

energy used by indian households

NSS 50TH ROUND
July 1993 - June 1994

**FIFTH quinquennial survey
ON
CONSUMER EXPENDITURE**

National Sample Survey Organisation

Department of Statistics

Government of India

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PREFACE

The National Sample Survey Organisation (NSSO) has been carrying out all-India surveys on Consumer Expenditure since its inception in 1950 in almost all the rounds of NSS, barring a few, till 26th round (1971-'72) sometimes independently and sometimes integrating it with enquiries on other subjects in both urban and rural areas. At the instance of the Governing Council of NSSO, the survey on consumer expenditure was being conducted quinquennially since 1972-73 (27th NSS round). In order to have an idea about the short-term changes in consumer expenditure patterns, the NSSO began collecting data in its annual rounds also from the 42nd round (1986-87) onwards.

2. The fifth quinquennial survey on consumer expenditure was undertaken in the 50th round (July 1993-June 1994). A summary report giving household consumer expenditure patterns for all-India & for major states was brought out in March 1996. A second report giving detailed tables for each state & UT of the Indian Union on monthly per capita expenditure class by commodity groups, etc., have been brought out in May 1996. The third report in the series which deals with some aspects of nutritional intake by the Indian population, has been brought out in October 1996.

3. The present report deals with particulars of energy used by the Indian households. The report contains detailed tables on the different aspects of the primary source of energy used for cooking and lighting by the Indian households for each state and UT. According to NSS practice, all information has been classified by average monthly per capita expenditure (MPCE) classes, a format which has in the past proved extremely helpful to the users and researchers in various areas. Observed trends by some important indicators of various energy used by the households over the decade (1983 to 1993-94) have also been presented.

4. Chapter one of the report is introductory, while chapter two contains a note on the Sample Design and Estimation Procedure followed in the survey. Chapter three briefly elaborates the important concepts and definitions and the survey findings are examined in Chapter Four. Detailed statistical tables are also appended to the report.

5. The schedule of enquiry for the survey was, more or less, similar to that adopted in previous quinquennial rounds. The field work for the survey was conducted, as usual, by the Field Operations Division (FOD) of the Organisation. The collected data were processed by the Data Processing Division (DPD) of the NSSO and tabulated by the Computer Centre of the Department of Statistics. The report has been prepared by the Survey Design & Research Division (SDRD) of the NSSO. I am grateful to the members of the Governing Council, Heads of various Divisions of the NSSO, the Executive Director, Computer Centre and their colleagues for the efforts taken in preparing the Report.

Comments/suggestions from the readers of the report will be most welcome.

March, 1997
New Delhi

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Highlights

⇒ There has been an increase in the proportion of hhs using electricity as major source of lighting by 13% (from 24% to 37%) in rural & by 9% (from 72% to 83%) in urban India since 1987-88.

⇒ There has been a decrease in the percentage of households from 74% to 62% in rural & 27% to 16% in urban, since 1987-88, using Kerosene as primary source of energy for lighting. Still Kerosene remains the most important source of energy for lighting in the rural sector.

⇒ Firewood & chips continue to remain as the most important source of energy for cooking in the rural sector, 78.2% of the rural households depend upon it. Only one percent of households has switched over from this source since 1987-88.

⇒ Firewood/chips and Gas (coal, oil or LPG) are the twin important source of energy for cooking in the urban sector and about 30% of the households are using each of this sources. There has been an increase in the use of gas by 7.3% of the households and a decrease of 7% in the households using firewood/chips since 1987-88.

⇒ Among the urban households 23.2% use kerosene as the primary source of energy for cooking, an increase of 4% since 1987-88.

⇒ Average Indian households having “no cooking arrangement” is nine times in urban sector(6.3%) than in rural sector(0.7%).

Chapter One

Introduction

1.0 Background : The 50th round of NSS was the fifth quinquennial survey on consumer expenditure. The previous four quinquennial surveys were the 27th (Oct. 1972 - Sept. 1973), the 32nd (July 1977 - June 1978), the 38th (Jan-Dec. 1983), and the 43rd (July 1987- June 1988) Rounds of NSS. In other rounds, too, consumer expenditure inquiry on a lesser scale is being carried out starting from the 42nd round (1986-87) onwards side by side the main topic of enquiry. From the 45th round onwards the subject coverage of this schedule has been broadened to include some important aspects of questions on employment so that an annual series of consumer expenditure and employment data becomes available. While some of these smaller-scale surveys are conducted over a period of 12 months or six months, the quinquennial (full-scale) surveys have all been of complete year's duration.

1.1 In the quinquennial surveys two separate schedules are canvassed - sch.1.0 for consumer expenditure and sch.10 for employment situation - in each sample household, enabling thereby cross-tabulation of variates on consumer expenditure and employment. The present report, however, is based on schedule 1.0 only, enlightening primarily on different aspects of sources of energy used for cooking & lighting by the Indian households

as apparent from the data collected through this schedule.

1.2 The survey period of the 50th round was from July 1993 to June 1994. The geographical coverage of the survey was to be the whole of the Indian Union except Ladakh and Kargil districts of Jammu & Kashmir, 768 interior villages of Nagaland and 172 villages in Andaman & Nicobar Islands which remain inaccessible throughout the year. However, certain districts of Jammu & Kashmir viz., Doda, Anantnag, Pulwama, Srinagar, Badgam, Baramullah and Kupwara, and Punjab's Amritsar district, had to be excluded from the survey coverage due to unfavourable field conditions.

1.3 In all, 115354 households were interviewed, spread over 6951 sample villages and 4650 sample blocks. Ten households were selected for survey in each selected village / urban block.

1.4 The survey period of one year was divided into four sub- rounds of three months each with allocation of equal numbers of sample villages and blocks to each of the four sub-rounds viz.,

sub-round 1 : July-Sept'93;

sub-round 2 : Oct.-Dec'93;

sub-round 3 : Jan.-Mar'94;

sub-round 4 : Apr.-June'94

1.5 The results thrown up by the survey are presented in the report from which an idea

regarding the primary source of energy used for cooking & lighting by the Indian households belonging to different monthly per capita expenditure classes can be made up. The primary source of energy used by a sample household has been identified as the one, major quantities of which are consumed by the household from amongst those available for the relevant purpose.

1.6 With a view to study the nature and extent of change in the distribution of households by monthly per capita expenditure class imposing the effect of adjustment of rent imputed for owned houses by urban households distributed over various rent classes, ancillary facts of information was sought in the ROUND besides those usually required for measuring

total consumer expenditure inclusive of monthly rent paid by the household.

1.7 Basing on the combined sample (both of sub-sample 1 & 2) data, this report summarises the detailed results of the survey on the aforesaid matter. The Sampling Design and Estimation Procedure followed in this survey round is figuring in the following chapter. Chapter three briefly elaborates on the important concepts and definitions adopted in the survey and used in this report and the survey findings are examined in chapter four. The collection of detailed data tables are appended to the report.

Chapter Two

Sample Design & Estimation procedure

2.0 Sample Design : A stratified two-stage sampling design was adopted, with census villages as first stage units (fsu's) in the rural sector and Urban Frame Survey (UFS) blocks in the urban, except for a few newly declared towns of the 1991 census, for which UFS frames were not available, and census enumeration blocks (EB's) were used as first stage units. Households formed the second stage units in both rural and urban sectors.

2.1 Sampling frame for fsu's : In the rural sector, the sampling frame was provided sometimes by the 1981 census list of villages and sometimes by the 1991 census list of villages, depending on the sub-round (see para 1.4) and the state/union territory being surveyed, as follows.

2.1.1 In the following areas of rural India (hereafter referred to as **Group A areas**), the **1981** census lists of villages served as the sampling frame for **all 4 sub-rounds** :

Jammu & Kashmir - where the 1991 census was not conducted.

Agra district of U.P. and Durg, Sagar and Morena districts of M.P. - for which the available information for 1991 was incomplete.

2.1.2 In the following areas of rural India (hereafter referred to as **Group B areas**), the **1991** census lists of villages served as the sampling frame for **all 4 sub-rounds** :
Andhra Pradesh, Assam, Kerala, Orissa, West Bengal & Chandigarh.

U.P. and M.P. (excepting Group A areas).

2.1.3 In the remaining states/u.t.'s of rural India (hereafter referred to as **Group C areas**), the **1981** census lists of villages were used as sampling frame for **sub-round 1** and the **1991** census lists used for **sub-rounds 2 to 4** in order to make use of the latest available information in the sample selection process.

2.1.4 For Nagaland, the villages situated within 5 km of a bus route constituted the sampling frame. For the Andaman & Nicobar Islands, the villages which remain inaccessible throughout the year were, as usual, excluded from the sampling frame.

2.1.5 In the urban sector, the lists of NSS Urban Frame Survey (UFS) blocks were the sampling frames used in most cases. However, 1991 census house listing enumeration blocks were considered as the sampling units for some of the newly declared towns of the 1991 population census, for which UFS frames were not available.

2.2 Stratification : As usual, each state/union territory (u.t.) was divided into one or more agro-economic regions by grouping contiguous districts which are similar with respect to population density and crop pattern. In Gujarat, however, some districts were sub-divided for the purpose of region formation on the basis of location of dry areas and the distribution of tribal population in the state. The total number of regions formed in the whole of India was 78.

2.2.1 In the rural sector, within each region, each district normally formed a separate stratum. However, if the census population of the district according to the sampling frame used exceeded 1.8 million / 2 million (depending on whether 1981 or 1991 census frame was used), the district was split into two or more strata by grouping contiguous tehsils. In Gujarat, however, in the case of districts extending over more than one region, the portion of a district falling in each region constituted a separate stratum even if the rural population of the district as a whole was less than 1.8 million / 2 million.

2.2.2 In the urban sector, strata were formed, again within NSS regions, on the basis of town population. In order to be able to allocate a larger proportion of the sample to the affluent section of society and thus improve the precision of the overall estimate of consumer expenditure, the usual first-stage stratification procedure was modified as follows. Urban blocks in towns with census population 400,000 or more were placed in different strata depending on whether they belonged to the "affluent" area of the town or not - the information on affluent areas being supplied by the regional/sub-regional field offices of NSSO. Full details of urban stratification are given below.

stratum	composition
1	towns with population less than 50,000
2	towns with population 50,000 - 199,999
3	towns with population 200,000 - 399,999
4	towns with population 400,000 - 999,999 : affluent areas
5	towns with population 400,000 - 999,999 : other areas
6	a single city (if any) with population 1 million or more : affluent areas
7	a single city (if any) with population 1 million or more : other areas
8	another city (if any) with population 1 million or more : affluent areas
9	another city (if any) with population 1 million or more : other areas

2.3 Allocation of sample : The first-stage sample size for any state/union territory of India was allotted to the rural and urban sectors in consideration of the relative sizes of the rural and urban population with double weightage to the urban sector.

2.3.1 Within the **urban** sector of a state/u.t., allocation of the sample to the different urban strata was done in proportion to

stratum population with double weightage to affluent strata - that is, strata 4,6 & 8 (see para 2.2). Stratum level allocations were adjusted to multiples of 8 as far as possible so as to have equal allocations for each sub-sample-sub-round combination.

2.3.2 Within the **rural** sector of a state/u.t., allocation of the sample to the different rural strata was done as follows.

2.3.3 For Group B areas (see para 2.1), the state/u.t. level rural sample was allocated to the different rural strata in proportion to 1991 census population. For other areas (Group A and Group C), allocation was initially made on the basis of 1981 census population. Stratum level allocations were adjusted to multiples of 8 as far as possible so as to have equal allocations for each sub-sample-sub-round combination.

2.3.4 However, for Group C areas, the original allocations for sub- rounds 2 to 4 were revised as follows. The total state/u.t. level allocation for sub-rounds 2 to 4 combined - 75% of the total as 25% had gone to sub-round 1 - was re-allocated to the rural strata in proportion to stratum population as per **1991** census. Stratum level allocations were adjusted to multiples of 6 as far as possible so as to have equal allocations for the remaining sub-sample-sub-round combinations.

2.4 Selection of fsu's : Sample villages - except in Arunachal Pradesh - were selected by PPS circular systematic sampling (with population as the size variable) from the appropriate sampling frame as explained in para 2.1, in the form of two independent sub-samples. Sample blocks were selected by ordinary (equal probability) circular systematic sampling, also in the form of two independent sub-samples.

2.4.1 In Arunachal Pradesh the sample of villages was drawn by a cluster sampling procedure. The field staff were supplied with a list of sample "nucleus" villages and were advised to select clusters of villages - building up each cluster around a nucleus village - according to prescribed guidelines.

The nucleus villages were selected circular systematically with equal probability, in the form of two independent sub-samples.

2.5 Selection of hamlet-groups/ sub-blocks : To reduce workload the following procedure was adopted in drawing up the second- stage sampling frame. Larger sample villages and blocks were divided - according to usual NSS practice - into a suitable number of "hamlet-groups"/"sub-blocks" of roughly equal population content : the second-stage sampling frame was constituted of the households belonging to only two of these hamlet-groups, selected circular systematically, in case of sample villages, and one randomly selected sub-block in case of sample blocks (instead of the whole village/block). No hamlet- group formation was, however, done in Arunachal Pradesh. In Kerala, practical difficulties arose in hamlet-group formation during sub-round 1. These were resolved by selecting, instead of two hamlet-groups, two EB's from the constituent EB's of large villages.

2.6 Selection of households : The affluent classes of society have expenditure levels spread over a very wide section of the consumer expenditure range. As a result, the contribution of these classes to the sampling error of a consumer expenditure survey is large compared to that of an equal-sized chunk of population belonging to the more homogeneous "middle classes" (say). To improve the efficiency of consumer expenditure estimates, it was decided that the second-stage sampling frames ought to be stratified in such a way as to be able to allocate a larger proportion

of the sample to the affluent sections of the population wherever they could be located.

2.6.1 Rural : In sample villages, households in the second-stage sampling frame were divided into two strata as follows. Households - if any - exhibiting signs of affluence such as the possession of any of a specified list of assets including land in excess of a certain specified area, or a member holding a good salaried job or belonging to a paying profession such as that of a doctor or advocate, were designated "affluent households" and the top 10 such households (subject to availability) placed in stratum 1. The remaining households formed second-stage stratum 2. **Two** households were selected circular systematically from second-stage stratum 1. From second-stage stratum 2, **eight** households were selected circular systematically after arranging the households in the stratum by "means of livelihood" ; this meant that households "self-employed in agriculture" were placed first, followed by "rural labour" households, and then the "others". Further, the households under "others" were arranged in five different land-possessed classes to ensure spread of the sample over households of different economic statuses.

2.6.2 Urban : In sample blocks, households with monthly per capita consumer expenditure (as reported at the time of household listing) Rs. 1200 or more (Rs. 1500 or more in towns with population one million and above) were placed in second-stage stratum 1 and the rest in second-stage stratum 2. In sample blocks belonging to first-stage strata 4,6 & 8 (affluent areas of towns with population 4 lakhs or more), as many as **four** sample households were selected for survey from second-stage stratum 1 and **six** from second-stage stratum 2. In all strata other than those numbered 4,6 & 8, **two** sample

households were selected from second-stage stratum 1 and **eight** from second-stage stratum 2. In each case the sample of households, for each second-stage stratum, was drawn circular systematically with a random start. The households in second-stage stratum 2 were, prior to sample selection, placed in eight different groups and the different groups of households placed one after another in a specified order to ensure spread of the sample over the different groups. The grouping was done on considerations of means of livelihood (self-employed / regular wage or salary earning / casual labour / others) and household monthly per capita consumer expenditure.

2.7 Sample size : This report covered, in all, 115354 households spread over 11601 sample villages/blocks. The number of sample villages and blocks allotted and surveyed, and the number of sample households and persons surveyed, are given for different state/u.t.'s and all-India in Statement 0, separately for rural and urban sectors.

2.8 Estimation Procedure

2.8.1 Estimation of aggregates at sub-sample level : Aggregates are first estimated at sub-sample level according to the following estimation formulae, where \bar{y} denotes the estimate - based on one sub-sample - of the aggregate of a given characteristic Y for a sector of a state/u.t.

For the **rural sector** of a state/u.t. **other than Arunachal Pradesh**,

$$\bar{y} = \sum_s \frac{1}{n_s} \sum_i \frac{P_{si} D_{si}^*}{p_{si}} \sum_{t=1}^2 \frac{H_{sit}}{h_{sit}} \sum_{j=1}^{h_{sit}} y_{sitj}$$

For the **rural sector** of **Arunachal Pradesh**,

$$\bar{y} = \sum_s \frac{1}{n_s} \sum_{i=1}^{n_s} N_{si} \sum_{t=1}^2 \frac{H_{sit}}{h_{sit}} \sum_{j=1}^{h_{sit}} y_{sitj}$$

For the **urban sector** of a state/u.t.,

$$\bar{y} = \sum_s \frac{N_s}{n_s} \sum_{i=1}^{n_s} D_{si} \sum_{t=1}^2 \frac{H_{sit}}{h_{sit}} \sum_{j=1}^{h_{sit}} y_{sitj}$$

where

- y : observed value of the same characteristic in a sample household
- s : stratum suffix
- i : sample village/block suffix
- t : second-stage stratum suffix
- j : sample household suffix
- D : number of hamlet-groups/sub-blocks formed in the surveyed village/block
- H : number of households listed in the second-stage sampling frame
- h : number of sample households surveyed
- p : population of sample village as in the sampling frame
- N : for the urban sector, number of blocks in the sampling frame
- n : number of sample villages/blocks surveyed in this sub-sample
- Psi : population of the s-th stratum as per frame used in the selection of i-th sample village of the stratum
- Nsi : for Arunachal Pradesh, number of sample villages in the sampling frame for s-th stratum which was used in selection of i-th sample village of the stratum
- D* : equals 1, if D = 1
equals D/2 if D > 1

The combined sample estimate of an aggregate is obtained as the simple average of the corresponding sub-sample estimates.

2.8.3 Estimates of ratios : The estimate of a ratio of the form $R = Y/X$, where Y and X are the population aggregates of two characters, is obtained as

$$\bar{R} = \frac{\bar{Y}}{\bar{X}}$$

where \bar{Y} and \bar{X} are estimates of Y and X obtained according to the procedure laid down in paras 2.8.1 and 2.8.2. Examples of ratio estimates are rates and percentages.

2.8.2 Estimation of aggregates for the combined sample (pooling sub-samples) :

STATEMENT 0: NUMBER OF VILLAGES/BLOCKS ALLOTTED AND SURVEYED AND NUMBER OF
SAMPLE HOUSEHOLDS AND PERSONS SURVEYED

state/u. t.	no. of villages		no. of blocks		no. of surveyed			
	allot- ted	sur- veyed	allot- ted	sur- veyed	households		persons	
					rural	urban	rural	urban
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Andhra Pr.	496	492	368	365	4908	3644	21408	15912
Arunachal Pr.	120*	120	24	24	1065	239	5135	838
Assam	344	320	88	88	3199	880	16714	3789
Bihar	704	699	216	216	6979	2155	36567	10599
Goa	16	15	24	22	146	213	644	847
Gujarat	224	223	240	238	2219	2372	11846	10953
Haryana	104	104	72	70	1040	697	6119	3123
Himachal Pr.	192	189	40	40	1875	400	9811	1472
J & K	264	82	168	53	820	528	4624	2549
Karnataka	264	263	248	247	2617	2469	14172	11497
Kerala	256	256	184	183	2555	1830	11832	8181
M.P.	544	533	328	325	5313	3233	28789	15904
Maharashtra	448	445	560	557	4440	5528	22076	24244
Manipur	104	100	72	70	1000	699	5465	3699
Meghalaya	112	112	48	48	1117	478	5076	1890
Mizoram	48	47	96	96	470	957	2350	4365
Nagaland	48	46	24	24	460	240	2532	1172
Orissa	336	335	104	104	3338	1037	16670	4533
Punjab	224	205	200	196	2046	1947	11144	8765
Rajasthan	312	312	184	184	3097	1799	16851	8447
Sikkim	48	48	16	16	480	160	2064	571
Tamil Nadu	392	391	408	407	3901	4042	16242	16373
Tripura	176	153	56	56	1530	560	6972	2321
U.P.	904	902	448	448	9010	4451	52161	23111
West Bengal	448	448	336	335	4480	3338	23473	13517
A. & N. Is.	56	50	40	40	500	399	2656	1505
Chandigarh	8	8	16	15	80	150	337	537
D. & N. Haveli	24	24	8	8	240	78	1201	334
Daman & Diu	8	8	8	8	80	80	398	347
Delhi	8	7	112	111	61	985	244	4046
Lakshadweep	8	7	24	24	70	240	391	1342
Pondicherry	8	7	32	32	70	320	325	1465
all-India	7248	6951	4792	4650	69206	46148	356289	208248

* 26 nucleus villages.

Chapter Three

Concepts and Definitions

3.0 The concepts & definitions as followed in the household consumer expenditure survey during 50th round are broadly in lines of recent past rounds. A few of those relevant to this report are given below :

3.1 **Household** : A group of persons normally living together and taking food from a common kitchen constitutes a household. The qualification "normally" extends to cover only temporary stay aways but not temporary visitors, in the group. Thus a member residing outside, in a hostel, for studies is counted outside the household of the remaining family member(s), but a resident employee or resident domestic servant or paying guest (but not just a tenant in the house) is included in the employer/host's household. Among the twin criterion "Living together" is usually stressed upon rather than "sharing food from a common kitchen" in drawing the boundaries of a household in case both of them cannot be accommodated together due to mutual conflict; however, in the special case of a person taking food from the common family kitchen while regularly spending nights somewhere else (say in a shop or in a different house for sleeping) due to reasons of security of the shop or other insufficiencies in the family household premises, the household formed by such a person's family members is taken to include the person also. Each inmate of a mess, hotel, boarding and lodging house, hostel, etc. is considered as a single-member household except that a family living in a

hotel (say) is considered as one household only; similar condition being applicable to residential staff of such establishments.

3.2 **Household size** : The size of a household is a complete count of the household members.

3.3 **Household consumer expenditure** : The expenditure incurred by a household on domestic consumption during the reference period is the household's consumer expenditure. The household consumer expenditure is the sum total of the monetary values of consumption of various groups of items namely (i) food, pan (betel leaves), tobacco, intoxicants and fuel & light, (ii) clothing and footwear and (iii) miscellaneous goods and services and durable articles.

3.3.1 For groups (i) and (ii), the total value of consumption is derived by aggregating the monetary value of goods actually consumed during the reference period. An item of clothing and footwear would be considered to have been consumed if it is brought into maiden or first use during the reference period. The consumption may be out of (a) purchases made during the reference period or earlier; (b) home grown stock; (c) receipt in exchange of goods and services; (d) any other receipt like gift, charity, borrowing and (e) free collection. Home produce is evaluated at the ex-farm or ex-factory rate. For evaluating the

consumption of the items of group (iii) i.e. items categorised as miscellaneous goods and services and durable articles, a different approach is followed. In this case, total amount of money spent during the reference period for the purchase of goods and services is treated as consumption expenditure.

3.3.2 It is pertinent to mention here that the consumer expenditure of a household on food items relates to the actual consumption by the normal resident members of the household and also by the occasional guests & visitors whether during celebrations or otherwise. Transfer payments like charity, loan advance, etc. made by the household are not reconsidered to avoid duplicacy while counting them in payer household as consumption for items of groups (i) and (ii), since transfer receipts of these items have been taken into account there. However, the item "cooked meals" is an exception to the rule. Meals prepared in the household kitchen and provided to the employees and/or others would automatically get included in domestic consumption of employer (payer) household. There is a practical difficulty of estimating the quantities and values of individual items used for preparing the meals served to employees or to others. Thus, to avoid double counting, cooked meals received as perquisites from employer household or as gift or charity are not recorded in the recipient household. As a general principle, cooked meals purchased from the market for consumption of the normal resident members and for guests and employees will also be recorded in the purchaser household.

3.3.3 The aforementioned procedure by which value of cooked meals served to others is accounted for in the expenditure of the serving households only leads to bias-free estimates of average per capita consumption as well as total consumer expenditure. The variation of the number of

donors and recipients of free cooked meals are likely to be in opposite directions over the expenditure classes. As a matter of fact most of the donors of cooked meals will be in the upper MPCE classes whereas most of the recipients will be in the lower ones. The nutritional intake derived from the consumer expenditure survey data need to be presented taking care of this aspect.

3.4 **Reference period** : Consumption data appearing in this report were all collected with a reference period of "last 30 days", i.e. the 30 days just preceding the date of survey. The reference period used for the survey, in other words, was a "moving" one, varying from one household to another depending upon the day of canvass.

3.5 **Monthly per capita expenditure (MPCE)** : For a household, this is the total household consumer expenditure during a period of 30 days subdivided by household size. A person's MPCE is understood to be, the figure derived on the household to which he/she belongs.

3.6 **MPCE classes** : It is customary in NSS consumer expenditure reports, to present various estimates, including and state and all-India level values of different indicators, socio-economic or else like nutrition related and distributions of households and persons over different socio-economic classes and calorie intake level formed basing on categorisation of the population as per monthly expenditure per capita i.e. MPCE. As regards population during the 50th round, 12 categories were drawn up in each sector - rural and urban - as follows. For the rural (urban) sector, the class limits of MPCE were so chosen that each class, excepting for the two pair of classes one each at the ends, approximately contained an estimated 10%

of the rural (urban) population, while the remaining four classes each contained an estimated 5% of the population. Some adjustments were, however, made to keep some class limits common between the rural and urban sectors. Tabulation of results by MPCE class from the 43rd to the 49th round of NSS, incidentally, was done using MPCE classes derived in a similar way, using 43rd round MPCE data. In other words, the present updation of classification on MPCE is second to the one made during the 43rd round.

3.6.1 The classification evolved now for the two sectors of population is as follows :

MPCE Level	Rural (Rs.)	Urban (Rs.)
1.	below 120	below 160
2.	120 - 140	160 - 190
3.	140 - 165	190 - 230
4.	165 - 190	230 - 265
5.	190 - 210	265 - 310
6.	210 - 235	310 - 355
7.	235 - 265	355 - 410
8.	265 - 300	410 - 490
9.	300 - 355	490 - 605
10.	355 - 455	605 - 825
11.	455 - 560	825 - 1055
12.	560 & above	1055 & above

3.7 Primary Source of Energy used for Cooking and Lighting : The primary source of energy that is being used for the purposes of household cooking and lighting have been ascertained in this round of survey. If more than one type of energy is utilised by the household for the purpose, the primary or principal one on the basis of the volume of its use have been identified and recorded.

3.7.1 The **sources of energy** used by the households are mainly seven for cooking & five for lighting which are enumerated below:

cooking

- (1) coke/coal,
- (2) firewood and chips,
- (3) gas (coal, oil or L.P.G.),
- (4) gobar gas,
- (5) dung cake,
- (6) charcoal,
- (7) kerosene,

lighting

- (1) kerosene,
- (2) other oil,
- (3) gas,
- (4) candle,
- (5) electricity,

Households not using any of these sources have been clubbed under "other sources" while those reporting no arrangements for cooking and/or lighting have been enumerated under the head "no lighting/cooking arrangement" in this adopted system.

Chapter Four

Energy used for cooking and lighting

4.0 In this chapter some general findings relating to primary source of energy used for cooking and lighting based on data collected in the NSS 50th round (July 1993 - June 1994) survey are presented along with a comparative picture of the earlier periods i.e. last two quinquennial rounds on household consumer expenditure.

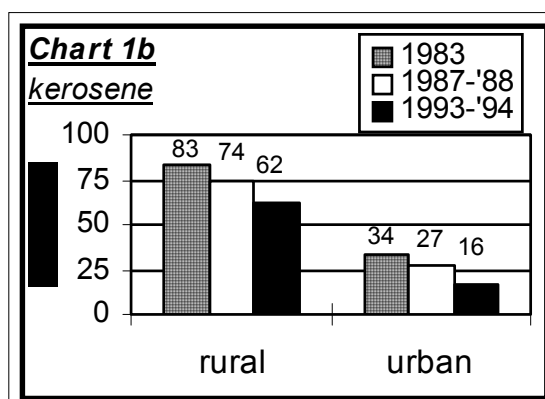
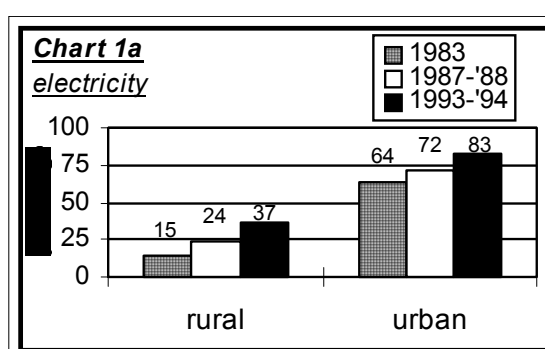
4.0.1 The three consecutive surveys (38th, 43rd & 50th) conducted during the decade 1983-93 have set up a specific trend in the pattern of use of various energy sources by Indian households for lighting & cooking on which an impression may be formed from the following discussion at the beginning. Detailed results on sources of energy for lighting & cooking available from the 50th Round Survey data is discussed later.

4.1 Trend in Distribution of households using different sources of energy for (i) lighting and (ii) cooking at the National level : NSS Roundwise

4.1.1 **Chart 1 (a & b)** shows distribution of households using major source of energy for lighting by NSS rounds at the national level. The use of electricity for lighting is observed to rise by about 22% in rural as against 19% in urban during the decade (1983 to 1993-94). *See chart 1(a)*

4.1.2 Side by side the number of households in both the sectors using kerosene for lighting is seen to be on the decline perhaps due to switching over to the

source of electricity as the facility becomes available to more and more households during the decade. *See chart 1(b)*

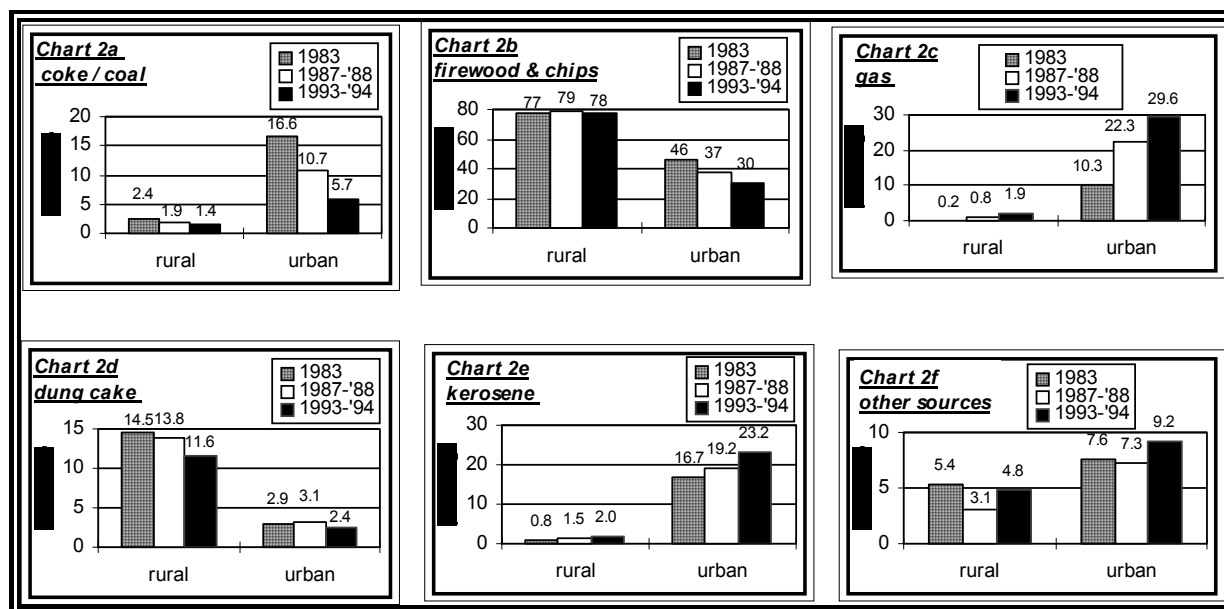


4.1.3 **Chart 2(a,b,c,d,e,f)** shows percentage distribution of households using different source of energy for cooking by NSS rounds at national level. It is observed that in the rural sector dependence of households on "dung cake", "coke & coal" & "others" has been observed to be on the fall by different extents over successive NSS rounds, whereas the use of kerosene

and gas by the rural households is on the rise. More or less constant percentage (77-79) of rural households is dependent upon "firewood & chips" as noticed from the

Detailed results from NSS 50th round data

4.2 Distribution of households by



results of the three consecutive surveys.

4.1.4 In the urban sector, dependence of households on "coke/coal" and "firewood & chips" has decreased to different extents. More and more households are observed to switch over to energy sources like gas (incl. LPG) and kerosene for cooking. However a constant and minor percentage of households (2-3) is still observed to use "dung cake" in urban sector through-out the period (1983 to 1993-94).

4.1.5 In both the sectors dependence of household on 'other' sources has been observed to fluctuate by more or less the same i.e., 2% depending upon the number of households primarily not using the specific and enumerated energy sources for cooking.

Primary source of energy for cooking (i) at the National level for each monthly per capita expenditure class (ii) at the state level.

4.2.1 **Statements 1 and 2(R/U)** present the per thousand distribution of households according to the primary source of energy used by the households for cooking (i) at the National level for each MPCE class (ii) at the state level; in both the sectors of rural and urban.

4.2.2 **Statement 1** shows that " firewood & chips " is the most important & prevalent primary source of energy for cooking used by households in rural India with around 78% of the rural households dependent upon it perhaps due to its easy and cheap availability in large measure in rural sector. firewood & chips and gas (including LPG)

are the two equally preferred energy sources used by same proportion (around 30%) of urban households for cooking. Whereas the next important source is kerosene in urban sector with 23% of the households using, it is "dung cake" in rural sector with 12% of the households using for cooking.

4.2.3 It is worth noting that only around 2% of the rural households can afford using kerosene as primary source of energy for cooking and similar is the situation with gas.

4.2.4 Coke & coal are used by 1.4% of the households in the rural India as compared to 5.7% of the households in the urban India.

4.2.5 A point to mark in the data is that with increase in the MPCE level, increasing percentages of households tend to use gas & decreasing percentages of households continue using "firewood & chips" as the primary source of energy in both the sectors at the National level. Another remarkable feature of the data is that almost around a constant percentage (10-12) of households in all MPCE levels in the rural sector uses dung-cake as the primary source of energy for cooking, obviously due to domestic cattle being maintained by those households.

4.2.6 It is observed that percentage of households using 'other' unenumerated sources of energy for cooking range from around 2 to 9 percent in the rural sector as against 1 to 4 percent in the urban sector amongst the various MPCE classes.

4.2.7 Only 0.7% of the households have no cooking arrangement in rural India whereas nine times of that i.e. 6.3% have no cooking arrangement in urban India possibly due to the reason of more number of hotels, restaurants and eating houses available which facilitate eating outside for the urban population. It is noticed that the percentage of households with "no cooking arrangement" is comparatively more in the highest and lowest MPCE classes and less in

the middle MPCE classes in both the sectors for economic reasons.

4.2.8 **Statement 2(R/U)** shows per 1000 distribution of households by primary source of energy for cooking for each of the major states.

4.2.9 It may be seen from **statement 2U** that, in the states of Bihar and West Bengal maximum percentage of households in the urban sector (39% & 30% respectively) use coke & coal for cooking, as extraction of coal is higher in these two states and more conveniently available in urban areas. Percentage of urban households using gas is very high in Punjab (41%), Gujarat (40%), Maharashtra (39%) and Haryana (39%) and very low in Kerala (17%), Bihar (17%), Orissa (18%), West Bengal (19%) and Tamil Nadu (19%) as compared with National level figure (30%). In the states of Maharashtra (38%) and Punjab (36%) larger percentages of households are dependent upon kerosene for cooking while in Kerala (5%) and Bihar (9%) smaller percentages of households as compared with the National level percentage (23%) are dependent upon this source in urban sector.

4.2.10 90% or more of the households in rural Rajasthan, Tamil Nadu, Madhya Pradesh, Kerala, Karnataka, Assam & Andhra Pradesh resort to the source "firewood & chip" for cooking as against 78% in rural India as is evident from **statement 2R**. Dung cake is used in comparatively more rural households of Punjab (34%), Uttar Pradesh (33%), Bihar (26%) and Haryana (25%) perhaps due to higher concentration of the cattle population in those states.

4.2.11 The situation of "no cooking arrangement" is more prevalent in urban households in general than rural households and particularly prominent in the urban areas of Tamil Nadu (12%), West Bengal (11%) and Orissa (10%).

4.3 Distribution of households by primary source of energy for lighting (i) at the National level for each monthly per capita expenditure class (ii) at the state level.

4.3.1 From **statement 3** it is observed that maximum percentage i.e. 62.1% of the rural households use kerosene as the primary source of energy for lighting. But kerosene is the second important primary source in the urban sector with 16.5% of the household using it and so is electricity for the rural sector wherein only 37.1% of the household enjoy the facility of electrification for lighting their houses, as against 82.8% of the households in the urban sector.

4.3.2 Kerosene & electricity are the twin prime source of energy for lighting in either of the sectors of India and more than 99% of the households are dependent upon them altogether

4.3.3 Whereas percentage of households using Kerosene as a primary source of energy for lighting is observed to fall, the percentage of households using electricity rises, with increase in the MPCE level, a phenomenon common to both the sectors.

4.3.4 It is also very rare to find "gas" being used as a primary source of lighting in the country.

4.3.5 A feature apparent in the data is that at least 45% of the urban households as compared against 15% of the rural households in each MPCE level use electricity for lighting purposes. A minimum of 90% or more of the households in the urban sector as against 40% or more in the rural sector in each of the uppermost

five MPCE classes could avail the facility of electricity for lighting. More than 28% in each MPCE class of rural sector and in each of the lower four MPCE classes of urban sector depend upon kerosene for lighting.

4.3.6 Per 1000 distribution of households by primary source of energy for lighting for each of the 15 major states is given in **statements 4R & 4U** for rural and urban sectors respectively.

4.3.7 In both the sectors, percentage of households using electricity as primary source of energy for lighting is minimum in Bihar(rural 6.4%, urban 65.3%) and maximum in Punjab (rural 87.3%, urban 95.9%), a contrast between the states, as may be seen from **statement 4 (R/U)**.

4.3.8 It is evident from the **statement 4U/4R** that electricity is the major source of energy for lighting in all the states of urban sector whereas in the rural sector, electricity is major in the states of Gujarat, Haryana, Karnataka, Kerala, Maharashtra, Punjab & Tamil Nadu and in the rest of the states Kerosene plays a dominant role. But in rural Andhra Pradesh an almost equal percentage(around 50) of households uses both the sources of energy viz., electricity and kerosene for lighting.

4.3.9 Kerosene as a primary source of energy for lighting is resorted to by maximum percentage of households of Bihar in either sector {92.8% in rural & 34.3% in urban} among the major states.

4.3.10 In both the sectors of all the states, at least 98% of households are dependent on either kerosene or electricity with remaining (less than 2%) lot going for sources like candle, gas etc. for lighting.

Statement - 1 : Per 1000 Distribution of Households by Primary Source of Energy for Cooking for each Monthly per Capita Expenditure Class

Rural : India

monthly per capita expenditure class (Rs.)	primary source of energy for cooking											estd. hhs. (00)	sample hhs.
	no cooking arrangement	coke & coal	fire-wood & chips	gas (coal, oil or LPG)	gobar gas	dung-cake	char-coal	kero-sene	others	not reported	all		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
less than 120	14	7	791	1	1	101	0	0	86	0	1000	49148	2286
120 - 140	4	7	809	2	0	123	0	0	55	0	1000	54314	2569
140 - 165	3	9	810	1	0	122	0	2	52	1	1000	96888	4632
165 - 190	3	11	821	1	1	112	0	6	46	0	1000	120021	5869
190 - 210	6	9	811	4	1	119	0	5	44	0	1000	98049	5010
210 - 235	4	10	818	3	1	117	0	9	39	1	1000	116915	6249
235 - 265	4	14	814	5	2	117	0	9	35	0	1000	126654	7109
265 - 300	2	16	802	11	3	117	0	13	35	0	1000	119776	6917
300 - 355	6	17	799	13	4	108	0	22	30	0	1000	135595	8428
355 - 455	11	17	750	29	7	122	1	37	25	0	1000	130456	8907
455 - 560	8	20	716	60	10	113	0	48	22	1	1000	66603	4736
560 & above	28	20	582	124	12	110	1	101	22	0	1000	80251	6494
all classes	7	14	782	19	3	115	0	20	38	0	1000	1194669	69206
estd. hhs.(00)	8335	16186	934591	22665	4048	137840	433	24386	45849	335	1194669	XX	XX
sample hhs.	373	918	54892	1976	385	7056	29	1437	2117	23	69206	XX	XX

Urban : India

monthly per capita expenditure class (Rs.)	primary source of energy for cooking											estd. hhs. (00)	sample hhs.
	no cooking arrangement	coke & coal	fire-wood & chips	gas (coal, oil or LPG)	gobar gas	dung-cake	char-coal	kero-sene	others	not reported	all		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
less than 160	93	56	679	20	1	48	1	73	28	0	1000	16943	1502
160 - 190	31	68	657	22	0	40	0	143	36	1	1000	16427	1529
190 - 230	30	77	618	54	0	33	1	155	32	0	1000	32838	3175
230 - 265	22	83	533	80	0	47	5	198	32	1	1000	32777	3342
265 - 310	20	74	450	147	1	24	4	249	32	0	1000	41400	4331
310 - 355	14	83	360	207	2	30	3	271	29	1	1000	38440	3933
355 - 410	35	70	280	275	0	23	3	287	27	1	1000	42082	4365
410 - 490	49	63	215	328	2	17	3	296	27	0	1000	46760	4968
490 - 605	76	40	147	407	0	20	3	279	26	1	1000	48898	5163
605 - 825	98	39	93	494	2	13	2	241	18	1	1000	55095	5817
825 - 1055	133	22	49	537	0	10	0	230	17	0	1000	28582	2946
1055 & above	164	15	33	605	2	6	0	159	12	4	1000	32360	5077
all classes	63	57	299	296	1	24	2	232	26	1	1000	432603	46148
estd. hhs.(00)	27134	24627	129175	128085	408	10175	1058	100495	11119	328	432603	XX	XX
sample hhs.	2030	2479	14144	15414	43	1005	144	9886	973	30	46148	XX	XX

Statement 2R : Per 1000 Distrubition of Households by Primary Source of Energy for Cooking for each of the Major State**Rural**

State	primary source of energy for cooking											estd. hhs. (00)	sample hhs.
	no cooking arrange- ment	coke & coal	fire- wood & chips	gas (coal, oil or LPG)	gobar gas	dung- cake	char- coal	kero- sene	others	not reported	all		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Andhra Pradesh	6	4	937	23	4	6	2	13	5	1	1000	110281	4908
Assam	0	4	972	11	1	5	0	3	4	1	1000	35512	3199
Bihar	3	41	634	3	0	256	0	2	61	0	1000	123511	6979
Gujarat	5	7	787	49	15	65	1	69	1	1	1000	51559	2219
Haryana	1	1	683	36	1	247	0	18	13	0	1000	22931	1040
Karanataka	10	2	939	17	6	3	0	19	3	1	1000	57725	2617
Kerala	14	6	921	41	3	2	0	13	1	0	1000	38986	2555
Madhya Pradesh	3	14	911	5	2	62	0	3	0	1	1000	95602	5313
Maharashtra	9	3	767	35	13	13	0	51	109	0	1000	95575	4440
Orissa	21	5	889	3	3	39	0	4	37	0	1000	59547	3338
Punjab	6	2	507	51	2	340	0	83	9	0	1000	25486	2046
Rajasthan	2	7	900	20	1	44	1	14	12	0	1000	57798	3097
Tamil Nadu	13	1	913	31	3	1	0	38	0	0	1000	89374	3901
Uttar Pradesh	4	4	627	12	1	329	0	10	13	0	1000	199920	9010
West Bengal	11	65	613	3	1	88	0	9	209	0	1000	99838	4480
India	7	14	782	19	3	115	0	20	38	0	1000	1194669	69206

Statement 2U : Per 1000 Distribution of Households by Primary Source of Energy for Cooking for each of the Major State**Urban**

State/UT	primary source of energy for cooking											estd. hhs. (00)	sample hhs.
	no cooking arrange- ment	coke & coal	fire- wood & chips	gas (coal, oil or LPG)	gobar gas	dung- cake	char- coal	kero- sene	others	not reported	all		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Andhra Pradesh	27	24	441	279	0	1	5	211	12	0	1000	37149	3644
Assam	45	7	441	345	0	4	0	155	3	0	1000	4771	880
Bihar	59	391	218	172	3	49	1	89	17	0	1000	17796	2155
Gujarat	78	22	161	396	0	32	1	310	0	0	1000	27839	2372
Haryana	43	7	238	386	0	95	0	230	0	1	1000	10098	697
Karnataka	58	5	362	260	0	2	1	265	46	0	1000	25469	2469
Kerala	73	2	701	168	0	1	0	52	1	2	1000	13038	1830
Madhya Pradesh	30	59	414	308	1	17	4	156	11	0	1000	30151	3233
Maharashtra	74	5	138	388	1	4	2	376	10	1	1000	61304	5528
Orissa	99	76	423	180	5	12	26	120	58	1	1000	9455	1037
Punjab	11	9	145	409	1	64	0	359	3	0	1000	12056	1947
Rajasthan	24	7	390	284	1	35	11	242	2	3	1000	19077	1799
Tamil Nadu	115	3	429	192	1	3	1	250	5	1	1000	50425	4042
Uttar Pradesh	21	28	391	315	1	82	1	148	13	0	1000	49763	4451
West Bengal	106	299	84	187	0	8	0	140	176	0	1000	37473	3338
India	63	57	299	296	1	24	2	232	26	1	1000	432603	46148

Statement 3 : Per 1000 Distribution of Households by Type of occupancy for each Monthly Per Capita Expenditure class

Rural - India

monthly per capita expenditure class (Rs.)	Type of Occupancy						estd. hhs. (in 00)	sample hhs.
	owned	quarters	other hired accom.	others	no dwelling	all		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
less than 120	945	1	7	47	1	1000	49148	2286
120 - 140	952	6	8	34	-	1000	54314	2569
140 - 165	961	5	8	26	-	1000	96888	4632
165 - 190	951	6	12	31	-	1000	120021	5869
190 - 210	957	6	11	26	-	1000	98049	5010
210 - 235	953	8	19	20	1	1000	116915	6249
235 - 265	952	7	19	21	-	1000	126654	7109
265 - 300	951	7	21	21	-	1000	119776	6917
300 - 355	935	7	32	25	1	1000	135595	8428
355 - 455	922	15	34	29	1	1000	130456	8907
455 - 560	891	21	62	25	-	1000	66603	4736
560 & above	804	36	124	35	1	1000	80251	6494
all classes	934	10	29	27	-	1000	1194669	69206
estd. hhs. (in 00)	1116099	12085	34122	31907	456	1194669	-	-
sample hhs.	65109	824	1687	1560	26	69206	-	-

Urban - India

monthly per capita expenditure class (Rs.)	Type of Occupancy						estd. hhs. (in 00)	sample hhs.
	owned	quarters	other hired accom.	others	no dwelling	all		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
less than 160	730	6	93	170	1	1000	16943	1502
160 - 190	725	7	153	112	3	1000	16427	1529
190 - 230	708	17	182	92	-	1000	32838	3175
230 - 265	678	21	209	92	-	1000	32777	3342
265 - 310	632	36	243	89	-	1000	41400	4331
310 - 355	619	54	265	62	-	1000	38440	3933
355 - 410	582	60	276	82	-	1000	42082	4365
410 - 490	527	80	308	84	1	1000	46760	4968
490 - 605	467	85	358	89	1	1000	48898	5163
605 - 825	441	98	380	81	1	1000	55095	5817
825 - 1055	399	112	398	89	1	1000	28582	2946
1055 & above	393	118	415	72	1	1000	32360	5077
all classes	555	64	292	88	1	1000	432603	46148
estd. hhs. (in 00)	240159	27855	126428	37865	296	432603	-	-
sample hhs.	26873	3227	12933	3074	41	46148	-	-

Statement - 4R : Per 1000 Distrubition of Households by Primary Source of Energy for Lighting for each of the Major State

Rural

State	primary source of energy for lighting								estd. hhs. (00)	sample hhs.
	kero- sene	other oil	gas	candle	elec- tricity	others	not reported	all		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Andhra Pradesh	505	2	0	0	492	0	1	1000	110281	4908
Assam	846	3	0	1	149	1	2	1000	35512	3199
Bihar	928	1	0	0	64	7	0	1000	123511	6979
Gujarat	318	2	0	0	675	3	2	1000	51559	2219
Haryana	235	0	2	6	746	8	3	1000	22931	1040
Karanataka	449	1	0	0	545	2	3	1000	57725	2617
Kerala	434	0	1	0	565	1	0	1000	38986	2555
Madhya Pradesh	541	5	0	0	449	3	1	1000	95602	5313
Maharashtra	411	1	0	0	586	1	1	1000	95575	4440
Orissa	849	1	1	0	146	4	0	1000	59547	3338
Punjab	110	3	1	10	873	4	0	1000	25486	2046
Rajasthan	580	8	0	0	410	1	1	1000	57798	3097
Tamil Nadu	457	0	1	0	540	2	0	1000	89374	3901
Uttar Pradesh	810	8	0	1	177	3	0	1000	199920	9010
West Bengal	882	2	0	1	112	3	0	1000	99838	4480
India	621	3	0	1	371	3	1	1000	1194669	69206

Statement - 4U : Per 1000 Distrubition of Households by Primary Source of Energy for Lighting for each of the Major State

Urban

State/UT	primary source of energy for lighting								estd. hhs. (00)	sample hhs.
	kero- sene	other oil	gas	candle	elec- tricity	others	not reported	all		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Andhra Pradesh	179	0	0	0	819	1	0	1000	37149	3644
Assam	259	2	1	0	737	1	0	1000	4771	880
Bihar	343	1	1	0	653	2	0	1000	17796	2155
Gujarat	95	1	1	0	897	5	0	1000	27839	2372
Haryana	92	3	0	0	898	7	1	1000	10098	697
Karanataka	166	1	0	0	832	0	1	1000	25469	2469
Kerala	211	1	0	0	784	1	2	1000	13038	1830
Madhya Pradesh	119	4	1	0	873	3	0	1000	30151	3233
Maharashtra	90	0	1	0	904	3	2	1000	61304	5528
Orissa	292	0	1	0	696	11	0	1000	9455	1037
Punjab	30	1	0	6	959	4	0	1000	12056	1947
Rajasthan	102	4	1	0	887	3	4	1000	19077	1799
Tamil Nadu	176	1	1	0	817	4	2	1000	50425	4042
Uttar Pradesh	251	3	0	3	741	1	0	1000	49763	4451
West Bengal	279	2	0	1	714	3	1	1000	37473	3338
India	165	1	1	1	828	3	1	1000	432603	46148

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(1R): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

ANDHRA PRADESH (02)												NO. OF SAMPLE VILLAGES : 492		RURAL	
MONTHLY PER		PRIMARY SOURCE OF ENERGY FOR COOKING										ESTIMATED		SAMPLE	
CAPITA EXPEN												HOUSE		HOUSE	
DITURE CLASS		NO	COKE	FIRE- GAS COAL	GOBAR	DUNG	CHAR-	KERO	OTHERS	NOT	ALL	HOLD	HOLD		
		COOKING	COAL	WOOD O, OIL OR	GAS	CAKE	COAL	SENE		REPORTED					
				& NATURAL											
				CHIPS GAS)											
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)		
LESS THA 120	57	0	922	0	0	12	0	0	9		0	1000	3324	133	
120 - 140	0	0	984	0	0	5	0	0	11		0	1000	3837	153	
140 - 165	0	0	984	0	0	4	3	6	3		0	1000	7705	314	
165 - 190	11	2	976	0	2	8	0	0	2		0	1000	11508	487	
190 - 210	4	0	980	0	0	10	0	0	6		0	1000	9604	401	
210 - 235	6	3	969	0	0	11	0	4	3		4	1000	11357	460	
235 - 265	0	4	977	4	0	2	2	7	3		0	1000	12723	552	
265 - 300	0	3	958	12	7	0	3	7	9		2	1000	11950	525	
300 - 355	9	10	935	19	3	7	1	13	3		0	1000	12883	570	
355 - 455	11	5	894	43	15	3	5	23	4		0	1000	10650	526	
455 - 560	3	3	884	58	8	15	4	25	0		0	1000	7363	312	
560 & ABOVE	5	11	718	158	15	3	5	76	9		0	1000	7378	475	
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0	
ALL CLASSES	6	4	937	23	4	6	2	13	5		1	1000	110281	4908	
ESTD. HHS (00)	706	406	103319	2497	487	672	208	1425	496		66	110281	XX	0	
SAMPLE HHS	24	18	4453	219	52	26	9	84	20		3	4908	XX	0	
ARUNACHAL PRADESH(03)												NO. OF SAMPLE VILLAGES : 120		RURAL	
LESS THA 120	0	0	1000	0	0	0	0	0	0		0	1000	32	43	
120 - 140	0	0	1000	0	0	0	0	0	0		0	1000	37	20	
140 - 165	0	0	1000	0	0	0	0	0	0		0	1000	72	45	
165 - 190	0	0	1000	0	0	0	0	0	0		0	1000	84	55	
190 - 210	0	10	990	0	0	0	0	0	0		0	1000	98	72	
210 - 235	0	0	1000	0	0	0	0	0	0		0	1000	143	104	
235 - 265	0	0	962	0	38	0	0	0	0		0	1000	173	147	
265 - 300	0	0	999	1	0	0	0	0	0		0	1000	152	124	
300 - 355	0	3	989	8	0	0	0	0	0		0	1000	143	110	
355 - 455	0	0	986	12	2	0	0	0	0		0	1000	121	106	
455 - 560	0	28	972	0	0	0	0	0	0		0	1000	75	95	
560 & ABOVE	0	24	867	60	0	0	0	49	0		0	1000	195	144	
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0	
ALL CLASSES	0	6	970	11	5	0	0	7	0		0	1000	1325	1065	
ESTD. HHS (00)	0	8	1286	14	7	0	0	10	0		0	1325	XX	0	
SAMPLE HHS	0	7	1038	14	2	0	0	4	0		0	1065	XX	0	

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(1R): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING

FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

ASSAM (04)

NO. OF SAMPLE VILLAGES : 320

RURAL

MONTHLY PER		PRIMARY SOURCE OF ENERGY FOR COOKING										ESTIMATED		SAMPLE
CAPITA EXPEN												HOUSE	HOUSE	
DITURE CLASS	NO	COKE	FIRE- GAS	COAL	GOBAR	DUNG	CHAR-	KERO	OTHERS	NOT	ALL	HOLD	HOLD	
	COOKING	COAL	WOOD	O, OIL OR	GAS	CAKE	COAL	SENE		REPORTED				
			&	NATURAL										
			CHIPS	GAS)										
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
LESS THA 120	0	0	1000	0	0	0	0	0	0		0	1000	297	22
120 - 140	0	0	988	0	0	0	0	0	12		0	1000	678	62
140 - 165	0	0	985	0	0	0	0	0	0		15	1000	1789	160
165 - 190	0	3	967	0	0	16	0	0	14		0	1000	3712	290
190 - 210	0	0	982	0	3	12	0	0	3		0	1000	3521	298
210 - 235	0	0	984	0	0	10	0	0	6		0	1000	5085	429
235 - 265	0	2	984	2	0	5	0	0	4		2	1000	5420	464
265 - 300	0	0	995	3	0	0	0	0	2		0	1000	4939	425
300 - 355	0	5	976	17	0	0	0	2	0		0	1000	5042	485
355 - 455	0	2	949	29	4	0	0	13	4		0	1000	3592	374
455 - 560	12	65	837	72	1	0	0	14	0		0	1000	976	123
560 & ABOVE	0	19	741	192	0	0	0	48	0		0	1000	462	67
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0
ALL CLASSES	0	4	972	11	1	5	0	3	4		1	1000	35512	3199
ESTD. HHS (00)	12	127	34517	375	24	180	0	91	146		40	35512	XX	0
SAMPLE HHS	1	11	3065	75	4	17	0	9	15		2	3199	XX	0
BIHAR (05)		NO. OF SAMPLE VILLAGES :								699	RURAL			
LESS THA 120	0	17	643	2	0	202	0	0	135		0	1000	8267	447
120 - 140	0	24	619	0	0	217	0	2	139		0	1000	9681	505
140 - 165	1	32	626	1	0	254	0	0	85		1	1000	16738	886
165 - 190	1	36	635	0	0	262	0	0	65		0	1000	17341	921
190 - 210	0	28	647	0	0	273	0	2	49		0	1000	12265	669
210 - 235	0	27	616	2	0	307	0	1	44		2	1000	13402	745
235 - 265	0	40	623	3	0	290	1	2	42		0	1000	13179	746
265 - 300	0	46	661	3	0	259	0	0	31		0	1000	10657	616
300 - 355	3	68	658	5	0	243	0	2	20		0	1000	10626	623
355 - 455	10	97	631	9	0	226	0	3	24		0	1000	6517	450
455 - 560	39	89	651	17	2	177	0	2	22		0	1000	2667	200
560 & ABOVE	36	122	568	17	6	206	0	31	14		0	1000	2172	171
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0
ALL CLASSES	3	41	634	3	0	256	0	2	61		0	1000	123511	6979
ESTD. HHS (00)	327	5111	78328	323	22	31611	12	188	7545		42	123511	XX	0
SAMPLE HHS	15	327	4405	44	5	1779	1	11	388		4	6979	XX	0

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(1R): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

GOA (06)		NO. OF SAMPLE VILLAGES : 15										RURAL		
MONTHLY PER CAPITA EXPEN- DITURE CLASS		PRIMARY SOURCE OF ENERGY FOR COOKING										ESTIMATED HOUSE		SAMPLE HOUSE
	NO COOKING	COKE COAL	FIRE- WOOD & CHIPS	GAS COAL O, OIL OR NATURAL GAS)	GOBAR GAS	DUNG CAKE	CHAR- COAL	KERO SENE	OTHERS	NOT REPORTED	ALL	HOLD	HOLD	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
LESS THA 120	1000	0	0	0	0	0	0	0	0	0	0	1000	9	1
120 - 140	0	0	1000	0	0	0	0	0	0	0	0	1000	18	2
140 - 165	0	0	1000	0	0	0	0	0	0	0	0	1000	10	1
165 - 190	0	0	1000	0	0	0	0	0	0	0	0	1000	18	2
190 - 210	0	0	633	0	0	0	0	367	0	0	0	1000	27	3
210 - 235	0	0	888	0	0	0	0	112	0	0	0	1000	74	8
235 - 265	0	0	723	126	0	0	0	151	0	0	0	1000	66	7
265 - 300	0	0	635	0	0	0	0	365	0	0	0	1000	59	6
300 - 355	0	0	930	0	0	0	70	0	0	0	0	1000	127	14
355 - 455	0	0	839	77	0	0	0	84	0	0	0	1000	280	32
455 - 560	0	0	603	254	0	0	0	143	0	0	0	1000	170	20
560 & ABOVE	0	0	357	609	6	0	0	28	0	0	0	1000	367	50
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	8	0	653	242	2	0	7	88	0	0	0	1000	1226	146
ESTD. HHS (00)	9	0	801	297	2	0	9	108	0	0	0	1226	XX	0
SAMPLE HHS	1	0	89	43	1	0	1	11	0	0	0	146	XX	0
GUJRAT (07)		NO. OF SAMPLE VILLAGES : 223										RURAL		
LESS THA 120	0	0	899	0	0	101	0	0	0	0	0	1000	620	24
120 - 140	0	0	903	57	0	40	0	0	0	0	0	1000	986	37
140 - 165	0	0	933	9	0	43	0	16	0	0	0	1000	2160	89
165 - 190	0	13	847	10	0	52	0	78	0	0	0	1000	3750	137
190 - 210	0	0	904	12	0	50	0	33	0	0	0	1000	3147	130
210 - 235	0	0	901	7	0	86	0	6	0	0	0	1000	4780	195
235 - 265	0	7	879	16	0	83	0	15	0	0	0	1000	5743	235
265 - 300	2	4	809	70	11	71	0	32	0	0	0	1000	6286	257
300 - 355	5	8	807	31	18	54	0	77	0	0	0	1000	7915	345
355 - 455	8	9	738	52	13	69	5	102	4	0	0	1000	8989	387
455 - 560	0	18	619	118	79	68	0	88	0	9	0	1000	3340	176
560 & ABOVE	40	8	411	181	43	50	7	259	0	0	0	1000	3842	207
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	5	7	787	49	15	65	1	69	1	1	1	1000	51559	2219
ESTD. HHS (00)	281	354	40591	2518	764	3347	68	3567	39	31	51559	XX	0	0
SAMPLE HHS	9	25	1721	141	59	163	3	96	1	1	2219	XX	0	0

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(1R): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING

FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

HARYANA (08)

NO. OF SAMPLE VILLAGES : 104

RURAL

MONTHLY PER		PRIMARY SOURCE OF ENERGY FOR COOKING										ESTIMATED		SAMPLE
CAPITA EXPEN												HOUSE	HOUSE	
DITURE CLASS	NO	COKE	FIRE- GAS COAL	GOBAR	DUNG	CHAR-	KERO	OTHERS	NOT	ALL	HOLD	HOLD		
	COOKING	COAL	WOOD O, OIL OR	GAS	CAKE	COAL	SENE		REPORTED					
			& NATURAL											
			CHIPS GAS)											
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
LESS THA 120	71	0	929	0	0	0	0	0	0		0	1000	263	11
120 - 140	0	0	867	0	0	133	0	0	0		0	1000	256	10
140 - 165	0	0	813	0	0	187	0	0	0		0	1000	848	33
165 - 190	0	0	662	23	0	299	0	0	17		0	1000	1187	47
190 - 210	0	0	611	0	0	374	0	0	15		0	1000	1321	54
210 - 235	0	0	666	0	0	299	0	0	35		0	1000	1975	81
235 - 265	0	0	728	0	0	262	0	0	10		0	1000	1837	72
265 - 300	0	0	530	12	0	437	0	0	21		0	1000	2287	102
300 - 355	0	0	759	3	0	216	0	15	7		0	1000	2885	126
355 - 455	0	9	647	52	0	252	0	30	11		0	1000	3615	177
455 - 560	0	0	737	105	0	150	0	0	8		0	1000	2486	124
560 & ABOVE	0	0	677	78	5	165	0	65	10		0	1000	3972	203
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0
ALL CLASSES	1	1	683	36	1	247	0	18	13		0	1000	22931	1040
ESTD. HHS (00)	19	31	15665	821	21	5672	0	411	292		0	22931	XX	0
SAMPLE HHS	1	1	723	44	1	242	0	13	15		0	1040	XX	0
HIMACHAL PRADESH (09)			NO. OF SAMPLE VILLAGES :							189	RURAL			
LESS THA 120	0	0	1000	0	0	0	0	0	0		0	1000	84	15
120 - 140	0	0	1000	0	0	0	0	0	0		0	1000	79	16
140 - 165	0	0	984	0	0	16	0	0	0		0	1000	328	62
165 - 190	0	0	982	0	0	0	0	18	0		0	1000	410	78
190 - 210	0	0	987	0	0	0	0	13	0		0	1000	516	104
210 - 235	0	0	990	1	0	0	0	9	0		0	1000	841	167
235 - 265	0	0	985	3	0	0	0	6	0		6	1000	859	185
265 - 300	0	0	922	29	0	0	0	49	0		0	1000	994	215
300 - 355	0	0	911	32	6	0	0	51	0		0	1000	1292	277
355 - 455	6	0	874	58	2	0	0	60	0		0	1000	1564	327
455 - 560	5	0	851	66	0	0	0	67	11		0	1000	828	167
560 & ABOVE	26	2	632	176	3	0	0	159	3		0	1000	1331	262
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0
ALL CLASSES	5	0	886	50	2	1	0	55	1		1	1000	9126	1875
ESTD. HHS (00)	49	2	8081	453	15	5	0	501	14		5	9126	XX	0
SAMPLE HHS	7	2	1686	93	4	1	0	79	2		1	1875	XX	0

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(1R): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING

FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

JAMMU & KASHMIR (10)

NO. OF SAMPLE VILLAGES : 82

RURAL

MONTHLY PER		PRIMARY SOURCE OF ENERGY FOR COOKING										ESTIMATED		SAMPLE
CAPITA EXPEN												HOUSE	HOUSE	
DITURE CLASS	NO	COKE	FIRE- GAS COAL	GOBAR	DUNG	CHAR-	KERO	OTHERS	NOT	ALL	HOLD	HOLD		
	COOKING	COAL	WOOD O, OIL OR	GAS	CAKE	COAL	SENE		REPORTED					
			& NATURAL											
			CHIPS GAS)											
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
LESS THA 120	0	0	1000	0	0	0	0	0	0		0	1000	12	3
120 - 140	0	0	1000	0	0	0	0	0	0		0	1000	28	7
140 - 165	0	0	1000	0	0	0	0	0	0		0	1000	63	17
165 - 190	0	0	1000	0	0	0	0	0	0		0	1000	93	24
190 - 210	0	0	962	0	0	0	0	38	0		0	1000	152	36
210 - 235	0	0	960	0	0	40	0	0	0		0	1000	201	55
235 - 265	0	12	908	0	0	65	0	15	0		0	1000	314	73
265 - 300	0	0	797	35	0	48	0	104	0		14	1000	376	86
300 - 355	0	0	822	24	0	107	0	47	0		0	1000	629	149
355 - 455	6	0	833	21	0	82	0	58	0		0	1000	734	172
455 - 560	0	0	677	104	0	205	0	14	0		0	1000	320	82
560 & ABOVE	17	0	516	245	0	143	0	79	0		0	1000	379	116
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0
ALL CLASSES	3	1	806	52	0	89	0	47	0		2	1000	3299	820
ESTD. HHS (00)	11	4	2659	170	0	294	0	156	0		5	3299	XX	0
SAMPLE HHS	2	1	653	57	0	75	0	31	0		1	820	XX	0
KARNATAKA (11)			NO. OF SAMPLE VILLAGES : 263							RURAL				
LESS THA 120	11	19	969	0	1	0	0	0	0		0	1000	2423	100
120 - 140	43	0	945	0	0	12	0	0	0		0	1000	3021	117
140 - 165	0	6	994	0	0	0	0	0	0		0	1000	4147	160
165 - 190	0	3	993	0	0	3	0	0	0		0	1000	5951	239
190 - 210	0	0	980	6	0	3	0	10	0		0	1000	5081	200
210 - 235	0	0	991	0	5	0	0	4	0		0	1000	5498	232
235 - 265	16	1	963	12	0	9	0	0	0		0	1000	6331	282
265 - 300	0	0	974	7	6	0	0	10	0		3	1000	6080	273
300 - 355	4	0	942	6	2	3	0	31	12		0	1000	6341	312
355 - 455	19	3	888	27	21	0	0	34	6		3	1000	6740	332
455 - 560	14	0	799	89	14	0	0	75	8		0	1000	2970	171
560 & ABOVE	38	3	707	111	23	0	0	110	6		0	1000	3143	199
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0
ALL CLASSES	10	2	939	17	6	3	0	19	3		1	1000	57725	2617
ESTD. HHS (00)	576	127	54230	983	339	144	0	1125	162		39	57725	XX	0
SAMPLE HHS	22	7	2408	67	36	9	0	55	11		2	2617	XX	0

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(1R): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

KERALA (12)												NO. OF SAMPLE VILLAGES : 256		RURAL	
MONTHLY PER CAPITA EXPEN		PRIMARY SOURCE OF ENERGY FOR COOKING										ESTIMATED HOUSE		SAMPLE HOUSE	
DITURE CLASS	NO COOKING	COKE COAL	FIRE- WOOD	GAS O, OIL OR & NATURAL CHIPS	GOBAR GAS	DUNG CAKE	CHAR- COAL	KERO SENE	OTHERS	NOT REPORTED	ALL HOLD	ESTIMATED HOUSE		SAMPLE HOUSE	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
LESS THA 120	50	0	950	0	0	0	0	0	0		0	1000	358	22	
120 - 140	39	60	901	0	0	0	0	0	0		0	1000	547	33	
140 - 165	0	16	984	0	0	0	0	0	0		0	1000	1051	64	
165 - 190	0	11	989	0	0	0	0	0	0		0	1000	1486	89	
190 - 210	12	28	944	10	0	0	0	7	0		0	1000	1779	104	
210 - 235	0	0	991	0	0	9	0	0	0		0	1000	2423	137	
235 - 265	0	0	982	0	0	0	0	18	0		0	1000	2874	177	
265 - 300	0	5	977	18	0	0	0	0	0		0	1000	3950	232	
300 - 355	7	3	980	5	0	0	0	6	0		0	1000	6061	363	
355 - 455	8	4	946	24	2	2	0	14	0		0	1000	7728	482	
455 - 560	19	0	904	68	9	0	0	1	0		0	1000	3909	259	
560 & ABOVE	46	6	737	151	12	3	0	42	3		0	1000	6820	593	
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0	
ALL CLASSES	14	6	921	41	3	2	0	13	1		0	1000	38986	2555	
ESTD. HHS (00)	552	222	35906	1599	132	63	0	491	21		0	38986	XX	0	
SAMPLE HHS	30	13	2268	191	14	3	0	35	1		0	2555	XX	0	
MADHYA PRADESH (13)												NO. OF SAMPLE VILLAGES : 533		RURAL	
LESS THA 120	8	13	946	2	0	30	0	0	0		0	1000	6130	317	
120 - 140	0	6	932	4	0	58	0	0	0		0	1000	6580	333	
140 - 165	8	4	947	0	2	36	0	0	0		3	1000	9520	483	
165 - 190	2	13	942	2	0	41	0	0	0		0	1000	12085	635	
190 - 210	0	12	932	2	0	51	0	2	0		0	1000	8500	444	
210 - 235	0	5	936	3	2	52	0	2	0		0	1000	9692	521	
235 - 265	5	12	923	7	6	45	0	0	0		2	1000	9276	503	
265 - 300	0	12	924	5	0	56	2	0	0		0	1000	8518	461	
300 - 355	0	13	910	4	1	66	0	7	0		0	1000	8976	518	
355 - 455	4	32	821	10	3	126	0	4	0		0	1000	8311	527	
455 - 560	5	43	789	11	1	140	0	11	0		0	1000	4193	268	
560 & ABOVE	5	26	793	30	9	109	0	28	0		0	1000	3821	303	
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0	
ALL CLASSES	3	14	911	5	2	62	0	3	0		1	1000	95602	5313	
ESTD. HHS (00)	263	1348	87079	496	168	5891	20	285	0		52	95602	XX	0	
SAMPLE HHS	12	74	4803	42	19	342	1	16	0		4	5313	XX	0	

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(1R): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING

FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MAHARASHTRA (14)

NO. OF SAMPLE VILLAGES : 445

RURAL

MONTHLY PER		PRIMARY SOURCE OF ENERGY FOR COOKING										ESTIMATED		SAMPLE
CAPITA EXPEN												HOUSE	HOUSE	
DITURE CLASS	NO	COKE	FIRE- GAS	COAL	GOBAR	DUNG	CHAR-	KERO	OTHERS	NOT	ALL	HOLD	HOLD	
	COOKING	COAL	WOOD	O, OIL OR	GAS	CAKE	COAL	SENE		REPORTED				
			&	NATURAL										
			CHIPS	GAS)										
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
LESS THA 120	7	0	717	0	0	0	0	0	276		0	1000	6058	245
120 - 140	0	0	840	0	0	6	0	0	154		0	1000	4685	201
140 - 165	8	4	863	0	2	8	0	9	106		0	1000	9396	389
165 - 190	2	2	856	1	2	14	0	12	112		0	1000	10521	442
190 - 210	8	7	828	9	9	4	0	19	117		0	1000	7039	310
210 - 235	3	0	820	15	3	20	0	30	109		0	1000	8581	380
235 - 265	3	4	813	13	8	23	0	46	90		0	1000	9711	433
265 - 300	3	2	805	28	11	17	0	56	78		0	1000	8619	388
300 - 355	19	2	762	36	21	18	0	51	89		0	1000	10306	502
355 - 455	15	5	673	67	33	15	0	98	94		0	1000	9155	476
455 - 560	0	4	646	126	34	21	0	110	60		0	1000	4730	281
560 & ABOVE	39	3	460	175	34	5	0	209	74		0	1000	6774	393
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0
ALL CLASSES	9	3	767	35	13	13	0	51	109		0	1000	95575	4440
ESTD. HHS (00)	879	262	73270	3336	1222	1282	0	4882	10442		0	95575	XX	0
SAMPLE HHS	27	15	3301	223	100	56	0	240	478		0	4440	XX	0
MANIPUR (15)		NO. OF SAMPLE VILLAGES :								100	RURAL			
LESS THA 120	0	0	1000	0	0	0	0	0	0		0	1000	3	2
120 - 140	0	0	1000	0	0	0	0	0	0		0	1000	0	1
140 - 165	0	0	1000	0	0	0	0	0	0		0	1000	23	10
165 - 190	0	0	1000	0	0	0	0	0	0		0	1000	39	23
190 - 210	0	0	974	26	0	0	0	0	0		0	1000	123	63
210 - 235	0	0	975	15	0	0	0	10	0		0	1000	210	99
235 - 265	0	5	930	56	5	0	0	6	0		0	1000	382	164
265 - 300	0	0	951	28	0	0	0	21	0		0	1000	368	170
300 - 355	0	0	967	30	0	3	0	0	0		0	1000	425	203
355 - 455	0	7	911	65	10	0	0	7	0		0	1000	383	195
455 - 560	0	0	849	106	0	0	0	0	0		45	1000	67	41
560 & ABOVE	0	0	836	120	0	0	0	44	0		0	1000	52	29
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0
ALL CLASSES	0	2	942	43	3	1	0	8	0		1	1000	2075	1000
ESTD. HHS (00)	0	5	1955	89	5	1	0	17	0		3	2075	XX	0
SAMPLE HHS	0	3	930	54	3	1	0	8	0		1	1000	XX	0

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(1R): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING

FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MEGHALAYA (16)

NO. OF SAMPLE VILLAGES : 112

RURAL

MONTHLY PER		PRIMARY SOURCE OF ENERGY FOR COOKING										ESTIMATED		SAMPLE
CAPITA EXPEN												HOUSE	HOUSE	
DITURE CLASS	NO	COKE	FIRE- GAS COAL	GOBAR	DUNG	CHAR-	KERO	OTHERS	NOT	ALL	HOLD	HOLD		
	COOKING	COAL	WOOD O, OIL OR	GAS	CAKE	COAL	SENE		REPORTED					
			& NATURAL											
			CHIPS GAS)											
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
LESS THA 120	795	0	205	0	0	0	0	0	0		0	1000	16	5
120 - 140	0	0	1000	0	0	0	0	0	0		0	1000	8	4
140 - 165	0	0	1000	0	0	0	0	0	0		0	1000	27	11
165 - 190	0	0	1000	0	0	0	0	0	0		0	1000	112	40
190 - 210	9	0	991	0	0	0	0	0	0		0	1000	182	64
210 - 235	0	0	1000	0	0	0	0	0	0		0	1000	265	92
235 - 265	0	0	1000	0	0	0	0	0	0		0	1000	309	119
265 - 300	0	0	994	0	0	0	0	0	6		0	1000	368	131
300 - 355	0	0	983	0	0	0	17	0	0		0	1000	443	184
355 - 455	0	7	972	0	0	0	11	10	0		0	1000	641	252
455 - 560	21	0	969	1	0	0	0	0	9		0	1000	232	106
560 & ABOVE	79	9	749	17	0	0	84	62	0		0	1000	229	109
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0
ALL CLASSES	13	2	962	1	0	0	12	7	1		0	1000	2834	1117
ESTD. HHS (00)	37	6	2727	4	0	0	34	21	4		0	2834	XX	0
SAMPLE HHS	11	3	1076	8	0	0	11	6	2		0	1117	XX	0
MIZORAM (17)		NO. OF SAMPLE VILLAGES :								47	RURAL			
LESS THA 120	0	0	0	0	0	0	0	0	0		0	0	0	0
120 - 140	0	0	0	0	0	0	0	0	0		0	0	0	0
140 - 165	0	0	1000	0	0	0	0	0	0		0	1000	2	1
165 - 190	0	0	1000	0	0	0	0	0	0		0	1000	12	7
190 - 210	0	0	1000	0	0	0	0	0	0		0	1000	8	5
210 - 235	0	0	1000	0	0	0	0	0	0		0	1000	20	12
235 - 265	0	0	1000	0	0	0	0	0	0		0	1000	31	22
265 - 300	0	0	1000	0	0	0	0	0	0		0	1000	68	48
300 - 355	0	0	954	0	0	0	0	46	0		0	1000	125	81
355 - 455	0	0	981	0	0	0	0	19	0		0	1000	232	151
455 - 560	0	0	975	25	0	0	0	0	0		0	1000	114	79
560 & ABOVE	0	0	984	0	0	16	0	0	0		0	1000	87	64
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0
ALL CLASSES	0	0	979	4	0	2	0	14	0		0	1000	697	470
ESTD. HHS (00)	0	0	683	3	0	1	0	10	0		0	697	XX	0
SAMPLE HHS	0	0	458	2	0	1	0	9	0		0	470	XX	0

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(1R): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING

FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

NAGALAND (18)

NO. OF SAMPLE VILLAGES : 46

RURAL

MONTHLY PER		PRIMARY SOURCE OF ENERGY FOR COOKING										ESTIMATED		SAMPLE
CAPITA EXPEN												HOUSE	HOUSE	
DITURE CLASS	NO	COKE	FIRE- GAS	COAL	GOBAR	DUNG	CHAR-	KERO	OTHERS	NOT	ALL	HOLD	HOLD	
	COOKING	COAL	WOOD	O, OIL OR	GAS	CAKE	COAL	SENE		REPORTED				
			&	NATURAL										
			CHIPS	GAS)										
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
LESS THA 120	0	0	0	0	0	0	0	0	0		0	0	0	
120 - 140	0	0	0	0	0	0	0	0	0		0	0	0	
140 - 165	0	0	0	0	0	0	0	0	0		0	0	0	
165 - 190	0	0	0	0	0	0	0	0	0		0	0	0	
190 - 210	0	0	1000	0	0	0	0	0	0		0	1000	4	
210 - 235	0	0	1000	0	0	0	0	0	0		0	1000	6	
235 - 265	0	0	1000	0	0	0	0	0	0		0	1000	10	
265 - 300	0	0	1000	0	0	0	0	0	0		0	1000	38	
300 - 355	0	0	1000	0	0	0	0	0	0		0	1000	106	
355 - 455	0	0	1000	0	0	0	0	0	0		0	1000	240	
455 - 560	0	6	970	14	0	0	0	10	0		0	1000	177	
560 & ABOVE	0	0	971	3	0	0	0	26	0		0	1000	156	
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	
ALL CLASSES	0	2	987	4	0	0	0	8	0		0	1000	737	
ESTD. HHS (00)	0	1	727	3	0	0	0	6	0		0	737	XX	
SAMPLE HHS	0	1	453	3	0	0	0	3	0		0	460	XX	
ORISSA (19)		NO. OF SAMPLE VILLAGES :								335	RURAL			
LESS THA 120	0	0	911	0	5	43	0	0	42		0	1000	4814	
120 - 140	7	5	914	0	0	43	0	0	31		0	1000	4887	
140 - 165	6	2	909	0	0	40	0	2	42		0	1000	8288	
165 - 190	20	17	866	2	2	50	0	0	43		0	1000	7796	
190 - 210	26	0	865	2	4	37	0	0	67		0	1000	6755	
210 - 235	11	6	913	3	0	37	4	3	23		0	1000	6394	
235 - 265	35	4	882	0	8	36	0	5	31		0	1000	5197	
265 - 300	3	1	892	0	8	52	0	4	40		0	1000	4275	
300 - 355	27	4	923	1	2	26	0	4	13		0	1000	4688	
355 - 455	59	5	881	1	6	26	0	7	15		0	1000	3398	
455 - 560	60	2	862	1	1	41	0	19	12		0	1000	1318	
560 & ABOVE	90	2	724	53	4	21	0	36	69		0	1000	1739	
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	
ALL CLASSES	21	5	889	3	3	39	0	4	37		0	1000	59547	
ESTD. HHS (00)	1235	279	52923	152	177	2337	25	208	2210		0	59547	XX	
SAMPLE HHS	48	19	2947	18	18	151	1	11	125		0	3338	XX	

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(1R): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING

FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

PUNJAB (20)

NO. OF SAMPLE VILLAGES : 205

RURAL

MONTHLY PER		PRIMARY SOURCE OF ENERGY FOR COOKING										ESTIMATED		SAMPLE	
CAPITA	EXPEN											HOUSE	HOUSE		
DITURE	CLASS	NO	COKE	FIRE-	GAS	COAL	GOBAR	DUNG	CHAR-	KERO	OTHERS	NOT	ALL	HOLD	HOLD
		COOKING	COAL	WOOD	O, OIL OR		GAS	CAKE	COAL	SENE		REPORTED			
				&	NATURAL										
				CHIPS	GAS)										
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)		
LESS THA 120	0	0	1000	0	0	0	0	0	0		0	1000	24	2	
120 - 140	160	0	422	115	0	303	0	0	0		0	1000	74	7	
140 - 165	0	0	413	0	0	359	0	85	143		0	1000	335	23	
165 - 190	0	0	549	21	0	331	0	48	52		0	1000	531	37	
190 - 210	0	0	733	0	0	247	0	20	0		0	1000	493	39	
210 - 235	14	0	407	11	0	479	0	78	12		0	1000	1230	88	
235 - 265	0	0	658	16	0	272	0	46	7		0	1000	2052	143	
265 - 300	0	0	537	11	0	403	0	46	3		0	1000	2777	187	
300 - 355	0	4	530	18	0	369	0	72	7		0	1000	3680	280	
355 - 455	8	3	495	46	4	369	0	73	2		0	1000	5924	448	
455 - 560	0	5	473	65	3	300	0	140	13		0	1000	3217	281	
560 & ABOVE	13	0	452	128	3	283	0	113	6		0	1000	5148	511	
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0	
ALL CLASSES	6	2	507	51	2	340	0	83	9		0	1000	25486	2046	
ESTD. HHS (00)	142	50	12927	1308	45	8671	0	2116	226		0	25486	XX	0	
SAMPLE HHS	5	5	1057	124	9	683	0	144	19		0	2046	XX	0	
RAJASTHAN (21)			NO. OF SAMPLE VILLAGES :							312	RURAL				
LESS THA 120	0	0	894	0	0	64	0	0	42		0	1000	722	31	
120 - 140	0	0	954	0	0	27	0	0	19		0	1000	1315	58	
140 - 165	0	0	921	0	0	44	0	10	24		0	1000	2373	108	
165 - 190	0	0	946	6	0	23	10	0	15		0	1000	3708	178	
190 - 210	0	0	935	30	0	22	0	5	8		0	1000	3965	195	
210 - 235	0	31	878	0	0	41	0	26	25		0	1000	5316	266	
235 - 265	0	9	932	4	0	44	0	1	10		0	1000	6109	321	
265 - 300	0	4	926	4	0	46	0	11	10		0	1000	6135	344	
300 - 355	3	7	898	11	1	60	0	5	14		0	1000	8377	465	
355 - 455	5	4	879	32	3	52	0	15	9		0	1000	9687	542	
455 - 560	4	4	904	35	0	40	0	11	2		0	1000	5196	288	
560 & ABOVE	4	4	804	73	0	39	0	61	10		4	1000	4897	301	
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0	
ALL CLASSES	2	7	900	20	1	44	1	14	12		0	1000	57798	3097	
ESTD. HHS (00)	122	382	52019	1132	37	2535	36	796	720		20	57798	XX	0	
SAMPLE HHS	5	16	2765	62	4	172	1	39	32		1	3097	XX	0	

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TABLE(1R): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING

FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

SIKKIM (22)

NO. OF SAMPLE VILLAGES : 48

RURAL

MONTHLY PER		PRIMARY SOURCE OF ENERGY FOR COOKING										ESTIMATED		SAMPLE
CAPITA EXPEN												HOUSE		HOUSE
DITURE CLASS	NO	COKE	FIRE- GAS COAL	GOBAR	DUNG	CHAR-	KERO	OTHERS	NOT	ALL	HOLD	HOLD		
	COOKING	COAL	WOOD O, OIL OR	GAS	CAKE	COAL	SENE		REPORTED					
			& NATURAL											
			CHIPS GAS)											
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
LESS THA 120	0	0	0	0	0	0	0	0	0		0	0	0	0
120 - 140	0	0	1000	0	0	0	0	0	0		0	1000	6	4
140 - 165	0	0	871	0	0	0	0	129	0		0	1000	23	15
165 - 190	0	0	929	0	0	0	0	71	0		0	1000	36	23
190 - 210	0	0	930	0	0	0	0	70	0		0	1000	48	27
210 - 235	0	0	926	0	0	0	0	74	0		0	1000	61	40
235 - 265	0	0	919	0	0	0	0	81	0		0	1000	94	62
265 - 300	0	0	832	15	0	0	0	154	0		0	1000	117	74
300 - 355	0	0	789	15	0	17	0	178	0		0	1000	98	70
355 - 455	0	0	563	78	0	0	0	358	0		0	1000	86	66
455 - 560	0	0	526	92	0	0	0	297	85		0	1000	51	39
560 & ABOVE	177	0	141	78	0	0	0	551	27		27	1000	80	60
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0
ALL CLASSES	20	0	726	30	0	2	0	209	9		3	1000	699	480
ESTD. HHS (00)	14	0	507	21	0	2	0	146	6		2	699	XX	0
SAMPLE HHS	9	0	342	26	0	1	0	98	3		1	480	XX	0
TAMILNADU (23)		NO. OF SAMPLE VILLAGES : 391										RURAL		
LESS THA 120	66	0	934	0	0	0	0	0	0		0	1000	4195	152
120 - 140	0	0	1000	0	0	0	0	0	0		0	1000	3669	146
140 - 165	5	0	995	0	0	0	0	0	0		0	1000	6334	249
165 - 190	4	0	978	0	0	3	0	15	0		0	1000	8960	350
190 - 210	17	7	960	12	0	0	0	5	0		0	1000	6957	271
210 - 235	5	0	974	0	1	0	0	21	0		0	1000	9138	377
235 - 265	0	0	978	1	0	7	0	14	0		0	1000	9656	398
265 - 300	6	3	953	12	5	3	0	19	0		0	1000	9217	393
300 - 355	12	0	910	13	3	0	0	63	0		0	1000	9956	437
355 - 455	14	1	865	26	7	1	0	87	0		0	1000	9366	457
455 - 560	13	6	759	82	12	0	0	129	0		0	1000	5398	275
560 & ABOVE	42	2	597	263	6	0	0	90	0		0	1000	6528	396
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0
ALL CLASSES	13	1	913	31	3	1	0	38	0		0	1000	89374	3901
ESTD. HHS (00)	1154	122	81611	2726	243	130	0	3389	0		0	89374	XX	0
SAMPLE HHS	36	6	3558	140	24	6	0	131	0		0	3901	XX	0

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TABLE(1R): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

TRIPURA (24)													
NO. OF SAMPLE VILLAGES : 153													
RURAL													
MONTHLY PER	PRIMARY SOURCE OF ENERGY FOR COOKING										ESTIMATED	SAMPLE	
CAPITA EXPEN											HOUSE	HOUSE	
DITURE CLASS	NO	COKE	FIRE- GAS COAL	GOBAR	DUNG	CHAR-	KERO	OTHERS	NOT	ALL	HOLD	HOLD	
	COOKING	COAL	WOOD O, OIL OR	GAS	CAKE	COAL	SENE		REPORTED				
			& NATURAL										
			CHIPS GAS)										
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
LESS THA 120	0	0	1000	0	0	0	0	0	0		0	1000	39 12
120 - 140	0	0	1000	0	0	0	0	0	0		0	1000	83 23
140 - 165	0	0	1000	0	0	0	0	0	0		0	1000	173 48
165 - 190	0	0	1000	0	0	0	0	0	0		0	1000	275 76
190 - 210	0	0	1000	0	0	0	0	0	0		0	1000	215 69
210 - 235	0	8	992	0	0	0	0	0	0		0	1000	304 101
235 - 265	0	0	996	0	0	0	0	0	0		4	1000	458 143
265 - 300	0	12	988	0	0	0	0	0	0		0	1000	488 154
300 - 355	4	6	990	0	0	0	0	0	0		0	1000	891 277
355 - 455	0	0	1000	0	0	0	0	0	0		0	1000	941 279
455 - 560	0	0	995	6	0	0	0	0	0		0	1000	650 172
560 & ABOVE	9	0	914	66	0	0	0	12	0		0	1000	490 176
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0 0
ALL CLASSES	2	3	987	7	0	0	0	1	0		0	1000	5008 1530
ESTD. HHS (00)	8	14	4942	36	0	0	0	6	0		2	5008	XX 0
SAMPLE HHS	2	5	1499	20	0	0	0	3	0		1	1530	XX 0
UTTAR PRADESH (25)													
NO. OF SAMPLE VILLAGES : 902													
RURAL													
LESS THA 120	0	6	690	0	0	291	0	0	14		0	1000	9166 357
120 - 140	2	0	664	0	0	314	0	0	19		0	1000	11431 461
140 - 165	0	0	675	1	0	309	0	0	14		0	1000	18361 744
165 - 190	0	1	655	0	0	309	0	6	29		0	1000	19612 807
190 - 210	2	4	629	2	0	341	0	2	20		0	1000	16304 665
210 - 235	1	7	649	2	0	321	0	4	16		0	1000	18863 808
235 - 265	1	4	624	4	1	351	1	1	12		0	1000	20077 916
265 - 300	0	6	639	4	1	336	0	4	9		0	1000	19195 884
300 - 355	4	5	648	12	2	317	0	8	5		0	1000	21228 1005
355 - 455	7	2	589	18	2	362	0	13	7		0	1000	20936 1046
455 - 560	7	7	574	49	1	334	0	18	9		2	1000	11150 566
560 & ABOVE	26	8	468	72	7	345	0	71	3		0	1000	13598 751
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0 0
ALL CLASSES	4	4	627	12	1	329	0	10	13		0	1000	199920 9010
ESTD. HHS (00)	754	791	125329	2417	226	65796	22	1933	2626		26	199920	XX 0
SAMPLE HHS	26	32	5669	148	19	2913	1	82	119		1	9010	XX 0

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(1R): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING

FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

WEST BENGAL (26)

NO. OF SAMPLE VILLAGES : 448

RURAL

MONTHLY PER		PRIMARY SOURCE OF ENERGY FOR COOKING										ESTIMATED		SAMPLE
CAPITA EXPEN												HOUSE	HOUSE	
DITURE CLASS	NO	COKE	FIRE- GAS	COAL	GOBAR	DUNG	CHAR-	KERO	OTHERS	NOT	ALL	HOLD	HOLD	
	COOKING	COAL	WOOD	O, OIL OR	GAS	CAKE	COAL	SENE		REPORTED				
			&	NATURAL										
			CHIPS	GAS)										
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
LESS THA 120	20	14	469	0	0	43	0	0	454		0	1000	2273	85
120 - 140	0	25	705	0	0	78	0	0	192		0	1000	2385	93
140 - 165	4	27	615	0	0	83	0	0	271		0	1000	7083	276
165 - 190	0	20	710	0	0	72	0	2	195		0	1000	10693	433
190 - 210	11	27	649	0	0	106	0	6	201		0	1000	9864	406
210 - 235	15	42	680	0	0	50	0	3	210		0	1000	10896	449
235 - 265	6	60	673	0	0	76	0	1	183		0	1000	13487	577
265 - 300	7	89	581	2	1	88	0	4	228		0	1000	11673	491
300 - 355	5	88	588	4	0	104	0	7	203		0	1000	12095	570
355 - 455	21	92	567	3	3	116	0	21	176		0	1000	10141	524
455 - 560	7	143	485	5	7	118	0	26	210		0	1000	4430	258
560 & ABOVE	56	175	388	43	8	106	0	54	171		0	1000	4819	318
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0
ALL CLASSES	11	65	613	3	1	88	0	9	209		0	1000	99838	4480
ESTD. HHS (00)	1102	6533	61247	333	113	8764	0	852	20894		0	99838	XX	0
SAMPLE HHS	41	326	2749	33	11	397	0	40	883		0	4480	XX	0
ANDMAN&NICOBAR (27)			NO. OF SAMPLE VILLAGES :							50	RURAL			
LESS THA 120	0	0	0	0	0	0	0	0	0		0	0	0	0
120 - 140	0	0	0	0	0	0	0	0	0		0	0	0	0
140 - 165	0	0	0	0	0	0	0	0	0		0	0	0	0
165 - 190	596	0	404	0	0	0	0	0	0		0	1000	6	4
190 - 210	0	0	1000	0	0	0	0	0	0		0	1000	3	4
210 - 235	378	0	488	0	0	0	0	134	0		0	1000	10	8
235 - 265	0	0	948	0	0	0	0	52	0		0	1000	19	22
265 - 300	0	0	931	0	0	0	0	69	0		0	1000	19	21
300 - 355	3	0	997	0	0	0	0	0	0		0	1000	57	60
355 - 455	130	0	838	0	0	0	0	33	0		0	1000	94	102
455 - 560	46	0	851	2	0	0	0	101	0		0	1000	65	77
560 & ABOVE	146	0	537	33	0	0	0	277	7		0	1000	169	202
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0
ALL CLASSES	107	0	741	13	0	0	0	136	3		0	1000	441	500
ESTD. HHS (00)	47	0	327	6	0	0	0	60	1		0	441	XX	0
SAMPLE HHS	36	0	384	10	0	0	0	69	1		0	500	XX	0

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(1R): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING

FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

CHANDIGARH (28)

NO. OF SAMPLE VILLAGES : 8

RURAL

MONTHLY PER		PRIMARY SOURCE OF ENERGY FOR COOKING									ESTIMATED		SAMPLE
CAPITA EXPEN											HOUSE		HOUSE
DITURE CLASS	NO	COKE	FIRE- GAS COAL	GOBAR	DUNG	CHAR-	KERO	OTHERS	NOT	ALL	HOLD	HOLD	
	COOKING	COAL	WOOD O, OIL OR	GAS	CAKE	COAL	SENE		REPORTED				
			& NATURAL										
			CHIPS GAS)										
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
LESS THA 120	0	0	0	0	0	0	0	0	0		0	0	0
120 - 140	0	0	0	0	0	0	0	0	0		0	0	0
140 - 165	0	0	0	0	0	0	0	0	0		0	0	0
165 - 190	0	0	0	0	0	0	0	0	0		0	0	0
190 - 210	0	0	1000	0	0	0	0	0	0		0	1000	2
210 - 235	0	0	0	0	0	294	0	706	0		0	1000	8
235 - 265	0	0	394	0	0	0	0	606	0		0	1000	7
265 - 300	0	0	351	129	0	0	0	520	0		0	1000	14
300 - 355	0	0	118	16	0	37	0	829	0		0	1000	26
355 - 455	0	0	62	24	0	136	0	778	0		0	1000	40
455 - 560	0	0	0	44	0	0	0	956	0		0	1000	22
560 & ABOVE	40	0	48	255	0	19	0	637	0		0	1000	78
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0
ALL CLASSES	16	0	96	122	0	52	0	714	0		0	1000	197
ESTD. HHS (00)	3	0	19	24	0	10	0	140	0		0	197	XX
SAMPLE HHS	1	0	8	12	0	8	0	51	0		0	80	XX
DAD.&NAG.HAVELI (29)		NO. OF SAMPLE VILLAGES : 24									RURAL		
LESS THA 120	0	0	1000	0	0	0	0	0	0		0	1000	9
120 - 140	0	0	1000	0	0	0	0	0	0		0	1000	20
140 - 165	0	0	1000	0	0	0	0	0	0		0	1000	29
165 - 190	0	0	974	0	0	0	0	26	0		0	1000	43
190 - 210	0	0	1000	0	0	0	0	0	0		0	1000	20
210 - 235	0	0	955	0	0	0	0	45	0		0	1000	25
235 - 265	0	0	845	0	0	0	0	155	0		0	1000	13
265 - 300	0	0	816	0	0	0	0	184	0		0	1000	11
300 - 355	0	0	962	18	0	0	0	20	0		0	1000	18
355 - 455	0	0	898	87	0	0	0	15	0		0	1000	23
455 - 560	0	0	739	51	0	0	0	211	0		0	1000	8
560 & ABOVE	0	78	626	192	0	0	0	104	0		0	1000	16
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0
ALL CLASSES	0	5	925	25	0	0	0	44	0		0	1000	236
ESTD. HHS (00)	0	1	218	6	0	0	0	10	0		0	236	XX
SAMPLE HHS	0	1	213	14	0	0	0	12	0		0	240	XX

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(1R): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING

FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

DAMAN & DIU (30)

NO. OF SAMPLE VILLAGES : 8

RURAL

PRIMARY SOURCE OF ENERGY FOR COOKING												ESTIMATED		SAMPLE
MONTHLY PER												HOUSE	HOUSE	
CAPITA	EXPEN											ALL	HOLD	HOLD
DITURE CLASS	NO	COKE	FIRE-	GAS	GOBAR	DUNG	CHAR-	KERO	OTHERS	NOT				
	COOKING	COAL	WOOD	O, OIL OR	GAS	CAKE	COAL	SENE		REPORTED				
			&	NATURAL										
			CHIPS	GAS)										
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
LESS THA 120	0	0	0	0	0	0	0	0	0		0	0	0	
120 - 140	0	0	1000	0	0	0	0	0	0		0	1000	1	
140 - 165	0	0	1000	0	0	0	0	0	0		0	1000	1	
165 - 190	0	0	1000	0	0	0	0	0	0		0	1000	1	
190 - 210	0	0	1000	0	0	0	0	0	0		0	1000	3	
210 - 235	0	0	1000	0	0	0	0	0	0		0	1000	1	
235 - 265	0	0	1000	0	0	0	0	0	0		0	1000	5	
265 - 300	0	0	303	0	0	0	0	697	0		0	1000	4	
300 - 355	0	0	768	232	0	0	0	0	0		0	1000	11	
355 - 455	0	0	620	184	0	0	0	196	0		0	1000	30	
455 - 560	0	0	450	262	0	0	0	288	0		0	1000	15	
560 & ABOVE	40	0	301	153	0	0	0	419	88		0	1000	35	
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	
ALL CLASSES	13	0	543	159	0	0	0	256	29		0	1000	107	
ESTD. HHS (00)	1	0	58	17	0	0	0	28	3		0	107	XX	
SAMPLE HHS	1	0	44	23	0	0	0	10	2		0	80	XX	
DELHI (31)	NO. OF SAMPLE VILLAGES :									7	RURAL			
LESS THA 120	0	0	0	0	0	0	0	0	0		0	0	0	
120 - 140	0	0	0	0	0	0	0	0	0		0	0	0	
140 - 165	0	0	0	0	0	0	0	0	0		0	0	0	
165 - 190	0	0	0	0	0	0	0	0	0		0	0	0	
190 - 210	0	0	0	0	0	0	0	0	0		0	0	0	
210 - 235	0	0	0	0	0	0	0	1000	0		0	1000	43	
235 - 265	0	0	0	0	0	368	0	632	0		0	1000	163	
265 - 300	0	0	0	0	0	0	0	1000	0		0	1000	86	
300 - 355	0	0	0	0	0	1000	0	0	0		0	1000	43	
355 - 455	0	0	0	444	0	282	0	274	0		0	1000	252	
455 - 560	0	0	0	130	0	298	0	572	0		0	1000	403	
560 & ABOVE	22	0	22	234	0	99	0	624	0		0	1000	1375	
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	
ALL CLASSES	13	0	13	206	0	182	0	587	0		0	1000	2365	
ESTD. HHS (00)	30	0	30	486	0	430	0	1389	0		0	2365	XX	
SAMPLE HHS	1	0	1	19	0	10	0	30	0		0	61	XX	

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(1R): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING

FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

LAKSHADWEEP (32)

NO. OF SAMPLE VILLAGES : 7

RURAL

MONTHLY PER		PRIMARY SOURCE OF ENERGY FOR COOKING									ESTIMATED		SAMPLE
CAPITA EXPEN											HOUSE		HOUSE
DITURE CLASS	NO	COKE	FIRE- GAS COAL	GOBAR	DUNG	CHAR-	KERO	OTHERS	NOT	ALL	HOLD	HOLD	
	COOKING	COAL	WOOD O, OIL OR	GAS	CAKE	COAL	SENE		REPORTED				
			& NATURAL										
			CHIPS GAS)										
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
LESS THA 120	0	0	0	0	0	0	0	0	0		0	0	0
120 - 140	0	0	0	0	0	0	0	0	0		0	0	0
140 - 165	0	0	0	0	0	0	0	0	0		0	0	0
165 - 190	0	0	0	0	0	0	0	0	0		0	0	0
190 - 210	0	0	0	0	0	0	0	0	0		0	0	0
210 - 235	0	0	0	0	0	0	0	0	0		0	0	0
235 - 265	0	0	1000	0	0	0	0	0	0		0	1000	1
265 - 300	0	0	1000	0	0	0	0	0	0		0	1000	4
300 - 355	0	0	1000	0	0	0	0	0	0		0	1000	5
355 - 455	0	0	940	0	0	0	0	60	0		0	1000	6
455 - 560	0	0	828	0	0	0	0	172	0		0	1000	5
560 & ABOVE	0	0	875	0	0	0	0	125	0		0	1000	15
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0
ALL CLASSES	0	0	911	0	0	0	0	89	0		0	1000	35
ESTD. HHS (00)	0	0	32	0	0	0	0	3	0		0	35	XX
SAMPLE HHS	0	0	65	0	0	0	0	5	0		0	70	XX
PONDICHERRY (33)		NO. OF SAMPLE VILLAGES : 7									RURAL		
LESS THA 120	0	0	1000	0	0	0	0	0	0		0	1000	11
120 - 140	0	0	0	0	0	0	0	0	0		0	0	0
140 - 165	0	0	1000	0	0	0	0	0	0		0	1000	11
165 - 190	0	0	1000	0	0	0	0	0	0		0	1000	52
190 - 210	0	0	1000	0	0	0	0	0	0		0	1000	51
210 - 235	0	0	1000	0	0	0	0	0	0		0	1000	75
235 - 265	0	0	1000	0	0	0	0	0	0		0	1000	77
265 - 300	0	0	947	0	0	0	0	53	0		0	1000	52
300 - 355	0	0	847	0	0	0	0	153	0		0	1000	97
355 - 455	0	0	1000	0	0	0	0	0	0		0	1000	44
455 - 560	0	0	962	38	0	0	0	0	0		0	1000	58
560 & ABOVE	0	0	789	211	0	0	0	0	0		0	1000	86
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0
ALL CLASSES	0	0	938	33	0	0	0	29	0		0	1000	614
ESTD. HHS (00)	0	0	577	20	0	0	0	18	0		0	614	XX
SAMPLE HHS	0	0	61	7	0	0	0	2	0		0	70	XX

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(1R): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING

FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

ALL INDIA

NO. OF SAMPLE VILLAGES : 6951

RURAL

MONTHLY PER		PRIMARY SOURCE OF ENERGY FOR COOKING										ESTIMATED		SAMPLE
CAPITA EXPEN												HOUSE	HOUSE	
DITURE CLASS	NO	COKE	FIRE- GAS	COAL	GOBAR	DUNG	CHAR-	KERO	OTHERS	NOT	ALL	HOLD	HOLD	
	COOKING	COAL	WOOD	O, OIL OR	GAS	CAKE	COAL	SENE		REPORTED				
			&	NATURAL										
			CHIPS	GAS)										
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
LESS THA 120	14	7	791	1	1	101	0	0	86		0	1000	49148	2286
120 - 140	4	7	809	2	0	123	0	0	55		0	1000	54314	2569
140 - 165	3	9	810	1	0	122	0	2	52		1	1000	96888	4632
165 - 190	3	11	821	1	1	112	0	6	46		0	1000	120021	5869
190 - 210	6	9	811	4	1	119	0	5	44		0	1000	98049	5010
210 - 235	4	10	818	3	1	117	0	9	39		1	1000	116915	6249
235 - 265	4	14	814	5	2	117	0	9	35		0	1000	126654	7109
265 - 300	2	16	802	11	3	117	0	13	35		0	1000	119776	6917
300 - 355	6	17	799	13	4	108	0	22	30		0	1000	135595	8428
355 - 455	11	17	750	29	7	122	1	37	25		0	1000	130456	8907
455 - 560	8	20	716	60	10	113	0	48	22		1	1000	66603	4736
560 & ABOVE	28	20	582	124	12	110	1	101	22		0	1000	80251	6494
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0
ALL CLASSES	7	14	782	19	3	115	0	20	38		0	1000	1194669	69206
ESTD. HHS (00)	8335	16186	934591	22665	4048	137840	433	24386	45849		335	1194669	XX	0
SAMPLE HHS	373	918	54892	1976	385	7056	29	1437	2117		23	69206	XX	0

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(1U): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER											ESTIMATED		SAMPLE		
CAPITA EXPEN											HOUSE	HOUSE			
DITURE CLASS	NO	COKE	FIRE-	GAS	COAL	GOBAR	DUNG	CHAR-	KERO	OTHERS	NOT	ALL	HOLD		
	COOKING	COAL	WOOD	O, OIL OR		GAS	CAKE	COAL	SENE		REPORTED				
			&	NATURAL											
			CHIPS	GAS)											
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)		
ANDHRA PRADESH (02)											NO. OF SAMPLE BLOCKS :		365	URBAN	
LESS THA 160	33	16	900	8	0	0	8	28	8		0	1000	1750	151	
160 - 190	10	7	850	49	0	0	3	81	0		0	1000	1787	167	
190 - 230	14	20	747	67	0	2	3	138	10		0	1000	3491	329	
230 - 265	0	23	676	91	0	3	8	187	12		0	1000	4024	354	
265 - 310	11	20	594	167	0	0	9	196	4		0	1000	4156	407	
310 - 355	3	54	470	219	0	5	4	229	16		0	1000	3427	319	
355 - 410	5	40	332	276	0	0	4	326	17		0	1000	3533	318	
410 - 490	16	19	310	325	0	1	7	310	13		0	1000	3889	356	
490 - 605	26	14	210	459	0	0	1	276	14		0	1000	3917	363	
605 - 825	77	23	120	530	0	1	8	228	12		0	1000	3623	374	
825 - 1055	71	29	106	576	0	0	0	177	40		0	1000	1529	170	
1055 ABOVE	126	7	46	690	0	0	0	130	0		0	1000	2023	336	
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0	
ALL CLASSES	27	24	441	279	0	1	5	211	12		0	1000	37149	3644	
ESTD. HHS (00	1004	880	16396	10379	0	41	189	7827	433		0	37149	XX	0	
SAMPLE HHS	85	92	1370	1169	0	5	19	872	32		0	3644	XX	0	
ARUNACHAL PRADESH(03)											NO. OF SAMPLE BLOCKS :		24	URBAN	
LESS THA 160	0	0	735	188	0	0	0	77	0		0	1000	3	11	
160 - 190	0	0	0	275	0	0	0	725	0		0	1000	5	3	
190 - 230	0	0	821	86	0	0	0	93	0		0	1000	7	12	
230 - 265	0	0	774	0	0	0	0	226	0		0	1000	10	14	
265 - 310	0	0	626	210	29	0	0	135	0		0	1000	11	16	
310 - 355	0	0	792	66	14	0	0	129	0		0	1000	23	22	
355 - 410	0	120	556	248	0	0	0	69	7		0	1000	30	29	
410 - 490	0	122	411	308	0	0	0	159	0		0	1000	26	27	
490 - 605	0	10	642	292	0	0	0	55	0		0	1000	32	26	
605 - 825	0	0	366	473	0	0	0	160	0		0	1000	40	35	
825 - 1055	0	0	124	810	0	0	0	67	0		0	1000	17	14	
1055 ABOVE	0	0	163	483	0	0	0	354	0		0	1000	20	30	
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0	
ALL CLASSES	0	31	487	328	3	0	0	150	1		0	1000	223	239	
ESTD. HHS (00	0	7	109	73	1	0	0	34	0		0	223	XX	0	
SAMPLE HHS	0	4	107	79	2	0	0	46	1		0	239	XX	0	

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994
 TABLE(1U): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING
 FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER		PRIMARY SOURCE OF ENERGY FOR COOKING										ESTIMATED		SAMPLE
CAPITA EXPEN												HOUSE	HOUSE	
DITURE CLASS	NO	COKE	FIRE- GAS COAL	GOBAR	DUNG	CHAR-	KERO	OTHERS	NOT	ALL	HOLD	HOLD		
	COOKING	COAL	WOOD O, OIL OR	GAS	CAKE	COAL	SENE		REPORTED					
			& NATURAL											
			CHIPS GAS)											
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
ASSAM (04)		NO. OF SAMPLE BLOCKS : 88								URBAN				
LESS THA 160	0	0	1000	0	0	0	0	0	0	0	1000	37	13	
160 - 190	0	0	781	0	0	0	0	219	0	0	1000	57	13	
190 - 230	0	4	856	32	0	0	0	108	0	0	1000	331	59	
230 - 265	0	0	820	121	0	0	0	58	0	0	1000	346	63	
265 - 310	10	0	749	108	0	0	0	133	0	0	1000	527	98	
310 - 355	0	3	631	224	0	0	0	142	0	0	1000	385	80	
355 - 410	10	18	518	354	0	9	0	91	0	0	1000	520	99	
410 - 490	12	18	327	497	0	0	0	146	0	0	1000	541	105	
490 - 605	80	15	298	416	0	24	0	168	0	0	1000	568	100	
605 - 825	103	0	159	515	0	0	0	213	10	0	1000	791	126	
825 - 1055	163	0	141	459	0	0	0	237	0	0	1000	429	55	
1055 ABOVE	0	11	76	659	0	0	0	219	34	0	1000	239	69	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	0	0	
ALL CLASSES	45	7	441	345	0	4	0	155	3	0	1000	4771	880	
ESTD. HHS (00	214	32	2106	1647	0	18	0	738	16	0	4771	XX	0	
SAMPLE HHS	18	7	423	294	0	2	0	134	2	0	880	XX	0	
BIHAR (05)		NO. OF SAMPLE BLOCKS : 216								URBAN				
LESS THA 160	0	362	452	36	0	69	0	42	39	0	1000	1186	154	
160 - 190	4	421	389	17	0	142	0	23	0	4	1000	1027	138	
190 - 230	0	485	351	41	0	51	0	40	32	0	1000	2075	257	
230 - 265	23	467	321	57	0	98	3	30	0	0	1000	2034	239	
265 - 310	8	469	287	110	0	51	0	58	17	0	1000	1980	234	
310 - 355	0	514	186	136	0	44	0	104	17	0	1000	1613	192	
355 - 410	78	411	191	196	0	18	6	65	33	0	1000	1524	179	
410 - 490	83	425	74	219	0	32	0	142	26	0	1000	1797	192	
490 - 605	62	342	73	322	0	56	0	132	10	2	1000	1507	174	
605 - 825	130	221	75	344	34	0	0	189	7	0	1000	1539	169	
825 - 1055	349	111	27	386	0	6	0	120	0	0	1000	874	90	
1055 ABOVE	189	51	32	506	11	0	0	209	2	0	1000	641	137	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	0	0	
ALL CLASSES	59	391	218	172	3	49	1	89	17	0	1000	17796	2155	
ESTD. HHS (00	1055	6950	3881	3067	59	880	17	1582	298	7	17796	XX	0	
SAMPLE HHS	94	868	427	456	8	119	2	137	42	2	2155	XX	0	

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994
TABLE(1U): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER		PRIMARY SOURCE OF ENERGY FOR COOKING										ESTIMATED		SAMPLE
CAPITA EXPEN												HOUSE	HOUSE	
DITURE CLASS	NO	COKE	FIRE- GAS COAL	GOBAR	DUNG	CHAR-	KERO	OTHERS	NOT	ALL	HOLD	HOLD		
	COOKING	COAL	WOOD O, OIL OR	GAS	CAKE	COAL	SENE		REPORTED					
			& NATURAL											
			CHIPS GAS)											
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
GOA (06)		NO. OF SAMPLE BLOCKS : 22										URBAN		
LESS THA 160	0	0	1000	0	0	0	0	0	0		0	1000	5	2
160 - 190	0	0	1000	0	0	0	0	0	0		0	1000	3	1
190 - 230	0	0	513	0	0	0	0	487	0		0	1000	24	5
230 - 265	0	0	314	58	0	0	0	628	0		0	1000	40	9
265 - 310	0	0	205	210	0	0	0	584	0		0	1000	95	16
310 - 355	0	0	351	223	0	0	0	426	0		0	1000	55	12
355 - 410	0	0	210	397	0	0	0	393	0		0	1000	99	19
410 - 490	0	0	167	584	16	0	0	232	0		0	1000	137	34
490 - 605	0	0	174	319	0	0	0	507	0		0	1000	152	33
605 - 825	12	0	150	615	0	0	0	223	0		0	1000	162	37
825 - 1055	0	0	0	626	0	0	0	374	0		0	1000	82	17
1055 ABOVE	218	28	39	535	0	0	0	180	0		0	1000	92	28
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0
ALL CLASSES	23	3	179	426	2	0	0	367	0		0	1000	944	213
ESTD. HHS (00	22	3	169	402	2	0	0	346	0		0	944	XX	0
SAMPLE HHS	5	1	40	96	1	0	0	70	0		0	213	XX	0
GUJRAT (07)		NO. OF SAMPLE BLOCKS : 238										URBAN		
LESS THA 160	65	36	582	60	0	36	0	221	0		0	1000	373	36
160 - 190	43	24	541	0	0	54	0	337	0		0	1000	668	57
190 - 230	0	33	469	94	0	134	0	270	0		0	1000	1491	109
230 - 265	10	50	330	50	0	119	0	441	0		0	1000	1765	153
265 - 310	78	53	265	135	0	18	0	447	3		0	1000	2437	215
310 - 355	0	35	230	261	0	44	0	430	0		0	1000	2956	230
355 - 410	10	14	169	467	0	31	3	305	0		0	1000	3459	266
410 - 490	187	15	80	417	0	10	3	288	0		0	1000	4156	290
490 - 605	183	6	53	431	0	21	0	305	0		0	1000	4250	293
605 - 825	33	18	36	681	0	7	0	224	0		0	1000	3419	318
825 - 1055	42	10	6	787	1	0	0	153	0		0	1000	1333	139
1055 ABOVE	101	0	8	729	0	0	0	162	0		0	1000	1532	266
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0
ALL CLASSES	78	22	161	396	0	32	1	310	0		0	1000	27839	2372
ESTD. HHS (00	2176	610	4473	11032	1	897	23	8618	8		0	27839	XX	0
SAMPLE HHS	58	34	361	1120	1	63	2	732	1		0	2372	XX	0

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(1U): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

PRIMARY SOURCE OF ENERGY FOR COOKING												ESTIMATED		SAMPLE	
CAPITA EXPEN												HOUSE	HOUSE		
DITURE CLASS	NO	COKE	FIRE- GAS COAL	GOBAR	DUNG	CHAR-	KERO	OTHERS	NOT	ALL	HOLD	HOLD			
	COOKING	COAL	WOOD O, OIL OR	GAS	CAKE	COAL	SENE		REPORTED						
			& NATURAL CHIPS GAS)												
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)		
HARYANA (08)												NO. OF SAMPLE BLOCKS :		70	URBAN
LESS THA 160	0	0	781	0	0	107	0	112	0		0	1000	147	12	
160 - 190	0	0	548	91	0	268	0	93	0		0	1000	177	17	
190 - 230	0	0	636	53	0	231	0	81	0		0	1000	434	35	
230 - 265	54	0	403	305	0	194	0	36	0		8	1000	694	45	
265 - 310	0	0	391	378	0	131	0	100	0		0	1000	816	63	
310 - 355	0	26	377	280	0	111	0	207	0		0	1000	880	61	
355 - 410	9	34	204	390	0	146	0	217	0		0	1000	1221	86	
410 - 490	15	0	194	465	0	67	0	259	0		0	1000	1384	93	
490 - 605	38	5	165	425	0	47	0	319	0		0	1000	1417	90	
605 - 825	39	0	116	438	0	49	0	359	0		0	1000	1402	85	
825 - 1055	88	0	63	518	0	0	0	331	0		0	1000	729	44	
1055 ABOVE	243	0	29	483	0	62	0	183	0		0	1000	796	66	
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0	
ALL CLASSES	43	7	238	386	0	95	0	230	0		1	1000	10098	697	
ESTD. HHS (00	435	72	2403	3902	0	958	0	2322	0		5	10098	XX	0	
SAMPLE HHS	21	4	177	291	0	70	0	133	0		1	697	XX	0	
HIMACHAL PRADESH (09)												NO. OF SAMPLE BLOCKS :		40	URBAN
LESS THA 160	0	0	1000	0	0	0	0	0	0		0	1000	2	1	
160 - 190	0	0	523	0	0	0	0	477	0		0	1000	4	2	
190 - 230	0	0	851	70	0	0	0	79	0		0	1000	30	10	
230 - 265	0	0	689	0	0	140	0	171	0		0	1000	41	13	
265 - 310	0	0	468	284	0	80	0	167	0		0	1000	70	25	
310 - 355	0	0	235	313	0	0	0	452	0		0	1000	77	24	
355 - 410	0	0	171	437	0	0	0	360	32		0	1000	98	31	
410 - 490	0	18	63	632	0	0	0	288	0		0	1000	120	41	
490 - 605	27	16	60	580	0	0	0	317	0		0	1000	165	54	
605 - 825	164	0	75	497	0	0	0	265	0		0	1000	218	65	
825 - 1055	0	0	12	523	0	20	0	445	0		0	1000	102	37	
1055 ABOVE	423	1	4	415	16	0	0	125	18		0	1000	255	97	
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0	
ALL CLASSES	125	4	137	446	3	11	0	266	7		0	1000	1183	400	
ESTD. HHS (00	148	5	162	528	4	13	0	315	8		0	1183	XX	0	
SAMPLE HHS	19	3	57	211	1	3	0	101	5		0	400	XX	0	

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994
TABLE(1U): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER		PRIMARY SOURCE OF ENERGY FOR COOKING										ESTIMATED		SAMPLE
CAPITA EXPEN												HOUSE	HOUSE	
DITURE CLASS	NO	COKE	FIRE-	GAS COAL	GOBAR	DUNG	CHAR-	KERO	OTHERS	NOT	ALL	HOLD	HOLD	
	COOKING	COAL	WOOD	O, OIL OR	GAS	CAKE	COAL	SENE		REPORTED				
			&	NATURAL										
			CHIPS	GAS)										
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
JAMMU & KASHMIR (10)										NO. OF SAMPLE BLOCKS :		53	URBAN	
LESS THA 160	0	0	0	856	0	0	0	144	0	0	1000	6	2	
160 - 190	0	0	644	0	0	0	0	356	0	0	1000	10	3	
190 - 230	0	0	783	217	0	0	0	0	0	0	1000	17	8	
230 - 265	0	0	357	234	0	221	0	189	0	0	1000	37	20	
265 - 310	28	0	200	284	0	99	0	379	9	0	1000	89	37	
310 - 355	0	0	98	440	0	17	0	409	36	0	1000	100	41	
355 - 410	38	0	82	559	0	28	0	294	0	0	1000	164	64	
410 - 490	95	0	45	538	0	62	0	260	0	0	1000	197	74	
490 - 605	17	20	88	509	0	58	0	307	0	0	1000	149	74	
605 - 825	18	0	26	744	0	8	0	188	17	0	1000	179	92	
825 - 1055	0	0	23	723	0	41	0	192	0	22	1000	79	42	
1055 ABOVE	152	0	0	744	0	0	0	104	0	0	1000	136	71	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	0	0	
ALL CLASSES	46	3	88	560	0	42	0	253	6	1	1000	1162	528	
ESTD. HHS (00	54	3	102	652	0	49	0	294	7	2	1162	XX	0	
SAMPLE HHS	15	1	63	298	0	21	0	126	3	1	528	XX	0	
KARNATAKA (11)										NO. OF SAMPLE BLOCKS :		247	URBAN	
LESS THA 160	2	0	958	0	0	0	0	40	0	0	1000	1272	118	
160 - 190	10	22	750	67	0	11	0	140	0	0	1000	882	85	
190 - 230	5	4	757	49	0	0	0	185	0	0	1000	2371	218	
230 - 265	44	6	675	61	0	0	0	208	7	0	1000	1949	187	
265 - 310	14	4	540	111	0	6	0	301	24	0	1000	2368	229	
310 - 355	17	0	477	117	0	6	0	358	25	0	1000	1961	192	
355 - 410	0	10	289	296	0	0	0	382	23	0	1000	2419	221	
410 - 490	27	2	211	276	0	0	2	390	92	0	1000	2774	260	
490 - 605	47	7	130	396	0	1	2	354	63	0	1000	3012	275	
605 - 825	111	3	80	470	0	2	2	223	107	2	1000	3217	294	
825 - 1055	170	0	25	501	1	1	0	245	56	0	1000	1713	144	
1055 ABOVE	291	11	18	524	1	0	0	77	79	0	1000	1531	246	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	0	0	
ALL CLASSES	58	5	362	260	0	2	1	265	46	0	1000	25469	2469	
ESTD. HHS (00	1486	124	9208	6632	3	47	18	6761	1182	8	25469	XX	0	
SAMPLE HHS	147	13	871	717	2	6	3	618	91	1	2469	XX	0	

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(1U): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER		PRIMARY SOURCE OF ENERGY FOR COOKING										ESTIMATED		SAMPLE
CAPITA EXPEN												HOUSE	HOUSE	
DITURE CLASS	NO	COKE	FIRE- GAS COAL	GOBAR	DUNG	CHAR-	KERO		OTHERS	NOT	ALL	HOLD	HOLD	
	COOKING	COAL	WOOD O, OIL OR	GAS	CAKE	COAL	SENE			REPORTED				
			& NATURAL											
			CHIPS GAS)											
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
KERALA (12)			NO. OF SAMPLE BLOCKS : 183								URBAN			
LESS THA 160	26	31	944	0	0	0	0	0	0	0	1000	327	47	
160 - 190	25	0	951	0	0	0	0	24	0	0	1000	314	44	
190 - 230	0	5	953	14	0	0	0	28	0	0	1000	810	117	
230 - 265	0	0	984	16	0	0	0	0	0	0	1000	746	109	
265 - 310	0	0	980	15	0	0	0	6	0	0	1000	1352	180	
310 - 355	0	0	914	61	0	0	0	25	0	0	1000	1290	161	
355 - 410	14	10	796	108	0	0	0	69	2	0	1000	1412	181	
410 - 490	10	0	786	147	0	4	0	53	0	0	1000	1581	213	
490 - 605	79	0	637	210	0	0	0	72	0	3	1000	1592	209	
605 - 825	173	0	452	280	0	0	0	84	0	11	1000	1560	212	
825 - 1055	245	0	266	402	0	0	0	88	0	0	1000	923	127	
1055 ABOVE	246	1	173	477	0	8	0	89	5	1	1000	1131	230	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	0	0	
ALL CLASSES	73	2	701	168	0	1	0	52	1	2	1000	13038	1830	
ESTD. HHS (00	952	30	9143	2189	0	15	0	678	9	23	13038	XX	0	
SAMPLE HHS	102	5	1235	391	0	2	0	88	3	4	1830	XX	0	
MADHYA PRADESH (13)			NO. OF SAMPLE BLOCKS : 325								URBAN			
LESS THA 160	0	38	882	18	6	7	0	46	3	0	1000	1162	129	
160 - 190	0	48	836	24	0	13	0	67	13	0	1000	1594	150	
190 - 230	3	38	671	118	0	13	0	146	10	0	1000	2800	271	
230 - 265	34	66	553	154	0	52	3	127	12	0	1000	2886	288	
265 - 310	7	57	476	232	3	15	10	169	31	0	1000	3404	343	
310 - 355	4	79	415	267	0	12	7	202	15	0	1000	3251	328	
355 - 410	14	66	382	337	0	10	0	189	2	0	1000	3138	333	
410 - 490	14	101	341	344	0	17	6	173	4	0	1000	3094	332	
490 - 605	57	43	242	430	0	16	5	200	5	1	1000	3020	320	
605 - 825	79	59	159	550	4	7	3	127	13	0	1000	3134	335	
825 - 1055	89	23	61	554	0	41	0	222	9	0	1000	1143	142	
1055 ABOVE	102	42	79	666	0	1	1	106	3	0	1000	1525	262	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	0	0	
ALL CLASSES	30	59	414	308	1	17	4	156	11	0	1000	30151	3233	
ESTD. HHS (00	909	1790	12472	9281	32	509	109	4713	333	4	30151	XX	0	
SAMPLE HHS	91	186	1247	1114	3	52	13	494	32	1	3233	XX	0	

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(1U): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPENDITURE CLASS												ESTIMATED HOUSEHOLD		SAMPLE HOUSEHOLD											
PRIMARY SOURCE OF ENERGY FOR COOKING																									
DITURE CLASS	NO COOKING	COKE COAL	FIRE- WOOD	GAS COAL O, OIL OR NATURAL GAS)	GOBAR GAS	DUNG CAKE	CHAR- COAL	KERO SENE	OTHERS	NOT REPORTED	ALL	HOLD	HOLD												
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)												
MAHARASHTRA (14)												NO. OF SAMPLE BLOCKS :		557	URBAN										
LESS THA 160	19	7	668	37	0	5	0	185	79		0	1000	2369	183											
160 - 190	0	25	607	24	0	8	0	263	65		7	1000	1997	177											
190 - 230	6	2	482	133	0	4	2	351	20		0	1000	2921	262											
230 - 265	22	11	330	104	0	21	7	481	23		0	1000	3256	281											
265 - 310	31	9	236	233	1	0	4	473	14		0	1000	4875	417											
310 - 355	27	11	149	271	2	6	0	527	6		0	1000	4641	386											
355 - 410	48	4	111	310	2	1	0	518	4		0	1000	5352	420											
410 - 490	35	2	42	358	4	2	4	548	5		0	1000	6124	530											
490 - 605	62	7	27	433	0	6	3	459	3		0	1000	7599	645											
605 - 825	116	0	22	568	3	6	0	283	1		1	1000	9558	841											
825 - 1055	180	0	1	572	0	2	0	245	0		0	1000	5700	518											
1055 ABOVE	152	0	11	678	0	1	0	150	0		8	1000	6912	868											
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0											
ALL CLASSES												74	5	138	388	1	4	2	376	10		1	1000	61304	5528
ESTD. HHS (00												4540	290	8461	23790	85	275	95	23068	627		72	61304	XX	0
SAMPLE HHS												343	23	689	2528	5	26	6	1856	49		3	5528	XX	0
MANIPUR (15)												NO. OF SAMPLE BLOCKS :		70	URBAN										
LESS THA 160	0	0	1000	0	0	0	0	0	0		0	1000	2	2											
160 - 190	0	0	1000	0	0	0	0	0	0		0	1000	6	7											
190 - 230	0	0	834	166	0	0	0	0	0		0	1000	70	56											
230 - 265	0	13	770	170	0	0	0	47	0		0	1000	161	147											
265 - 310	0	8	824	112	0	0	0	56	0		0	1000	146	143											
310 - 355	0	0	659	282	0	0	0	59	0		0	1000	119	107											
355 - 410	0	4	673	253	0	0	0	71	0		0	1000	144	111											
410 - 490	0	0	277	534	0	7	0	173	8		0	1000	102	69											
0 1000 102 69			0 1000 102 69																						
490 - 605	0	32	198	506	0	0	0	264	0		0	1000	38	34											
605 - 825	0	260	31	506	0	0	0	203		17															
825 - 1055	0	0	301	308	0	0	0	392	0		0	1000	3	3											
1055 ABOVE	0	0	0	1000	0	0	0	0	0		0	1000	1	3											
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0											
ALL CLASSES												0	13	644	260	0	1	0	81	1		0	1000	812	699
ESTD. HHS (00												0	11	523	211	0	1	0	66	1		0	812	XX	0
SAMPLE HHS												0	6	455	186	0	1	0	50	1		0	699	XX	0

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(1U): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

PRIMARY SOURCE OF ENERGY FOR COOKING												ESTIMATED		SAMPLE		
CAPITA EXPEN												HOUSE	HOUSE			
DITURE CLASS	NO	COKE	FIRE-	GAS COAL	GOBAR	DUNG	CHAR-	KERO	OTHERS	NOT	ALL	HOLD	HOLD			
	COOKING	COAL	WOOD	O, OIL OR	GAS	CAKE	COAL	SENE		REPORTED						
			&	NATURAL												
			CHIPS	GAS)												
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)			
MEGHALAYA (16)												NO. OF SAMPLE BLOCKS :		48	URBAN	
LESS THA 160	0	0	1000	0	0	0	0	0	0		0	1000	0	1		
160 - 190	0	0	1000	0	0	0	0	0	0		0	1000	2	3		
190 - 230	0	0	566	0	0	0	434	0	0		0	1000	6	5		
230 - 265	0	0	753	0	0	0	182	65	0		0	1000	8	15		
265 - 310	0	0	593	66	0	0	52	289	0		0	1000	33	29		
310 - 355	83	36	491	21	0	18	37	314	0		0	1000	44	39		
355 - 410	165	0	372	129	0	13	59	261	0		0	1000	61	53		
410 - 490	0	0	327	237	0	0	136	283	0	17		1000	79	73		
490 - 605	78	0	195	283	0	0	73	371	0		0	1000	81	62		
605 - 825	34	9	57	450	0	0	145	305	0		0	1000	93	82		
825 - 1055	290	0	9	317	0	0	72	312	0		0	1000	57	50		
1055 ABOVE	178	0	77	348	0	0	84	309	3		0	1000	41	66		
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0		
ALL CLASSES	93	5	249	251	0	3	96	299	0		3	1000	505	478		
ESTD. HHS (00	47	2	126	127	0	2	49	151	0		1	505	XX	0		
SAMPLE HHS	29	2	130	124	0	2	49	140	1		1	478	XX	0		
MIZORAM (17)												NO. OF SAMPLE BLOCKS :		96	URBAN	
LESS THA 160	0	0	0	0	0	0	0	0	0		0	0	0	0		
160 - 190	0	0	0	0	0	0	0	0	0		0	0	0	0		
190 - 230	0	0	0	0	0	0	0	0	0		0	0	0	0		
230 - 265	0	0	1000	0	0	0	0	0	0		0	1000	1	3		
265 - 310	0	0	963	37	0	0	0	0	0		0	1000	6	16		
310 - 355	0	0	850	53	0	0	0	98	0		0	1000	17	47		
355 - 410	0	8	696	192	0	0	0	104	0		0	1000	41	111		
410 - 490	0	0	619	236	0	0	0	145	0		0	1000	76	203		
490 - 605	0	3	528	332	0	2	0	135	0		0	1000	92	240		
605 - 825	0	6	402	382	0	0	0	210	0		0	1000	81	200		
825 - 1055	0	0	308	471	0	0	0	221	0		0	1000	20	50		
1055 ABOVE	0	11	99	689	0	4	0	198	0		0	1000	15	87		
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0		
ALL CLASSES	0	4	532	310	0	1	0	154	0		0	1000	351	957		
ESTD. HHS (00	0	1	187	109	0	0	0	54	0		0	351	XX	0		
SAMPLE HHS	0	5	493	316	0	2	0	141	0		0	957	XX	0		

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994
TABLE(1U): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER		PRIMARY SOURCE OF ENERGY FOR COOKING										ESTIMATED		SAMPLE
CAPITA EXPEN												HOUSE		HOUSE
DITURE CLASS	NO	COKE	FIRE-	GAS	COAL	GOBAR	DUNG	CHAR-	KERO	OTHERS	NOT	ALL	HOLD	HOLD
	COOKING	COAL	WOOD	O,	OIL OR	GAS	CAKE	COAL	SENE		REPORTED			
			&	NATURAL										
			CHIPS	GAS)										
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
NAGALAND (18)			NO. OF SAMPLE BLOCKS : 24								URBAN			
LESS THA 160	0	0	0	0	0	0	0	0	0		0	0	0	0
160 - 190	0	0	0	0	0	0	0	0	0		0	0	0	0
190 - 230	0	0	1000	0	0	0	0	0	0		0	1000	1	1
230 - 265	0	0	487	513	0	0	0	0	0		0	1000	8	4
265 - 310	0	0	848	152	0	0	0	0	0		0	1000	13	9
310 - 355	0	0	760	81	0	0	0	159	0		0	1000	24	17
355 - 410	0	0	805	134	0	0	0	62	0		0	1000	29	21
410 - 490	0	0	706	195	0	0	0	61	39		0	1000	50	39
490 - 605	0	0	805	32	0	0	0	162	0		0	1000	54	48
605 - 825	18	0	616	174	0	0	0	193	0		0	1000	64	52
825 - 1055	46	0	457	123	0	0	0	374	0		0	1000	25	24
1055 ABOVE	0	0	457	214	0	0	0	328	0		0	1000	16	25
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0
ALL CLASSES	8	0	686	144	0	0	0	156	7		0	1000	284	240
ESTD. HHS (00	2	0	195	41	0	0	0	44	2		0	284	XX	0
SAMPLE HHS	4	0	169	29	0	0	0	37	1		0	240	XX	0
ORISSA (19)			NO. OF SAMPLE BLOCKS : 104								URBAN			
LESS THA 160	62	149	662	53	0	26	0	48	0		0	1000	460	47
160 - 190	0	76	802	15	0	0	0	71	36		0	1000	479	49
190 - 230	0	81	812	7	0	0	18	67	16		0	1000	896	103
230 - 265	112	121	602	16	0	0	10	139	0		0	1000	774	86
265 - 310	10	169	575	23	0	31	24	150	18		0	1000	931	112
310 - 355	54	82	602	120	3	0	39	88	13		0	1000	813	87
355 - 410	45	65	419	167	0	7	53	176	68		0	1000	882	90
410 - 490	53	85	343	255	30	14	53	147	18		0	1000	872	87
490 - 605	72	53	214	301	15	34	55	95	150		11	1000	1100	113
605 - 825	178	17	145	356	0	0	6	210	87		0	1000	1208	119
825 - 1055	290	0	17	462	0	22	13	41	154		0	1000	554	60
1055 ABOVE	475	27	2	296	0	0	0	82	118		0	1000	486	84
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0
ALL CLASSES	99	76	423	180	5	12	26	120	58		1	1000	9455	1037
ESTD. HHS (00	940	718	3997	1699	46	109	247	1139	548		12	9455	XX	0
SAMPLE HHS	89	78	431	221	3	10	26	126	52		1	1037	XX	0

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(1U): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

PRIMARY SOURCE OF ENERGY FOR COOKING												ESTIMATED		SAMPLE
CAPITA EXPEN												HOUSE	HOUSE	
DITURE CLASS	NO	COKE	FIRE- GAS	COAL	GOBAR	DUNG	CHAR-	KERO	OTHERS	NOT	ALL	HOLD	HOLD	
	COOKING	COAL	WOOD	O, OIL OR	GAS	CAKE	COAL	SENE		REPORTED				
			&	NATURAL										
			CHIPS	GAS)										
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
PUNJAB (20)				NO. OF SAMPLE BLOCKS :						196	URBAN			
LESS THA 160	0	0	515	0	0	434	0	51	0		0	1000	75	9
160 - 190	0	0	519	114	0	200	0	167	0		0	1000	130	19
190 - 230	0	0	394	129	0	169	0	283	25		0	1000	389	58
230 - 265	13	23	356	126	0	152	0	322	7		0	1000	619	84
265 - 310	0	6	260	198	0	87	0	449	0		0	1000	923	142
310 - 355	0	9	233	353	0	116	0	289	0		0	1000	1016	152
355 - 410	9	2	153	364	0	81	0	378	13		0	1000	1242	188
410 - 490	3	18	125	338	5	82	3	425	0		0	1000	1570	239
490 - 605	8	10	87	532	0	34	0	328	0		0	1000	1907	282
605 - 825	9	6	70	468	0	17	0	431	0		0	1000	2373	349
825 - 1055	47	0	36	618	0	15	0	284	0		0	1000	1009	166
1055 ABOVE	25	19	44	640	0	1	0	271	0		0	1000	801	259
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0
ALL CLASSES	11	9	145	409	1	64	0	359	3		0	1000	12056	1947
ESTD. HHS (00	128	108	1747	4930	8	768	5	4332	31		0	12056	XX	0
SAMPLE HHS	24	19	270	944	1	107	1	577	4		0	1947	XX	0
RAJASTHAN (21)				NO. OF SAMPLE BLOCKS :						184	URBAN			
LESS THA 160	61	0	717	91	0	131	0	0	0		0	1000	460	46
160 - 190	0	0	628	7	0	82	0	265	18		0	1000	564	44
190 - 230	0	7	747	50	0	47	0	149	0		0	1000	1586	144
230 - 265	0	0	681	118	0	48	42	112	0		0	1000	1405	119
265 - 310	7	0	478	136	0	68	19	293	0		0	1000	1887	175
310 - 355	6	23	490	231	0	10	17	208	4		11	1000	1965	181
355 - 410	8	0	363	289	0	6	18	311	0		5	1000	2270	206
410 - 490	0	9	378	311	0	29	0	272	0		0	1000	2261	204
490 - 605	0	11	226	430	3	45	21	265	0		0	1000	2367	211
605 - 825	39	11	163	509	0	34	0	225	10		9	1000	1955	190
825 - 1055	63	7	125	414	0	0	0	391	0		0	1000	1334	123
1055 ABOVE	213	0	51	486	18	24	0	198	0		11	1000	1024	156
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0
ALL CLASSES	24	7	390	284	1	35	11	242	2		3	1000	19077	1799
ESTD. HHS (00	448	134	7440	5421	25	673	217	4620	36		63	19077	XX	0
SAMPLE HHS	34	12	663	603	2	45	14	417	3		6	1799	XX	0

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994
 TABLE(1U): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING
 FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER		PRIMARY SOURCE OF ENERGY FOR COOKING										ESTIMATED		SAMPLE
CAPITA EXPEN												HOUSE	HOUSE	
DITURE CLASS	NO	COKE	FIRE-	GAS COAL	GOBAR	DUNG	CHAR-	KERO	OTHERS	NOT	ALL	HOLD	HOLD	
	COOKING	COAL	WOOD	O, OIL OR	GAS	CAKE	COAL	SENE		REPORTED				
			&	NATURAL										
			CHIPS	GAS)										
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
SIKKIM (22)														
NO. OF SAMPLE BLOCKS :										16	URBAN			
LESS THA 160	0	0	0	0	0	0	0	0	0	0	0	0	0	
160 - 190	0	0	0	0	0	0	0	0	0	0	0	0	0	
190 - 230	0	0	0	0	0	0	0	1000	0	0	1000	1	2	
230 - 265	0	0	0	0	0	0	0	1000	0	0	1000	3	5	
265 - 310	0	191	0	98	0	0	0	710	0	0	1000	4	9	
310 - 355	0	0	167	0	0	0	0	833	0	0	1000	5	10	
355 - 410	0	0	0	157	0	0	0	843	0	0	1000	8	17	
410 - 490	41	0	0	319	0	0	0	640	0	0	1000	10	21	
490 - 605	202	0	20	283	0	53	0	442	0	0	1000	8	19	
605 - 825	244	0	58	330	0	0	0	368	0	0	1000	16	29	
825 - 1055	543	0	0	275	0	0	0	182	0	0	1000	12	24	
1055 ABOVE	28	0	0	208	0	0	0	660	104	0	1000	4	24	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	0	0	
ALL CLASSES	178	12	27	233	0	6	0	539	6	0	1000	70	160	
ESTD. HHS (00	12	1	2	16	0	0	0	38	0	0	70	XX	0	
SAMPLE HHS	15	1	4	50	0	1	0	88	1	0	160	XX	0	
TAMILNADU (23)														
NO. OF SAMPLE BLOCKS :										407	URBAN			
LESS THA 160	466	0	457	3	6	0	0	68	0	0	1000	2844	166	
160 - 190	169	0	689	0	0	0	0	142	0	0	1000	2408	175	
190 - 230	157	6	660	18	0	2	3	153	1	0	1000	4971	368	
230 - 265	12	7	725	26	0	6	0	218	5	0	1000	4413	364	
265 - 310	27	3	624	83	1	3	0	246	12	0	1000	5794	457	
310 - 355	5	4	507	115	7	0	0	349	13	0	1000	4331	373	
355 - 410	107	0	404	143	1	0	0	331	8	5	1000	5151	399	
410 - 490	24	8	353	254	0	0	2	352	7	0	1000	5516	430	
490 - 605	105	0	256	312	0	0	0	324	3	0	1000	4236	338	
605 - 825	115	0	175	430	1	12	3	262	3	0	1000	5006	381	
825 - 1055	171	2	86	516	0	22	0	203	0	0	1000	2592	193	
1055 ABOVE	281	0	59	492	0	0	0	167	0	0	1000	3163	398	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	0	0	
ALL CLASSES	115	3	429	192	1	3	1	250	5	1	1000	50425	4042	
ESTD. HHS (00	5786	148	21649	9697	62	170	40	12584	262	27	50425	XX	0	
SAMPLE HHS	250	11	1744	903	5	11	3	1096	18	1	4042	XX	0	

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994
 TABLE(1U): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING
 FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER		PRIMARY SOURCE OF ENERGY FOR COOKING										ESTIMATED		SAMPLE
CAPITA EXPEN												HOUSE	HOUSE	
DITURE CLASS	NO	COKE	FIRE- GAS COAL	GOBAR	DUNG	CHAR-	KERO		OTHERS	NOT	ALL	HOLD	HOLD	
	COOKING	COAL	WOOD O, OIL OR	GAS	CAKE	COAL	SENE			REPORTED				
			& NATURAL											
			CHIPS GAS)											
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
TRIPURA (24)			NO. OF SAMPLE BLOCKS : 56								URBAN			
LESS THA 160	0	0	1000	0	0	0	0	0	0		0	1000	13	8
160 - 190	0	0	1000	0	0	0	0	0	0		0	1000	15	9
190 - 230	0	25	975	0	0	0	0	0	0		0	1000	22	15
230 - 265	0	0	985	15	0	0	0	0	0		0	1000	46	31
265 - 310	0	0	949	28	0	0	0	23	0		0	1000	76	50
310 - 355	16	0	953	31	0	0	0	0	0		0	1000	84	52
355 - 410	0	31	855	58	23	0	0	15	0		18	1000	112	67
410 - 490	0	0	766	116	27	0	0	75	0		16	1000	94	61
490 - 605	51	0	737	182	0	0	0	23	0		7	1000	91	70
605 - 825	5	11	506	394	1	0	0	83	0		0	1000	129	86
825 - 1055	19	0	393	479	0	0	0	109	0		0	1000	46	32
1055 ABOVE	0	0	333	556	0	0	0	111	0		0	1000	62	79
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0
ALL CLASSES	10	7	741	186	7	0	0	45	0		5	1000	790	560
ESTD. HHS (00	8	5	585	147	5	0	0	35	0		4	790	XX	0
SAMPLE HHS	10	5	387	125	3	0	0	27	0		3	560	XX	0
UTTAR PRADESH (25)			NO. OF SAMPLE BLOCKS : 448								URBAN			
LESS THA 160	0	28	739	13	0	163	0	44	13		0	1000	3360	257
160 - 190	9	22	687	12	0	105	0	121	44		0	1000	2719	226
190 - 230	4	21	739	40	0	84	0	100	13		0	1000	4999	450
230 - 265	30	39	600	91	0	111	3	126	1		0	1000	4525	403
265 - 310	0	32	547	178	0	69	0	148	26		0	1000	5060	507
310 - 355	29	55	378	287	5	112	6	126	2		0	1000	4776	387
355 - 410	27	45	321	340	0	93	0	166	8		0	1000	4513	397
410 - 490	12	27	210	549	6	47	0	145	4		0	1000	5000	451
490 - 605	22	12	179	522	0	80	0	159	27		0	1000	4905	423
605 - 825	56	19	95	550	0	53	2	218	8		0	1000	5065	428
825 - 1055	27	0	60	590	0	25	0	284	14		0	1000	2596	211
1055 ABOVE	48	10	61	702	0	25	0	155	0		0	1000	2244	311
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0
ALL CLASSES	21	28	391	315	1	82	1	148	13		0	1000	49763	4451
ESTD. HHS (00	1064	1374	19480	15685	55	4076	51	7342	636		0	49763	XX	0
SAMPLE HHS	104	135	1560	1522	2	406	6	666	50		0	4451	XX	0

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(1U): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER												ESTIMATED		SAMPLE		
CAPITA EXPEN												HOUSE		HOUSE		
DITURE CLASS	NO	COKE	FIRE-	GAS	COAL	GOBAR	DUNG	CHAR-	KERO	OTHERS	NOT	ALL	HOLD	HOLD		
	COOKING	COAL	WOOD	O, OIL OR		GAS	CAKE	COAL	SENE		REPORTED					
			&	NATURAL												
			CHIPS	GAS)												
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)			
WEST BENGAL (26)												NO. OF SAMPLE BLOCKS :		335	URBAN	
LESS THA 160	55	267	431	19	0	6	0	30	193		0	1000	913	83		
160 - 190	14	327	374	0	0	22	0	30	232		0	1000	1271	102		
190 - 230	32	407	203	0	0	16	0	53	289		0	1000	2604	221		
230 - 265	22	405	133	12	0	18	0	75	334		0	1000	2556	249		
265 - 310	33	424	128	27	0	17	0	105	266		0	1000	3121	288		
310 - 355	33	392	121	76	0	22	0	116	240		0	1000	3409	293		
355 - 410	45	432	71	75	0	5	0	149	223		0	1000	3442	299		
410 - 490	145	361	25	90	0	9	0	167	202		0	1000	3880	338		
490 - 605	206	204	16	248	0	2	0	188	136		0	1000	4684	396		
605 - 825	183	208	25	338	0	0	0	187	60		0	1000	6262	520		
825 - 1055	145	169	6	414	0	0	0	211	54		0	1000	2602	212		
1055 ABOVE	120	73	3	610	5	0	0	125	64		0	1000	2728	337		
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0		
ALL CLASSES	106	299	84	187	0	8	0	140	176		0	1000	37473	3338		
ESTD. HHS (00	3955	11194	3145	7017	14	313	0	5228	6608		0	37473	XX	0		
SAMPLE HHS	304	956	289	697	1	31	0	488	572		0	3338	XX	0		
ANDMAN&NICOBAR (27)												NO. OF SAMPLE BLOCKS :		40	URBAN	
LESS THA 160	1000	0	0	0	0	0	0	0	0		0	1000	2	2		
160 - 190	1000	0	0	0	0	0	0	0	0		0	1000	1	1		
190 - 230	213	0	787	0	0	0	0	0	0		0	1000	3	5		
230 - 265	0	0	0	0	0	0	0	1000	0		0	1000	1	1		
265 - 310	0	0	683	0	0	0	0	317	0		0	1000	5	9		
310 - 355	86	0	365	0	0	0	0	549	0		0	1000	6	10		
355 - 410	0	0	355	0	0	0	0	645	0		0	1000	10	19		
410 - 490	113	0	469	114	0	0	0	304	0		0	1000	20	35		
490 - 605	101	0	349	135	0	0	0	414	0		0	1000	24	44		
605 - 825	243	0	162	159	0	0	0	423	13		0	1000	42	73		
825 - 1055	244	0	28	232	0	0	0	496	0		0	1000	31	59		
1055 ABOVE	258	0	32	306	0	0	0	404	0		0	1000	59	141		
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0		
ALL CLASSES	204	0	189	185	0	0	0	420	3		0	1000	202	399		
ESTD. HHS (00	41	0	38	37	0	0	0	85	1		0	203	XX	0		
SAMPLE HHS	68	0	86	98	0	0	0	146	1		0	399	XX	0		

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994
TABLE(1U): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER		PRIMARY SOURCE OF ENERGY FOR COOKING										ESTIMATED		SAMPLE
CAPITA EXPEN												HOUSE		HOUSE
DITURE CLASS	NO	COKE	FIRE- GAS COAL	GOBAR	DUNG	CHAR-	KERO	OTHERS	NOT	ALL	HOLD	HOLD		
	COOKING	COAL	WOOD O, OIL OR	GAS	CAKE	COAL	SENE		REPORTED					
			& NATURAL											
			CHIPS GAS)											
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
CHANDIGARH (28)		NO. OF SAMPLE BLOCKS : 15										URBAN		
LESS THA 160	1000	0	0	0	0	0	0	0	0	0	0	1000	8	1
160 - 190	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190 - 230	0	0	502	0	0	0	0	498	0	0	0	1000	21	2
230 - 265	277	0	0	0	0	0	0	723	0	0	0	1000	38	4
265 - 310	0	0	272	29	0	0	0	700	0	0	0	1000	81	8
310 - 355	0	0	456	48	0	0	0	496	0	0	0	1000	48	6
355 - 410	0	0	69	0	0	0	0	931	0	0	0	1000	51	5
410 - 490	0	0	65	177	0	0	0	757	0	0	0	1000	180	18
490 - 605	0	13	0	602	0	57	0	328	0	0	0	1000	178	26
605 - 825	0	0	0	617	0	0	0	383	0	0	0	1000	246	23
825 - 1055	57	0	0	779	0	0	0	164	0	0	0	1000	62	7
1055 ABOVE	229	0	0	685	0	0	0	87	0	0	0	1000	477	50
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	94	2	50	482	0	7	0	364	0	0	0	1000	1390	150
ESTD. HHS (00	131	2	70	670	0	10	0	506	0	0	0	1390	XX	0
SAMPLE HHS	12	1	7	75	0	1	0	54	0	0	0	150	XX	0
DADRA & NAGAR HAVELI (29)		NO. OF SAMPLE BLOCKS : 8										URBAN		
LESS THA 160	0	0	1000	0	0	0	0	0	0	0	0	1000	0	2
160 - 190	0	0	1000	0	0	0	0	0	0	0	0	1000	2	8
190 - 230	0	0	1000	0	0	0	0	0	0	0	0	1000	2	7
230 - 265	0	0	1000	0	0	0	0	0	0	0	0	1000	1	3
265 - 310	0	0	421	0	0	0	0	579	0	0	0	1000	1	4
310 - 355	0	0	145	0	0	0	0	855	0	0	0	1000	1	4
355 - 410	0	0	217	200	0	0	0	582	0	0	0	1000	2	6
410 - 490	149	0	0	442	0	0	0	409	0	0	0	1000	2	9
490 - 605	197	0	0	459	0	0	0	344	0	0	0	1000	3	9
605 - 825	67	0	0	599	0	0	0	334	0	0	0	1000	4	14
825 - 1055	0	0	0	509	0	0	0	491	0	0	0	1000	1	3
1055 ABOVE	728	0	0	158	0	0	0	115	0	0	0	1000	2	9
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	114	0	278	286	0	0	0	322	0	0	0	1000	21	78
ESTD. HHS (00	2	0	6	6	0	0	0	7	0	0	0	21	XX	0
SAMPLE HHS	6	0	24	26	0	0	0	22	0	0	0	78	XX	0

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994
TABLE(1U): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR COOKING										ESTIMATED		SAMPLE HOUSE HOLD
	NO COOKING	COKE COAL	FIRE- WOOD	GAS O, OIL OR & NATURAL CHIPS GAS)	GOBAR GAS	DUNG CAKE	CHAR- COAL	KERO SENE	OTHERS	NOT REPORTED	ALL HOLD	HOUSE HOLD	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
<hr/>													
DAMAN & DIU (30)													
NO. OF SAMPLE BLOCKS :										8	URBAN		
LESS THA 160	0	0	0	0	0	0	0	0	0	0	0	0	0
160 - 190	0	0	0	0	0	0	0	0	0	0	0	0	0
190 - 230	0	0	0	0	0	0	0	0	0	0	0	0	0
230 - 265	0	0	203	0	0	0	0	797	0	0	1000	5	3
265 - 310	0	0	0	164	0	0	0	836	0	0	1000	7	7
310 - 355	0	0	0	817	0	0	0	183	0	0	1000	3	3
355 - 410	0	0	0	625	0	0	0	375	0	0	1000	13	13
410 - 490	0	0	0	642	0	0	0	358	0	0	1000	15	14
490 - 605	0	0	102	607	0	0	0	290	0	0	1000	13	14
605 - 825	0	0	0	415	0	0	0	585	0	0	1000	12	12
825 - 1055	553	0	0	405	0	0	0	42	0	0	1000	4	6
1055 ABOVE	0	0	377	532	0	0	0	91	0	0	1000	3	8
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	29	0	43	499	0	0	0	429	0	0	1000	74	80
ESTD. HHS (00	2	0	3	37	0	0	0	32	0	0	74	XX	0
SAMPLE HHS	1	0	4	45	0	0	0	30	0	0	80	XX	0
<hr/>													
DELHI (31)													
NO. OF SAMPLE BLOCKS :										111	URBAN		
LESS THA 160	0	0	0	123	0	157	0	720	0	0	1000	135	8
160 - 190	0	0	19	79	0	0	0	902	0	0	1000	268	10
190 - 230	0	0	82	0	0	41	0	877	0	0	1000	365	16
230 - 265	0	0	158	62	0	0	0	722	0	58	1000	331	13
265 - 310	75	0	12	239	0	0	0	668	0	5	1000	1027	36
310 - 355	0	0	42	281	0	15	0	662	0	0	1000	986	50
355 - 410	51	31	15	363	0	33	0	506	0	0	1000	1019	61
410 - 490	73	0	20	329	0	38	0	540	0	0	1000	1100	61
490 - 605	72	0	1	586	0	13	0	318	10	0	1000	1610	97
605 - 825	78	0	20	561	0	27	0	313	0	0	1000	3584	196
825 - 1055	115	0	31	576	0	23	0	239	16	0	1000	2950	158
1055 ABOVE	136	23	6	575	1	9	0	234	0	17	1000	4347	279
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	87	7	21	478	0	20	0	378	3	6	1000	17722	985
ESTD. HHS (00	1535	132	368	8467	3	350	0	6705	62	100	17722	XX	0
SAMPLE HHS	61	7	25	589	1	18	0	276	3	5	985	XX	0

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(1U): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

PRIMARY SOURCE OF ENERGY FOR COOKING												ESTIMATED		SAMPLE	
CAPITA EXPEN												HOUSE	HOUSE		
DITURE CLASS	NO	COKE	FIRE- GAS	COAL	GOBAR	DUNG	CHAR-	KERO	OTHERS	NOT	ALL	HOLD	HOLD		
	COOKING	COAL	WOOD	O, OIL OR	GAS	CAKE	COAL	SENE		REPORTED					
			&	NATURAL											
			CHIPS	GAS)											
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)		
LAKSHADWEEP (32)												NO. OF SAMPLE BLOCKS : 24		URBAN	
LESS THA 160	0	0	1000	0	0	0	0	0	0		0	1000	0	1	
160 - 190	0	0	1000	0	0	0	0	0	0		0	1000	1	4	
190 - 230	0	0	1000	0	0	0	0	0	0		0	1000	1	6	
230 - 265	0	0	1000	0	0	0	0	0	0		0	1000	2	13	
265 - 310	0	0	890	55	0	0	0	55	0		0	1000	3	18	
310 - 355	0	0	953	0	0	0	0	47	0		0	1000	4	27	
355 - 410	35	0	815	135	0	0	0	15	0		0	1000	4	26	
410 - 490	0	0	941	27	0	0	0	31	0		0	1000	5	35	
490 - 605	0	0	824	126	0	0	0	51	0		0	1000	6	40	
605 - 825	129	0	684	187	0	0	0	0	0		0	1000	5	33	
825 - 1055	0	0	492	202	0	0	0	195	111		0	1000	2	14	
1055 ABOVE	14	0	756	69	0	53	0	108	0		0	1000	2	23	
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0	
ALL CLASSES	23	0	832	90	0	3	0	45	7		0	1000	34	240	
ESTD. HHS (00	1	0	29	3	0	0	0	2	0		0	34	XX	0	
SAMPLE HHS	7	0	196	23	0	1	0	12	1		0	240	XX	0	
PONDICHERY (33)												NO. OF SAMPLE BLOCKS : 32		URBAN	
LESS THA 160	0	0	460	0	0	0	0	287	253		0	1000	29	10	
160 - 190	0	0	647	114	0	0	0	172	66		0	1000	37	15	
190 - 230	0	0	929	0	0	0	0	71	0		0	1000	102	24	
230 - 265	0	0	820	0	0	0	0	180	0		0	1000	54	20	
265 - 310	0	0	632	0	0	0	0	368	0		0	1000	102	32	
310 - 355	71	0	623	120	0	0	0	187	0		0	1000	129	40	
355 - 410	52	0	523	167	0	0	0	258	0		0	1000	118	30	
410 - 490	0	0	416	292	0	0	0	292	0		0	1000	110	34	
490 - 605	0	0	398	318	0	0	0	284	0		0	1000	120	41	
605 - 825	82	0	133	499	0	0	0	286	0		0	1000	84	30	
825 - 1055	166	0	191	532	0	0	0	111	0		0	1000	31	12	
1055 ABOVE	158	0	90	440	45	0	0	266	0		0	1000	54	32	
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0	
ALL CLASSES	37	0	514	198	3	0	0	239	10		0	1000	971	320	
ESTD. HHS (00	36	0	499	192	2	0	0	232	10		0	971	XX	0	
SAMPLE HHS	14	0	140	74	2	0	0	86	4		0	320	XX	0	

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(1U): PER 1000 DISTRIBUTION OF HOUSEHOLD BY PRIMARY SOURCE OF ENERGY FOR COOKING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER		PRIMARY SOURCE OF ENERGY FOR COOKING										ESTIMATED		SAMPLE
CAPITA	EXPEN											HOUSE	HOUSE	
DITURE CLASS	NO	COKE	FIRE-	GAS COAL	GOBAR	DUNG	CHAR-	KERO	OTHERS	NOT	ALL	HOLD	HOLD	
	COOKING	COAL	WOOD	O, OIL OR	GAS	CAKE	COAL	SENE		REPORTED				
			&	NATURAL										
			CHIPS	GAS)										
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
ALL INDIA				NO. OF SAMPLE BLOCKS : 4650								URBAN		
LESS THA 160	93	56	679	20	1	48	1	73	28		0	1000	16943	1502
160 - 190	31	68	657	22	0	40	0	143	36		1	1000	16427	1529
190 - 230	30	77	618	54	0	33	1	155	32		0	1000	32838	3175
230 - 265	22	83	533	80	0	47	5	198	32		1	1000	32777	3342
265 - 310	20	74	450	147	1	24	4	249	32		0	1000	41400	4331
310 - 355	14	83	360	207	2	30	3	271	29		1	1000	38440	3933
355 - 410	35	70	280	275	0	23	3	287	27		1	1000	42082	4365
410 - 490	49	63	215	328	2	17	3	296	27		0	1000	46760	4968
490 - 605	76	40	147	407	0	20	3	279	26		1	1000	48898	5163
605 - 825	98	39	93	494	2	13	2	241	18		1	1000	55095	5817
825 - 1055	133	22	49	537	0	10	0	230	17		0	1000	28582	2946
1055 ABOVE	164	15	33	605	2	6	0	159	12		4	1000	32360	5077
NOT RECORDED	0	0	0	0	0	0	0	0	0		0	0	0	0
ALL CLASSES	63	57	299	296	1	24	2	232	26		1	1000	432603	46148
ESTD. HHS (00	27134	24627	129175	128085	408	10175	1058	100495	11119		328	432603	XX	0
SAMPLE HHS	2030	2479	14144	15414	43	1005	144	9886	973		30	46148	XX	0

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE (2U) : PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR LIGHTING									ESTIMATED	SAMPLE
	NO LIGHTING	KERO- SENE	OTHER OIL	GAS	CANDLE	ELEC- TRICITY	OTHER	NOT RECORDED	ALL	HOUSE	HOUSE
									HOLD	HOLD	
										(00)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
ANDHRA PRADESH (02)					RURAL				NO. OF SAMPLE VILLAGES :	492	
LESS THAN 120	0	795	27	0	0	168	0	9	1000	3324	133
120 - 140	0	790	0	0	0	210	0	0	1000	3837	153
140 - 165	0	731	6	0	0	259	0	4	1000	7705	314
165 - 190	0	616	0	0	0	384	0	0	1000	11508	487
190 - 210	0	608	0	0	0	392	0	0	1000	9604	401
210 - 235	0	553	3	0	0	441	0	4	1000	11357	460
235 - 265	0	529	0	0	0	471	0	0	1000	12723	552
265 - 300	0	455	0	0	0	544	0	2	1000	11950	525
300 - 355	0	392	0	0	0	608	0	0	1000	12883	570
355 - 455	0	358	0	0	0	642	0	0	1000	10650	526
455 - 560	0	404	3	0	0	592	0	0	1000	7363	312
560 & ABOVE	0	151	0	0	3	845	0	0	1000	7378	475
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	0	505	2	0	0	492	0	1	1000	110281	4908
ESTD. HHS (00)	0	55636	192	4	24	54296	0	129	110281	XX	XX
SAMPLE HHS	0	2134	8	1	2	2758	0	5	4908	XX	XX
ARUNACHAL PRADESH(03)					RURAL				NO. OF SAMPLE VILLAGES :	120	
LESS THAN 120	953	19	0	0	0	27	0	0	1000	32	43
120 - 140	790	18	0	0	0	185	7	0	1000	37	20
140 - 165	422	150	0	0	0	415	13	0	1000	72	45
165 - 190	415	159	0	0	0	420	6	0	1000	84	55
190 - 210	516	209	2	5	0	267	0	0	1000	98	72
210 - 235	302	270	10	0	0	390	28	0	1000	143	104
235 - 265	312	199	3	0	0	394	93	0	1000	173	147
265 - 300	261	291	1	0	0	368	79	0	1000	152	124
300 - 355	158	181	0	0	0	617	36	8	1000	143	110
355 - 455	106	179	0	0	0	671	40	4	1000	121	106
455 - 560	14	482	21	0	0	483	0	0	1000	75	95
560 & ABOVE	0	286	24	0	0	690	0	0	1000	195	144
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	263	229	6	0	0	467	33	1	1000	1325	1065
ESTD. HHS (00)	349	303	9	1	0	619	44	2	1325	XX	XX
SAMPLE HHS	272	445	8	1	0	292	45	2	1065	XX	XX

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE (2U) : PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR LIGHTING									ESTIMATED	SAMPLE	
	NO LIGHTING	KERO- SENE	OTHER OIL	GAS	CANDLE	ELEC- TRICITY	OTHER	NOT RECORDED	ALL	HOUSE	HOUSE	
									HOLD	HOLD		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
ASSAM (04)												
LESS THAN 120	0	1000	0	0	0	0	0	0	0	1000	297	22
120 - 140	0	988	0	0	0	0	12	0	0	1000	678	62
140 - 165	0	956	0	0	0	29	0	15	0	1000	1789	160
165 - 190	0	963	2	0	0	34	0	0	0	1000	3712	290
190 - 210	0	919	0	0	4	77	0	0	0	1000	3521	298
210 - 235	0	913	0	0	2	85	0	0	0	1000	5085	429
235 - 265	0	885	1	0	0	111	0	2	0	1000	5420	464
265 - 300	0	857	0	0	0	143	0	0	0	1000	4939	425
300 - 355	0	750	0	0	0	247	1	3	0	1000	5042	485
355 - 455	0	656	1	0	0	337	6	0	0	1000	3592	374
455 - 560	0	521	64	0	0	416	0	0	0	1000	976	123
560 & ABOVE	0	492	19	0	0	489	0	0	0	1000	462	67
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	0	846	3	0	1	149	1	2	0	1000	35512	3199
ESTD. HHS (00)	0	30036	91	0	22	5276	34	53	0	35512	XX	XX
SAMPLE HHS	0	2579	5	0	2	607	3	3	0	3199	XX	XX
BIHAR (05)												
LESS THAN 120	1	942	0	0	0	13	44	0	0	1000	8267	447
120 - 140	0	981	0	1	0	12	6	0	0	1000	9681	505
140 - 165	1	973	1	0	0	19	5	1	0	1000	16738	886
165 - 190	1	961	1	0	0	36	1	0	0	1000	17341	921
190 - 210	6	959	0	0	0	35	0	0	0	1000	12265	669
210 - 235	1	923	2	0	0	71	1	2	0	1000	13402	745
235 - 265	3	926	2	0	0	66	3	0	0	1000	13179	746
265 - 300	2	913	0	0	0	85	0	0	0	1000	10657	616
300 - 355	0	887	2	0	0	112	0	0	0	1000	10626	623
355 - 455	0	789	0	0	0	211	0	0	0	1000	6517	450
455 - 560	0	783	2	0	0	215	0	0	0	1000	2667	200
560 & ABOVE	10	762	10	0	0	218	0	0	0	1000	2172	171
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	2	928	1	0	0	64	5	0	0	1000	123511	6979
ESTD. HHS (00)	216	114619	129	12	0	7921	574	39	0	123511	XX	XX
SAMPLE HHS	12	6355	8	1	0	557	43	3	0	6979	XX	XX

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE (2U) : PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER		PRIMARY SOURCE OF ENERGY FOR LIGHTING								ESTIMATED		SAMPLE
CAPITA	EXPEN									HOUSE	HOUSE	
DITURE	CLASS	NO	KERO-	OTHER	GAS	CANDLE	ELEC-	OTHER	NOT	ALL	HOLD	HOLD
		LIGHTING	SENE	OIL			TRICITY		RECORDED		(00)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
GOA	(06)	RURAL								NO. OF SAMPLE VILLAGES :		15
LESS THAN 120		0	0	0	0	0	1000	0	0	1000	9	1
120 - 140		0	0	0	0	0	1000	0	0	1000	18	2
140 - 165		0	0	0	0	0	1000	0	0	1000	10	1
165 - 190		0	0	0	0	0	1000	0	0	1000	18	2
190 - 210		0	0	0	0	0	1000	0	0	1000	27	3
210 - 235		0	0	0	0	0	864	136	0	1000	74	8
235 - 265		0	0	0	0	0	1000	0	0	1000	66	7
265 - 300		0	179	0	0	0	821	0	0	1000	59	6
300 - 355		0	77	0	0	0	923	0	0	1000	127	14
355 - 455		0	41	36	0	0	919	4	0	1000	280	32
455 - 560		0	0	0	0	0	1000	0	0	1000	170	20
560 & ABOVE		0	22	0	0	0	975	3	0	1000	367	50
NOT RECORDED		0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES		0	32	8	0	0	949	10	0	1000	1226	146
ESTD. HHS (00)		0	40	10	0	0	1163	13	0	1226	XX	XX
SAMPLE HHS		0	4	1	0	0	138	3	0	146	XX	XX
GUJRAT	(07)	RURAL								NO. OF SAMPLE VILLAGES :		223
LESS THAN 120		0	531	0	0	0	469	0	0	1000	620	24
120 - 140		0	702	0	0	0	298	0	0	1000	986	37
140 - 165		0	593	0	0	0	407	0	0	1000	2160	89
165 - 190		9	570	0	0	0	418	3	0	1000	3750	137
190 - 210		8	433	3	0	0	557	0	0	1000	3147	130
210 - 235		0	435	0	0	0	561	0	5	1000	4780	195
235 - 265		0	365	3	0	0	632	0	0	1000	5743	235
265 - 300		0	269	4	0	0	727	0	0	1000	6286	257
300 - 355		3	244	3	0	1	749	0	0	1000	7915	345
355 - 455		0	195	0	0	0	801	0	4	1000	8989	387
455 - 560		0	165	0	0	0	826	0	9	1000	3340	176
560 & ABOVE		0	131	10	0	0	853	6	0	1000	3842	207
NOT RECORDED		0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES		2	318	2	0	0	675	1	2	1000	51559	2219
ESTD. HHS (00)		80	16408	114	0	8	34827	34	89	51559	XX	XX
SAMPLE HHS		3	662	5	0	1	1543	2	3	2219	XX	XX

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE (2U) : PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR LIGHTING								ESTIMATED	SAMPLE	
	NO LIGHTING	KERO- SENE	OTHER OIL	GAS	CANDLE	ELEC- TRICITY	OTHER	NOT RECORDED	HOUSE	HOUSE	
									HOLD	HOLD	
									(00)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
HARYANA (08)											
					RURAL				NO. OF SAMPLE VILLAGES :	104	
LESS THAN 120	0	893	0	0	0	107	0	0	1000	263	11
120 - 140	0	253	0	0	0	747	0	0	1000	256	10
140 - 165	0	466	0	0	20	513	0	0	1000	848	33
165 - 190	0	469	0	0	0	531	0	0	1000	1187	47
190 - 210	0	366	0	0	18	597	20	0	1000	1321	54
210 - 235	0	243	0	16	0	742	0	0	1000	1975	81
235 - 265	0	395	0	0	0	574	17	14	1000	1837	72
265 - 300	0	300	0	0	20	680	0	0	1000	2287	102
300 - 355	0	144	0	0	6	850	0	0	1000	2885	126
355 - 455	0	120	0	0	0	856	10	15	1000	3615	177
455 - 560	0	127	0	0	18	855	1	0	1000	2486	124
560 & ABOVE	5	148	0	5	0	827	15	0	1000	3972	203
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	1	235	0	2	6	746	7	3	1000	22931	1040
ESTD. HHS (00)	21	5378	0	52	146	17102	153	79	22931	XX	XX
SAMPLE HHS	1	218	0	2	6	802	8	3	1040	XX	XX
HIMACHAL PRADESH (09)											
					RURAL				NO. OF SAMPLE VILLAGES :	189	
LESS THAN 120	0	440	0	0	0	560	0	0	1000	84	15
120 - 140	0	376	0	0	0	624	0	0	1000	79	16
140 - 165	0	236	0	0	0	764	0	0	1000	328	62
165 - 190	0	220	0	0	0	780	0	0	1000	410	78
190 - 210	7	133	0	0	0	846	14	0	1000	516	104
210 - 235	0	91	0	0	0	901	8	0	1000	841	167
235 - 265	0	95	0	0	0	895	4	6	1000	859	185
265 - 300	0	52	0	0	0	944	4	0	1000	994	215
300 - 355	0	81	0	0	0	914	6	0	1000	1292	277
355 - 455	0	45	0	0	0	950	5	0	1000	1564	327
455 - 560	5	20	7	10	0	958	0	0	1000	828	167
560 & ABOVE	0	13	0	0	0	987	0	0	1000	1331	262
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	1	79	1	1	0	914	4	1	1000	9126	1875
ESTD. HHS (00)	8	722	5	8	0	8341	37	5	9126	XX	XX
SAMPLE HHS	2	146	1	2	0	1713	10	1	1875	XX	XX

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE (2U) : PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR LIGHTING									ESTIMATED	SAMPLE
										HOUSE	HOUSE
	NO LIGHTING	KERO- SENE	OTHER OIL	GAS	CANDLE	ELEC- TRICITY	OTHER	NOT RECORDED	ALL	HOLD (00)	HOLD
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
JAMMU & KASHMIR (10)					RURAL				NO. OF SAMPLE VILLAGES :	82	
LESS THAN 120	0	638	0	0	0	0	362	0	1000	12	3
120 - 140	0	602	0	0	0	398	0	0	1000	28	7
140 - 165	0	870	0	0	0	68	62	0	1000	63	17
165 - 190	0	466	0	0	0	487	47	0	1000	93	24
190 - 210	0	231	0	0	0	769	0	0	1000	152	36
210 - 235	0	361	0	0	0	585	54	0	1000	201	55
235 - 265	0	222	0	0	0	765	12	0	1000	314	73
265 - 300	0	123	0	0	0	834	29	14	1000	376	86
300 - 355	0	120	0	7	0	862	11	0	1000	629	149
355 - 455	0	76	0	0	7	911	5	0	1000	734	172
455 - 560	0	16	0	0	0	984	0	0	1000	320	82
560 & ABOVE	0	61	0	0	3	936	0	0	1000	379	116
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	0	153	0	1	2	827	15	2	1000	3299	820
ESTD. HHS (00)	0	506	0	5	6	2728	49	5	3299	XX	XX
SAMPLE HHS	0	136	0	1	2	667	13	1	820	XX	XX
KARNATAKA (11)					RURAL				NO. OF SAMPLE VILLAGES :	263	
LESS THAN 120	0	728	10	0	0	262	0	0	1000	2423	100
120 - 140	0	630	7	0	0	363	0	0	1000	3021	117
140 - 165	0	634	0	0	0	366	0	0	1000	4147	160
165 - 190	3	507	6	0	0	483	0	0	1000	5951	239
190 - 210	0	498	0	0	0	497	0	5	1000	5081	200
210 - 235	0	491	0	0	0	509	0	0	1000	5498	232
235 - 265	0	496	0	0	0	500	0	4	1000	6331	282
265 - 300	0	392	0	0	0	605	0	3	1000	6080	273
300 - 355	4	340	0	0	0	652	0	4	1000	6341	312
355 - 455	6	363	0	0	0	621	0	11	1000	6740	332
455 - 560	0	239	0	0	0	761	0	0	1000	2970	171
560 & ABOVE	0	172	0	0	0	828	0	0	1000	3143	199
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	2	449	1	0	0	545	0	3	1000	57725	2617
ESTD. HHS (00)	86	25912	82	0	0	31474	0	170	57725	XX	XX
SAMPLE HHS	3	1042	3	0	0	1562	0	7	2617	XX	XX

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE (2U) : PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR LIGHTING									ESTIMATED	SAMPLE
										HOUSE	HOUSE
	NO LIGHTING	KERO- SENE	OTHER OIL	GAS	CANDLE	ELEC- TRICITY	OTHER	NOT RECORDED	ALL	HOLD HOLD	(00)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
KERALA (12)	RURAL				NO. OF SAMPLE VILLAGES :				256		
LESS THAN 120	0	642	0	0	0	358	0	0	1000	358	22
120 - 140	0	688	0	0	0	312	0	0	1000	547	33
140 - 165	0	750	0	0	0	250	0	0	1000	1051	64
165 - 190	0	667	0	0	0	333	0	0	1000	1486	89
190 - 210	0	703	0	0	0	297	0	0	1000	1779	104
210 - 235	9	536	0	0	0	455	0	0	1000	2423	137
235 - 265	0	544	0	0	0	456	0	0	1000	2874	177
265 - 300	0	550	0	0	0	450	0	0	1000	3950	232
300 - 355	0	465	3	0	0	532	0	0	1000	6061	363
355 - 455	1	384	0	0	0	616	0	0	1000	7728	482
455 - 560	0	274	0	0	0	726	0	0	1000	3909	259
560 & ABOVE	0	203	0	3	0	794	0	0	1000	6820	593
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	1	434	0	1	0	565	0	0	1000	38986	2555
ESTD. HHS (00)	27	16908	18	23	0	22010	1	0	38986	XX	XX
SAMPLE HHS	2	975	1	1	0	1575	1	0	2555	XX	XX
MADHYA PRADESH (13)	RURAL				NO. OF SAMPLE VILLAGES :				533		
LESS THAN 120	23	654	10	0	0	308	0	5	1000	6130	317
120 - 140	9	670	0	0	0	321	0	0	1000	6580	333
140 - 165	0	669	4	1	0	323	0	3	1000	9520	483
165 - 190	1	600	8	0	2	389	0	0	1000	12085	635
190 - 210	0	589	0	0	0	410	0	2	1000	8500	444
210 - 235	0	590	3	0	0	404	2	0	1000	9692	521
235 - 265	2	528	9	0	0	459	2	0	1000	9276	503
265 - 300	0	491	2	0	0	506	0	0	1000	8518	461
300 - 355	2	440	4	0	0	553	0	0	1000	8976	518
355 - 455	2	416	8	0	0	574	0	0	1000	8311	527
455 - 560	0	305	3	0	0	692	0	0	1000	4193	268
560 & ABOVE	4	308	11	2	0	675	0	0	1000	3821	303
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	3	541	5	0	0	449	0	1	1000	95602	5313
ESTD. HHS (00)	290	51697	497	20	21	42959	40	78	95602	XX	XX
SAMPLE HHS	17	2634	29	2	1	2621	3	6	5313	XX	XX

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE (2U) : PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN- DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR LIGHTING								ESTIMATED	SAMPLE	
	NO LIGHTING	KERO- SENE	OTHER OIL	GAS	CANDLE	ELEC- TRICITY	OTHER	NOT RECORDED	HOUSE	HOUSE	
									HOLD	HOLD	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
<hr/>											
MAHARASHTRA (14)				RURAL				NO. OF SAMPLE VILLAGES :	445		
LESS THAN 120	0	752	0	0	0	248	0	0	1000	6058	245
120 - 140	0	698	0	0	0	302	0	0	1000	4685	201
140 - 165	0	603	0	0	0	397	0	0	1000	9396	389
165 - 190	0	582	5	0	2	408	0	3	1000	10521	442
190 - 210	0	463	0	0	0	537	0	0	1000	7039	310
210 - 235	0	436	0	2	0	562	0	0	1000	8581	380
235 - 265	0	357	2	0	0	637	0	3	1000	9711	433
265 - 300	0	319	0	0	0	681	0	0	1000	8619	388
300 - 355	6	297	0	0	0	698	0	0	1000	10306	502
355 - 455	2	200	0	0	0	798	0	0	1000	9155	476
455 - 560	3	161	0	1	0	835	0	0	1000	4730	281
560 & ABOVE	0	114	0	0	0	884	0	3	1000	6774	393
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0
<hr/>											
ALL CLASSES	1	411	1	0	0	586	0	1	1000	95575	4440
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ESTD. HHS (00)	89	39248	70	24	19	56040	0	85	95575	XX	XX
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SAMPLE HHS	4	1615	3	2	2	2811	0	3	4440	XX	XX
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MANIPUR (15)				RURAL				NO. OF SAMPLE VILLAGES :	100		
LESS THAN 120	0	1000	0	0	0	0	0	0	1000	3	2
120 - 140	0	1000	0	0	0	0	0	0	1000	0	1
140 - 165	0	734	0	0	0	266	0	0	1000	23	10
165 - 190	0	729	0	0	0	271	0	0	1000	39	23
190 - 210	0	574	0	0	0	426	0	0	1000	123	63
210 - 235	0	587	0	0	0	413	0	0	1000	210	99
235 - 265	0	448	0	0	0	552	0	0	1000	382	164
265 - 300	0	342	0	0	0	658	0	0	1000	368	170
300 - 355	0	286	0	0	0	711	3	0	1000	425	203
355 - 455	0	380	4	0	0	616	0	0	1000	383	195
455 - 560	0	231	0	0	0	724	0	45	1000	67	41
560 & ABOVE	0	524	0	0	0	476	0	0	1000	52	29
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0
<hr/>											
ALL CLASSES	0	409	1	0	0	588	1	1	1000	2075	1000
<hr/>											
ESTD. HHS (00)	0	849	2	0	0	1220	1	3	2075	XX	XX
<hr/>											
SAMPLE HHS	0	422	1	0	0	575	1	1	1000	XX	XX

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE (2U) : PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR LIGHTING									ESTIMATED HOUSE HOUSE	
	NO	KERO- SENE	OTHER OIL	GAS	CANDLE	ELEC- TRICITY	OTHER	NOT RECORDED	ALL	HOLD	HOLD
	LIGHTING									(00)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
<hr/>											
MEGHALAYA (16)	RURAL									NO. OF SAMPLE VILLAGES : 112	
LESS THAN 120	0	973	0	0	0	27	0	0	1000	16	5
120 - 140	0	1000	0	0	0	0	0	0	1000	8	4
140 - 165	0	925	0	0	0	75	0	0	1000	27	11
165 - 190	0	982	0	0	0	18	0	0	1000	112	40
190 - 210	0	928	0	0	0	72	0	0	1000	182	64
210 - 235	0	944	0	0	0	56	0	0	1000	265	92
235 - 265	0	935	0	0	0	65	0	0	1000	309	119
265 - 300	0	802	0	0	0	198	0	0	1000	368	131
300 - 355	0	581	1	5	0	414	0	0	1000	443	184
355 - 455	0	472	6	0	0	522	0	0	1000	641	252
455 - 560	0	498	0	0	0	502	0	0	1000	232	106
560 & ABOVE	0	319	0	0	0	669	13	0	1000	229	109
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	0	675	1	1	0	322	1	0	1000	2834	1117
ESTD. HHS (00)	0	1912	4	2	0	913	3	0	2834	XX	XX
SAMPLE HHS	0	699	2	1	0	414	1	0	1117	XX	XX
<hr/>											
MIZORAM (17)	RURAL									NO. OF SAMPLE VILLAGES : 47	
LESS THAN 120	0	0	0	0	0	0	0	0	0	0	0
120 - 140	0	0	0	0	0	0	0	0	0	0	0
140 - 165	0	1000	0	0	0	0	0	0	1000	2	1
165 - 190	0	1000	0	0	0	0	0	0	1000	12	7
190 - 210	0	1000	0	0	0	0	0	0	1000	8	5
210 - 235	0	929	0	0	0	71	0	0	1000	20	12
235 - 265	0	809	0	0	0	191	0	0	1000	31	22
265 - 300	0	540	0	0	0	460	0	0	1000	68	48
300 - 355	0	588	0	0	0	395	17	0	1000	125	81
355 - 455	6	511	0	0	0	473	11	0	1000	232	151
455 - 560	0	463	0	0	0	524	12	0	1000	114	79
560 & ABOVE	0	382	3	0	0	533	83	0	1000	87	64
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	2	544	0	0	0	435	19	0	1000	697	470
ESTD. HHS (00)	1	379	0	0	0	303	13	0	697	XX	XX
SAMPLE HHS	1	236	1	0	0	223	9	0	470	XX	XX

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE (2U) : PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR LIGHTING									ESTIMATED	SAMPLE
	NO LIGHTING	KERO- SENE	OTHER OIL	GAS	CANDLE	ELEC- TRICITY	OTHER	NOT RECORDED	ALL	HOUSE	HOUSE
										HOLD	HOLD
										(00)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
NAGALAND (18)					RURAL				NO. OF SAMPLE VILLAGES :	46	
LESS THAN 120	0	0	0	0	0	0	0	0	0	0	0
120 - 140	0	0	0	0	0	0	0	0	0	0	0
140 - 165	0	0	0	0	0	0	0	0	0	0	0
165 - 190	0	0	0	0	0	0	0	0	0	0	0
190 - 210	0	668	0	0	0	332	0	0	1000	4	3
210 - 235	0	768	0	0	0	232	0	0	1000	6	5
235 - 265	0	898	0	0	0	102	0	0	1000	10	8
265 - 300	0	337	0	0	0	663	0	0	1000	38	24
300 - 355	0	296	0	0	0	704	0	0	1000	106	61
355 - 455	0	183	0	0	0	817	0	0	1000	240	147
455 - 560	0	95	0	0	0	905	0	0	1000	177	107
560 & ABOVE	0	61	0	14	0	925	0	0	1000	156	105
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	0	178	0	3	0	819	0	0	1000	737	460
ESTD. HHS (00)	0	131	0	2	0	604	0	0	737	XX	XX
SAMPLE HHS	0	80	0	1	0	379	0	0	460	XX	XX
ORISSA (19)					RURAL				NO. OF SAMPLE VILLAGES :	335	
LESS THAN 120	9	984	0	0	0	7	0	0	1000	4814	249
120 - 140	0	952	5	0	0	43	0	0	1000	4887	255
140 - 165	2	937	0	2	0	55	4	0	1000	8288	416
165 - 190	0	932	4	0	0	64	0	0	1000	7796	403
190 - 210	0	871	0	0	0	129	0	0	1000	6755	347
210 - 235	0	841	0	0	0	159	0	0	1000	6394	355
235 - 265	4	859	0	0	0	136	0	0	1000	5197	303
265 - 300	0	830	0	4	0	166	0	0	1000	4275	249
300 - 355	1	704	3	0	0	284	6	0	1000	4688	282
355 - 455	0	662	0	0	0	331	8	0	1000	3398	235
455 - 560	0	500	0	0	0	500	0	0	1000	1318	111
560 & ABOVE	16	359	0	0	1	622	2	0	1000	1739	133
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	2	849	1	1	0	146	2	0	1000	59547	3338
ESTD. HHS (00)	118	50530	75	32	1	8702	89	0	59547	XX	XX
SAMPLE HHS	7	2608	3	2	1	713	4	0	3338	XX	XX

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE (2U) : PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR LIGHTING								ESTIMATED		SAMPLE	
									HOUSE	HOUSE		
	NO LIGHTING	KERO- SENE	OTHER OIL	GAS	CANDLE	ELEC- TRICITY	OTHER	NOT RECORDED	ALL	HOLD (00)	HOLD	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
PUNJAB (20)				RURAL				NO. OF SAMPLE VILLAGES :				205
LESS THAN 120	0	1000	0	0	0	0	0	0	1000	24	2	
120 - 140	0	420	0	0	0	580	0	0	1000	74	7	
140 - 165	0	314	0	0	0	686	0	0	1000	335	23	
165 - 190	0	267	0	0	52	681	0	0	1000	531	37	
190 - 210	0	88	0	0	0	912	0	0	1000	493	39	
210 - 235	0	263	0	0	23	713	0	0	1000	1230	88	
235 - 265	0	202	13	0	7	778	0	0	1000	2052	143	
265 - 300	0	178	0	0	16	806	0	0	1000	2777	187	
300 - 355	0	81	0	0	6	913	0	0	1000	3680	280	
355 - 455	4	76	0	2	2	912	3	0	1000	5924	448	
455 - 560	5	49	10	1	0	936	0	0	1000	3217	281	
560 & ABOVE	1	60	3	1	19	908	7	1	1000	5148	511	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	
ALL CLASSES	2	110	3	1	10	873	2	0	1000	25486	2046	
ESTD. HHS (00)	44	2796	75	20	248	22246	54	3	25486	XX	XX	
SAMPLE HHS	4	181	5	3	18	1831	3	1	2046	XX	XX	
RAJASTHAN (21)				RURAL				NO. OF SAMPLE VILLAGES :				312
LESS THAN 120	0	780	0	0	0	220	0	0	1000	722	31	
120 - 140	0	857	21	0	0	122	0	0	1000	1315	58	
140 - 165	0	847	0	0	0	153	0	0	1000	2373	108	
165 - 190	0	786	10	0	0	204	0	0	1000	3708	178	
190 - 210	0	718	13	0	0	269	0	0	1000	3965	195	
210 - 235	0	698	5	0	0	295	2	0	1000	5316	266	
235 - 265	4	596	5	0	0	396	0	0	1000	6109	321	
265 - 300	0	617	17	0	0	366	0	0	1000	6135	344	
300 - 355	2	484	8	0	0	506	0	0	1000	8377	465	
355 - 455	3	487	5	0	0	502	0	3	1000	9687	542	
455 - 560	3	472	0	0	2	523	0	0	1000	5196	288	
560 & ABOVE	0	348	5	0	0	646	0	0	1000	4897	301	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	
ALL CLASSES	1	580	8	0	0	410	0	1	1000	57798	3097	
ESTD. HHS (00)	81	33517	434	2	9	23717	9	29	57798	XX	XX	
SAMPLE HHS	4	1683	22	1	1	1384	1	1	3097	XX	XX	

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE (2U) : PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR LIGHTING								ESTIMATED		SAMPLE
	NO LIGHTING	KERO- SENE	OTHER OIL	GAS	CANDLE	ELEC- TRICITY	OTHER	NOT RECORDED	HOUSE	HOUSE	
									HOLD	HOLD	
									(00)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
<hr/>											
SIKKIM (22)					RURAL				NO. OF SAMPLE VILLAGES :	48	
LESS THAN 120	0	0	0	0	0	0	0	0	0	0	0
120 - 140	0	394	0	0	0	606	0	0	1000	6	4
140 - 165	0	413	0	0	0	587	0	0	1000	23	15
165 - 190	0	278	0	0	0	722	0	0	1000	36	23
190 - 210	0	332	0	0	0	668	0	0	1000	48	27
210 - 235	0	292	0	0	0	708	0	0	1000	61	40
235 - 265	12	169	0	0	0	819	0	0	1000	94	62
265 - 300	0	129	0	0	0	848	0	23	1000	117	74
300 - 355	17	195	0	0	0	731	0	56	1000	98	70
355 - 455	0	35	0	0	0	933	0	32	1000	86	66
455 - 560	0	25	0	0	0	921	0	54	1000	51	39
560 & ABOVE	0	18	0	0	0	966	16	0	1000	80	60
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0
<hr/>											
ALL CLASSES	4	159	0	0	0	816	2	20	1000	699	480
<hr/>											
ESTD. HHS (00)	3	111	0	0	0	570	1	14	699	XX	XX
<hr/>											
SAMPLE HHS	2	65	0	0	0	407	1	5	480	XX	XX
<hr/>											
TAMILNADU (23)					RURAL				NO. OF SAMPLE VILLAGES :	391	
LESS THAN 120	0	623	0	0	0	377	0	0	1000	4195	152
120 - 140	0	605	0	0	0	395	0	0	1000	3669	146
140 - 165	0	530	0	0	0	470	0	0	1000	6334	249
165 - 190	0	609	0	0	0	389	3	0	1000	8960	350
190 - 210	0	473	0	0	0	527	0	0	1000	6957	271
210 - 235	7	494	0	0	0	499	0	0	1000	9138	377
235 - 265	0	524	0	2	0	474	0	0	1000	9656	398
265 - 300	2	453	0	0	0	545	0	0	1000	9217	393
300 - 355	0	463	0	1	0	531	5	0	1000	9956	437
355 - 455	3	347	0	4	0	646	0	0	1000	9366	457
455 - 560	0	267	0	0	0	733	0	0	1000	5398	275
560 & ABOVE	0	136	0	0	0	864	0	0	1000	6528	396
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0
<hr/>											
ALL CLASSES	1	457	0	1	0	540	1	0	1000	89374	3901
<hr/>											
ESTD. HHS (00)	120	40867	0	57	0	48259	70	2	89375	XX	XX
<hr/>											
SAMPLE HHS	4	1598	0	3	0	2293	2	1	3901	XX	XX

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE (2U) : PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR LIGHTING									ESTIMATED	SAMPLE
										HOUSE	HOUSE
	NO LIGHTING	KERO- SENE	OTHER OIL	GAS	CANDLE	ELEC- TRICITY	OTHER	NOT RECORDED	ALL	HOLD (00)	HOLD
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
TRIPURA (24)											
LESS THAN 120	0	1000	0	0	0	0	0	0	1000	39	12
120 - 140	0	945	0	0	0	55	0	0	1000	83	23
140 - 165	0	753	17	0	0	231	0	0	1000	173	48
165 - 190	0	814	0	0	0	186	0	0	1000	275	76
190 - 210	0	887	0	0	0	113	0	0	1000	215	69
210 - 235	0	761	0	0	0	239	0	0	1000	304	101
235 - 265	0	709	0	0	0	287	0	4	1000	458	143
265 - 300	0	656	0	0	0	344	0	0	1000	488	154
300 - 355	0	602	4	4	4	386	0	0	1000	891	277
355 - 455	3	483	0	3	0	510	0	1	1000	941	279
455 - 560	0	349	0	0	0	651	0	0	1000	650	172
560 & ABOVE	0	241	0	2	0	757	0	0	1000	490	176
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	1	574	1	2	1	421	0	1	1000	5008	1530
ESTD. HHS (00)	3	2873	7	8	4	2110	0	3	5008	XX	XX
SAMPLE HHS	1	887	2	3	1	634	0	2	1530	XX	XX
UTTAR PRADESH (25)											
LESS THAN 120	2	952	7	0	0	39	0	0	1000	9166	357
120 - 140	0	955	6	0	0	35	4	0	1000	11431	461
140 - 165	0	914	7	0	3	76	0	0	1000	18361	744
165 - 190	0	895	4	1	3	96	0	0	1000	19612	807
190 - 210	0	858	15	0	2	122	3	0	1000	16304	665
210 - 235	5	841	13	0	3	136	2	0	1000	18863	808
235 - 265	3	808	9	2	3	176	0	0	1000	20077	916
265 - 300	2	789	4	0	2	203	0	0	1000	19195	884
300 - 355	1	756	10	0	0	231	1	0	1000	21228	1005
355 - 455	1	717	5	0	0	275	2	0	1000	20936	1046
455 - 560	3	654	13	0	0	327	0	2	1000	11150	566
560 & ABOVE	0	614	6	0	0	379	1	0	1000	13598	751
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	2	810	8	0	1	177	1	0	1000	199920	9010
ESTD. HHS (00)	300	161894	1646	62	292	35483	217	26	199920	XX	XX
SAMPLE HHS	11	6907	77	4	10	1990	10	1	9010	XX	XX

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE (2U) : PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR LIGHTING								ESTIMATED	SAMPLE		
									HOUSE	HOUSE		
	NO LIGHTING	KERO- SENE	OTHER OIL	GAS	CANDLE	ELEC- TRICITY	OTHER	NOT RECORDED	ALL HOLD	HOLD		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
WEST BENGAL (26)	RURAL								NO. OF SAMPLE VILLAGES :		448	
LESS THAN 120	0	1000	0	0	0	0	0	0	1000	2273	85	
120 - 140	0	977	0	0	0	23	0	0	1000	2385	93	
140 - 165	0	980	3	0	0	17	0	0	1000	7083	276	
165 - 190	0	967	5	0	2	26	0	0	1000	10693	433	
190 - 210	0	961	0	0	0	36	3	0	1000	9864	406	
210 - 235	0	937	5	0	0	58	0	0	1000	10896	449	
235 - 265	0	947	2	0	0	51	0	0	1000	13487	577	
265 - 300	0	877	0	0	0	120	3	0	1000	11673	491	
300 - 355	0	859	0	0	0	141	0	0	1000	12095	570	
355 - 455	0	781	3	0	2	211	3	0	1000	10141	524	
455 - 560	0	657	0	0	0	335	8	0	1000	4430	258	
560 & ABOVE	26	467	0	1	7	486	9	5	1000	4819	318	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	
ALL CLASSES	1	882	2	0	1	112	2	0	1000	99838	4480	
ESTD. HHS (00)	125	88056	193	4	79	11185	173	23	99838	XX	XX	
SAMPLE HHS	3	3753	7	1	3	706	6	1	4480	XX	XX	
ANDMAN&NICOBAR (27)	RURAL								NO. OF SAMPLE VILLAGES :		50	
LESS THAN 120	0	0	0	0	0	0	0	0	0	0	0	
120 - 140	0	0	0	0	0	0	0	0	0	0	0	
140 - 165	0	0	0	0	0	0	0	0	0	0	0	
165 - 190	0	232	0	0	0	768	0	0	1000	6	4	
190 - 210	0	488	266	0	0	246	0	0	1000	3	4	
210 - 235	0	179	0	0	0	821	0	0	1000	10	8	
235 - 265	0	323	158	0	45	474	0	0	1000	19	22	
265 - 300	0	297	285	0	0	418	0	0	1000	19	21	
300 - 355	0	216	222	0	0	561	0	0	1000	57	60	
355 - 455	0	250	120	0	0	631	0	0	1000	94	102	
455 - 560	0	178	88	0	0	734	0	0	1000	65	77	
560 & ABOVE	0	120	28	0	0	852	0	0	1000	169	202	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	
ALL CLASSES	0	190	99	0	2	709	0	0	1000	441	500	
ESTD. HHS (00)	0	84	44	0	1	313	0	0	441	XX	XX	
SAMPLE HHS	0	81	56	0	1	362	0	0	500	XX	XX	

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE (2U) : PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR LIGHTING									ESTIMATED	SAMPLE	
										HOUSE	HOUSE	
	NO LIGHTING	KERO- SENE	OTHER OIL	GAS	CANDLE	ELEC- TRICITY	OTHER	NOT RECORDED	ALL	HOLD HOLD (00)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
CHANDIGARH (28)	RURAL									NO. OF SAMPLE VILLAGES :		8
LESS THAN 120	0	0	0	0	0	0	0	0	0	0	0	
120 - 140	0	0	0	0	0	0	0	0	0	0	0	
140 - 165	0	0	0	0	0	0	0	0	0	0	0	
165 - 190	0	0	0	0	0	0	0	0	0	0	0	
190 - 210	0	0	0	0	0	1000	0	0	1000	2	1	
210 - 235	0	334	0	0	0	666	0	0	1000	8	3	
235 - 265	0	138	0	0	0	862	0	0	1000	7	4	
265 - 300	0	0	0	0	0	1000	0	0	1000	14	5	
300 - 355	0	249	0	0	0	751	0	0	1000	26	11	
355 - 455	0	236	0	0	0	764	0	0	1000	40	17	
455 - 560	0	599	0	0	0	401	0	0	1000	22	9	
560 & ABOVE	0	237	0	0	0	763	0	0	1000	78	30	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	
ALL CLASSES	0	260	0	0	0	740	0	0	1000	197	80	
ESTD. HHS (00)	0	51	0	0	0	145	0	0	197	XX	XX	
SAMPLE HHS	0	23	0	0	0	57	0	0	80	XX	XX	
DAD.&NAG.HAVELI (29)	RURAL									NO. OF SAMPLE VILLAGES :		24
LESS THAN 120	0	534	0	0	0	466	0	0	1000	9	7	
120 - 140	0	337	0	0	0	663	0	0	1000	20	20	
140 - 165	0	396	0	0	0	604	0	0	1000	29	26	
165 - 190	0	380	0	0	0	621	0	0	1000	43	37	
190 - 210	0	479	0	0	0	521	0	0	1000	20	20	
210 - 235	0	331	0	0	0	669	0	0	1000	25	23	
235 - 265	0	378	0	0	0	622	0	0	1000	13	18	
265 - 300	0	89	0	0	0	911	0	0	1000	11	14	
300 - 355	0	476	0	0	0	524	0	0	1000	18	21	
355 - 455	0	243	0	0	0	757	0	0	1000	23	27	
455 - 560	0	273	0	0	0	727	0	0	1000	8	11	
560 & ABOVE	0	169	0	0	0	831	0	0	1000	16	16	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	
ALL CLASSES	0	349	0	0	0	651	0	0	1000	236	240	
ESTD. HHS (00)	0	82	0	0	0	153	0	0	236	XX	XX	
SAMPLE HHS	0	75	0	0	0	165	0	0	240	XX	XX	

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE (2U) : PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR LIGHTING									ESTIMATED	SAMPLE	
										HOUSE	HOUSE	
	NO LIGHTING	KERO- SENE	OTHER OIL	GAS	CANDLE	ELEC- TRICITY	OTHER	NOT RECORDED	ALL	HOLD HOLD (00)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
DAMAN & DIU (30)	RURAL									NO. OF SAMPLE VILLAGES :		8
LESS THAN 120	0	0	0	0	0	0	0	0	0	0	0	
120 - 140	0	0	0	0	0	0	1000	0	0	1000	1	1
140 - 165	0	0	0	0	0	0	1000	0	0	1000	1	1
165 - 190	0	0	0	0	0	0	1000	0	0	1000	1	1
190 - 210	0	0	0	0	0	0	1000	0	0	1000	3	2
210 - 235	0	0	0	0	0	0	1000	0	0	1000	1	1
235 - 265	0	0	0	0	0	0	1000	0	0	1000	5	3
265 - 300	0	0	0	0	0	0	1000	0	0	1000	4	2
300 - 355	0	0	0	0	0	0	1000	0	0	1000	11	8
355 - 455	0	26	0	0	0	0	974	0	0	1000	30	23
455 - 560	0	144	0	0	0	0	856	0	0	1000	15	11
560 & ABOVE	0	46	0	0	0	0	954	0	0	1000	35	27
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	0	42	0	0	0	0	958	0	0	1000	107	80
ESTD. HHS (00)	0	4	0	0	0	0	103	0	0	107	XX	XX
SAMPLE HHS	0	3	0	0	0	0	77	0	0	80	XX	XX
DELHI (31)	RURAL									NO. OF SAMPLE VILLAGES :		7
LESS THAN 120	0	0	0	0	0	0	0	0	0	0	0	0
120 - 140	0	0	0	0	0	0	0	0	0	0	0	0
140 - 165	0	0	0	0	0	0	0	0	0	0	0	0
165 - 190	0	0	0	0	0	0	0	0	0	0	0	0
190 - 210	0	0	0	0	0	0	0	0	0	0	0	0
210 - 235	0	0	0	0	0	0	1000	0	0	1000	43	1
235 - 265	0	0	0	0	0	0	1000	0	0	1000	163	3
265 - 300	0	0	0	0	0	0	1000	0	0	1000	86	2
300 - 355	0	0	0	0	0	0	1000	0	0	1000	43	1
355 - 455	0	0	0	0	0	0	1000	0	0	1000	252	8
455 - 560	149	0	0	0	0	0	851	0	0	1000	403	10
560 & ABOVE	0	41	0	31	0	0	928	0	0	1000	1375	36
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	25	24	0	18	0	0	933	0	0	1000	2365	61
ESTD. HHS (00)	60	57	0	43	0	0	2206	0	0	2365	XX	XX
SAMPLE HHS	1	1	0	1	0	0	58	0	0	61	XX	XX

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE (2U) : PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR LIGHTING									ESTIMATED	SAMPLE
	NO LIGHTING	KERO- SENE	OTHER OIL	GAS	CANDLE	ELEC- TRICITY	OTHER	NOT RECORDED	ALL	HOUSE	HOUSE
										HOLD	HOLD
										(00)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
LAKSHADWEEP (32)					RURAL				NO. OF SAMPLE VILLAGES :	7	
LESS THAN 120	0	0	0	0	0	0	0	0	0	0	0
120 - 140	0	0	0	0	0	0	0	0	0	0	0
140 - 165	0	0	0	0	0	0	0	0	0	0	0
165 - 190	0	0	0	0	0	0	0	0	0	0	0
190 - 210	0	0	0	0	0	0	0	0	0	0	0
210 - 235	0	0	0	0	0	0	0	0	0	0	0
235 - 265	0	0	0	0	0	1000	0	0	1000	1	1
265 - 300	0	0	0	0	0	1000	0	0	1000	4	8
300 - 355	0	0	0	0	0	1000	0	0	1000	5	9
355 - 455	0	0	0	0	0	1000	0	0	1000	6	12
455 - 560	0	0	0	0	0	1000	0	0	1000	5	9
560 & ABOVE	0	0	0	0	0	1000	0	0	1000	15	31
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	0	0	0	0	0	1000	0	0	1000	35	70
ESTD. HHS (00)	0	0	0	0	0	35	0	0	35	XX	XX
SAMPLE HHS	0	0	0	0	0	70	0	0	70	XX	XX
PONDICHERY (33)					RURAL				NO. OF SAMPLE VILLAGES :	7	
LESS THAN 120	0	1000	0	0	0	0	0	0	1000	11	1
120 - 140	0	0	0	0	0	0	0	0	0	0	0
140 - 165	0	1000	0	0	0	0	0	0	1000	11	1
165 - 190	0	285	0	0	0	715	0	0	1000	52	4
190 - 210	0	498	0	0	0	502	0	0	1000	51	4
210 - 235	0	924	0	0	0	76	0	0	1000	75	7
235 - 265	0	577	0	0	0	423	0	0	1000	77	6
265 - 300	0	622	0	0	0	378	0	0	1000	52	6
300 - 355	0	814	0	0	0	186	0	0	1000	97	9
355 - 455	0	218	0	0	0	782	0	0	1000	44	8
455 - 560	0	528	0	0	0	472	0	0	1000	58	8
560 & ABOVE	0	112	0	0	0	888	0	0	1000	86	16
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	0	550	0	0	0	450	0	0	1000	614	70
ESTD. HHS (00)	0	338	0	0	0	277	0	0	614	XX	XX
SAMPLE HHS	0	29	0	0	0	41	0	0	70	XX	XX

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE (2U) : PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR LIGHTING									ESTIMATED	SAMPLE	
										HOUSE	HOUSE	
	NO LIGHTING	KERO- SENE	OTHER OIL	GAS	CANDLE	ELEC- TRICITY	OTHER	NOT RECORDED	ALL	HOLD	HOLD	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
ALL INDIA												
LESS THAN 120	5	832	5	0	0	149	7	1	1000	49148	2286	
120 - 140	2	835	3	0	0	159	2	0	1000	54314	2569	
140 - 165	1	806	3	0	1	187	1	1	1000	96888	4632	
165 - 190	1	764	3	0	1	230	0	0	1000	120021	5869	
190 - 210	2	723	3	0	1	270	1	0	1000	98049	5010	
210 - 235	2	686	4	0	1	305	1	1	1000	116915	6249	
235 - 265	2	657	3	0	1	335	1	1	1000	126654	7109	
265 - 300	1	598	2	0	1	397	1	0	1000	119776	6917	
300 - 355	1	536	3	0	0	458	1	0	1000	135595	8428	
355 - 455	2	453	2	0	0	540	2	1	1000	130456	8907	
455 - 560	2	386	4	0	1	605	1	1	1000	66603	4736	
560 & ABOVE	3	281	3	1	2	707	2	1	1000	80251	6494	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	2	621	3	0	1	371	1	1	1000	1194669	69206	
ESTD. HHS (00)	2021	741945	3697	380	880	443299	1610	838	1194669	XX	XX	
SAMPLE HHS	354	38276	248	33	51	30025	169	50	69206	XX	XX	

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(2U): PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR LIGHTING									ESTIMATED	SAMPLE	
	NO LIGHTING	KERO- SENE	OTHER OIL	GAS	CANDLE	ELEC- TRICITY	OTHER	NOT RECORDED	ALL	HOUSE	HOUSE	
										HOLD	HOLD	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
<hr/>												
ANDHRA PRADESH (02)												
LESS THAN 160	0	619	0	0	0	381	0	0	1000	1750	151	
160 - 190	0	420	0	0	0	580	0	0	1000	1787	167	
190 - 230	5	352	0	0	0	643	0	0	1000	3491	329	
230 - 265	0	299	0	0	0	701	0	0	1000	4024	354	
265 - 310	0	192	0	0	0	808	0	0	1000	4156	407	
310 - 355	0	135	0	4	0	861	0	0	1000	3427	319	
355 - 410	0	95	4	0	0	901	0	0	1000	3533	318	
410 - 490	0	113	0	0	0	887	0	0	1000	3889	356	
490 - 605	0	64	0	0	0	936	0	0	1000	3917	363	
605 - 825	5	23	0	0	0	972	0	0	1000	3623	374	
825 - 1025	0	21	0	1	0	978	0	0	1000	1529	170	
1025 & ABOVE	0	0	0	0	0	1000	0	0	1000	2023	336	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	
<hr/>												
ALL CLASSES	1	179	0	0	0	819	0	0	1000	37149	3644	
<hr/>												
ESTD. HHS (00	37	6665	15	15	0	30416	0	0	37149	XX	XX	
<hr/>												
SAMPLE HHS	4	552	1	2	0	3085	0	0	3644	XX	XX	
<hr/>												
ARUNACHAL PRADESH(03)												
LESS THAN 160	0	264	0	0	0	736	0	0	1000	3	11	
160 - 190	0	0	0	0	0	1000	0	0	1000	5	3	
190 - 230	0	335	0	86	0	579	0	0	1000	7	12	
230 - 265	0	453	0	0	0	547	0	0	1000	10	14	
265 - 310	0	159	0	0	0	841	0	0	1000	11	16	
310 - 355	0	48	0	0	0	952	0	0	1000	23	22	
355 - 410	0	100	0	0	0	893	7	0	1000	30	29	
410 - 490	0	31	0	0	0	969	0	0	1000	26	27	
490 - 605	0	129	0	0	0	834	37	0	1000	32	26	
605 - 825	0	42	0	0	0	958	0	0	1000	40	35	
825 - 1055	0	0	0	0	0	1000	0	0	1000	17	14	
1055 & ABOVE	0	0	0	0	0	940	60	0	1000	20	30	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	
<hr/>												
ALL CLASSES	0	91	0	3	0	895	12	0	1000	223	239	
<hr/>												
ESTD. HHS (00	0	20	0	1	0	200	3	0	223	XX	XX	
<hr/>												
SAMPLE HHS	0	27	0	1	0	208	3	0	239	XX	XX	

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994
 TABLE(2U): PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
 FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN- DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR LIGHTING									ESTIMATED SAMPLE	
										HOUSE	HOUSE
	NO LIGHTING	KERO- SENE	OTHER OIL	GAS	CANDLE	ELEC- TRICITY	OTHER	NOT RECORDED	ALL	HOLD (00)	HOLD
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
<hr/>											
ASSAM (04)	URBAN									NO. OF SAMPLE BLOCKS : 88	
LESS THAN 160	0	1000	0	0	0	0	0	0	1000	37	13
160 - 190	0	465	0	0	0	535	0	0	1000	57	13
190 - 230	0	681	4	0	0	315	0	0	1000	331	59
230 - 265	0	459	14	0	0	527	0	0	1000	346	63
265 - 310	0	369	0	5	0	625	0	0	1000	527	98
310 - 355	0	281	0	3	0	710	7	0	1000	385	80
355 - 410	0	243	0	0	0	757	0	0	1000	520	99
410 - 490	0	135	5	0	0	860	0	0	1000	541	105
490 - 605	0	270	0	0	0	730	0	0	1000	568	100
605 - 825	0	110	0	0	0	890	0	0	1000	791	126
825 - 1025	0	89	0	0	0	911	0	0	1000	429	55
1025 & ABOVE	0	41	0	0	0	959	0	0	1000	239	69
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	0	259	2	1	0	737	1	0	1000	4771	880
ESTD. HHS (00	0	1238	9	4	0	3517	3	0	4771	XX	XX
SAMPLE HHS	0	241	3	2	0	633	1	0	880	XX	XX
<hr/>											
BIHAR (05)	URBAN									NO. OF SAMPLE BLOCKS : 216	
LESS THAN 160	0	737	9	0	0	248	6	0	1000	1186	154
160 - 190	0	722	0	0	0	275	0	4	1000	1027	138
190 - 230	0	557	0	5	0	438	0	0	1000	2075	257
230 - 265	0	457	5	0	0	538	0	0	1000	2034	239
265 - 310	3	399	0	0	0	598	0	0	1000	1980	234
310 - 355	0	275	0	0	0	725	0	0	1000	1613	192
355 - 410	0	245	0	0	0	748	7	0	1000	1524	179
410 - 490	0	113	0	2	0	879	6	0	1000	1797	192
490 - 605	0	184	0	0	0	813	0	2	1000	1507	174
605 - 825	0	103	0	0	0	897	0	0	1000	1539	169
825 - 1055	0	146	0	0	0	854	0	0	1000	874	90
1055 & ABOVE	0	38	0	0	0	962	0	0	1000	641	137
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	0	343	1	1	0	653	2	0	1000	17796	2155
ESTD. HHS (00	6	6098	20	15	0	11621	29	7	17796	XX	XX
SAMPLE HHS	1	703	2	2	0	1442	3	2	2155	XX	XX

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(2U): PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN DITURE CLASS		PRIMARY SOURCE OF ENERGY FOR LIGHTING								ESTIMATED		SAMPLE
										HOUSE	HOUSE	
		NO LIGHTING	KERO- SENE	OTHER OIL	GAS	CANDLE	ELEC- TRICITY	OTHER	NOT RECORDED	ALL	HOLD HOLD	(00)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
GOA (06)	URBAN					NO. OF SAMPLE BLOCKS					:	22
LESS THAN 160	0	0	0	0	0	1000	0	0	1000	5	2	
160 - 190	0	0	0	0	0	1000	0	0	1000	3	1	
190 - 230	0	513	0	0	0	487	0	0	1000	24	5	
230 - 265	0	186	0	0	0	814	0	0	1000	40	9	
265 - 310	0	78	0	0	0	922	0	0	1000	95	16	
310 - 355	0	176	0	0	0	824	0	0	1000	55	12	
355 - 410	0	47	0	0	0	953	0	0	1000	99	19	
410 - 490	0	65	0	0	0	935	0	0	1000	137	34	
490 - 605	0	105	0	0	0	895	0	0	1000	152	33	
605 - 825	0	0	0	0	0	1000	0	0	1000	162	37	
825 - 1025	0	0	0	0	0	1000	0	0	1000	82	17	
1025 & ABOVE	0	0	0	0	0	1000	0	0	1000	92	28	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	
ALL CLASSES	0	70	0	0	0	930	0	0	1000	944	213	
ESTD. HHS (00	0	66	0	0	0	878	0	0	944	XX	XX	
SAMPLE HHS	0	14	0	0	0	199	0	0	213	XX	XX	
GUJRAT (07)	URBAN					NO. OF SAMPLE BLOCKS					:	238
LESS THAN 160	36	180	0	0	0	785	0	0	1000	373	36	
160 - 190	0	257	0	0	0	743	0	0	1000	668	57	
190 - 230	3	251	0	0	0	745	0	0	1000	1491	109	
230 - 265	14	184	0	0	2	800	0	0	1000	1765	153	
265 - 310	9	166	3	0	0	822	0	0	1000	2437	215	
310 - 355	0	71	5	0	0	925	0	0	1000	2956	230	
355 - 410	0	101	2	0	0	895	0	2	1000	3459	266	
410 - 490	0	65	1	1	0	933	0	0	1000	4156	290	
490 - 605	4	68	0	0	0	926	1	0	1000	4250	293	
605 - 825	13	52	0	4	0	931	0	0	1000	3419	318	
825 - 1055	13	5	0	0	0	983	0	0	1000	1333	139	
1055 & ABOVE	0	1	0	2	0	998	0	0	1000	1532	266	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	
ALL CLASSES	5	95	1	1	0	897	0	0	1000	27839	2372	
ESTD. HHS (00	145	2642	31	19	4	24984	6	8	27839	XX	XX	
SAMPLE HHS	13	205	4	4	1	2143	1	1	2372	XX	XX	

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(2U): PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR LIGHTING								ESTIMATED	SAMPLE		
									HOUSE	HOUSE		
	NO LIGHTING	KERO- SENE	OTHER OIL	GAS	CANDLE	ELEC- TRICITY	OTHER	NOT RECORDED	ALL HOLD	HOLD		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
HARYANA (08)	URBAN								NO. OF SAMPLE BLOCKS		:	70
LESS THAN 160	0	284	0	0	0	717	0	0	1000	147	12	
160 - 190	0	388	0	0	0	612	0	0	1000	177	17	
190 - 230	0	306	0	0	0	694	0	0	1000	434	35	
230 - 265	39	129	0	0	0	825	0	8	1000	694	45	
265 - 310	0	87	0	0	0	879	34	0	1000	816	63	
310 - 355	0	165	21	0	0	814	0	0	1000	880	61	
355 - 410	0	82	0	0	0	918	0	0	1000	1221	86	
410 - 490	0	120	5	0	0	875	0	0	1000	1384	93	
490 - 605	0	45	0	0	0	955	0	0	1000	1417	90	
605 - 825	0	29	0	0	0	971	0	0	1000	1402	85	
825 - 1025	0	0	0	0	0	1000	0	0	1000	729	44	
1025 & ABOVE	23	15	0	0	0	963	0	0	1000	796	66	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	
ALL CLASSES	4	92	3	0	0	898	3	1	1000	10098	697	
ESTD. HHS (00	45	930	26	0	0	9063	28	5	10098	XX	XX	
SAMPLE HHS	2	64	2	0	0	627	1	1	697	XX	XX	
HIMACHAL PRADESH (09)	URBAN								NO. OF SAMPLE BLOCKS		:	40
LESS THAN 160	0	0	0	0	0	1000	0	0	1000	2	1	
160 - 190	0	0	0	0	0	1000	0	0	1000	4	2	
190 - 230	0	0	0	0	0	1000	0	0	1000	30	10	
230 - 265	0	178	0	0	0	822	0	0	1000	41	13	
265 - 310	0	0	0	0	0	1000	0	0	1000	70	25	
310 - 355	0	0	0	0	0	1000	0	0	1000	77	24	
355 - 410	0	0	0	0	0	1000	0	0	1000	98	31	
410 - 490	0	0	0	0	0	1000	0	0	1000	120	41	
490 - 605	0	0	0	0	0	1000	0	0	1000	165	54	
605 - 825	0	6	0	0	0	994	0	0	1000	218	65	
825 - 1055	0	0	0	0	0	1000	0	0	1000	102	37	
1055 & ABOVE	0	0	3	0	0	997	0	0	1000	255	97	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	
ALL CLASSES	0	7	1	0	0	992	0	0	1000	1183	400	
ESTD. HHS (00	0	9	1	0	0	1173	0	0	1183	XX	XX	
SAMPLE HHS	0	3	1	0	0	396	0	0	400	XX	XX	

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(2U): PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR LIGHTING									ESTIMATED	SAMPLE	
										HOUSE	HOUSE	
	NO LIGHTING	KERO- SENE	OTHER OIL	GAS	CANDLE	ELEC- TRICITY	OTHER	NOT RECORDED	ALL	HOLD HOLD (00)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
JAMMU & KASHMIR (10)	URBAN					NO. OF SAMPLE BLOCKS					:	53
LESS THAN 160	0	0	0	0	0	1000	0	0	1000	6	2	
160 - 190	0	0	0	0	0	1000	0	0	1000	10	3	
190 - 230	0	0	0	0	0	1000	0	0	1000	17	8	
230 - 265	0	0	0	0	0	1000	0	0	1000	37	20	
265 - 310	0	28	0	0	0	972	0	0	1000	89	37	
310 - 355	0	0	0	0	0	1000	0	0	1000	100	41	
355 - 410	2	0	0	0	0	998	0	0	1000	164	64	
410 - 490	0	0	0	0	0	1000	0	0	1000	197	74	
490 - 605	0	0	0	0	0	1000	0	0	1000	149	74	
605 - 825	0	0	0	0	0	1000	0	0	1000	179	92	
825 - 1025	0	0	0	0	0	978	0	22	1000	79	42	
1025 & ABOVE	0	0	0	0	0	1000	0	0	1000	136	71	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	
ALL CLASSES	0	2	0	0	0	996	0	1	1000	1162	528	
ESTD. HHS (00	0	2	0	0	0	1158	0	2	1162	XX	XX	
SAMPLE HHS	1	1	0	0	0	525	0	1	528	XX	XX	
KARNATAKA (11)	URBAN					NO. OF SAMPLE BLOCKS					:	247
LESS THAN 160	0	587	0	0	0	413	0	0	1000	1272	118	
160 - 190	0	419	0	0	0	581	0	0	1000	882	85	
190 - 230	0	287	0	0	0	713	0	0	1000	2371	218	
230 - 265	0	304	0	0	6	690	0	0	1000	1949	187	
265 - 310	0	285	0	0	0	715	0	0	1000	2368	229	
310 - 355	3	213	0	0	0	784	0	0	1000	1961	192	
355 - 410	0	135	2	0	0	863	0	0	1000	2419	221	
410 - 490	0	56	0	0	0	935	0	9	1000	2774	260	
490 - 605	0	47	4	0	0	948	0	1	1000	3012	275	
605 - 825	0	22	0	0	0	976	0	2	1000	3217	294	
825 - 1055	0	25	0	0	0	975	0	0	1000	1713	144	
1055 & ABOVE	0	0	0	0	0	1000	0	0	1000	1531	246	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	
ALL CLASSES	0	166	1	0	0	832	0	1	1000	25469	2469	
ESTD. HHS (00	6	4219	17	0	11	21181	0	36	25469	XX	XX	
SAMPLE HHS	1	370	2	0	1	2091	0	4	2469	XX	XX	

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(2U): PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR LIGHTING								ESTIMATED		SAMPLE	
									HOUSE	HOUSE		
	NO LIGHTING	KERO- SENE	OTHER OIL	GAS	CANDLE	ELEC- TRICITY	OTHER	NOT RECORDED	ALL	HOLD HOLD	(00)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
KERALA (12)	URBAN					NO. OF SAMPLE BLOCKS					:	183
LESS THAN 160	0	421	0	0	0	579	0	0	1000	327	47	
160 - 190	0	543	0	0	0	458	0	0	1000	314	44	
190 - 230	0	398	0	0	0	602	0	0	1000	810	117	
230 - 265	0	448	0	0	0	552	0	0	1000	746	109	
265 - 310	0	394	0	0	0	606	0	0	1000	1352	180	
310 - 355	0	272	0	0	0	728	0	0	1000	1290	161	
355 - 410	0	184	0	0	0	816	0	0	1000	1412	181	
410 - 490	0	184	0	0	0	816	0	0	1000	1581	213	
490 - 605	3	118	9	0	0	867	0	3	1000	1592	209	
605 - 825	2	70	0	2	0	915	0	11	1000	1560	212	
825 - 1025	0	44	0	0	0	956	0	0	1000	923	127	
1025 & ABOVE	0	12	0	0	4	975	0	9	1000	1131	230	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	
ALL CLASSES	1	211	1	0	0	784	0	2	1000	13038	1830	
ESTD. HHS (00	8	2750	14	3	5	10228	0	31	13038	XX	XX	
SAMPLE HHS	3	363	1	1	1	1456	0	5	1830	XX	XX	
MADHYA PRADESH (13)	URBAN					NO. OF SAMPLE BLOCKS					:	325
LESS THAN 160	0	442	0	0	0	558	0	0	1000	1162	129	
160 - 190	4	298	3	0	0	695	0	0	1000	1594	150	
190 - 230	0	204	0	2	0	794	0	0	1000	2800	271	
230 - 265	0	140	0	0	0	860	0	0	1000	2886	288	
265 - 310	0	84	0	2	0	912	2	0	1000	3404	343	
310 - 355	0	118	8	0	0	871	3	0	1000	3251	328	
355 - 410	0	60	9	0	0	931	0	0	1000	3138	333	
410 - 490	1	87	2	0	0	905	2	3	1000	3094	332	
490 - 605	10	109	11	6	0	862	0	1	1000	3020	320	
605 - 825	9	27	9	0	0	954	1	0	1000	3134	335	
825 - 1055	1	45	0	0	0	954	0	0	1000	1143	142	
1055 & ABOVE	0	11	0	0	0	989	0	0	1000	1525	262	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	
ALL CLASSES	2	119	4	1	0	873	1	0	1000	30151	3233	
ESTD. HHS (00	71	3578	126	30	0	26310	24	12	30151	XX	XX	
SAMPLE HHS	15	353	12	3	0	2844	4	2	3233	XX	XX	

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(2U): PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR LIGHTING								ESTIMATED		SAMPLE
									HOUSE	HOUSE	
	NO LIGHTING	KERO- SENE	OTHER OIL	GAS	CANDLE	ELEC- TRICITY	OTHER	NOT RECORDED	ALL	HOLD HOLD (00)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
MAHARASHTRA (14)				URBAN				NO. OF SAMPLE BLOCKS : 557			
LESS THAN 160	0	460	0	0	0	540	0	0	1000	2369	183
160 - 190	4	440	0	0	0	549	0	7	1000	1997	177
190 - 230	3	226	0	0	0	771	0	0	1000	2921	262
230 - 265	8	180	0	0	0	801	0	11	1000	3256	281
265 - 310	4	155	0	1	0	841	0	0	1000	4875	417
310 - 355	0	101	3	0	0	896	0	0	1000	4641	386
355 - 410	2	60	0	0	0	939	0	0	1000	5352	420
410 - 490	3	27	0	0	0	967	0	3	1000	6124	530
490 - 605	5	45	0	0	0	950	0	0	1000	7599	645
605 - 825	3	20	0	1	1	975	0	1	1000	9558	841
825 - 1025	3	6	0	1	0	988	0	2	1000	5700	518
1025 & ABOVE	0	6	0	2	0	983	1	8	1000	6912	868
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	3	90	0	1	0	904	0	2	1000	61304	5528
ESTD. HHS (00	164	5527	14	33	8	55411	10	138	61304	XX	XX
SAMPLE HHS	15	436	1	5	1	5063	1	6	5528	XX	XX
MANIPUR (15)				URBAN				NO. OF SAMPLE BLOCKS : 70			
LESS THAN 160	0	0	0	0	0	1000	0	0	1000	2	2
160 - 190	0	303	0	0	0	697	0	0	1000	6	7
190 - 230	0	119	0	0	0	881	0	0	1000	70	56
230 - 265	0	88	7	0	0	905	0	0	1000	161	147
265 - 310	0	83	0	0	0	917	0	0	1000	146	143
310 - 355	0	34	0	15	0	951	0	0	1000	119	107
355 - 410	0	57	0	0	0	943	0	0	1000	144	111
410 - 490	0	16	7	0	0	977	0	0	1000	102	69
490 - 605	0	3	0	0	0	997	0	0	1000	38	34
605 - 825	0	0	0	0	0	1000	0	0	1000	21	17
825 - 1055	0	0	0	0	0	1000	0	0	1000	3	3
1055 & ABOVE	0	0	0	0	0	1000	0	0	1000	1	3
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	0	62	2	2	0	933	0	0	1000	812	699
ESTD. HHS (00	0	50	2	2	0	757	0	0	812	XX	XX
SAMPLE HHS	0	62	2	2	0	633	0	0	699	XX	XX

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(2U): PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR LIGHTING									ESTIMATED	SAMPLE	
	NO LIGHTING	KERO- SENE	OTHER OIL	GAS	CANDLE	ELEC- TRICITY	OTHER	NOT RECORDED	ALL	HOUSE	HOUSE	
										HOLD	HOLD	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
MEGHALAYA (16)					URBAN					NO. OF SAMPLE BLOCKS	:	48
LESS THAN 160	0	1000	0	0	0	0	0	0	0	1000	0	1
160 - 190	0	288	0	0	0	0	712	0	0	1000	2	3
190 - 230	0	328	0	0	0	0	672	0	0	1000	6	5
230 - 265	0	476	0	0	0	0	524	0	0	1000	8	15
265 - 310	0	213	0	0	0	0	787	0	0	1000	33	29
310 - 355	25	136	0	0	0	0	839	0	0	1000	44	39
355 - 410	0	85	0	0	0	0	915	0	0	1000	61	53
410 - 490	0	10	0	0	0	0	960	14	17	1000	79	73
490 - 605	0	62	9	0	0	0	929	0	0	1000	81	62
605 - 825	0	0	0	6	0	0	994	0	0	1000	93	82
825 - 1025	0	17	0	0	0	0	983	0	0	1000	57	50
1025 & ABOVE	0	0	0	0	0	0	1000	0	0	1000	41	66
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	2	62	2	1	0	928	2	3	1000	505	478	
ESTD. HHS (00	1	32	1	1	0	468	1	1	505	XX	XX	
SAMPLE HHS	1	42	1	1	0	431	1	1	478	XX	XX	
MIZORAM (17)					URBAN					NO. OF SAMPLE BLOCKS	:	96
LESS THAN 160	0	0	0	0	0	0	0	0	0	0	0	0
160 - 190	0	0	0	0	0	0	0	0	0	0	0	0
190 - 230	0	0	0	0	0	0	0	0	0	0	0	0
230 - 265	0	709	0	0	0	0	291	0	0	1000	1	3
265 - 310	0	296	0	0	0	0	704	0	0	1000	6	16
310 - 355	0	86	0	0	0	0	914	0	0	1000	17	47
355 - 410	0	36	0	26	0	0	937	0	0	1000	41	111
410 - 490	0	7	6	0	0	0	988	0	0	1000	76	203
490 - 605	0	14	0	0	0	0	986	0	0	1000	92	240
605 - 825	0	0	0	0	0	0	1000	0	0	1000	81	200
825 - 1055	0	0	0	0	0	0	1000	0	0	1000	20	50
1055 & ABOVE	0	0	0	3	0	0	997	0	0	1000	15	87
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	0	22	1	3	0	974	0	0	1000	351	957	
ESTD. HHS (00	0	8	0	1	0	342	0	0	351	XX	XX	
SAMPLE HHS	0	24	1	3	0	929	0	0	957	XX	XX	

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(2U): PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR LIGHTING								ESTIMATED HOUSE HOLD		SAMPLE HOUSE	
	NO	KERO-	OTHER	GAS	CANDLE	ELEC-	OTHER	NOT	ALL	HOLD	HOLD	
	LIGHTING	SENE	OIL			TRICITY		RECORDED		(00)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
NAGALAND (18)	URBAN					NO. OF SAMPLE BLOCKS					:	24
LESS THAN 160	0	0	0	0	0	0	0	0	0	0	0	
160 - 190	0	0	0	0	0	0	0	0	0	0	0	
190 - 230	0	1000	0	0	0	0	0	0	1000	1	1	
230 - 265	0	487	0	0	0	513	0	0	1000	8	4	
265 - 310	0	574	0	0	0	426	0	0	1000	13	9	
310 - 355	0	406	0	0	0	594	0	0	1000	24	17	
355 - 410	0	163	0	0	0	837	0	0	1000	29	21	
410 - 490	0	29	0	0	0	971	0	0	1000	50	39	
490 - 605	0	16	0	0	0	984	0	0	1000	54	48	
605 - 825	0	59	7	0	0	934	0	0	1000	64	52	
825 - 1025	0	68	0	64	0	867	0	0	1000	25	24	
1025 & ABOVE	0	0	0	0	0	1000	0	0	1000	16	25	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	
ALL CLASSES	0	123	2	6	0	870	0	0	1000	284	240	
ESTD. HHS (00	0	35	0	2	0	247	0	0	284	XX	XX	
SAMPLE HHS	0	23	1	1	0	215	0	0	240	XX	XX	
ORISSA (19)	URBAN					NO. OF SAMPLE BLOCKS					:	104
LESS THAN 160	0	748	0	0	0	252	0	0	1000	460	47	
160 - 190	0	731	0	0	0	269	0	0	1000	479	49	
190 - 230	0	674	0	0	0	326	0	0	1000	896	103	
230 - 265	56	425	0	0	0	519	0	0	1000	774	86	
265 - 310	13	384	0	2	0	601	0	0	1000	931	112	
310 - 355	0	261	0	0	0	739	0	0	1000	813	87	
355 - 410	7	227	0	0	0	766	0	0	1000	882	90	
410 - 490	14	169	0	0	0	817	0	0	1000	872	87	
490 - 605	20	93	0	5	0	881	0	0	1000	1100	113	
605 - 825	0	80	0	0	0	920	0	0	1000	1208	119	
825 - 1055	12	0	0	0	0	988	0	0	1000	554	60	
1055 & ABOVE	1	32	0	0	0	967	0	0	1000	486	84	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	
ALL CLASSES	11	292	0	1	0	696	0	0	1000	9455	1037	
ESTD. HHS (00	103	2760	0	8	0	6583	0	0	9455	XX	XX	
SAMPLE HHS	8	285	0	2	0	742	0	0	1037	XX	XX	

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(2U): PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR LIGHTING									ESTIMATED	SAMPLE
	NO LIGHTING	KERO- SENE	OTHER OIL	GAS	CANDLE	ELEC- TRICITY	OTHER	NOT RECORDED	ALL	HOUSE	HOUSE
										HOLD	HOLD
										(00)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
PUNJAB (20)					URBAN				NO. OF SAMPLE BLOCKS	:	196
LESS THAN 160	0	506	0	0	111	383	0	0	1000	75	9
160 - 190	55	200	0	0	0	745	0	0	1000	130	19
190 - 230	0	110	0	0	96	794	0	0	1000	389	58
230 - 265	0	51	17	0	0	932	0	0	1000	619	84
265 - 310	0	17	0	0	5	978	0	0	1000	923	142
310 - 355	0	23	0	0	0	977	0	0	1000	1016	152
355 - 410	8	25	0	0	10	957	0	0	1000	1242	188
410 - 490	5	23	0	0	5	961	6	0	1000	1570	239
490 - 605	0	15	2	0	0	983	0	0	1000	1907	282
605 - 825	0	28	0	0	2	970	0	0	1000	2373	349
825 - 1025	0	16	0	0	0	984	0	0	1000	1009	166
1025 & ABOVE	12	0	0	0	0	988	0	0	1000	801	259
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	3	30	1	0	6	959	1	0	1000	12056	1947
ESTD. HHS (00	34	356	14	0	76	11566	9	0	12056	XX	XX
SAMPLE HHS	4	46	2	0	9	1884	2	0	1947	XX	XX
RAJASTHAN (21)					URBAN				NO. OF SAMPLE BLOCKS	:	184
LESS THAN 160	21	201	0	0	0	779	0	0	1000	460	46
160 - 190	0	39	0	0	0	961	0	0	1000	564	44
190 - 230	3	217	0	0	0	779	0	0	1000	1586	144
230 - 265	0	238	0	0	0	763	0	0	1000	1405	119
265 - 310	3	147	16	1	0	831	0	2	1000	1887	175
310 - 355	0	78	1	0	0	904	0	17	1000	1965	181
355 - 410	0	97	0	0	0	898	0	5	1000	2270	206
410 - 490	8	88	14	0	0	890	0	0	1000	2261	204
490 - 605	7	72	0	4	0	917	0	0	1000	2367	211
605 - 825	0	48	0	0	0	946	0	6	1000	1955	190
825 - 1055	0	5	3	0	0	992	0	0	1000	1334	123
1055 & ABOVE	0	27	0	10	0	952	0	11	1000	1024	156
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	3	102	4	1	0	887	0	4	1000	19077	1799
ESTD. HHS (00	55	1943	68	23	0	16919	0	70	19077	XX	XX
SAMPLE HHS	6	164	4	3	0	1615	0	7	1799	XX	XX

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(2U): PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR LIGHTING									ESTIMATED	SAMPLE	
										HOUSE	HOUSE	
	NO LIGHTING	KERO- SENE	OTHER OIL	GAS	CANDLE	ELEC- TRICITY	OTHER	NOT RECORDED	ALL	HOLD HOLD (00)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
SIKKIM (22)	URBAN									NO. OF SAMPLE BLOCKS	:	16
LESS THAN 160	0	0	0	0	0	0	0	0	0	0	0	
160 - 190	0	0	0	0	0	0	0	0	0	0	0	
190 - 230	0	0	0	0	0	1000	0	0	1000	1	2	
230 - 265	0	0	0	0	0	1000	0	0	1000	3	5	
265 - 310	0	0	0	191	0	809	0	0	1000	4	9	
310 - 355	0	167	0	0	0	833	0	0	1000	5	10	
355 - 410	0	0	0	0	0	1000	0	0	1000	8	17	
410 - 490	0	0	80	0	0	920	0	0	1000	10	21	
490 - 605	53	0	0	0	0	947	0	0	1000	8	19	
605 - 825	0	0	0	0	0	1000	0	0	1000	16	29	
825 - 1025	0	0	0	0	0	1000	0	0	1000	12	24	
1025 & ABOVE	0	0	0	0	0	1000	0	0	1000	4	24	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	
ALL CLASSES	6	11	11	12	0	960	0	0	1000	70	160	
ESTD. HHS (00	0	1	1	1	0	67	0	0	70	XX	XX	
SAMPLE HHS	1	1	1	1	0	156	0	0	160	XX	XX	
TAMILNADU (23)	URBAN									NO. OF SAMPLE BLOCKS	:	407
LESS THAN 160	9	314	0	0	0	676	0	0	1000	2844	166	
160 - 190	0	351	0	0	0	639	7	3	1000	2408	175	
190 - 230	0	310	0	0	0	689	0	1	1000	4971	368	
230 - 265	0	340	8	0	0	652	0	0	1000	4413	364	
265 - 310	3	234	3	0	0	754	0	7	1000	5794	457	
310 - 355	0	192	0	1	0	807	0	0	1000	4331	373	
355 - 410	1	123	0	0	0	872	0	5	1000	5151	399	
410 - 490	6	105	0	1	0	886	0	3	1000	5516	430	
490 - 605	5	76	0	0	0	918	0	0	1000	4236	338	
605 - 825	1	51	0	2	0	941	5	0	1000	5006	381	
825 - 1055	0	35	0	0	0	965	0	0	1000	2592	193	
1055 & ABOVE	7	8	0	7	0	978	0	0	1000	3163	398	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	
ALL CLASSES	3	176	1	1	0	817	1	2	1000	50425	4042	
ESTD. HHS (00	130	8866	56	42	0	41198	41	93	50425	XX	XX	
SAMPLE HHS	11	697	4	5	0	3317	2	6	4042	XX	XX	

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(2U): PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR LIGHTING									ESTIMATED	SAMPLE	
	NO LIGHTING	KERO- SENE	OTHER OIL	GAS	CANDLE	ELEC- TRICITY	OTHER	NOT RECORDED	ALL	HOUSE	HOUSE	
										HOLD	HOLD	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
<hr/>												
TRIPURA (24)												
LESS THAN 160	0	843	0	0	0	157	0	0	1000	13	8	
160 - 190	0	704	0	0	0	296	0	0	1000	15	9	
190 - 230	0	748	0	0	0	252	0	0	1000	22	15	
230 - 265	0	345	0	0	0	655	0	0	1000	46	31	
265 - 310	0	412	0	0	0	588	0	0	1000	76	50	
310 - 355	0	315	0	0	0	685	0	0	1000	84	52	
355 - 410	0	263	0	0	0	720	0	18	1000	112	67	
410 - 490	0	120	0	0	0	864	0	16	1000	94	61	
490 - 605	0	21	0	0	0	979	0	0	1000	91	70	
605 - 825	0	0	0	0	0	1000	0	0	1000	129	86	
825 - 1025	0	57	0	0	0	943	0	0	1000	46	32	
1025 & ABOVE	20	17	0	0	0	962	0	0	1000	62	79	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	
<hr/>												
ALL CLASSES	2	200	0	0	0	794	0	4	1000	790	560	
<hr/>												
ESTD. HHS (00	1	158	0	0	0	628	0	3	790	XX	XX	
<hr/>												
SAMPLE HHS	1	103	0	0	0	454	0	2	560	XX	XX	
<hr/>												
UTTAR PRADESH (25)												
LESS THAN 160	0	732	4	0	8	256	0	0	1000	3360	257	
160 - 190	0	520	5	0	0	475	0	0	1000	2719	226	
190 - 230	0	490	0	0	0	510	0	0	1000	4999	450	
230 - 265	0	319	0	0	11	670	0	0	1000	4525	403	
265 - 310	0	254	0	0	0	746	0	0	1000	5060	507	
310 - 355	0	194	2	0	6	797	0	0	1000	4776	387	
355 - 410	0	174	0	0	0	826	0	0	1000	4513	397	
410 - 490	4	105	6	0	7	877	0	0	1000	5000	451	
490 - 605	0	93	12	1	4	890	0	0	1000	4905	423	
605 - 825	4	84	0	0	0	913	0	0	1000	5065	428	
825 - 1055	0	80	7	0	0	914	0	0	1000	2596	211	
1055 & ABOVE	1	57	0	0	0	940	0	3	1000	2244	311	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	
<hr/>												
ALL CLASSES	1	251	3	0	3	741	0	0	1000	49763	4451	
<hr/>												
ESTD. HHS (00	46	12504	142	4	161	36898	0	8	49763	XX	XX	
<hr/>												
SAMPLE HHS	10	980	7	2	7	3440	1	4	4451	XX	XX	

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(2U): PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR LIGHTING									ESTIMATED	SAMPLE	
	NO LIGHTING	KERO- SENE	OTHER OIL	GAS	CANDLE	ELEC- TRICITY	OTHER	NOT RECORDED	ALL	HOUSE	HOUSE	
										HOLD	HOLD	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
<hr/>												
WEST BENGAL (26)												
LESS THAN 160	0	746	6	0	0	248	0	0	1000	913	83	
160 - 190	0	762	7	0	0	215	0	17	1000	1271	102	
190 - 230	2	632	0	0	5	362	0	0	1000	2604	221	
230 - 265	0	455	0	0	0	545	0	0	1000	2556	249	
265 - 310	0	412	0	0	0	585	2	0	1000	3121	288	
310 - 355	0	280	6	0	0	707	6	0	1000	3409	293	
355 - 410	0	310	2	0	0	688	0	0	1000	3442	299	
410 - 490	1	229	0	0	0	770	0	0	1000	3880	338	
490 - 605	12	170	0	0	0	818	0	0	1000	4684	396	
605 - 825	3	123	3	1	3	864	3	0	1000	6262	520	
825 - 1025	0	77	0	0	0	923	0	0	1000	2602	212	
1025 & ABOVE	0	17	0	4	0	980	0	0	1000	2728	337	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	
<hr/>												
ALL CLASSES	2	279	2	0	1	714	1	1	1000	37473	3338	
<hr/>												
ESTD. HHS (00	80	10471	59	17	32	26746	47	21	37473	XX	XX	
<hr/>												
SAMPLE HHS	13	844	7	2	3	2465	3	1	3338	XX	XX	
<hr/>												
ANDMAN&NICOBAR (27)												
LESS THAN 160	0	0	0	0	0	1000	0	0	1000	2	2	
160 - 190	0	0	0	0	0	1000	0	0	1000	1	1	
190 - 230	0	400	0	0	0	600	0	0	1000	3	5	
230 - 265	0	0	0	0	0	1000	0	0	1000	1	1	
265 - 310	0	121	0	0	0	879	0	0	1000	5	9	
310 - 355	0	38	0	0	0	962	0	0	1000	6	10	
355 - 410	0	195	0	0	0	805	0	0	1000	10	19	
410 - 490	0	100	0	0	0	900	0	0	1000	20	35	
490 - 605	0	33	0	0	0	967	0	0	1000	24	44	
605 - 825	0	46	19	0	0	935	0	0	1000	42	73	
825 - 1055	0	0	0	0	0	1000	0	0	1000	31	59	
1055 & ABOVE	0	18	0	0	0	982	0	0	1000	59	141	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	
<hr/>												
ALL CLASSES	0	47	4	0	0	949	0	0	1000	202	399	
<hr/>												
ESTD. HHS (00	0	10	1	0	0	192	0	0	203	XX	XX	
<hr/>												
SAMPLE HHS	0	18	1	0	0	380	0	0	399	XX	XX	

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(2U): PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR LIGHTING									ESTIMATED	SAMPLE	
										HOUSE	HOUSE	
	NO LIGHTING	KERO- SENE	OTHER OIL	GAS	CANDLE	ELEC- TRICITY	OTHER	NOT RECORDED	ALL	HOLD HOLD (00)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
CHANDIGARH (28)	URBAN									NO. OF SAMPLE BLOCKS	:	15
LESS THAN 160	0	1000	0	0	0	0	0	0	1000	8	1	
160 - 190	0	0	0	0	0	0	0	0	0	0	0	
190 - 230	0	498	0	0	0	502	0	0	1000	21	2	
230 - 265	0	357	0	0	0	643	0	0	1000	38	4	
265 - 310	0	333	0	0	0	667	0	0	1000	81	8	
310 - 355	0	214	0	0	0	786	0	0	1000	48	6	
355 - 410	0	265	0	0	0	735	0	0	1000	51	5	
410 - 490	0	266	0	0	0	734	0	0	1000	180	18	
490 - 605	57	71	0	0	0	872	0	0	1000	178	26	
605 - 825	0	84	0	0	0	916	0	0	1000	246	23	
825 - 1025	0	0	0	0	0	1000	0	0	1000	62	7	
1025 & ABOVE	0	0	0	0	0	1000	0	0	1000	477	50	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	
ALL CLASSES	7	118	0	0	0	875	0	0	1000	1390	150	
ESTD. HHS (00	10	164	0	0	0	1216	0	0	1390	XX	XX	
SAMPLE HHS	1	15	0	0	0	134	0	0	150	XX	XX	
DAD.&NAG.HAVELI (29)	URBAN									NO. OF SAMPLE BLOCKS	:	8
LESS THAN 160	0	466	0	0	0	534	0	0	1000	0	2	
160 - 190	0	217	0	0	0	783	0	0	1000	2	8	
190 - 230	0	279	0	0	0	721	0	0	1000	2	7	
230 - 265	0	735	0	0	0	265	0	0	1000	1	3	
265 - 310	0	0	0	0	0	1000	0	0	1000	1	4	
310 - 355	0	0	0	0	0	1000	0	0	1000	1	4	
355 - 410	0	217	0	0	0	783	0	0	1000	2	6	
410 - 490	0	0	0	0	0	1000	0	0	1000	2	9	
490 - 605	0	0	0	0	0	1000	0	0	1000	3	9	
605 - 825	0	39	0	0	0	961	0	0	1000	4	14	
825 - 1055	0	0	0	0	0	1000	0	0	1000	1	3	
1055 & ABOVE	0	0	0	0	0	1000	0	0	1000	2	9	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	
ALL CLASSES	0	109	0	0	0	891	0	0	1000	21	78	
ESTD. HHS (00	0	2	0	0	0	18	0	0	21	XX	XX	
SAMPLE HHS	0	9	0	0	0	69	0	0	78	XX	XX	

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(2U): PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR LIGHTING									ESTIMATED	SAMPLE	
	NO LIGHTING	KERO- SENE	OTHER OIL	GAS	CANDLE	ELEC- TRICITY	OTHER	NOT RECORDED	ALL	HOUSE	HOUSE	
										HOLD	HOLD	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
<hr/>												
DAMAN & DIU (30)												
LESS THAN 160	0	0	0	0	0	0	0	0	0	0	0	0
160 - 190	0	0	0	0	0	0	0	0	0	0	0	0
190 - 230	0	0	0	0	0	0	0	0	0	0	0	0
230 - 265	0	0	0	458	0	542	0	0	1000	5	3	
265 - 310	0	164	0	0	0	836	0	0	1000	7	7	
310 - 355	0	0	0	0	0	1000	0	0	1000	3	3	
355 - 410	0	0	0	0	0	1000	0	0	1000	13	13	
410 - 490	0	0	0	0	0	1000	0	0	1000	15	14	
490 - 605	0	0	0	0	0	1000	0	0	1000	13	14	
605 - 825	0	0	0	0	0	1000	0	0	1000	12	12	
825 - 1025	0	0	0	0	0	865	135	0	1000	4	6	
1025 & ABOVE	0	0	0	0	0	1000	0	0	1000	3	8	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	0
<hr/>												
ALL CLASSES	0	16	0	29	0	948	7	0	1000	74	80	
<hr/>												
ESTD. HHS (00	0	1	0	2	0	71	1	0	74	XX	XX	
<hr/>												
SAMPLE HHS	0	2	0	1	0	76	1	0	80	XX	XX	
<hr/>												
DELHI (31)												
LESS THAN 160	0	0	0	0	0	1000	0	0	1000	135	8	
160 - 190	0	25	0	0	0	975	0	0	1000	268	10	
190 - 230	0	34	0	0	0	966	0	0	1000	365	16	
230 - 265	0	135	0	0	0	807	0	58	1000	331	13	
265 - 310	0	12	0	0	0	969	13	5	1000	1027	36	
310 - 355	0	9	0	0	0	991	0	0	1000	986	50	
355 - 410	0	16	0	0	0	984	0	0	1000	1019	61	
410 - 490	0	62	0	0	0	938	0	0	1000	1100	61	
490 - 605	0	0	0	0	0	1000	0	0	1000	1610	97	
605 - 825	2	1	0	0	0	998	0	0	1000	3584	196	
825 - 1055	0	2	0	23	0	975	0	0	1000	2950	158	
1055 & ABOVE	13	0	0	0	0	977	8	1	1000	4347	279	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	0
<hr/>												
ALL CLASSES	4	10	0	4	0	978	3	2	1000	17722	985	
<hr/>												
ESTD. HHS (00	64	179	0	67	0	17334	49	30	17722	XX	XX	
<hr/>												
SAMPLE HHS	3	17	0	1	0	959	2	3	985	XX	XX	

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994

TABLE(2U): PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR LIGHTING									ESTIMATED	SAMPLE	
										HOUSE	HOUSE	
	NO LIGHTING	KERO- SENE	OTHER OIL	GAS	CANDLE	ELEC- TRICITY	OTHER	NOT RECORDED	ALL	HOLD HOLD (00)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
LAKSHADWEEP (32)	URBAN					NO. OF SAMPLE BLOCKS					:	24
LESS THAN 160	0	0	0	0	0	1000	0	0	1000	0	1	
160 - 190	0	0	0	0	0	1000	0	0	1000	1	4	
190 - 230	0	0	0	0	0	1000	0	0	1000	1	6	
230 - 265	0	0	0	0	0	1000	0	0	1000	2	13	
265 - 310	0	102	0	0	0	898	0	0	1000	3	18	
310 - 355	0	0	0	0	0	1000	0	0	1000	4	27	
355 - 410	0	0	0	0	0	1000	0	0	1000	4	26	
410 - 490	0	0	0	0	0	1000	0	0	1000	5	35	
490 - 605	0	0	0	0	0	1000	0	0	1000	6	40	
605 - 825	0	0	0	0	0	1000	0	0	1000	5	33	
825 - 1025	0	0	0	0	0	1000	0	0	1000	2	14	
1025 & ABOVE	0	0	0	0	0	1000	0	0	1000	2	23	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	
ALL CLASSES	0	9	0	0	0	991	0	0	1000	34	240	
ESTD. HHS (00	0	0	0	0	0	34	0	0	34	XX	XX	
SAMPLE HHS	0	1	0	0	0	239	0	0	240	XX	XX	
PONDICHERY (33)	URBAN					NO. OF SAMPLE BLOCKS					:	32
LESS THAN 160	0	589	0	0	0	411	0	0	1000	29	10	
160 - 190	0	488	0	0	0	512	0	0	1000	37	15	
190 - 230	0	465	0	0	0	535	0	0	1000	102	24	
230 - 265	0	545	0	0	0	456	0	0	1000	54	20	
265 - 310	0	320	0	0	0	680	0	0	1000	102	32	
310 - 355	0	242	0	0	0	758	0	0	1000	129	40	
355 - 410	0	162	0	0	0	838	0	0	1000	118	30	
410 - 490	0	120	0	0	0	880	0	0	1000	110	34	
490 - 605	0	69	0	0	0	931	0	0	1000	120	41	
605 - 825	0	88	0	0	0	912	0	0	1000	84	30	
825 - 1055	0	0	0	0	0	1000	0	0	1000	31	12	
1055 & ABOVE	0	0	0	0	0	1000	0	0	1000	54	32	
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0	
ALL CLASSES	0	231	0	0	0	769	0	0	1000	971	320	
ESTD. HHS (00	0	225	0	0	0	747	0	0	971	XX	XX	
SAMPLE HHS	0	63	0	0	0	257	0	0	320	XX	XX	

NATIONAL SAMPLE SURVEY 50TH ROUND: JULY 1993 - JUNE 1994
 TABLE(2U): PER 1000 DISTRIBUTION OF HOUSEHOLDS BY PRIMARY SOURCE OF ENERGY FOR LIGHTING
 FOR EACH MONTHLY PER CAPITA EXPENDITURE CLASS

MONTHLY PER CAPITA EXPEN- DITURE CLASS	PRIMARY SOURCE OF ENERGY FOR LIGHTING									ESTIMATED SAMPLE	
										HOUSE	HOUSE
	NO LIGHTING	KERO- SENE	OTHER OIL	GAS	CANDLE	ELEC- TRICITY	OTHER	NOT RECORDED	ALL	HOLD (00)	HOLD
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
ALL INDIA					URBAN				NO. OF SAMPLE BLOCKS	: 4650	
LESS THAN 160	3	539	2	0	2	454	0	0	1000	16943	1502
160 - 190	1	445	2	0	0	548	1	3	1000	16427	1529
190 - 230	1	368	0	0	2	628	0	0	1000	32838	3175
230 - 265	4	292	2	0	2	698	0	2	1000	32777	3342
265 - 310	2	223	1	0	0	771	1	1	1000	41400	4331
310 - 355	0	161	3	1	1	833	1	1	1000	38440	3933
355 - 410	1	129	1	0	0	867	0	1	1000	42082	4365
410 - 490	3	98	2	0	1	895	1	2	1000	46760	4968
490 - 605	4	81	2	1	0	910	0	0	1000	48898	5163
605 - 825	3	50	1	1	1	943	1	1	1000	55095	5817
825 - 1025	1	32	1	3	0	963	0	0	1000	28582	2946
1025 & ABOVE	3	11	0	2	0	979	1	3	1000	32360	5077
NOT RECORDED	0	0	0	0	0	0	0	0	0	0	0
ALL CLASSES	2	165	1	1	1	828	1	1	1000	432603	46148
ESTD. HHS (00	1007	71509	616	287	297	358172	249	466	432603	XX	XX
SAMPLE HHS	114	6728	60	44	23	39107	26	46	46148	XX	XX