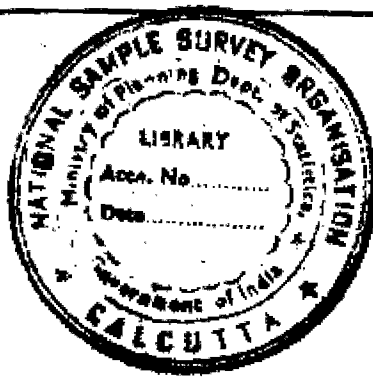


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सत्यमेव जयते

भारत सरकार

GOVERNMENT OF INDIA

राष्ट्रीय प्रतिदर्श सर्वेक्षण संगठन

NATIONAL SAMPLE SURVEY ORGANISATION

इकतीसवां दौर

THIRTY FIRST ROUND

जुलाई 1976—जून 1977

JULY 1976—JUNE 1977

संख्या 302/8

NUMBER 302/8

302/8
दस लाख से ऊपर की जनसंख्या वाले नगरों की
भोपड़-पट्टियों में परिवारों की समाजार्थिक स्थिति
पर किए गए सर्वेक्षण पर-टिप्पणियों सहित
तालिकाएँ : अहमदाबाद

TABLES WITH NOTES ON SURVEY ON SOCIO-ECONOMIC
CONDITION OF HOUSEHOLDS IN SLUMS IN MILLION-PLUS
CITIES : AHMEDABAD

1984

सांख्यिकी विभाग

DEPARTMENT OF STATISTICS

नई दिल्ली

NEW DELHI

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भारत सरकार
अराष्ट्रीय प्रतिदर्श सर्वेक्षण संगठन
इकतीसवाँ दौर

(जुलाई 1976 - जून 1977)
संख्या - 302/8

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GOVERNMENT OF INDIA
NATIONAL SAMPLE SURVEY ORGANISATION
THIRTYFIRST ROUND

(JULY 1976 - JUNE 1977)
NUMBER - 302/8

TABLES WITH NOTES ON SURVEY ON SOCIO-ECONOMIC
CONDITION OF HOUSEHOLDS IN SLUMS IN MILLION-
PLUS CITIES : AHAMADABAD

SEPTEMBER 1983
DEPARTMENT OF STATISTICS
NEW DELHI

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GOVERNMENT OF INDIA
NATIONAL SAMPLE SURVEY ORGANISATION
THIRTYFIRST ROUND : JULY 1976 - JUNE 1977
NUMBER - 302/8
TABLES WITH NOTES ON
SOCIO-ECONOMIC CONDITION OF HOUSEHOLDS IN SLUMS IN
MILLION PLUS CITIES ; AHMEDABAD

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NATIONAL SAMPLE SURVEY ORGANISATION
THIRTYFIRST ROUND : JULY 1976 - JUNE 1977

TABLES WITH NOTES
ON
SOCIO-ECONOMIC CONDITION OF HOUSEHOLDS
IN SLUMS IN MILLION-PLUS CITIES :

SECTION ONE

INTRODUCTION

1.1 A survey on socio-economic condition of households in slums in urban areas was conducted by the National Sample Survey Organisation in its thirtyfirst round from July 1976 to June 1977. This survey was restricted to slums in cities only, i.e., Class I towns with a population of one Lakh or above as per 1971 census. There were 148 cities in India as per 1971 census. The city proper and not the urban agglomeration was considered for survey coverage.

1.2 All the States and Union Territories participating in the NSS on a matching basis also participated in this survey by canvassing a sample at least of equal size as the central sample in slums in cities in respective States and Union Territories.^{a/}

1.3 The initial problem for this survey was to procure a suitable up-to-date list of slums for each of the cities under survey coverage. Some lists of slums were available with the respective Corporation, Municipal or other local authority. It was felt, however, that such lists were not complete and up-to date and naturally did not cover all slum areas. Considering limitations of resources and other aspects of the problem it was ultimately decided to restrict the survey to declared slums in eight big 'million-plus' cities viz., Calcutta, Bombay, Delhi M.C., Madras, Ahmedabad, Kanpur, Bangalore and Hyderabad having 1971 census population 1 million or above. With respect to other cities with a population of less than one million as per 1971 census it was decided that the list of declared slums should be augmented by adding more "slum like" areas to the lists. It was decided that the investigators should go round the city and identify such slum areas and prepare a list of those slums not included in the list obtained from the civic authorities. For identifying and demarcating such slum areas a slum was defined as "an areal unit having 25 or more inhabited kutcha structures mostly of temporary nature or with 50 or more households residing mostly in kutcha structures, huddled together, with practically no private latrine or inadequate public latrine and water supply facilities" ^{b/}.

a/ This survey was not conducted in Srinagar and Imphal.

b/ The method as adopted was finalised in the Central Training Conference for the thirtyfirst rd. of NSS held at New Delhi on 7-8 April 1976.

1.4. The basic sample design for this survey was a two stage design with each city as a stratum and slums in a city as first stage units and households in slums as second stage units. In eight 'million-plus' cities viz. Calcutta, Bombay, Delhi M.C, Madras, Kanpur, Ahmedabad, Bangalore and Hyderabad, the frame of slums was the list of declared slums collected from respective corporation or other appropriate authorities. In other cities this list of slums was augmented by adding more areal units having "slum like" characteristics.^{c/} In 'million-plus' cities from the lists of declared slums and in other cities from the augmented lists of slums samples of slums ^{d/} selected circular systematically with probability proportional to size where size was an approximate measure of slum population. Sample slums with large population content were divided into 2 or more sub-divisions of approximately equal population content and one of the divisions was selected at random for detailed survey. In each sample slum/sub-division of slum all the households were listed. From this frame of households a sample of households was selected circular systematically for detailed enquiry in schedule 16.3 : Economic condition of slum dwellers.

1.5 This report is based on data collected in schedule 16.3 : Economic condition of slum dwellers - canvassed in the central sample in slums of city. It presents information on demographic particulars, education standard, education of children, employment, income, expenditure and indebtedness, housing condition etc. of slum dwellers of the city. Some of the important findings of the survey as observed on the basis of survey results are presented in Section 2. Detailed statistical tables are given in Appendix I. Appendix II gives the important concepts and definitions used in the survey. A note on the estimation procedure is given in appendix III.

^{c/} For carving out such "undeclared slums" in 50 PC. of the cities the job was done by the staff of FOD, NSSO and in the residual 50 pc. by the staff of the corresponding SSB participating in NSS survey work.

^{d/} Sample size was determined on the basis of the strength of the field staff available for the survey.

1.6 This report, as presented here, has been revised after taking into consideration the comments on the report and comments of similar nature received on earlier occasion on draft reports on slum households of Calcutta, Bombay and Madras (NSS Report nos. 302/1, 2 & 3). An enlarged version of an Appendix (Appendix IV) has been enclosed in the report where some selected demographic and socio-economic characteristics of slum households of the city have been presented alongwith corresponding characteristics for all urban households of (a) the state and (b) the city for a comparative study at a glance. The comparative figures have been taken from the surveyed households of 32nd round of the NSS (July 1977 - June 1978).

SECTION TWO
SUMMARY RESULTS

2.1 In the city of Ahmedabad 17 declared slums were divided into 60 smaller areal units and a sample of 20 such smaller units were allotted for survey. All the 20 sample slum areas allotted for survey were surveyed. Information on socio-economic aspects of slum dwellers were collected from 279 sample households. It is estimated that nearly 7 thousand households covering an estimated population of nearly 40 thousand resided in the slum areas. Aggregate estimates for the slums have been presented in Appendix I while some broad information are given in Table S-1 below.

Table(S-1) : Some selected socio-economic characteristics relating to slum dwellers of Ahmedabad city

1. household size	5.76
2. per household number of	
children 0-14 years	2.40
females 15 & over	1.58
males 15 & over	1.78
3. females per 100 persons	45
4. percentage of children 5-14 years not attending school	24
5.1 percentage of literate males	64
5.2 percentage of literate females	37
6.1 percentage of males with job or at work	41
6.2 percentage of females with job or at work	8
7. average monthly household income (Rs.)	369
8. average monthly per capita expenditure (Rs.)	55
9.1 percentage of indebted household	30
9.2 average outstanding loan per indebted household (Rs.)	2261
10. percentage of households residing in kutcha dwelling units	38
11. percentage of households residing in dwelling units having no room satisfying NBO's specification	0.35
12.1. percentage of households with no latrine facilities	10
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NATIONAL SAMPLE SURVEY 31ST ROUND : JULY 1976 - JUNE 1977

Table (1): Number of households and persons by monthly per-capita consumer expenditure class and household group

Ahmedabad

monthly per- capita consumer expenditure class (in Rs.)	household group									
	scheduled caste		scheduled tribe		neo-buddhist		others		total	
	house- holds	per- sons	house- holds	per- sons	house- holds	per- sons	house- holds	per sons	house- holds	per- sons
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
0 - 13	596	3206	695	5020	223	1615	3454	2152	4968	31369
13 - 15	-	-	24	248	24	124	250	771	298	1143
15 - 18	49	273	49	223	-	-	349	1169	447	1665
18 - 21	24	223	24	49	24	173	275	1120	347	1565
21 - 24	-	-	24	198	-	-	50	548	74	746
24 - 28	24	198	74	571	-	-	51	225	149	994
28 - 34	49	347	24	124	99	372	76	251	248	1094
34 - 43	-	-	-	-	24	24	100	274	124	298
43 - 55	24	173	24	149	-	-	24	50	72	372
55 - 75	-	-	49	173	-	-	74	199	123	372
75 - 100	-	-	-	-	-	-	50	124	50	124
100 - 150	-	-	-	-	-	-	-	-	-	-
150 - 200	-	-	-	-	-	-	-	-	-	-
200 & above	-	-	-	-	24	124	-	-	24	124
not recorded	-	-	-	-	-	-	-	-	-	-
all classes	766	4420	987	6755	418	2432	4753	26259	6924	39866

1. No. of sample slums surveyed : 20

2. No. of sample households surveyed : 279

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

Table (2) : Number of persons by age, sex and marital status

Ahmedabad

age-group (years)	sex	marital status				total
		never married	married	widowed	sepa- rated divor- ced	
(1) -	(2)	(3)	(4)	(5)	(6)	(7)
0 - 4	male	2806	-	-	-	2806
	female	1838	49	-	-	1887
	total	4644	49	-	-	4693
5 - 9	male	2956	-	-	-	2956
	female	2856	-	-	-	2856
	total	5812	-	-	-	5812
10 - 14	male	3651	99	24	-	3774
	female	2310	49	-	-	2359
	total	5961	148	24	-	6133
15 - 19	male	2558	74	49	-	2681
	female	1291	273	24	49	1637
	total	3849	347	73	49	4318
20 - 24	male	1291	496	24	49	1860
	female	298	1291	-	149	1738
	total	1589	1787	24	198	3598
25 - 29	male	173	1192	24	24	1413
	female	49	1664	24	24	1761
	total	222	2856	48	48	3174
30 - 44	male	74	3403	173	-	3650
	female	74	2956	298	49	3377
	total	148	6359	471	49	7027
45 - 59	male	149	1763	149	-	2061
	female	74	1093	447	24	1588
	total	173	2856	596	24	3649
60 & above	male	24	422	198	-	644
	female	24	74	720	-	818
	total	48	496	918	-	1462
total	male	13682	7449	641	73	21845
	female	8764	7449	1513	295	18021
	total	22446	14898	2154	368	39866

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

Table (3) : Number of persons aged 5 years and above by education standard

education standard	Ahmedabad		
	male	female	total
(1)	(2)	(3)	(4)
1. illiterate	5092	9438	14530
2. literate but below primary	6474	3595	10069
3. primary	4048	2160	6208
4. middle	1863	720	2583
5. secondary	1290	198	1488
6. graduate & above	271	24	295
7. total	19038	16135	35173

Table (4) : Distribution of number of children aged 5-14 years attending school, once attended but discontinued and never attended by age of child

Ahmedabad

attending schools	age of children from 5-14 years										
	5	6	7	8	9	10	11	12	13	14	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1. attending, school	396	796	895	1268	496	1788	447	1142	596	621	8445
2. once atten- ded but dis- continued	24	24	74	74	76	26	50	199	74	74	695
3. never atten- ded	523	322	198	223	24	322	49	248	75	149	2133
4. total	943	1142	1167	1565	596	2136	546	1589	745	844	11273

* Information on education in school was not available for 5.63 p.c. of children in the age group 5-14 years.

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

Table (5) : Number of children aged 5-14 years not attending school by reason for non-attendance

Ahmedabad

not attending school	reason for non-attendance							
	cannot bear expenses	child working as helper either in household or in service	required for domestic work	child refuses to go	mentally or physically handicapped	indifferent	others	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. once attended but discontinued	298	99	223	75	-	-	-	695
2. never attended	596	49	198	1093	24	124	49	2133
3. total	894	148	421	1168	24	124	49	2828

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

Table (6) : Number of persons by current weekly activity status by age and sex

Ahmedabad

age-group (years)	current weekly activity status											
	working			either seeking or available for work			not available for work			total		
	male	female	total	male	female	total	male	female	total	male	female	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. 0 - 4	-	-	-	-	-	-	2806	1887	4693	2806	1887	4693
2. 5 - 9	-	24	24	-	-	-	2956	2831	5787	2956	2855	5811
3. 10 -14	99	24	123	49	-	49	3626	2355	5981	3774	2379	6153
4. 15 -19	770	-	770	446	-	446	1465	1634	3099	2681	1634	4315
5. 20 -24	1192	223	1415	198	-	198	472	1511	1983	1862	1734	3596
6. 25 -29	1316	173	1489	74	-	74	21	1584	1605	1411	1757	3168
7. 30 -44	3626	546	4172	24	-	24	-	2821	2821	3650	3367	7017
8. 45 -59	1838	347	2185	49	-	49	173	1242	1415	2060	1589	3649
9. 60 & above	223	149	372	-	-	-	422	670	1092	645	819	1464
10. all age group	9064	1486	10550	840	-	840	11941	16535	28476	21845	18021	39866

Ashim/

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

Table (7) : Number of persons aged 5 years and above by current weekly activity status and general education.

Ahmedabad

general education	current weekly activity status											
	working			either seeking or available for work			not available for work			total		
	male	female	total	male	female	total	male	female	total	male	female	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. illiterate	3179	1019	4198	173	-	173	1740	8419	10160	5092	9438	14530
2. literate but below primary	2387	192	2579	247	-	247	3840	3403	7243	6474	3595	10069
3. primary	1788	159	1947	273	-	273	1987	2001	3988	4048	2160	6208
4. middle	993	92	1085	24	-	24	846	628	1474	1863	720	2583
5. secondary	545	24	569	74	-	74	671	174	845	1290	198	1488
6. graduate & above	172	-	172	49	-	49	50	24	74	271	24	295
7. total	9064	1426	10550	840	-	840	9134	14649	23783	19038	16135	35173

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

Table (3): Number of persons registered and not registered with employment exchange by current weekly activity status.

Ahmedabad

current weekly activity status	registered	not registered	total
(1)	(2)	(3)	(4)
1. working	149	10401	10550
2. did not work but sought work	447	371	818
3. available for work	-	24	24
. t o t a l	596	10796	11392

Ashim/

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

Table (9): Number of working persons by industry division.

Ahmedabad

industry division	working persons		
	male	female	total
(1)	(2)	(3)	(4)
1. agriculture	298	99	397
2. manufacturing	5290	471	5761
3. electricity, gas and water	-	-	-
4. construction	273	99	372
5. wholesale and retail trade and hotel & restaurant	1391	521	1912
6. transport, storage and communication	422	-	422
7. community, social and personal services	1192	273	1465
8. other industries	197	24	221
9. all industries	9063	1487	10550

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

Table (10): Number of working persons by occupation class

Ahmedabad

occupation class	male	female	total
(1)	(2)	(3)	(4)
1. professional, technical, administrative, executive and managerial workers	270	48	318
2. clerical and related workers	596	99	695
3. transport supervisors, conductors, telephone and telegraph operations	173	24	197
4. sales workers	1092	520	1612
5. domestic servants, maids and house-keeping workers	-	74	74
6. sweepers, cleaners and related workers	124	24	148
7. launderers, dhobis, washermen and pressers etc.	24	-	24
8. hair dressers, barbers and related workers	-	24	24
9. other service workers	297	24	321
10. farmers, fishermen, hunters, loggers and related workers	346	74	420
11. miners, quarrymen and related workers	49	-	49
12. metal processors	24	-	24
13. spinners, weavers and related workers	3527	74	3601
14. tanners, shoemakers and related workers	223	-	223
15. food and beverage processors	-	-	-
16. bidi makers	-	-	-
17. tailors, dress makers and upholsterers etc.	124	248	372
18. carpenters and cabin makers and related workers	99	-	99
19. blacksmiths and related workers	347	74	421
20. stone cutters, machine fitters, plumbers etc.	223	-	223
21. printers and related workers	-	-	-
22. construction workers	74	-	74
23. motor vehicle operators, taxi drivers and autorickshaw drivers	173	-	173
24. cycle rickshaw operators, and other transport operators including animal driven vehicles	-	-	-
25. labourers n.e.c.	968	149	1117
26. all other occupations	311	30	341
27. not recorded	-	-	-
28. total	9064	1486	10550

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

Table (11): Number of principal earner by native place

Ahmedabad

native place	rural	urban	total
(1)	(2)	(3)	(4)
1. Ahmedabad	-	5691	5691
2. same state	347	346	693
3. other states	198	74	272
4. not recorded ^{1/}	-	-	148
5. sub-total (2 to 4)	545	420	1113 ^{3/}
6. native place not recorded ^{2/}	-	-	120
7. total (1+5+6)	-	-	692 ^{3/}

^{1/} : migrant to the city but native place not recorded.

^{2/} : whether a native of the city or a migrant to the city not recorded.

^{3/} : total does not agree with total of rural and urban because the not recorded cases could not be classified by rural and urban.

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

Table (12): Number of migrant principal earners to the city by native place and reason for migration

Ahmedabad

native place	reason for migration			
	on work	in search of work	others & not recorded	total
(1)	(2)	(3)	(4)	(5)
same state (rural)	124	99	124	347
same state (urban)	24	198	124	346
other states (rural)	124	74	-	198
other states (urban)	-	74	-	74
total (rural)	248	173	124	545
total (urban)	24	272	124	420
not recorded ^{1/}	-	74	74	148

^{1/} migrant to the city but native place not recorded

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

Table (13): Number of migrant principal earners by age and by reason for migration

Ahmedabad

age group in years	reason for migration			total
	on work	in search of work	others	
(1)	(2)	(3)	(4)	(5)
15 - 24	-	-	-	-
25 - 44	198	371	174	743
45 - 59	74	124	124	322
60 & above	-	24	24	48
not recorded	-	-	-	-
all age groups	272	519	322	1113

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

Table (14): Number of migrant principal earners and other principal earners by occupation class

Ahmedabad			
occupation class	migrant earner	other earner ^{1/}	total
(1)	(2)	(3)	(4)
1. professional, technical, administrative, executive and managerial workers	24	394	418
2. clerical and related workers	24	522	546
3. transport supervisors, conductors, telephone and telegraph operations	-	173	173
4. sales workers	98	696	794
5. domestic servants, maids and house-keeping workers	-	24	24
6. sweepers, cleaners and related workers	24	100	124
7. launderers, dhobis, washermen and pressers etc.	-	24	24
8. hair dressers, barbers and related workers	-	24	24
9. other service workers	24	173	197
10. farmers, fishermen, hunters, loggers and related workers	24	199	223
11. miners, quarrymen and related workers	-	24	24
12. metal processors	24	-	24
13. spinners, weavers and related workers	571	2037	2608
14. tanners, shoemakers and related workers	24	199	223
15. food and beverage processors	-	-	-
16. bidi makers	-	-	-
17. tailors, dress makers and upholsterers etc.	49	50	99
18. carpenters and cabin makers and related workers	24	-	24
19. blacksmiths and related workers	-	173	173
20. stone cutters, machine fitters, plumbers etc.	-	99	99
21. printers and related workers	-	-	-
22. construction workers	-	49	49
23. motor vehicle operators, taxi drivers and autorickshaw drivers	24	125	149
24. cycle rickshaw operators and other transport operators including animal driven vehicles	-	-	-
25. labourers ne.e.c.	124	521	645
26. all other occupations	55	205	260
27. not recorded	-	-	-
28. total	1113	5819	6924

^{1/} including 120 principal earners for whom information whether a native of the city or a migrant to the city was not available.

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

Table(15): Number of households by monthly household income group and average household income

Ahmedabad

monthly household income group (Rs.)			number of households	average house- hold income (in Rs. 0.00)
(1)			(2)	(3)
1.	0	- 50	24	-
2.	51	- 75	49	67.55
3.	76	- 100	74	90.05
4.	101	- 125	49	115.05
5.	126	- 150	397	148.80
6.	151	- 200	496	198.05
7.	201	- 250	869	242.62
8.	251	- 300	1117	293.53
9.	301	- 400	1863	373.43
10.	401	- 500	1043	461.24
11.	501	- 700	571	599.31
12.	701	- 1000	372	876.99
13.	1001 & above		-	-
14. t o t a l			6924	369.45

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

Table (16): Number of households reporting income by different sources

Ahmedabad

source of income	number of households	total income in Rs. (00)	average household income per reports household in (Rs. (0.00))
(1)	(2)	(3)	(4)
1. wages, salaries and persons	5260	1963754	373.33
2. receipts from enterprise	2082	551125	264.70
3. income from property	24	1490	62.10
4. others	319	41731	141.46
5. t o t a l	6924	2558100	369.45

N.B. • Total of column (2) will not add upto item 5, column (2) as households reporting income from more than one source were shown against each source reported.

Ashim/

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

Table (17.1): Number of indebted households and amount of outstanding loan by source of loan

Ahmedabad		
source of loan	number of households	amount of loan in Rs. (00)
(1)	(2)	(3)
1. landlord	74	1490
2. money lender	447	7410
3. co-operative credit society	298	6394
4. government	49	2410
5. bank	248	1888
6. provident fund & insurance	99	1078
7. friends & relatives	1068	26965
8. total	2061	46635

Table (17.2): Number of indebted households and amount of outstanding loan by purpose of loan

Ahmedabad		
purpose of loan	number of households	amount in Rs. (00)
(1)	(2)	(3)
1. current expenses of enterprise	223	1987
2. acquisition of fixed assets for enterprise	173	5142
3. marriage and other ceremony	596	13350
4. household expenses	745	12025
5. repayment of debt	149	2432
6. others	248	6508
7. not recorded	74	5191
8. total	2061	46635

N.B.: In table 17.1 total of column (2) will not add upto item 8, col.(2) as households reporting loan from more than one source for the same purpose or for different purposes were shown against each source. Similarly in table 17.2 borrowing for different purposes by the same household was shown against each purpose and so the total of col.(2) will not add upto item 8, col.(2).

NATIONAL SAMPLE SURVEY 1ST ROUND : JULY 1976 - JUNE 1977

Table (18): Consumer expenditure per person per month on broad group of items by monthly per-capita consumer expenditure classes.

Ahmedabad

selected item of consumer expenditure	monthly per-capita consumer expenditure classes in Rs.											
	0 - 18	18-21	21-24	24-28	28-34	34-43	43-55	55-75	75-100	100 - 150	150 & above	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. cereals	-	-	10.20	8.33	10.64	13.72	15.35	16.67	18.14	27.11	31.74	15.49
2. gram	-	-	-	0.06	0.13	0.17	0.22	0.30	0.32	0.23	0.76	0.23
3. cereal substitute	-	-	-	-	-	-	-	0.17	0.15	-	-	0.04
4. pulses	-	-	3.00	2.25	2.24	2.09	2.72	3.15	4.39	4.85	8.76	2.89
5. milk & milk product	-	-	-	1.65	2.58	3.42	4.79	5.90	8.98	14.33	17.53	5.17
6. edible oil	-	-	2.70	1.45	2.14	2.60	2.69	3.86	4.62	8.52	11.41	3.31
7. meat & fish	-	-	1.00	1.95	1.80	1.08	1.72	2.71	5.54	4.04	1.76	2.06
8. vegetables	-	-	1.00	2.50	2.44	2.68	3.52	4.14	6.21	8.57	11.76	3.80
9. sugar	-	-	-	1.23	1.70	2.13	2.32	2.30	3.70	5.26	8.29	2.47
10. other foods	-	-	0.83	0.48	1.09	0.30	0.44	1.58	3.41	8.03	3.39	1.36
11. total foods	-	-	18.73	19.90	24.76	28.91	33.77	40.78	55.46	80.94	95.40	36.82
12. fuel & light	-	-	3.00	2.25	2.33	3.03	4.14	4.80	7.48	11.40	14.38	4.43
13. cloth & bedding	-	-	-	-	0.22	0.04	1.50	5.36	10.09	12.95	86.94	4.49
14. footwear	-	-	-	-	0.22	0.04	0.30	0.33	1.07	0.61	3.65	0.35
15. education	-	-	-	-	-	0.30	0.83	0.98	0.87	-	0.59	0.60
16. medicine	-	-	-	0.50	-	0.13	0.53	1.73	1.24	2.90	2.53	0.77
17. rent	-	-	0.60	0.63	1.37	0.95	1.48	1.03	2.50	2.32	1.76	1.30
18. taxes	-	-	-	-	-	0.05	0.03	0.07	-	-	-	0.03
19. other expenditure	-	-	1.30	3.32	2.32	4.12	6.57	6.23	8.62	15.26	23.80	6.17
20. total non-food	-	-	4.90	6.70	6.46	8.66	15.38	20.53	31.87	45.44	133.65	18.14
21. total food & non-food	-	-	23.63	26.60	31.22	37.57	49.15	61.31	87.33	126.38	229.05	54.96

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

Table (19) : Number of households and persons by (1) households having no room within NBO specifications but having room below NBO specifications and (2) households having at least one room within NBO specifications by type of structure of dwelling units

Ahmedabad

type of structure	average house- hold size	dwelling units by room type				not recorded
		having no room within NBO speci- fication but having room below speci- fication		having at least one room within NBO specification		
		house- holds	per- sons	house- holds	per- sons	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. kutcha house with mud floor	5.94	-	-	1515	8992	24
2. kutcha house with non-mud floor	8.25	24	198	1068	5986	-
3. semi-pucca house with mud floor	5.87	-	-	1366	8023	49
4. semi-pucca house with non-mud floor	5.60	-	-	1415	7924	-
5. pucca house with mud floor	5.65	-	-	123	695	-
6. pucca house with non-mud floor	5.65	-	-	1315	7427	-
7. not recorded	-	-	-	-	-	25
8. total	5.75	24	198	6802	39047	98

Ashim/

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

Table (20): Number of households by latrine arrangements and by type of structure

Ahmedabad

type of structure	latrine arrangements							not recorded	total
	none	for community use			for the exclusive use by households				
		sani- tary	service	others	sani- tary	service	others		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1. kutcha house with mud floor	174	993	372	-	-	-	-	-	1539
2. kutcha house with non-mud floor	24	944	124	-	-	-	-	-	1092
3. semi-pucca house with mud floor	297	945	173	-	-	-	-	-	1415
4. semi-pucca house with non-mud floor	98	1119	198	-	-	-	-	-	1415
5. pucca house with mud floor	74	49	-	-	-	-	-	-	123
6. pucca house with non-mud floor	48	794	425	-	48	-	-	-	1315
7. not recorded	-	-	-	-	-	-	-	24	25
8. total	715	4844	1292	-	48	-	-	25	6924

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

Table (21) : Number of households by facilities of drinking water supply type and by latrine arrangement

Ahmedabad

drinking water supply type	latrine arrangements							not recorded	total
	none	for community use			for exclusive use by the households				
		sani- tary	ser- vice	others	sani- tary	ser- vice	others		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1. none	444	49	323	-	-	-	-	-	816
2. for community use	271	3850	819	-	24	-	-	-	4964
3. for exclusive use by the household	-	945	150	-	24	-	-	25	1144
4. not recorded	-	-	-	-	-	-	-	-	-
5. total	715	4844	1292	-	48	-	-	25	6924

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

Table (22) : Number of households by rented and not rented accommodation and average amount of monthly rent per household by structure of dwelling units.

Ahmedabad

type of structure	no. of households dwelling		average rent in Rs. 0.00 per month per rented household
	rented	not rented	
(1)	(2)	(3)	(4)
1. kutcha house with mud floor	1192	347	9.82
2. kutcha house with non-mud floor	869	223	8.76
3. semi-pucca house with mud floor	1291	124	9.84
4. semi-pucca house with non-mud floor	1093	322	11.15
5. pucca house with mud floor	24	99	5.18
6. pucca house with non-mud floor	993	322	13.41
7. not recorded	-	25	-
8. all types	5462	1462	10.56

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

Table (23): Number of currently married women by age-group and family planning method ^{a/}
Ahmedabad

age of wife (in years)	type of family planning method								no. of current- ly married wives
	none	vasec- tomy	tubec- tomy	condom	oral pill	IUCD ordina- phragm	rhythm or with- drawal	conti- nued absti- nence	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
15 - 19	246	-	-	-	-	-	-	-	246
20 - 24	1168	-	-	25	-	-	-	-	1193
25 - 29	1372	123	123	25	-	-	-	-	1643
30 - 34	925	98	123	145	-	-	-	-	1291
35 - 39	425	123	171	97	-	-	-	-	816
40 - 44	549	48	146	-	-	-	25	-	768
a 1: 1	4685	392	563	292	-	-	25	-	5957

a/ According to instruction for this survey, information on family planning was required to be collected from the husband of currently married wife. As some of the husbands could not be contacted at the time of the survey, this part of information was not available for 3.67 percent of currently married women in the age group 15-44 years.

Appendix II

Concepts and Definitions

1. Some of the important concepts and definitions adopted in the survey are given below :
2. Household : A group of persons normally living together and taking food from a common kitchen constituted a household.
3. Industry and occupation : The sector of economic activity in which a person worked was the industry of the person. The nature or type of work performed by the person was termed as the occupation of the person. For industry and occupation of an individual the National Industrial Classification (NIC-1970) and National Classification of Occupation (NCO-1968) respectively were used.
4. Literate : A person was treated as a literate if he could both read and write a simple message in at least one language.
5. Current activity status : Current activity status for an individual was determined considering the activities pursued by the individual during the reference week ending on the day preceding the date of survey. If an individual was working on any single day and during the rest of the days of the week he was either seeking or available for work or attended educational institutions he was to be treated as 'working'. Thus priority was given to 'working' category over non-working category. Similarly, if an individual was either seeking work or available for work on any single day and during the rest of days of the week he was not available for work, he was treated as seeking or available for work. Thus, priority was given to seeking or available for work over not available for work.
6. Household principal earner : In a household the member whose income from gainful occupation during the last one year was highest was treated as the principal household earner. If the earnings of two or more members were equal the seniormost person among them was taken as the principal earner.
7. Migrant principal household earner : The principal household earner was treated as a migrant when native place of the principal earner was not the city of enumeration. The native place was defined as a place where the parents or fore-fathers of the earner resided more or less permanently and with which the principal earner had at least some occasional connection.

8. Income/receipts from enterprises : Income from self-employment by the members of the household from all enterprises like transport, trade, manufacture and profession and services were covered. Income from manufacture comprised amount received and receivable from sale of product during the reference period less expenses incurred for producing the product. Income from trade comprised amount received and receivable from sale of goods during the reference period less purchase value of the goods sold and other expenses. Similarly income from other enterprises like transport, profession or other services comprised amount received and receivable from services rendered during the reference period less expenses incurred for rendering the services.

9. Dwelling unit : For purposes of this survey 'dwelling unit' meant the prevailing housing accommodation available to the household.

10. Type of structure : The dwelling units were classified into three categories, namely, pucca, semi-pucca and katcha on the basis of the materials used for construction. A pucca structure was one whose both walls and roof were made of pucca materials. A semi-pucca structure was one whose either the walls or the roof, but not both, were made of pucca materials. A katcha structure was one whose both walls and roof were made of non-pucca materials. Materials, such as oven burnt bricks, stone blocks, cement, concrete, jackboard (cement plastered reed), tiles and timbers were treated as pucca materials. Corrugated iron or asbestos sheets used in the construction of roof were also treated as pucca materials.

11. Room : Rooms were divided into two types as 'rooms within NBO's specification' and 'rooms below NBO's specification'. As per specification of the National Building Organisation (NBO) a room should have a minimum floor area of four square metres enclosed by walls from floor to ceiling with a door and roof above with minimum height from floor to ceiling at least 2 metres. Rooms satisfying this specification were termed as 'rooms within NBO's specification'. Rooms which did not satisfy the specifications were termed as 'rooms below NBO's specification'.

Appendix III

Estimation Procedure

/million- A.1 The list of the declared slums in each /constituted the frame
plus of first stage units. Sample slums for the survey were selected circular
city systematically with probability proportional to size where size was a
measure of slum population. Sample slums having large population were
divided into two or more sub-divisions having nearly equal population
content and one of the sub-divisions was selected at random and the
survey was confined to the selected sub-division only. All the households
in the sample slum/sub-division were listed in the listing schedule.
From this list generally a sample of 14 households was selected circular
systematically in each sample slum/sub-division for household enquiry.

A.2 Denoting by

- i : subscript of i-th surveyed slum/sub-division
- j : subscript of j-th sample household
- z : slum size (used for selection)
- m : number of surveyed slums
- h' : total number of households listed in the sample slum/
sub-division
- h : number of sample households surveyed for schedule 16.3
- Z : total size of urban slums
- D : number of sub-divisions actually formed
- y : value of characteristic of a sample household
- Y : estimate of y for the city

estimated value of a character y, denoted by Y, for a sub-class of households

or for all households from the detailed schedules was estimated as

$$Y = M \sum_i \sum_j y_{ij}$$

where the summation extended over all sample households belonging to the sub-class s and M was the multiplier or raising factor. The multiplier M was estimated as

$$M = H / \sum_i h_i$$

where H was the estimated number of households based on the listing schedule, estimated as

$$H = \frac{Z}{m} \sum \frac{D_i \cdot h_i}{Z_i}$$

A.3 Denoting by Y and X the estimated of the aggregates at the city level of the two characteristics y and x respectively, the ratio of two characteristics y by x , was estimated by the ratio of the estimates Y and X as Y/X .

Appendix IV

Comparison with urban households

In the table below a few select socio-economic characteristics relating to (i) urban households of (a) the state of Gujarat and (b) Ahmedabad city & (ii) slum households of Ahmedabad city are presented. The data for the urban households as given in the table are based on data collected in schedule 10/schedule 1.0 of NSS 32nd round (July 1977 - June 1978).

Table A.4 : Comparison with urban household of the city and state

characteristics	slum house- holds of Ahme- dabad city	urban house- holds of Ahme- dabad city ^{a/}	urban house- holds of Gujarat
1. percentage of scheduled caste and scheduled tribe households	25	-	11
2. household size	5.76	5.22	5.26
3. per household number of children 0-14 years	2.40	1.97	2.04
females 15 years & over	1.58	1.64	1.54
males 15 years & over	1.78	1.61	1.67
4. females per 100 persons	45	45	48
5. percentage of children 5-14 years not attending school	25	28	31
6.1. percentage of literate males	64	81	82
6.2. percentage of literate females	37	90	64
7.1. percentage of males with job or at work	41	46	48
7.2. percentage of females with job or at work	8	8	11
8. average monthly per capita expenditure (Rs.)	55	NA	104
9. incidence of unemployment ^{b/}	7	8	5
10. percentage of working persons by industry division :			
10.0. agriculture	4	1	12
10.1. manufacturing	54	NA	0
10.2. electricity, gas and water	-	"	34
10.3. construction	4	"	1 ^{c/}
10.4. wholesale & retail trade & hotels & restaurants	18	"	1
10.5. transport, storage and communication	4	"	21
10.6. community, social & personal services	14	"	7
10.7. other industries	2	"	24
10.8. total non-agriculture	96	99	88
10.9. all industries	100	100	100

^{a/} provisional

^{b/} person seeking or available for work as per cent of total labour force.

^{c/} person working as casual labour in public works shown under construction & persons working as casual labour in other types of non-agricultural work distributed over non-agricultural industries on prorata basis.

Errata to NSS Draft Report No. 302/8 . Socio-economic condition of households in slums in Ahmedabad , NSS-31st round.

sr. no.	page no.	table no.	column no.	item/line no.	read	for
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1.	3	S-1	2	4	26	24
2.			2	9.2	2263	7
3.			2	10	20.04	38
4.	8	3	2	1	5093	5092
5.			3	1	9437	9438
6.			2	7	19039	19038
7.			3	7	16134	16135
8.	11	7	8	1	1741	1740
9.			9	1	8419	8418
10.			8	7	9135	9134
11.			9	7	14648	14649
12.	11	7	11	1	5093	5092
13.			12	1	9437	9438
14.			11	7	19039	19038
15.			12	7	16134	16135
16.	13	9	2	8	198	197
17.			3	8	23	24
18.			2	9	9064	9063
19.			3	9	1486	1487
20.	20.	16	2	4	295	319
21.	24	20	9	7	25	24
			10	7	25	24
23.			9	8	25	24
24.			10	8	6924	6923
25.	25	21	9	3	25	24
26.			10	3	1144	1143
27.			9	5	25	24
28.			10	5	6924	6923
29.	10	6	The existing table 6 to be replaced by the table annexed.			
30.	12	8	3	2	369	371
31.			4	2	816	818
32.			3	4	10794	10796
33.			4	4	11390	11392

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

Table (6) : Number of persons by current weekly activity status by age and sex

Ahmedabad

age - group (years)	current weekly activity status											
	working			either seeking or available for work			not available for work			total		
	male	female	total	male	female	total	male	female	total	male	female	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
0 - 4							2806	1887	4693	2806	1887	4693
5 - 9		24	24	-	-	-	2956	2832	5788	2956	2856	5812
10 - 14	99	24	123	49	-	49	3626	2335	5961	3774	2359	6133
15 - 19	770	-	770	446		446	1465	1637	3102	2681	1637	4318
20 - 24	1192	223	1415	198	-	198	470	1515	1985	1860	1738	3598
25 - 29	1316	173	1489	74	-	74	23	1588	1611	1413	1761	3174
30 - 44	3626	546	4172	24	-	24	-	2831	2831	3650	3377	7027
45 - 59	1838	347	2185	49	-	49	174	1241	1415	2061	1588	3649
60 & above	223	149	372	-	-	-	421	669	1090	644	818	1462
t o t a l	9064	1486	10550	840	-	840	11941	16535	28476	21845	18021	39866