total</b>	<b>60 (25.53%)</b>	<b>25 (10.64%)</b>	<b>13 (5.53%)</b>	<b>25 (10.64%)</b>	<b>12 (5.11%)</b>	<b>48 (20.43%)</b>	<b>52 (10.64%)</b>	<b>235 (100.0%)</b>

It would be seen from the above data that drinking water facilities are concerned, only 4 (20.00%) upper primary schools of urban areas have these facilities, whereas 26.05% of upper primary schools in rural areas have drinking water facilities.

Medical check-up facility is available in 20.00% of rural upper primary schools whereas 20.00% schools in urban areas have this facility. Vaccination/Innaculation is 22.33% in rural areas whereas in urban areas it is 20.00%.

Separate urinals for girls are limited to 5.12% in rural areas and 10.00% in urban areas. Whereas separate lavatories for girls in rural areas is limited to 5.12% and in urban areas 5.00%.

Comparatively it will be seen that as far as lavatories, medical check-up, are concerned, they are equal in rural and urban areas. However the facilities of urinals and separate urinals for girls are better in urban areas. But the facilities for drinking water and vaccination/innaculation are better in rural areas than in urban areas.

### 3.8 Availability of Trained Teachers at Upper Primary Schools

The table below presents data concerning availability of trained and untrained teachers sexwise in the rural and urban areas of North Goa district.

Out of the 983 teachers of rural areas of the district 49.24% are female and remaining 50.76% male.

In urban areas however, out of 253 teachers teaching in upper primary schools nearly 58.50% are female and only 41.50% male.

Percentage of trained teachers in rural areas is 85.77% for male and 88.64% for female. In urban areas 85.71% of male teachers are trained and 85.81% females were trained teachers.

The total number of untrained teachers in the district is 162 which forms 13.11% of the total number of upper primary school teachers in the district.

Table - 3,8

Teachers at Upper Primary Schools (according to sex, trained/untrained) rural and urban areas.

		Male	Female	Total
RURAL	Trained	428 (85.77%)	429 (88.64%)	857 (87.18%)
	Untrained	71 (14.23%)	55 (11.36%)	126 (12.82%)
	<b>Total</b>	<b>499</b> <b>(100.0%)</b>	<b>484</b> <b>(100.0%)</b>	<b>983</b> <b>(100.0%)</b>
URBAN	Trained	90 (85.71%)	127 (85.81%)	217 (85.77%)
	Untrained	15 (13.29%)	21 (14.19%)	36 (.23%)
	<b>Total</b>	<b>105</b> <b>(100.0%)</b>	<b>148</b> <b>(100.0%)</b>	<b>253</b> <b>(100.0%)</b>
Total	Trained	518 (85.76%)	556 (87.97%)	1,074 (86.89%)
	Untrained	86 (14.24%)	76 (12.03%)	162 (13.11%)
<b>Grand Total</b>		<b>604</b> <b>(100.0%)</b>	<b>632</b> <b>(100.0%)</b>	<b>1,236</b> <b>(100.0%)</b>

3.9 Percentage Enrolment at Upper Primary Stage (Classes VI-VIII) from the age-group 11 to below in years

The table below gives data as regards the enrolment in classes VI-VIII by sex, rural and urban areas in North Goa district. The enrolment of SC and ST students is also shown therein.

Table - 3.9

Enrolment of pupil at Upper Primary Stage Classes

Category	Enrolment in classes VI to VIII		
	Boys	Girls	Total
1	2	3	4
District North Goa (Total enrolment in stds. VI-VIII)	23,906 (54.11%)	20,275 (45.89%)	44,181 (100.0%)
Rural	18,428 (53.30%)	16,144 (46.70%)	34,572 (100.0%)
Urban	5,478 (57.01%)	4,131 (42.99%)	9,609 (100.0%)
SC	449 (60.35%)	295 (39.65%)	744 (100.0%)
ST	5 (50.00%)	5 (50.00%)	10 (100.0%)

It can be seen from the above table that the enrolment of upper primary stage of education in rural areas is 77.09% of the total enrolment in the district for boys whereas for girls it is 79.63%.

Regarding urban areas the enrolment at upper primary stage it is 22.91% for boys and 20.37% for girls.

The enrolment of students belonging to SC is around 1.68% out of total enrolment in classes VI-VIII as against the SC population in Goa district which is 2.38%.

If we analyse the result from the angle of percentage of enrolment of girls in rural and urban areas we notice that in both rural and urban areas the percentage enrolment of girl students to the total enrolment work out to 46.00% only.

## CHAPTER-IV

### SECONDARY AND HIGHER SECONDARY EDUCATION(+2 STAGE)

As indicated in the earlier chapters secondary education and higher secondary education in the State comprises of stds. IX to X and XI to XII respectively. In this chapter an attempt is made to highlight various important features concerning secondary and higher secondary education, as revealed by the data collected during the present survey.

#### 4.1 Availability of Secondary Education Facility by

Table 4.1 below presents data concerning availability of secondary education facility by way of a secondary school or a secondary section attached to a higher type of school in various habitations either within themselves or upto a walking distance of 8.0 kms. and above.

Table - 4.1

No. of habitations and their population served with a secondary school/section within themselves or at different distances.

Sr. No.	Name of the block	Habitations with secondary school/section at a distance of		
		Within the habitation & upto 8 kms.	Above 8 kms.	Total
1	2	3	4	5
1.	Bardez	No. of Habitations 333 (100.0%)	Nil	333 (100.0%)
		Total Population 1,44,469 (100.0%)	Nil	1,44,469 (100.0%)
2.	Bicholim	No. of Habitations 173 (100.0%)	Nil	173 (100.0%)
		Total Population 71,704 (100.0%)	Nil	71,704 (100.0%)

1	2	3	4	
3. Pernem	No. of Habitations	180 (100.0%)	Nil	180 (100.0%)
	Total Population	66,661 (100.0%)	Nil	66,661 (100.0%)
4. Sattari	No. of Habitations	112 ( 91.00%)	11 ( 8.94%)	123 (100.0%)
	Total Population	44,712 (96.36%)	1,689 ( 3.64%)	46,401 (100.0%)
5. Ponda	No. of Habitations	239 (99.17%)	2 ( 0.83%)	241 (100.0%)
	Total Population	1,05,773 (99.56%)	470 ( 0.46%)	1,06,243 (100.0%)
6. Tiswadi	No. of Habitations	180 (100.0%)	Nil	180 (100.0%)
	Total Population	1,01,061 (100.0%)	Nil	1,01,061 (100.0%)
Total	No. of Habitations	1,217 (98.94%)	13 ( 1.06%)	1,230 (100.0%)
	Total Population	5,34,380 (99.60%)	2,159 ( 0.40%)	5,36,539 (100.0%)

It will be clear from the above table that nearly 98.94% of habitations are provided with secondary education facility either within the habitation itself or within a walking distance of 8.0 kms. As far as inter-block comparison is concerned, 100% habitations in four blocks viz, Bardez, Bicholim, Pernem and Tiswadi have secondary education schooling



facility within themselves or within a distance of 8.0 kms. Only Sattari and Ponda blocks have 13(1.06%) habitations are yet to be provided with a secondary school/section within 8.0 kms.distance.

If we consider the population as estimated during the course of present survey and provision of secondary education facility, the situation is not much different. Eventhough 98.94% of the habitations as referred to above are provided with secondary education facility within 8.0kms. distance, the population of such habitation is 99.60% of the total population of the district.

#### 4.2 Availability of Higher Secondary Education Facility

Table 4.2 below presents data concerning availability of higher secondary education facility either within the habitation itself and at a walking distance of 8 kms. and beyond 8 kms.

Table - 4.2

No.of Habitations and their Population served with a Higher Secondary School(+2) at a distance of 8 kms. and above.

Sr. No.	Name of the block	Habitation with Hr.Secondary School/Section at a distance of		
		Within the habitation& upto 8 kms.	Beyond 8 kms.	Total
1	2	3	4	5
1.	Bardez	No.of Habitations 170 (51.05%)	163 (48.95%)	233 (100.0%)
		Total Population 68,196 (47.21%)	76,273 (52.79%)	1,44,469 (100.0%)

1	2	3	4	5
2. Nicholim	No. of Habitations	130 (75.14%)	43 (24.86%)	1 (100.0%)
	Total Population	51,423 (71.72%)	20,281 (28.28%)	71,704 (100.0%)
3. Pernem	No. of Habitations	56 (31.11%)	124 (68.89%)	180 (100.0%)
	Total Population	17,400 (26.10%)	49,261 (73.90%)	66,661 (100.0%)
4. Sattari	No. of Habitations	69 (56.10%)	54 (43.90%)	123 (100.0%)
	Total Population	29,151 (62.82%)	17,250 (37.18%)	46,401 (100.0%)
5. Ponda	No. of Habitations	133 (55.19%)	108 (44.81%)	241 (100.0%)
	Total Population	64,318 (60.54%)	41,925 (39.46%)	1,06,243 (100.0%)
6. Tiswadi	No. of Habitations	133 (73.89%)	47 (26.11%)	180 (100.0%)
	Total Population	83,180 (82.31%)	17,881 (17.69%)	1,01,061 (100.0%)
Total	No. of Habitations	691 (56.18%)	539 (43.82%)	1,230 (100.0%)
	Total Population	3,13,668 (58.48%)	2,22,871 (41.54%)	5,36,539 (100.0%)

It will be clear from the above table that 56.18% of the habitations are provided with higher secondary education facility either within the habitation itself or within a walking distance of 8 kms; whereas 43.82% of habitations do not have the higher secondary education facility upto 8 kms. distance. As far as interblock comparison is concerned 75.14% of the habitations in Bicholim block have higher secondary education facility within themselves or upto 8 kms. distance followed by Tiswadi 73.89%, Sattari 56.10%, Ponda 55.19%, Bardez 51.05% and Pernem 31.11% habitations being the lowest.

If we consider the population as estimated during the course of the present survey and provision of higher secondary education facility it will be seen that 56.18% are provided with higher secondary education facility within the habitation or upto 8 kms. distance, the population of such habitations is however 58.48% of the total population of the district.

#### 4.3 Number of Secondary Schools and Sections in rural and urban areas

The table below shows the number of secondary schools/sections in the rural and urban areas of the district. It will be clear that out of 145 secondary schools/sections in rural areas 22(15.17%) are managed by government; 121(83.45%) by private aided and only 2(1.38%) by private unaided agencies.

Similar data about urban areas indicates that out of 29 sections, 2(6.90%) secondary schools/sections are managed by government; 25(86.20%) by private aided and only 2(6.90%) by private unaided managements.

Thus it will be seen that the majority of secondary schools/sections are managed by private aided sectors and a very little by private unaided sectors both in urban and rural areas.

Table - 4.3

No. of Secondary Schools/Sections in rural and urban areas.

Area	Management	Secondary Schools	Secondary Sections attached to higher stage
1	2	3	4
RURAL	Government	19	22
	Private aided	120	121
	Private unaided	2	2
	<b>Total</b>	<b>141</b>	<b>145</b>
URBAN	Government	1	2
	Private aided	24	25
	Private unaided	2	2
	<b>Total</b>	<b>27</b>	<b>29</b>
Total	Government	20	24
	Private aided	144	146
	Private unaided	4	4
	<b>Total</b>	<b>168</b>	<b>174</b>

4.4 Number of Higher Secondary Schools in the Rural and Urban Areas

Table - 4.4

No. of Higher Secondary Schools in rural and urban areas.

Area	Management	Hr. Secondary Schools
RURAL	Government	4
	Private aided	4
	Private unaided	Nil
	<u>Total</u>	<u>8</u>
URBAN	Government	1
	Private aided	6
	Private unaided	Nil
	<u>Total</u>	<u>7</u>
Total	Government	5
	Private aided	10
	Private unaided	Nil
	<u>Total</u>	<u>15</u>

Table No.4.4 presents data concerning number of higher secondary schools in the rural and urban areas in the district.

There are 15 higher secondary schools in the district out of which 8(53.33%) are located in rural and remaining 7 (46.67%) in urban areas.

There is no higher secondary school run by private unaided sector,10 (66.67%) are managed by private aided sector and only 1(6.67%) are run by the government in urban areas of the district.

4.5(A) Availability of the Library Facilities in Secondary Schools

Table - 4.5 (A)

Availability of library facilities in Secondary Schools

Area	Management	Having library	With books in library					Having dictionary	Subscribing		Having textbook bank
			Upto 500	501-1000	1000-2000	2000-5000	Above 5000		News-papers	Magazines	
1	2	3	4	5	6	7	8	9	10	11	12
RURAL	Government	19	-	3	9	6	1	19	19	17	19
	Private aided	119	8	20	29	59	3	119	118	117	85
	Private unaided	2	-	1	-	1	-	2	2	2	-
	<b>Total</b>	<b>140</b>	<b>8</b>	<b>24</b>	<b>38</b>	<b>66</b>	<b>4</b>	<b>140</b>	<b>139</b>	<b>136</b>	<b>104</b>
URBAN	Government	1	-	-	1	-	-	1	1	1	1
	Private aided	24	1	1	4	11	7	24	24	24	11
	Private unaided	2	-	-	1	1	-	2	2	2	-
	<b>Total</b>	<b>27</b>	<b>1</b>	<b>1</b>	<b>6</b>	<b>12</b>	<b>7</b>	<b>27</b>	<b>27</b>	<b>27</b>	<b>12</b>
Total	Government	20	-	3	10	6	1	20	20	18	20
	Private aided	143	9	21	33	70	10	143	142	141	96
	Private unaided	4	-	1	1	2	-	4	4	4	-
	<b>Total</b>	<b>167</b>	<b>9</b>	<b>25</b>	<b>44</b>	<b>78</b>	<b>11</b>	<b>157</b>	<b>156</b>	<b>153</b>	<b>116</b>

Table No.4.5(A) represents the data regarding library facilities in the secondary school in the district. It is observed that almost all the 140 secondary school in rural areas and 27 secondary schools in urban areas have library facilities with only one exception in rural area. Further nearly all the secondary school from rural and urban areas have dictionaries with them and they subscribes newspapers and magazines baring one or two schools fail to give these facility.

The facility of text book bank is however limited to 104 (73.76%) rural secondary schools and 12(41.37%) urban secondary schools.

(B) Availability of Library Facilities in Higher Secondary Schools

Table - 4.5(a)

Availability of Library Facilities in Higher Secondary Schools

Area	Management	Having library	With books in library					Having dic- tionary	Subscribing		Textbook bank
			Upto 500	501- 1000	1001- 2000	2001- 5000	5000& above		News- papers	Maga- zines	
1	2	3	4	5	6	7	8	9	10	11	12
RURAL	Government	4	-	-	1	2	1	4	4	4	4
	Private aided	4	2	-	1	-	1	4	4	4	-
	Private unaided	-	-	-	-	-	-	-	-	-	-
	<b>Total</b>	<b>8</b>	<b>2</b>	<b>-</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>4</b>
URBAN	Government	1	-	-	-	1	-	1	1	1	-
	Private aided	6	-	-	-	4	2	6	6	6	2
	Private unaided	-	-	-	-	-	-	-	-	-	-
	<b>Total</b>	<b>7</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>5</b>	<b>2</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>2</b>
Total	Government	5	-	-	1	3	1	5	5	5	4
	Private aided	10	2	-	1	4	3	10	10	10	2
	Private unaided	-	-	-	-	-	-	-	-	-	-
	<b>Total</b>	<b>15</b>	<b>2</b>	<b>-</b>	<b>2</b>	<b>7</b>	<b>4</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>6</b>



Table No.4.5(B) represents the data regarding availability of library facility in Higher Secondary Schools. All the 15 Higher Secondary Schools of district have library facilities.

Other facilities like dictionary, newspaper and magazines are subscribed by all the 15(100.0%) higher secondary schools. However 6(40.0%) higher secondary schools have text-book banks.

4.6 No. of Teachers in Secondary Schools

Table - 4.6

Teachers teaching Secondary Classes (according to their qualifications) in rural and urban areas.

Area		Male	Female	Total
RURAL	Trained	869 (89.04%)	553 (86.27%)	1,422 (87.94%)
	Untrained	107 (10.96%)	88 (13.73%)	195 (12.06%)
	Total	976 (100.0%)	641 (100.0%)	1,617 (100.0%)
URBAN	Trained	171 (95.00%)	171 (95.00%)	342 (95.00%)
	Untrained	9 (5.00%)	9 (5.00%)	18 (5.00%)
	Total	180 (100.0%)	180 (100.0%)	360 (100.0%)

Table No.4.6 above shows the data regarding number of teachers teaching in secondary schools in rural and urban areas.

There are 1,422 (87.94%) trained teachers against 195 (12.06%) untrained teachers out of 1,617 teachers teaching in secondary classes in rural areas. Similarly 342 (95.00%)

trained teachers against 18(5.00%) untrained teachers out of 360 teachers teaching in urban areas of the district. Majority of these secondary teachers are graduate and quite a good number of them have post graduate or even doctorate degrees. No teachers teaching in the secondary stage is below matric.

4.7 Teachers Teaching in Higher Secondary Classes

Table - 4.7

Teachers teaching Higher Secondary Classes in rural and urban areas.

Area		Male	Female	Total
RURAL	Trained	53 (82.81%)	18 (75.00%)	71 (80.68%)
	Untrained	11 (17.19%)	6 (25.00%)	17 (19.32%)
	<b>Total</b>	<b>64</b> <b>(100.0%)</b>	<b>24</b> <b>(100.0%)</b>	<b>88</b> <b>(100.0%)</b>
URBAN	Trained	73 (93.59%)	50 (94.34%)	123 (93.89%)
	Untrained	5 (6.41%)	3 (5.66%)	8 (6.11%)
	<b>Total</b>	<b>78</b> <b>(100.0%)</b>	<b>53</b> <b>(100.0%)</b>	<b>131</b> <b>(100.0%)</b>

Table No.4.7 above shows that there are 71(80.68%) trained teachers against 17(19.32%) untrained teachers out of total 88 teachers teaching in higher secondary schools in

in rural areas. Most of these teachers belong to the category of post-graduate teachers. However a few are graduates also.

Similarly there are 123 (93.89%) trained teachers against 8 (6.11%) untrained teachers out of total 131 teachers teaching in higher secondary schools in urban areas. Most of these teachers possess qualifications such as post-graduate or doctorate qualification. However two are reported to be graduates out of which one is trained and the other is untrained.

4.8 Science Laboratory Facilities in Secondary Schools

Table - 4.8

Secondary Schools having science laboratories  
(rural and urban management disparities if any.)

Area	Management	No. of schools	Having separate lab. for physics, chemistry & biology	Having combined lab. for all subjects	Teaching Home Science lab.	Having Home Science lab.	Having no laboratories
1	2	3	4	5	6	7	8
RURAL	Government	19	4	15	-	-	-
	Private aided	120	17	101	4	2	2
	Private unaided	2	-	2	-	-	-
	<b>Total</b>	<b>141</b>	<b>21</b>	<b>118</b>	<b>4</b>	<b>2</b>	<b>2</b>
URBAN	Government	1	-	1	-	-	-
	Private aided	24	5	19	3	2	-
	Private unaided	2	1	1	-	-	-
	<b>Total</b>	<b>27</b>	<b>6</b>	<b>21</b>	<b>3</b>	<b>2</b>	<b>-</b>
Total	Government	20	4	16	-	-	-
	Private aided	144	22	120	7	4	2
	Private unaided	4	1	3	-	-	-
	<b>Total</b>	<b>168</b>	<b>27</b>	<b>139</b>	<b>7</b>	<b>4</b>	<b>2</b>

Table No.4.8 shows the data regarding facility of science laboratory in the secondary schools in the district.

It will be seen that 118 (83.69%) secondary schools in rural areas have combined laboratories for science subjects and 21(14.89%) schools have separate laboratories for Physics, Chemistry, Biology, subjects.

In the urban areas out of 27 secondary schools 21 (77.78%) have combined laboratory for science subjects and only 6 have separate laboratory for different subjects. There is no secondary school in the district without laboratory facility.

4.9 Facilities of Teaching Science Subjects and Science Laboratory in Higher Secondary Schools

Table - 4.9

Higher Secondary Schools Teaching Science Subjects  
and having Science Laboratories.

Area	Management	No. of schools	Having separate lab. for physics, chemistry & biology	Having combined lab. for all subjects	Teaching Home Science lab.	Having Home Science lab.	Having no laboratory
1	2	3	4	5	6	7	8
RURAL	Government	2	1	1	-	-	-
	Private aided	2	1	1	-	-	-
	Private unaided	-	-	-	-	-	-
	<b>Total</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>-</b>
URBAN	Government	1	1	-	-	-	-
	Private aided	4	4	-	-	-	-
	Private unaided	-	-	-	-	-	-
	<b>Total</b>	<b>5</b>	<b>5</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Total	Government	3	2	1	-	-	-
	Private aided	6	5	1	-	-	-
	Private unaided	-	-	-	-	-	-
	<b>Total</b>	<b>9</b>	<b>7</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>-</b>

Table No.4.9 above shows the number of higher secondary schools teaching science subjects and having science laboratories in the district. All the 2 higher secondary schools in the rural areas and the 5 in the urban areas have separate laboratories for teaching of science subjects like Physics, Biology, Chemistry and 2 higher secondary in rural areas have combined laboratories. No higher secondary school in the district teaching science is without a science laboratory.



4.10 Science Teachers Teaching Science Subjects  
at Secondary and Higher Secondary Stage

Table - 4.10

Science Teachers Teaching Science Subjects and their  
qualifications (Secondary and Higher Secondary Stage)

Qualifications	Whether trained/ untrained	No. of teachers teaching at stages	
		Secondary schools	Hr. Secondary Schools
1	2	3	4
Ph.D./M.Phil	Trained	-	1 (1.67%)
	Untrained	-	
M.Sc.	Trained	52 (11.09%)	70.00%
	Untrained	5 ( 1.07%)	14 (23.33%)
B.Sc. (Hon.)	Trained	97 (20.68%)	-
	Untrained	28 ( 5.97%)	-
B.Sc.	Trained	200 (42.64%)	2 ( 3.33%)
	Untrained	42 ( 8.96%)	1 ( 1.67%)
Int.Sc.	Trained	12 ( 2.56%)	-
	Untrained	15 ( 3.20%)	-
Matric with Science	Trained	23 ( 4.90%)	-
	Untrained	3 ( 0.64%)	-
Without Sc. qualification	Trained	10 ( 2.13%)	-
	Untrained	-	-
Total	Trained	378 (80.60%)	45 (75.00%)
	Untrained	91 (19.40%)	15 (25.00%)
Grand Total		469 (100.0%)	60 (100.0%)

Table 4.10 above shows the data regarding science teachers teaching science subjects at secondary and higher secondary stages. It will be seen from the table that 378 (80.06%) trained teachers with 91 (19.40%) untrained teachers teach in secondary schools. Majority of them 200 (42.64%) are B.Sc. trained teachers or B.Sc. (Hon.) trained 97 (20.68%). A few 57 are M.Sc. trained or untrained teachers. Among secondary 27 are Inter Science Trained or untrained, 26 teachers are S.S.C. trained or untrained and 10 trained without S.S.C. qualification.

The teachers teaching at higher secondary stage are 45 (75.00%) trained teachers against 15 (25.00%) untrained teachers. Majority of them 42(70.00%) are M.Sc. trained and only 14 (23.33%) are M.Sc. untrained teachers. Only one of them is with Ph.D. or M.Phil. qualification and only 2 persons are B.Sc. trained and only one person is B.Sc. untrained.

4.11 Enrolment in Secondary Classes and Higher Secondary Classes

Table No.4.11 below shows the data regarding the enrolment in secondary and higher secondary classes in urban and rural areas.

Table - 4.11

Enrolment in Secondary Classes and Higher Secondary Classes by sex (highlight SC/ST enrolment)

Category	Enrolment					
	Secondary Classes IX-X			Hr.Secondary Classes XI-XII		
	Boys	Girls	Total	Boys	Girls	Total
1	2	3	4	5	6	7
Total	11,048	8,839	19,887	3,793	3,134	6,927
Rural	8,308 (75.20%)	6,694 (75.73%)	15,002 (75.44%)	1,398 (36.86%)	708 (22.59%)	2,106 (30.40%)
Urban	2,740 (24.80%)	2,145 (24.27%)	4,885 (24.56%)	2,395 (63.14%)	2,426 (77.41%)	4,821 (69.60%)
SC	136 ( 1.23%)	78 ( 0.88%)	214 ( 1.08%)	34 ( 0.90%)	19 ( 0.61%)	53 ( 0.01%)
ST	4 ( 0.04%)	1 ( 0.23%)	5 ( 0.03%)	-	-	-

It can be seen from the above table that enrolment of secondary stage of education in the rural areas is 75.20% of total enrolment in the district for boys and 75.73% for girls. Regarding urban areas the enrolment at secondary stage is 24.80% for boys and 24.27% for girls. The enrolment of secondary students belonging to SC is 1.08% out of the total enrolment of the classes IX and X as against the SC population in the North Goa district which is 2.38% of the total population.

Enrolment of students belonging to ST to the total enrolment is nil. The percentage of population of ST is 0.02% in the district.

Similar data regarding higher secondary education shows that enrolment in the district for boys in the rural areas is 36.86% and for girls 22.59% and in the urban areas the enrolment of boys is 63.14% and for girls 77.41%. The enrolment of students belonging to SC is 0.9% for boys and 0.61% for girls against the SC population of North Goa district 2.38%. Enrolment of students belonging to ST is nil.

4.12 Availability of ancillary facilities in Secondary and Higher Secondary Schools

Table - 4.12 (A)

Ancillary facilities in Secondary Schools

	Drinking water	Urinals	Separate urinals for girls	Lavatory	Separate lavatory for girls	Medical check-up	Vaccina- tion/ innacu- lation	Total
Government	15 (75.00%)	10 (50.00%)	8 (40.00%)	9 (45.00%)	7 (35.00%)	6 (30.00%)	4 (20.00%)	20 (100.0%)
Private Aided	115 (79.86%)	90 (62.50%)	79 (54.86%)	71 (49.31%)	56 (38.89%)	99 (68.75%)	38 (26.39%)	144 (100.0%)
Private Unaided	2 (50.00%)	2 (50.00%)	1 (25.00%)	-	-	-	-	4 (100.0%)
<b>Total</b>	<b>132</b> (78.57%)	<b>102</b> (60.71%)	<b>88</b> (52.38%)	<b>80</b> (47.62%)	<b>63</b> (37.50%)	<b>105</b> (62.05%)	<b>42</b> (25.00%)	<b>168</b> (100.0%)

Table - 4.12 (B)

Ancillary facilities in Higher Secondary Schools

	Drinking Water	Urinals	Separate urinals for girls	Lavatory	Separate lavatory for girls	Medical check-up	Vaccina- tion/ innacula- tion	Total
Government	4 (80.00%)	4 (80.00%)	2 (40.00%)	4 (80.00%)	3 (60.00%)	3 (60.00%)	1 (20.00%)	5 (100.0%)
Private Aided	4 (40.00%)	4 (40.00%)	4 (40.00%)	4 (40.00%)	4 (40.00%)	1 (10.00%)	-	10 (100.0%)
Private Unaided	-	-	-	-	-	-	-	-
Total	8 (53.33%)	8 (53.33%)	6 (40.00%)	8 (53.33%)	7 (46.67%)	4 (26.67%)	1 (6.67%)	15 (100.0%)

Table No. 4.12(A) and 4.12(B) above show the data in respect of availability of ancillary facilities in secondary and higher secondary schools of the district.

It would be seen from the above data that drinking water facilities are available in almost 78.57% of the secondary schools and medical check-up facilities in 62.05% of the secondary schools.

Other facilities such as urinals are available at 60.71% and separate urinals for girls are available at 52.38% of the secondary schools in the district. Lavatories are available only at 47.62% and separate lavatories for girls are available at 37.50% of the secondary schools.

Similar data regarding higher secondary schools shows that drinking facility is available in 53.33% in the district. Urinals are available in 53.33% and separate urinals for girls are available in 40.00% of the higher secondary schools. The percentage of lavatories is 53.33% and that of separate lavatories is 46.67%. The facility for medical check-up is only for 26.67% of the higher secondary schools in the district.

**4.13 Availability of Physical Education Teachers in Secondary and Higher Secondary Schools**

Table No.4.13 above shows the availability of physical education teachers in secondary and higher secondary schools of the district.

**Table - 4.13**

**No.of schools having Physical Education Teachers  
(Secondary and Higher Secondary Schools)**

Management	Secondary schools	Total No.of schools	Higher secondary schools	Total No.of schools
1	2	3	4	5
Government	14 (70.00%)	20 (100.0%)	3 (60.00%)	5 (100.0%)
Private Aided	139 (96.53%)	144 (100.0%)	8 (80.00%)	10 (100.0%)
Private Unaided	4 (100.0%)	4 (100.0%)	Nil	Nil
<b>Total</b>	<b>157 (93.45%)</b>	<b>168 (100.0%)</b>	<b>11 (73.33%)</b>	<b>15 (100.0%)</b>

It would be seen from the data that 157 out of 168 secondary schools have physical education teachers with them. The highest percentage being in private aided schools i.e. 139 (96.53%) schools and the lowest in 4 private unaided schools in the district.

As far as availability of physical education teachers is concerned 11(73.33%) out of 15 higher secondary schools have physical education teachers.



4.14 Availability of various streams (Science, Commerce, etc.) and Vocational Courses in Higher Secondary Schools

Table - 4.14

Higher Secondary Schools having various streams (Science and Commerce) and Vocational Courses

Management	To- tal sch- ools	Arts	Science	Commer- ce	Agri- cul- ture	Tech- ni- cal	Home Sci- ence	Voca- tional cour- ses
1	2	3	4	5	6	7	8	9
Government	5 (100.0%)	4 (80.00%)	3 (60.00%)	5 (100.0%)	-	-	-	-
Private Aided	10 (100.0%)	9 (90.00%)	6 (60.00%)	10 (100.0%)	-	-	-	3 (30.00%)
Private Unaided	-	-	-	-	-	-	-	-
Total	15 (100.0%)	13 (86.67%)	9 (60.00)	15 (100.0%)	-	-	-	3 (20.00%)

Table No.4.14 above shows the data regarding availability of various courses taught in the higher secondary schools of the district. Out of the 15 higher secondary schools of the district 13 (86.67%) have arts courses and 9 (60.00%) have science and 15 (100.0%) have commerce stream. 3 (20.00%) of higher secondary schools have vocational courses.

OTHER EDUCATIONAL FACILITIES

In this chapter an attempt has been made to highlight the educational facilities like non-formal education, Adult Education, Pre-primary Education, etc. as well as educational facilities for the disabled as revealed by the data collected during the present survey.

5.1 Non-Formal Education

On the reference date of the survey, the scheme of Non-Formal Education was not operative in the district. Hence the data concerning Non-Formal Education Centres, their enrolment, etc. is Nil.

However Non-Formal Education Centres have been opened since 1988 onward, on an experimental basis in Goa. In each taluka five centres were initially opened.

5.2 Adult Education and Functional Literacy

Table No.5.1 below presents the data regarding number of adult education centres in the rural and urban areas of North Goa district, separately. 69 (28.40%) villages out of 243 villages in rural areas have adult education centres in them. Out of a total of 139 centres 45 (32.37%) are for both men and women and 70 (50.36%) for women only. Remaining 24 (17.27%) are attended by men only.

Table - 5.1

**Adult Education/Functional Literacy Facilities and Enrolment**

Area	Management	No. of villages Urban areas having centres	No. of centres for			Enrolment			
			Men only	Women only	Both Men & women	Men	Women	Total	
1	2	3	4	5	6	7	8	9	10
RURAL	Government	59	24	70	45	139	738	1,820	2,558
	Private Aided	-	-	-	-	-	-	-	-
	Private Unaided	-	-	-	-	-	-	-	-
	<b>Total</b>	<b>69</b>	<b>24</b>	<b>70</b>	<b>45</b>	<b>139</b>	<b>738</b>	<b>1,820</b>	<b>2,558</b>
URBAN	Government	1	-	1	-	1	-	15	15
	Private Aided	-	-	-	-	-	-	-	-
	Private Unaided	-	-	-	-	-	-	-	-
	<b>Total</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>15</b>	<b>15</b>

Total enrolment in all these centres is 2,558 and the enrolment of men being 738 (28.85%) and women being 1,820 (71.15%).

Similarly one urban locality has Adult Education Centres in it. There is only one centre with an enrolment of 15 adults, all of them i.e. 15 (100.0%) are women.

### 5.3 Schools for Disabled/Handicapped, etc.

There are three schools in rural area for disabled and handicapped, out of the three one is for blinds, one for deaf and/or dumb and third for orthopedically handicapped. All the three institutions are for both boys and girls.

Table - 5.2

Schools for the disabled/handicapped etc.

Area	Categories of school	No. of villages/ city/towns having the facility	No. of institutions			Total
			Boys	Girls	Co-education	
1	2	3	4	5	6	7
RURAL	For blind	1	-	-	1	1
	For deaf and/or dumb	1	-	-	1	1
	For orthopedically disabled handicapped	1	-	-	1	1
	For mentally retarded	-	-	-	-	-

L	2	3	4	5	6	7
URBAN	For blinds	-	-	-	-	-
	For deaf and/ or dumb	2	-	-	2	2
	For orthopedi- cally disabled handicapped	-	-	-	-	-
	For mentally retarded	-	-	-	-	-

#### 5.4 Pre-Primary Education

Table No.5.3 below shows the data regarding facilities for pre-primary education in the form of balwadis, anganwadis/ independent pre-primary schools/pre-primary schools attached to normal schools in the rural and urban areas of the district.

Table - 5.3

#### Facilities of Pre-Primary Education

Type of facility	Rural		Urban	
	No.of villages having facility	No.of instructors	No.of cities/tows having fa- cility	No.of instruc- tors
1	2	3	4	5
Balwadi/Anganwadi	202	560	4	37
Independent pre- primary schools	24	24	3	10
Pre-Primary stage attached to a school	52	64	4	19
<b>Total</b>	<b>278</b>	<b>648</b>	<b>11</b>	<b>66</b>

In the district of North Goa 202 (72.66%) have facilities of balwadis or anganwadis, whereas 4 urban areas (36.36%) have facilities of balwadis and anganwadis, 24 (8.63%) villa-

ges and 3 (27.27%) urban areas have facilities for independent pre-primary schools. 52 (10.70%) villages and 4 urban areas have pre-primary stage attached to normal schools respectively.

STATISTICAL TABLES

(North Goa District)

TABLE - I

Block-wise Habitations with and without

DISTRICT : NORTH GOA STATE : GOA

S. No.	Name of the Block	Items	Habitations	
			Within the Habitation	Upto 0.5 km.
1	2	3	4	5
1.	BARDEZ	i) No. of habitations ii) Their total Pop. iii) Percentage (of the total Pop.)	105 63021 43.62	79 25777 17.84
2.	BICHOLIM	i) No. of Habitations ii) Their total pop. iii) %age (of the total pop.)	82 43241 60.30	64 20532 29.63
3.	PERNEM	i) No. of Habitations ii) Their total pop. iii) %age (of the total pop.)	99 49217 73.83	45 10415 15.62
4.	SATARI	i) No. of Habitations ii) Their total pop. iii) %age (of the total pop.)	98 40886 88.12	8 2528 5.45
5.	PONDA	i) No. of Habitations ii) Their total pop. iii) %age (of the total pop.)	142 83079 78.20	64 16141 15.19
6.	TISWADI	i) No. of Habitations ii) Their total pop. iii) %age (of the total pop.)	65 56190 55.60	70 27935 27.64
	<b>TOTAL</b>	i) No. of Habitations ii) Their total pop. iii) %age (of the total pop.)	591 335634 62.56	330 103328 19.26



TABLE - I (CONTD.)

Primary Sections in Rural Areas

DISTRICT: NORTH GOA

STATE : GOA

with Primary Sections at a distance of				
0.6 to 1.0 km	1.1 to 1.5 km.	1.6 to 1.0 km	More than 2 km	Total
6	7	8	9	10
75 33450 23.16	32 8365 5.79	35 12969 8.96	7 887 0.61	333 144469 100.00
19 6446 8.99	7 1359 1.90	1 126 0.18	- - -	173 717 100
30 6303 9.46	3 420 0.63	1 18 0.03	2 288 0.43	180 66661 100.00
3 450 0.97	1 187 0.40	9 1903 4.10	4 447 0.96	123 46401 100.00
25 5196 4.89	5 1089 1.02	4 561 0.53	1 177 0.17	241 106243 100.00
24 10788 10.67	5 1776 1.76	9 2907 2.88	7 1465 1.45	180 101061 100.00
176 62633 11.67	53 13196 2.46	59 18484 3.44	21 3264 0.61	1230 536539 100.00

TABLE - 2

Block-wise Habitations with and without Upper

DISTRICT : NORTH GOA

STATE : GOA

S. No.	Name of the Block	Items	Habitations	
			Within the Habitation	Upto 1 km
1	2	3	4	5
1.	BARDEZ	1) No. of Habitations ii) Their total pop. iii) %age (of the total pop.)	45 29323 20.30	126 51732 35.81
2.	BICHOLIM	1) No. of Habitations ii) Their total pop. iii) %age (of the total pop.)	26 16099 22.45	64 23247 32.42
3.	PERNEM	1) No. of Habitations ii) Their total pop. iii) %age (of the total pop.)	35 22947 34.42	81 25238 37.86
4.	SATARI	1) No. of Habitations ii) Their total pop. iii) %age (of the total pop.)	20 14263 30.74	24 9950 21.14
5.	PONDA	1) No. of Habitations ii) Their total pop. iii) %age (of the total pop.)	40 26788 25.21	87 37689 35.47
6.	TISWADI	1) No. of Habitations ii) Their total pop. iii) %age (of the total pop.)	27 27505 27.22	105 48435 47.93
TOTAL		1) No. of Habitations ii) Their total pop. iii) %age (of the total pop.)	193 136925 25.52	487 196291 36.53

TABLE - 2 (CONTD.)

Primary Schools/Sections in the Rural Areas

DISTRICT : NORTH GOA

STATE : GOA

with Upper Primary sections at a distance of					
1.1 to 2.0 km	2.1 to 3.0 km	3.1 to 4.0 km	4.1 to 5.0 km	More than 5 km	Total
6	7	8	9	10	11
90 38776 26.84	36 12606 8.73	26 9535 6.60	3 1465 1.01	5 1032 0.71	333 144469 100.00
50 19945 27.82	23 10077 14.05	2 402 0.56	3 784 1.09	5 1150 1.61	173 71704 100.00
42 14124 21.10	15 2531 3.80	5 1302 1.96	2 513 0.77	- - -	180 66661 100.00
22 6772 14.59	23 7725 16.65	13 3138 6.76	12 3061 5.60	9 1492 3.22	123 46401 100.00
68 24627 23.18	37 14243 13.41	7 2061 1.94	1 671 0.63	1 164 0.16	241 106243 100.00
16 10863 10.75	18 9658 9.55	9 3379 3.34	3 1221 1.21	- - -	180 101061 100.00
290 115107 21.45	152 56840 10.59	62 19823 3.70	26 7715 1.44	20 3838 0.72	1230 536539 100.00

TABLE - 3

Habitations and Population served by existing

District : NORTH GOA

STATE : GOA

Sl. No.	Name of the Block	No. of Habitations	Population	No. of Primary schools proposed
1	2	3	4	5
1.	BARDEZ	333	144469	29
2.	BICHOLIM	173	71704	2
3.	PERNEM	180	66661	1
4.	SATARI	123	46401	2
5.	PONDA	241	106243	2
6.	TISWADI	180	101061	5
	TOTAL	1230	536539	42

TABLE - 3 (CONTD.)

and proposed Primary Schools/Sections

Habitations served by					
Existing Primary Schools/Sections		Proposed Primary Schools/Sections		Existing & Proposed Primary Schools/Sections	
No. of Habitation	%	No. of Habitation	%	No. of Habitation	%
6	7	8	9	10	11
259	77.78	33	9.91	292	87.69
165	96.00	2	1.00	167	97.00
174	96.67	1	0.55	175	97.22
109	88.62	4	3.25	113	91.87
231	95.85	3	1.25	234	97.10
159	88.30	10	5.60	169	93.90
1097	89.19	53	4.31	1150	93.00

TABLE - 3 (CONTD.)

Habitations and population served by existing and proposed Primary Schools/Sections(Block-wise)

Name of Block	Population served by					
	Existing Primary schools/sections		Proposed primary schools/sections		Existing and Pro. Primary schools/sections	
	Pop.	%	Pop.	%	Pop.	%
1	12	13	14	15	16	17
HARDEZ	122248	84.62	16748	11.59	138996	96.21
BICHOLIM	70219	98.00	871	1.00	71090	99.00
PERNEM	65935	98.91	153	0.23	66088	99.14
BATARI	43864	94.53	1225	2.64	45089	97.17
PONDA	104416	98.26	825	0.78	105241	99.06
PISWADI	94913	93.92	4170	4.13	99086	95
TOTAL	501595	93.49	23995	4.47	525590	97.96

TABLE - 4

Habitations and Population served by existing and

DISTRICT : NORTH GOA

STATE : GOA

Sl. No.	Name of the Block	No. of Habitation	Population	No. of Upper Primary Schools proposed
1	2	3	4	5
1.	BARDEZ	333	144469	5
2.	BICHOLIM	173	71704	1
3.	PERNEM	180	66661	2
4.	SATARI	123	46401	3
5.	PONDA	241	106243	2
6.	TISWADI	180	101061	3
	TOTAL	1230	536539	16

TABLE - 4 (CONTD.)

proposed Upper Primary (Middle Schools/Sections)

Habitations served by					
Existing Upper Primary Schools/Sections		Proposed Upper Primary Sections/Schools		Existing/Proposed Upper Primary Schools/Sections	
No. of Hab.	%	No. of Hab.	%	No. of Hab.	%
6	7	8	9	10	11
297	89.19	7	2.10	304	91.29
163	94.22	5	2.89	168	97.11
175	97.22	5	2.78	180	100.00
89	72.36	3	4.00	92	74.00
232	96.27	3	1.24	235	97.51
168	93.33	5	2.78	173	96.11
1124	91.38	28	2.28	1152	93.66



TABLE - 4 (CONTD.)

Habitations and Population served by existing and proposed Upper Primary (Middle) Schools/Sections

Name of the Block	Population served by					
	Existing Upper Primary Schools/Sections		Proposed Upper Primary Schools/Sections		Existing and proposed Upper Primary Schools/Sections	
	Pop.	%	Pop.	%	Pop.	%
1	12	13	14	15	16	17
1. BARDEZ	132437	91.67	3728	2.58	136165	94.25
2. BICHOLIM	69368	96.74	1150	1.60	70518	96.34
3. PERNEM	65368	98.06	1293	1.94	66661	100.00
4. SATARI	38710	83.43	2141	4.61	40851	88.04
5. PONDA	103347	97.28	1226	1.15	104573	98.47
6. TISWADI	96461	95.45	2962	2.93	99423	98.38
TOTAL	505691	94.25	12500	2.33	518191	96.58

TABLE - 5

Blockwise Habitations with and without

DISTRICT : NORTH GOA

STATE : GOA

Sl. No.	Name of the Block	Items	Habitations	
			Within the habitation	Upto 2 km
1	2	3	4	5
1.	BARDEZ	1) No. of habitations ii) Their total pop. iii) Percentage (of the total pop.)	36 23815 16.48	210 88659 16.37
2.	BICHOLIM	1) No. of habitations ii) Their total pop. iii) %age (of the total pop.)	17 10068 14.04	95 38869 54.21
3.	PERNEM	1) No. of habitations ii) Their total pop. iii) %age (of the total pop.)	22 15916 23.88	111 39456 59.19
4.	SATARI	1) No. of habitations ii) Their total pop. iii) %age (of the total pop.)	10 8520 17.36	37 11166 18
5.	PONDA	1) No. of habitations ii) Their total pop. iii) %age (of the total pop.)	28 19502 18.36	133 58854 55.39
6.	TISWADI	1) No. of habitations ii) Their total pop. iii) %age (of the total pop.)	18 15705 15.54	119 59279 58.66
	TOTAL	1) No. of habitations ii) Their total pop. iii) %age (of the total pop.)	131 93526 17.40	705 299583 55.83

TABLE - 5 (CONTD.)

Secondary Sections in the Rural Areas

with Secondary Sections at a distance of				
2.1 to 4.0 km	4.1 to 6.0 km	6.1 to 8.0 km	More than 8 km.	Total
6	7	8	9	10
75 29944 20.73	11 1926 1.33	1 125 0.09	- - -	33 144469 100.00
46 16451 22.94	14 5216 7.28	1 1100 1.53	- - -	173 71704 100.00
31 7563 11.34	13 3357 5.04	03 369 0.55	- - -	180 66661 100.00
33 11556 24.90	26 7967 17.17	06 2203 4.75	11 1689 3.64	123 46401 100.00
65 23722 22.33	12 3305 3.11	01 390 0.37	02 470 0.44	241 106243 100.00
38 22776 22.54	05 3301 3.26	- - -	- - -	180 101061 100.00
288 112012 20.87	81 25072 4.67	12 4187 0.78	13 2159 0.45	1230 536539 100.00

TABLE - 6

Block-wise Habitations with and without Higher

DISTRICT : NORTH GOA

STATE : GOA

Sl. No.	Name of the Block	Items	Habitations with	
			Within the Hab.	Upto 2.0 km
1	2	3	4	5
1.	BARDEZ	i)No.of habitations ii)Their total pop. iii)%age(of the total pop.)	1 285 0.20	12 6936 4.60
2.	BICHOLIM	i)No.of habitations ii)Their total pop. iii)%age(of the total pop.)	02 714 1.00	32 12883 1797
3.	PERNEM	i)No.of habitations ii)Their total pop. iii)%age(of the total pop.)	01 184 0.28	08 3276 4.91
4.	SATARI	i)No.of habitations ii)Their total pop. iii)%age(of the total pop.)	01 2645 6.13	3 10011 7.94
5.	PONDA	i)No.of habitations ii)Their total pop. iii)%age(of the total pop.)	02 2981 2.81	19 10011 9.42
6.	TISWADI	i)No.of habitations ii)Their total pop. iii)%age(of the total pop.)	01 934 0.92	39 20611 20.40
	TOTAL	i)No.of habitations ii)Their total pop. iii)%age(of the total pop.)	8 7943 1.48	118 57400 10.70

TABLE - 6 (CONTD.)

Secondary Schools/Intermediate/Junior Colleges/PUC in Rural Areas

Higher Secondary Schools/Sections at a distance of				
2.1 to 4.0 km	4.1 to 6.0 km	6.1 to 8.0 km	More than 8 km	Total
6	7	8	9	10
53 18807 13.02	39 16537 11.45	65 25631 17.74	163 76273 52.79	339 144469 100.00
50 23394 32.63	32 9296 12.96	14 5136 7.16	43 20281 28.28	139 71704 100.00
08 1506 2.26	19 4834 7.25	20 7600 11.40	124 49261 73.90	180 66661 100.00
11 6336 13.65	22 7524 16.21	27 8763 18.89	54 17250 37.18	123 46401 100.00
45 20352 19.16	32 12767 16.72	35 13207 12.43	108 41925 39.46	241 106243 100.00
43 27812 27.52	27 25305 25.04	23 8518 8.43	47 17691 17.69	180 101061 100.00
210 98207 18.30	171 81263 15.15	184 79855 15.83	539 22871 41.54	127 53296 100.00

TABLE - 7

Villages according to Proportion of SC/ST

DISTRICT : NORTH GOA

STATE : GOA

Proportion of SC in the Village	No. of Villages	Villages having facility for Stage			
		Primary	Upper Primary	Secondary	Hr. Sec.
1	2	3	4	5	6
Zero	77	66	15	9	
Upto 25	166	152	110		
26-50					
51-75					
More than 75					
<b>TOTAL</b>	<b>243</b>	<b>218</b>	<b>125</b>	<b>91</b>	<b>13</b>

SOURCE

Col. 2 = cols. 2+7+12+17+22+27+32 of Table 22  
 Col. 3 = cols. 3+8+13+18+23+28+33       "  
 Col. 4 = cols. 4+9+14+19+24+29+34       "  
 Col. 5 = cols. 5+10+15+20+25+30+35       "  
 Col. 6 = cols. 6+11+16+21+26+31+36       "

TABLE - 7 (CONTD.)

Proportion of ST in the Village	No. of Villages	Villages having facility for stage			
		Primary	Upper Primary	Secondary	Hr. Sec.
7	8	9	10	11	12
Zero	232	208	116	85	8
Upto 25	11	10	9	6	-
26 - 50					
51 - 75					
More than 75					
<b>TOTAL</b>	<b>243</b>	<b>218</b>	<b>125</b>	<b>91</b>	<b>8</b>

Col. 8 = cols. 2+7+12+17+22+27+32 cf Table 23  
 Col. 9 = cols. 3+8+13+18+23+28+33       "  
 Col. 10 = cols. 4+9+14+19+24+29+34       "  
 Col. 11 = cols. 5+10+15+20+25+30+35       "  
 Col. 12 = cols. 6+11+16+21+26+31+36       "

TABLE - B

Number of schools by level and Type of Management

District: North Goa

State : GOA

Area	Management	No. of schools			
		Primary	Upper Primary	Secondary	Hr. Sec.
1	2	3	4	5	6
RURAL	Govt.	520	70	19	4
	Local Body	-	-	-	-
	Private aided	-	11	120	4
	Private unaided	23	03	02	-
	Total	543	84	141	8
URBAN	Govt.	20	4	1	1
	Local Body	-	-	-	-
	Private aided	-	-	24	6
	Private unaided	7	-	02	-
	Total	27	4	27	7
TOTAL	Govt.	540	74	20	5
	Local Body	-	-	-	-
	Private aided	-	11	144	10
	Private unaided	30	3	04	-
	Total	570	88	168	15

SOURCE: for columns 3,4,5,6 = Dist. Table 32



TABLE - 8 (CONTD.)

Number of schools by level and Type of management

No. of schools having			
Primary classes	Upper Primary classes	Secondary classes	Higher Secondary classes
7	8	9	10
591	91	22	4
-	-	-	-
51	128	121	4
25	03	02	-
667	222	145	8
24	06	02	1
-	-	-	-
14	25	25	6
9	02	02	-
47	33	0	7
615	97	24	5
-	-	-	-
65	153	146	10
34	5	4	-
714	255	174	15

SOURCE: Col.7 = cols. 3+7+9+12 of Table 33  
 Col.8 = cols. 4+7+8+9+11+12 of Table 33  
 Col.9 = cols. 5+8+9+10+11+12 of Table 33  
 Col.10 = cols. 6+10+11+12 of Table 33

TABLE - 9

Schools according to type of

Sl. No.	Name of the Block/ Taluka	Primary Schools						Total
		Pucca bldg.	Partly pucca bldg.	Kacha bldgs.	That-ched huts	Tents	Open space	
1	2	3	4	5	6	7	8	9
1.	Bardez	73	4	-	10	-	-	87
2.	Bicholim	59	9	2	5	-	-	75
3.	Pernem	81	4	1	-	-	-	86
4.	Sattari	87	2	-	4	-	-	93
5.	Ponda	116	15	8	6	-	-	145
6.	Tiswadi	53	1	3	-	-	-	57
	All urban areas outside the blocks	25	1	1	-	-	-	27
	Total	494	36	15	25	-	-	570

TABLE - 9 (Contd.)

Buildings (Block-wise)

Upper Primary Schools						
Block Building	Partly pucca bldg.	Kacha bldg.	That-ched bldg.	Tents	Open space.	Total
10	11	12	13	14	15	16
11	1	-	-	-	-	12
12	-	1	-	-	-	13
23	-	-	-	-	-	23
14	-	-	-	-	-	14
12	-	-	-	-	-	12
8	2	-	-	-	-	10
4	-	-	-	-	-	4
34	3	1	-	-	-	88

TABLE - 10

Schools According to Type of Buildings

A r e a	Management	Primary Schools						Total
		Pucca bldg.	Part- ly pucca bldg.	Kacha bldg.	That- ched huts	Tents	Open space	
1	2	3	4	5	6	7	8	9
R u r a l	Government	450	32	13	25	-	-	520
	Local Body	-	-	-	-	-	-	-
	Pvt.aided	-	-	-	-	-	-	-
	Pvt.unaided	19	3	1	-	-	-	23
	Total	469	35	14	25	-	-	543
U r b a n	Government	19	1	-	-	-	-	20
	Local Body	-	-	-	-	-	-	-
	Pvt.aided	-	-	-	-	-	-	-
	Pvt.unaided	6	1	1	-	-	-	7
	Total	25	1	1	-	-	-	27
T o t a l	Government	469	33	13	25	-	-	540
	Local Body	-	-	-	-	-	-	-
	Pvt.aided	-	-	-	-	-	-	-
	Pvt.unaided	25	3	2	-	-	-	30
	Total	494	36	15	25	-	-	570

TABLE - 10 (Contd.)

Schools according to Type of Buildings

Upper Primary Schools						
Pucca bldg.	Partly pucca bldg.	Kacha bldg.	Thatched huts	Tents	Open space	Total
10	11	12	13	14	15	16
68	1	1	-	-	-	70
-	-	-	-	-	-	-
10	1	-	-	-	-	11
2	1	-	-	-	-	3
80	3	1	-	-	-	84
3	-	1	-	-	-	4
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
3	-	1	-	-	-	4
71	1	2	-	-	-	74
-	-	-	-	-	-	-
10	1	-	-	-	-	11
2	1	-	-	-	-	3
83	3	2	-	-	-	88

TABLE - 11

Primary and Upper Primary Schools according to  
Instructional rooms in them

District : NORTH GOA

State : GOA

No. of rooms used for inst. purposes	No. of Primary Schools			No. of rooms used for instructional purposes	No. of Upper Primary Schools		
	Rural	Urban	Total		Rural	Urban	Total
1	2	3	4	5	6	7	8
N11	-	-	-	N11	-	-	-
1	216	2	218	1-2	12	-	12
2	220	9	229	3-4	41	01	42
3	53	5	58	5-6	25	01	
4	33	3	36	7-8	04	-	
5	10	-	10	9-10	01	-	01
6-7	9	6	15	11-12	01	01	02
8-9	2	2	4	13-14	-	-	-
10 & above	-	-	-	15 & above	-	01	01
Total	543	27	570	Total	84	04	88

SOURCE : For cols. 2,3,4 see cols. 11, 21, 31 of Table 52.

For cols. 6,7,8 see cols. 11, 21, 31 of Table 53.

TABLE - 12

Primary and Upper Primary schools according to additional rooms required by them.

District: North Goa

State : GOA

Type of School	Management	Schools requiring additional rooms						
		Rural						
		Nil	1	2	3	4	5 & Above	Total
Primary	Govt.	273	88	88	54	12	05	520
	Local Body	-	-	-	-	-	-	-
	Private aided	-	-	-	-	-	-	-
	Private unaided	18	01	01	01	01	01	23
	<b>Total</b>	<b>291</b>	<b>89</b>	<b>89</b>	<b>55</b>	<b>13</b>	<b>06</b>	<b>543</b>
Upper Primary	Govt.	34	2	8	5	12	9	70
	Local Body	-	-	-	-	-	-	-
	Private aided	8	-	-	2	1	--	11
	Private unaided	2	-	-	-	-	01	03
	<b>Total</b>	<b>44</b>	<b>2</b>	<b>8</b>	<b>7</b>	<b>13</b>	<b>10</b>	<b>84</b>

SOURCE: District Table 56.

TABLE - 12 (CONTD.)

Schools requiring additional rooms													
Urban							Total						
Nil	1	2	3	4	5 & Above	Total	Nil	1	2	3	4	5 & Above	Total
11	3	4	-	2	-	20	284	91	92	54	14	5	540
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	3	1	-	-	-	7	21	4	2	1	1	1	30
24	6	5	-	2	-	27	305	95	94	55	5	6	570
3	-	-	-	-	1	04	37	2	8	5	2	10	74
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	3	-	-	2	1	-	11
-	-	-	-	-	-	-	2	-	-	-	-	01	03
11	-	-	-	-	01	04	47	2	8	7	13	11	88



TABLE - 13

Availability of Black Boards in Primary Schools

Sl. No.	Name of Block/Taluka	Total No. of schools	Total No. of sections	No. of sections having		
				Usable Black-Board	Unusable Blackboard	No Black-board
1	2	3	4	5	6	7
1.	Bardez	87	418	341	8	69
2.	Bicholim	75	316	223	8	85
3.	Pernea	86	354	261	20	73
4.	Sattari	93	383	178	171	34
5.	Ponda	145	605	405	25	175
6.	Tiswadi	57	333	195	1	137
A 11 Urban areas outside the block		27	164	133	1	30
<b>TOTAL</b>		<b>570</b>	<b>2573</b>	<b>1736</b>	<b>234</b>	<b>603</b>

TABLE - 14

Availability of Black Boards in Primary Schools

Area	Management	Total No. of schools	Total no. of sections	No. of sections having		
				Usable Black board	Unusable Black board	No black board
1	2	3	4	5	656	7
Rural	Govt.	520	2324	1530	225	569
	Local Body	-	-	-	-	-
	Private aided	-	-	-	-	-
	Private unaided	23	85	73	08	04
	Total	543	2409	1603	233	573
Urban	Govt.	20	134	106	01	27
	Local Body	-	-	-	-	-
	Private aided	-	-	-	-	-
	Private unaided	07	30	27	-	03
	Total	27	164	133	01	30
Total	Govt.	540	2458	1636	226	596
	Local Body	-	-	-	-	-
	Private aided	-	-	-	-	-
	Private unaided	30	115	100	08	07
	Total	570	2673	1736	234	603

SOURCE : District Table 62 (columns 1 to 7)

TABLE - 15

SCHOOLS WITH LIBRARY AND ALLIED FACILITIES

Director : North Goa

State : GOA

A r e a	Management	Primary Schools									
		Hav- ing Li- bra- ry	With no. of books in the library					Hav- ing dic- tio- nary	Subs- cri- bing news paper	Subs- cri- bing Maga- zines	Hav- ing text book bank
			Upto 50	51- 100	101- 200	201- 500	More than 500				
1	2	3	4	5	6	7	8	9	10	11	12
R U R A L	Govt.	507	31	35	86	253	102	74	1	80	514
	Local Body	-	-	-	-	-	-	-	-	-	-
	Pvt.aided	-	-	-	-	-	-	-	-	-	-
	Pvt.unaided	20	3	2	9	4	2	13	10	4	7
	TOTAL	527	34	37	95	257	104	87	11	84	521
U R B A N	Govt.	20	1	-	1	10	8	10	-	6	20
	Local Body	-	-	-	-	-	-	-	-	-	-
	Private ai- ded	-	-	-	-	-	-	-	-	-	-
	Pvt.unaided	7	4	2	-	1	-	6	3	7	2
	TOTAL	27	5	2	1	11	8	16	3	13	22
T O T A L	Govt.	527	32	35	87	263	110	84	1	86	534
	Local body	-	-	-	-	-	-	-	-	-	-
	Pvt.aided	-	-	-	-	-	-	-	-	-	-
	Pvt.unaided	27	7	4	9	57	2	19	13	11	9
	TOTAL	554	39	39	96	268	112	103	14	97	543

TABLE - 15 (CONTD.)

SCHOOLS WITH LIBRARY AND ALLIED FACILITIES

Upper Primary (Middle) Schools									
Having Library	with number of books in Library					Having dictionaries	Subscribing newspapers	Subscribing Magazine	Having text book bank
	Up to 100	101-200	201-500	501-1000	More than 1000				
13	14	15	16	17	18	19	20	21	22
70	2	2	11	15	40	63	5	19	69
-	-	-	-	-	-	-	-	-	-
9	-	2	3	2	2	9	6	5	-
3	-	2	1	-	-	3	3	2	3
-	2	6	15	17	42	75	14	26	76
-	-	-	1	-	3	3	2	2	4
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
4	-	-	1	-	3	3	2	2	4
74	2	2	12	15	43	66	7	21	73
-	-	-	-	-	-	-	-	-	-
9	-	2	3	2	2	9	6	5	4
3	-	2	1	-	-	3	3	2	3
86	2	6	16	17	45	78	16	28	80

SCHOOLS WITH LIBRARY AND ALLIED FACILITIES

A r e a	Management	Secondary Schools									
		Hav- ing lib- rary	No. of books in the library					Hav- ing dic- tio- na- ries	Subs- cri- bing news- pa- pers	Subs- cri- bing mega- zin- es	Hav- ing text book bank
			Up to 500	501- 1000	1001- 2000	2001- 5000	More than 5000				
1	2	23	24	25	26	27	28	29	30	31	32
R U R A L	Govt.	19	-	3	9	6	1	19	19	17	19
	Local Body	-	-	-	-	-	-	-	-	-	-
	Pvt. aided	119	8	20	29	59	3	119	118	117	85
	Pvt. unaided	2	-	1	-	1	-	2	2	2	-
	<b>Total</b>	<b>140</b>	<b>8</b>	<b>24</b>	<b>38</b>	<b>66</b>	<b>4</b>	<b>140</b>	<b>139</b>	<b>136</b>	<b>104</b>
U R B A N	Govt.	1	-	-	1	-	-	1	1	1	1
	Local Body	-	-	-	-	-	-	-	-	-	-
	Pvt. aided	24	1	1	4	11	7	24	24	24	11
	Pvt. unaided	2	-	-	1	1	-	2	2	2	-
	<b>Total</b>	<b>27</b>	<b>1</b>	<b>1</b>	<b>6</b>	<b>12</b>	<b>7</b>	<b>27</b>	<b>27</b>	<b>27</b>	<b>12</b>
T O T A L	Govt.	20	-	3	10	6	1	20	20	18	20
	Local Body	-	-	-	-	-	-	-	-	-	-
	Pvt. aided	143	9	21	33	70	10	143	142	141	96
	Pvt. unaided	4	-	1	1	2	-	4	4	4	-
	<b>Total</b>	<b>167</b>	<b>9</b>	<b>25</b>	<b>44</b>	<b>78</b>	<b>11</b>	<b>167</b>	<b>166</b>	<b>163</b>	<b>116</b>

TABLE - 15 (CONTD.)

SCHOOLS WITH LIBRARY AND ALLIED FACILITIES

Higher Secondary Schools									
Having Library	With No. of books in the Library					Having dictionaries	Subscribing newspapers	Subscribing Magazine	Having text book bank
	Upto 500	501-1000	1001-2000	2001-5000	More than 5000				
33	34	35	36	37	38	39	40	41	42
4	-	-	1	2	1	4	4	4	4
-	-	-	-	-	-	-	-	-	-
4	2	-	1	-	1	4	4	4	-
-	-	-	-	-	-	-	-	-	-
1	2	-	2	2	2	8	8	8	4
-	-	-	-	1	-	1	1	1	-
-	-	-	-	-	-	-	-	-	-
6	-	-	-	4	2	6	6	6	2
-	-	-	-	-	-	-	-	-	-
7	-	-	-	5	2	7	7	7	2
5	-	-	1	3	1	5	5	5	4
-	-	-	-	-	-	-	-	-	-
10	2	-	1	4	3	10	10	10	2
-	-	-	-	-	-	-	-	-	-
15	2	-	2	7	4	15	15	15	6

TABLE - 16

SCHOOLS ACCORDING TO ANCILLARY FACILITIES

District : North Goa

State : GOA

1	2 Management	Primary schools having facility for						
		3 Drink- ing water	4 Uri- nals	5 Sep. uri- nal for girls	6 Lava- tory	7 Sep. Lav. for girls	8 Medi- cal check up	9 Vacci- nation/ Innocu- lation
R U R A L	Government	300	31	13	31	9	391	373
	Local Body	-	-	-	-	-	-	-
	Pvt.aided	-	-	-	-	-	-	-
	Pvt.unaided	20	16	6	14	3	14	9
	TOTAL	320	47	19	45	12	405	382
U R B A N	Govt.	12	6	2	6	3	20	19
	Local Body	-	-	-	-	-	-	-
	Pvt.aided	-	-	-	-	-	-	-
	Pvt.unaided	7	7	3	6	2	4	3
	TOTAL	19	13	5	12	5	24	22
T O T A L	Govt.	312	37	15	37	12	411	392
	Local Body	-	-	-	-	-	-	-
	Pvt.aided	-	-	-	-	-	-	-
	Pvt.unaided	27	23	9	20	5	18	12
	TOTAL	339	60	24	57	17	429	404

**TABLE - 16 (Contd.)**

**SCHOOLS ACCORDING TO ANCILLARY FACILITIES**

Upper primary schools having facilities for						
Drinking water	Urinals	Sep. urinals for girls	Lavatory	Sep. Lavatory for girls	Medical check up	Vaccination/Innoculation
10	11	12	13	14	15	16
42	13	5	13	5	34	42
-	-	-	-	-	-	-
11	7	4	8	4	8	6
3	2	2	2	2	2	-
50	22	11	23	11	44	48
4	3	2	2	1	4	4
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
4	3	2	2	1	4	4
40	16	7	15	6	38	46
-	-	-	-	-	-	-
11	7	4	8	4	8	6
3	2	2	2	2	2	-
60	25	13	25	12	48	52



TABLE - 16 (Contd.)

SCHOOLS ACCORDING TO ANCILLARY FACILITIES

Area Management	Secondary Schools having facility for							
	Drink- ing water	Uri- nals	Sep. uri- nal for girls	Lava- tory	Sep. Lav. for girls	Medi- cal check up	Vacchi- nation/ Innocu- lation	
1	2	17	18	19	20	21	22	23
R U R A L	Government	15	10	8	-	7	6	-
	Local Body	-	-	-	-	-	-	-
	Pvt.aided	115	90	79	71	56	99	38
	Pvt.unaided	2	2	1	-	-	-	-
	TOTAL	132	102	88	80	63	105	42
U R B A N	Govt.	1	1	1	1	1	1	-
	Local Body	-	-	-	-	-	-	-
	Pvt.aided	23	24	20	23	20	22	14
	Pvt.unaided	2	2	2	2	2	2	-
	TOTAL	26	27	23	26	23	25	14
T O T A L	Govt.	16	11	9	10	8	7	4
	Local Body	-	-	-	-	-	-	-
	Pvt.aided	138	114	99	94	76	121	52
	Pvt.unaided	4	4	3	2	2	2	-
	TOTAL	158	129	111	106	86	130	56

TABLE - 16 (Contd.)

SCHOOLS ACCORDING TO ANCILLARY FACILITIES

Higher Secondary Schools having facility for						
Drinking water	Urinals	Sep. urinals for girls	Lavatory	Sep. Lavatory for girls	Medical check up	Vaccination/Innoculation
24	25	26	27	28	29	30
4	4	2	4	3	3	1
-	-	-	-	-	-	-
4	4	4	4	4	1	-
-	-	-	-	-	-	-
8	8	6	8	7	4	1
1	1	1	1	1	-	-
-	-	-	-	-	-	-
5	6	5	6	5	-	-
-	-	-	-	-	-	-
7	7	6	7	6	-	-
5	5	3	5	4	3	1
-	-	-	-	-	-	-
10	10	9	10	9	1	-
-	-	-	-	-	-	-
15	15	12	15	13	4	1

TABLE - 17

**TEACHERS ACCORDING TO QUALIFICATIONS, SEX AND STAGE  
AT WHICH TEACHING (RURAL AREA)**

District : North Goa

State : GOA

Qualifica- tion		Teachers at different stages					
		Primary schools			Upper Primary (Middle) Schools		
		Male	Female	Total	Male	Female	Total
1		2	3	4	5	6	7
Below Mid- dle Pass	Trained	-	2	2	-	-	-
	Untrained	4	9	13	2	1	3
Middle Pass	Trained	65	28	93	5	3	8
	Untrained	17	27	44	3	-	3
Matricu- late	Trained	700	761	1461	211	251	462
	Untrained	20	141	161	16	24	40
Higher Seconda- ry/Inter/ PUC/JC	Trained	20	52	72	46	59	105
	Untrained	6	42	48	22	11	33
Graduate	Trained	32	27	59	111	97	208
	Untrained	3	24	27	27	17	44
Post Gra- duate Doctorate	Trained	4	5	9	31	14	45
	Untrained	-	1	1	1	2	3
Language teachers (not co- vered above)	Trained	-	-	-	1	-	1
	Untrained	-	-	-	-	-	-
Others	Trained	7	2	9	23	5	28
	Untrained	-	1	1	-	-	-
TOTAL	Trained	828	877	1705	428	429	857
	Untrained	50	245	295	71	55	126

TABLE - 17 (Contd.)

TEACHERS ACCORDING TO QUALIFICATIONS, SEX AND STAGE  
AT WHICH TEACHING (RURAL AREA)

Teachers at different stages					
Secondary Schools			Higher Secondary Schools		
Male	Female	Total	Male	Female	Total
8	9	10	11	12	13
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
73	53	125	-	-	-
11	16	27	-	-	-
50	22	72	-	-	-
17	15	32	-	-	-
531	414	945	9	1	10
71	56	127	4	1	5
189	57	226	39	17	56
5	1	6	6	5	11
7	2	9	2	-	2
1	-	1	-	-	-
40	5	45	3	-	3
2	-	2	1	-	1
869	553	1422	53	18	71
107	88	195	11	6	17

**TABLE - 1B**

**TEACHERS ACCORDING TO QUALIFICATION, SEX AND THE STAGE AT WHICH TEACHING (URBAN AREAS)**

District : North Goa

State : GOA

Qualification		Teachers at different stages					
		Primary Schools			Upper Primary (Middle) Schools		
		Male	Female	Total	Male	Female	Total
1		2	3	4	5	6	7
Below Middle Pass	Trained	-	-	-	-	-	-
	Untrained	1	-	1	-	-	-
Middle Pass	Trained	2	5	7	-	-	-
	Untrained	1	2	3	-	-	-
Higher Secondary	Trained	32	156	188	27	46	73
	Untrained	1	42	43	1	1	2
Higher Secondary Inter/PUC/JC	Trained	1	26	27	11	34	45
	Untrained	2	18	20	5	2	7
Graduate	Trained	-	9	9	42	44	86
	Untrained	2	15	17	9	12	21
Post Graduate Doctorate	Trained	-	1	1	4	2	6
	Untrained	-	-	-	-	2	2
Language teachers (not covered above)	Trained	-	-	-	1	-	1
	Untrained	-	1	1	-	2	2
Others	Trained	-	-	-	5	1	6
	Untrained	1	-	1	-	2	2
TOTAL	Trained	35	197	232	90	127	217
	Untrained	8	78	86	15	21	35

TABLE - 18 (Contd.)

TEACHERS ACCORDING TO QUALIFICATIONS, SEX AND THE STAGE AT WHICH TEACHING (URBAN AREAS)

Teachers at different stages					
Secondary Schools			High	Secunda	Sch
Male	Female	Total	Male	Female	Total
8	9	10	11	12	13
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
7	4	11	-	-	-
-	-	-	-	-	-
4	1	5	-	-	-
2	1	3	-	-	-
113	136	249	1	-	1
7	7	14	-	1	1
38	26	64	7	5	
-	1	1	5	2	
2	4	6	-	-	-
-	-	-	-	-	-
7	-	7	1	-	1
-	-	-	-	-	-
171	171	342	73	50	123
9	9	18	5	3	8

TALUKA 19

PRIMARY SCHOOLS ACCORDING TO TEACHERS IN POSITION

District : North Goa

State: GOA

Sl. No.	Block/ Taluka	Schools with number of teachers in position							
		Zero	One	Two	Three	Four	Five	More than five	Total
1	2	3	4	5	6	7	8	9	10
	BARDEZ	-	07	29	17	18	07	09	87
	BICHOLIM	-	09	36	13	8	03	06	75
	PERNEM	-	14	39	14	13	03	03	86
	SATTARI	-	30	46	09	08	-	-	93
	PONDA	-	16	65	32	13	09	10	145
	TISWADI	-	4	14	10	10	04	15	57
	Urban areas not covered under Blocks	N11	0	03	.	07	02	10	
	<b>TOTAL</b>	-	81	232	99	77	28	53	570

**TABLE - 20**

**QUALIFICATIONS OF TEACHERS TEACHING SCIENCE  
SUBJECTS AT SECONDARY AND HIGHER SECONDARY STAGES**

Qualifications	Trained/ Untrained	No. of teachers teaching at	
		Secondary stage	Hr. Sec. stage
1	2	3	4
M.Phil	Trained	-	01
	Untrained	-	-
M.Sc.	Trained	52	42
	Untrained	45	14
B.Sc. (Hons)	Trained	97	Nil
	Untrained	28	Nil
B.Sc.	Trained	200	2
	Untrained	42	1
Inter Science	Trained	12	Nil
	Untrained	15	Nil
Matric with Science	Trained	23	Nil
	Untrained	3	Nil
Without Sc. Qualifications	Trained	10	Nil
	Untrained	0	Nil
Total	Trained	394	44
	Untrained	93	15

SOURCE : For col.3 = District Table 97, Total of cols. 6+9+10+11+12+13+17+20+21+22+23+24

For col.4 = District Table 97, Total of cols. 7+10+12+13+18+21+23+24.



TABLE - 21

**QUALIFICATIONS OF TEACHERS TEACHING MATHEMATICS  
AT SECONDARY AND HIGHER SECONDARY STAGES**

Qualifications	Trained/Untrained	No. of teachers teaching at	
		Secondary stage	Hr. Sec. stage
1	2	3	4
Ph.D./M.Phil	Trained	-	-
	Untrained	-	-
M.A./M.Sc.	Trained	26	14
	Untrained	18	2
B.A. (Hons.)/ B.Sc. (Hons.)	Trained	97	-
	Untrained	29	-
B.A. Pass/ B.Sc. (Pass)	Trained	111	1
	Untrained	25	-
Others	Trained	100	-
	Untrained	22	-
Total	Trained	334	15
	Untrained	94	2

SOURCE: Col. 3 = cols. 15+17 of table 116

col. 4 = cols. 16+17 of table 116

TABLE - 22

AGE-WISE ENROLMENT

District : North Goa

State : Goa

Class	Students in age groups							
	4 to below 6 yrs.		6 to below 11 yrs.		11 to below 14 yrs.		14 to below 16 yrs.	
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
1	2	3	4	5	6	7	8	9
I	8084	7903	615	661	40	44	18	-
II	949	759	6941	6665	203	198	18	18
III	-	-	8242	7493	790	709	70	95
IV	-	-	6721	6188	2033	1830	250	153
V	-	-	4538	4147	3520	3130	781	568
VI	-	-	257	194	5480	5202	1790	1279
VII	-	-	96	69	3726	3448	2335	2047
VIII	-	-	46	37	1314	928	4034	3941
IX	-	-	-	1	550	590	2754	2350
X	-	-	-	-	92	69	1490	1333
XI	-	-	-	-	1	-	474	428
XII	-	-	-	-	-	-	290	367
TOTAL	9033	8662	27656	25455	1614	14304		

**TABLE - 22 (Contd.)**

AGE-WISE ENROLLMENT

Students in age groups					
16 to below 18 years		18 years & above		TOTAL	
Boys	Girls	Boys	Girls	Boys	Girls
10	11	12	13	14	15
-	-	-	-	8957	8608
-	3	3	-	8118	7643
-	8	2	3	9110	8308
24	15	3	1	9031	8187
184	82	35	10	9058	7937
539	284	137	49	8203	7008
926	640	285	110	7368	6314
2068	1601	873	446	8335	6953
2175	1667	1282	705	8751	7958
1767	1458	938	646	4287	3506
1144	1037	623	270	2242	1735
828	775	433	257	1551	1399
9665	7570	4614	2517	83021	72931

TABLE - 23

Management-wise Enrolment

A r e a	Management	All communities (including SC & ST)							
		Classes I-V		Classes VI-VIII		Classes IX-X		Classes XI-XII	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
1	2	3	4	5	6	7	8	9	10
R U R A L	Government	26517	25189	3178	2478	552	561	438	238
	Local Body	-	-	-	-	-	-	-	-
	Pvt.aided	9578	8406	15233	13630	7645	6126	960	470
	Pvt.unaided	894	2755	17	36	111	7	-	-
	Total	36989	34296	18428	16144	8308	6694	1398	708
U R B A N	Government	2585	2337	288	203	67	25	121	87
	Local Body	-	-	-	-	-	-	-	-
	Pvt.aided	4053	3539	5061	3819	2619	2075	2274	2339
	Pvt.unaided	647	511	129	109	54	45	-	-
	Total	7285	6387	5478	4131	2740	2145	2395	2426
T O T A L	Government	29102	27526	3466	2681	619	586	559	325
	Local Body	-	-	-	-	-	-	-	-
	Pvt.aided	10835	9777	20294	17449	10264	8201	3234	2809
	Pvt.unaided	4337	3380	146	145	165	52	-	-
	Total	44274	40683	23906	20275	11048	8839	3793	34

Source:- SIF, items 3, 8(a), 34(a), 34(b) and 34(3)

TABLE - 23 (Contd.)

Management-wise Enrolment

Scheduled Caste							
Classes I-V		Classes VI-VIII		Classes IX-X		Classes XI-XII	
Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
11	12	13	14	15	16	17	18
979	891	109	82	14	6	1	-
-	-	-	-	-	-	-	-
-	-	196	102	73	37	14	4
54	58	1	5	-	2	-	-
1033	949	306	189	87	45	15	4
225	183	3	8	-	-	-	2
-	-	-	-	-	-	-	-
-	-	140	98	49	33	19	15
58	37	-	-	-	-	-	-
283	220	143	106	49	33	19	15
1204	1074	112	90	14	6	1	2
-	-	-	-	-	-	-	-
104	90	336	154	122	70	33	17
8	5	1	51	-	2	-	1
1316	1169	449	295	130	78	34	19

TABLE - 23 (contd.)

Management-wise Enrolment

Scheduled Tribes							
Classes I-V		Classes VI-VIII		Classes IX-X		Classes XI-XII	
Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
19	20	21	22	23	24	25	26
3	1	1	1	-	-	-	-
-	-	-	-	-	-	-	-
1	-	4	4	4	1	-	-
-	-	-	-	-	-	-	-
4	1	5	5	4	1	-	-
3	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
3	1	1	1	1	-	-	-
4	-	-	-	-	-	-	-
1	-	4	4	4	4	1	-
-	-	-	-	-	-	-	-
4	1	5	5	5	4	1	-

TABLE - 24

SCHOOLS TEACHING SCIENCE AND HAVING SCIENCE LABORATORIES

District : North Goa

State: GOA

A r e a	Management	Secondary Schools					
		No. of schools	Having separate Lab. for Physics, Chemistry & Biology	Having combined Lab. for all subjects	Teaching Home Science	Having Home Science Lab.	Having no Laboratories
1	2	3	4	5	6	7	8
R U R A L	Government	19	4	15	-	-	-
	Local body	-	-	-	-	-	-
	Private aided	120	17	101	4	2	2
	Pvt. unaided	2	-	2	-	-	-
	<b>TOTAL</b>	<b>141</b>	<b>21</b>	<b>118</b>	<b>4</b>	<b>2</b>	<b>2</b>
U R B A N	Government	1	-	1	-	-	-
	Local Body	-	-	-	-	-	-
	Pvt. aided	24	5	19	3	2	-
	Pvt. unaided	2	1	1	-	-	-
	<b>TOTAL</b>	<b>27</b>	<b>6</b>	<b>21</b>	<b>3</b>	<b>2</b>	<b>-</b>
T O T A L	Government	20	4	16	-	-	-
	Local body	-	-	-	-	-	-
	Pvt. aided	144	22	120	7	4	2
	Pvt. unaided	4	1	3	-	-	-
	<b>TOTAL</b>	<b>168</b>	<b>27</b>	<b>139</b>	<b>7</b>	<b>4</b>	<b>2</b>

TABLE - 24 (contd)

SCHOOLS TEACHING SCIENCE AND HAVING SCIENCE LABORATORIES

No. of schools teaching science	Higher Secondary Schools				
	Having separate lab. for physics, chemistry & biology	Having combined lab. for all subjects	Teaching Home Science	Having Home Science Lab.	Having no Laboratories
9	10	11	12	13	14
2	1	1	-	-	-
-	-	-	-	-	-
2	1	1	-	-	-
-	-	-	-	-	-
1	2	2	-	-	-
1	1	-	-	-	-
-	-	-	-	-	-
4	4	-	-	-	-
-	-	-	-	-	-
5	5	-	-	-	-
3	2	1	-	-	-
-	-	-	-	-	-
6	5	1	-	-	-
-	-	-	-	-	-
9	7	2	-	-	-



**TABLE - 25**

**HIGHER SECONDARY SCHOOLS ACCORDING TO COURSES OFFERED (ARTS/SCIENCE/COMMERCE, ETC.) AND ACCORDING TO VOCATIONAL COURSES(AT +2 STAGE)**

Sl. No.	Management	No. of Hr. Sec. schools offering					Home Sc.	No. of Hr. Sec. schools offering vocational courses
		Arts	Science	Com-merce	Agri-cul-ture	Tech-nical		
1	2	3	4	5	6	7	8	9
	Govt.	3	2	4	-	-	-	-
R U R A L	Local Body	-	-	-	-	-	-	-
	Pvt.aided	3	2	4	-	-	-	-
	Pvt.unaided	-	-	-	-	-	-	-
	Total	6	4	8	-	-	-	-
U R B A N	Govt.	1	1	1	-	-	-	-
	Local Body	-	-	-	-	-	-	-
	Pvt.aided	6	4	6	-	-	-	3
	Pvt.unaided	-	-	-	-	-	-	-
	Total	7	5	7	-	-	-	3
T O T A L	Government	4	3	5	-	-	-	-
	Local Body	-	-	-	-	-	-	-
	Pvt.aided	9	6	10	-	-	-	3
	Pvt.unaided	-	-	-	-	-	-	-
	Total	13	9	15	-	-	-	3

TABLE - 26

ENROLMENT IN VOCATIONAL COURSES AT +2 STAGE AND  
AVAILABILITY OF WORKSHOPS AND TEACHERS

District: North Goa

State : GOA

Name of the Course	Enrolment						No. of	
	Class XI			Class XII			Having workshop for the course	Having teachers for the course
	Boys	Girls	Total	Boys	Girls	Total		
2	3	4	5	6	7	8	9	
Book Binding	39	30	69	41	23	64	-	1
Office Management	26	47	73	39	41	80	-	1

**TABLE - 27**

**FACILITIES FOR NON-FORMAL EDUCATION**

District: North Goa

State: GOA

Level	Management	Rural				
		No. of vil- lages ha- ving NFE centres	No. of centres	No. of children		
				Boys	Girls	Total
1	2	3	4	5	6	7
P R I M A R Y	Govt./Local Body	NIL	NIL	NIL	NIL	NIL
	Private agencies aided by Govt./ Local Body	NIL	NIL	NIL	NIL	NIL
	Pvt. unaided	NIL	NIL	NIL	NIL	NIL
	Total	NIL	NIL	NIL	NIL	NIL
U P P E R  P R I M A R Y	Govt./Local Body	NIL	NIL	NIL	NIL	NIL
	Private agen- cies aided by Govt./ Local Body	NIL	NIL	NIL	NIL	NIL
	Private un- aided	NIL	NIL	NIL	NIL	NIL
	Total	NIL	NIL	NIL	NIL	NIL



TABLE - 28

ENROLMENT IN NON-FORMAL EDUCATION CENTRES

District: North Goa

State : GOA

Sl. No.	Name of block/ Taluka	Total No. of children at primary			Total No. of children at upper primary		
		Boys	Girls	Total	Boys	Girls	Total
1	2	3	4	5	6	7	8
1	BARDEZ	NIL	NIL	NIL	NIL	NIL	NIL
2	BICHOLIM	NIL	NIL	NIL	NIL	NIL	NIL
3	PERNEM	NIL	NIL	NIL	NIL	NIL	NIL
4	SATTARI	NIL	NIL	NIL	NIL	NIL	NIL
5	PONDA	NIL	NIL	NIL	NIL	NIL	NIL
	PISWADI	NIL	NIL	NIL	NIL	NIL	NIL
	Enrolment in urban areas	NIL	NIL	NIL	NIL	NIL	NIL
	Total	NIL	NIL	NIL	NIL	NIL	NIL

**ADULT EDUCATION/FUNCTIONAL LITERACY CENTRES  
AND THEIR ENROLMENT**

District : North Goa

State: GOA

A r e a	Management	No. of vil- lages/ur- ban areas having centres	No. of centres for				Enrolment in the centres		
			Men only	Women only	Both Men & women	Total	Men	Women	Total
1	2	3	4	5	6	7	8	9	10
R U R A L	Government/ Local body	69	24	70	45	139	738	1820	2558
	Pvt. agen- cies aided by Govt./ Local Bo- dies	-	-	-	-	-	-	-	-
	Pvt. unaided agencies	-	-	-	-	-	-	-	-
	<b>TOTAL</b>	<b>69</b>	<b>24</b>	<b>70</b>	<b>45</b>	<b>139</b>	<b>738</b>	<b>1820</b>	<b>2558</b>
U R B A N	Government/ Local Body	1	-	1	-	1	-	15	15
	Pvt. agen- cies aided by Govt./ Local bo- dies	-	-	-	-	-	-	-	-
	Pvt. unaided agencies	-	-	-	-	-	-	-	-
	<b>TOTAL</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>15</b>	<b>15</b>

PRE-PRIMARY EDUCATION FACILITIES

District : North Goa

State: GOA

Type of facility	RURAL		URBAN	
	No. of vil- lages having the faci- lity	No. of Ins- titutions	No. of city/ towns ha- ving the facility	No. of institu- tions
1	2	3	4	5
Salwadi/ Anganwadi	202	560	4	37
Independent Pre-Primary school	24	24	3	10
Pre-primary stage at- tached to a school	52	64	4	19

