



Preliminary Report – 2

Census of Buildings and Persons Affected by the Tsunami – 2004

(In this report, statistics are given only for the
affected Grama Niladhari divisions)

**TMUTHUR DS DIVISION
TRNCOMALEE DISTRICT**

Department of Census and Statistics - 2005

Preliminary Report – 2

Census of Buildings and Persons Affected by the Tsunami – 2004

Data collection of the Census on the Buildings and Persons Affected by the Tsunami – 2004 was conducted in two stages. During the stage one data on some key indicators related to the number of damaged buildings were collected. Damaged houses were categorized into completely damaged, partially damaged and usable, and partially damaged and not usable. Indicators compiled at various administrative divisions based on the data collected at the first stage have been released in the first set of preliminary reports.

During the second stage of the census, data on many other areas related to the disaster was collected. Characteristics of the buildings (both housing units and other buildings), occupants and dead and missing persons are some of such areas. Data collected are being computerized. Arrangements were made to give priority to compile some indicators, immediately needed for decision making. Indicators compiled on priority basis are listed below.

1. Average distance between the building and beach
2. Materials used for construction of buildings
3. Ownership of buildings
4. Floor area of buildings
5. Housing units by income category
6. Housing units by number of families
7. Population by age group
8. Number of people disabled/injured/sick due to tsunami
9. Number of persons engaged in fishing before and after the disaster
10. Number of persons engaged in other fishing related employments before and after the disaster
11. Number of persons engaged in coir industry before and after the disaster
12. Number of persons engaged in tourism industry before and after the disaster
13. Number of persons engaged in government employment before and after the disaster
14. Number of persons engaged in other employment before and after the disaster

The above indicators at GN level are presented in this report for the Muthur DS division of the Trincomalee district.

NOTE

During the first stage of the census all affected buildings were listed. With regard to the buildings where there was no person available to collect information, details of a contact person were obtained by inquiring the people living in the neighborhood. Irrespective of all these attempts, some eligible respondents could not be enumerated during the second stage of the census.

For Muthur DS division of Trincomalee districts 13 percent of the eligible respondent could not be enumerated. Arrangements are being made to collect information from all eligible respondents of these housing units as well.

Concepts and Definitions Used

Housing Unit

The following 3 conditions should be satisfied in order to consider a building unit as a housing unit.

- (i) It should be a place of dwelling of human beings.
- (ii) It should be separated from other places of dwelling.
- (iii) It should have separate entrance.

Under the definition, any building unit or a part of a building or any structure whether permanent or temporary such as huts, shanties, sheds etc., which are in fact used as place of residence were regarded as housing units.

Number of persons usually living in the housing unit

A person was considered as a member of the housing unit if he/she was a usual resident of the housing unit when the Tsunami disaster occurred. They may be presently living in the housing unit or elsewhere such as a welfare center or a friend's/ relative's house.

Employment prior to the Tsunami and whether the employment can be continued after the Tsunami ?

This information was collected from those persons who were engaged in an employment before the Tsunami. Further information was collected on whether they could continue their employment after the Tsunami.

Materials used for the construction of the housing unit

Materials used for the construction of housing unit was considered permanent, if the roof, the walls and the floor were constructed using Permanent material.

Roof is considered Permanent, if constructed using tiles / asbestos etc. Roof is considered Temporary, if constructed using cadjan / tin sheets etc.

Walls are considered Permanent, if constructed using bricks / cement blocks etc. Walls are considered Temporary, if constructed using mud, wood / tin sheets etc.

Floor is considered Permanent, if constructed using cement/ tiles / granite etc. Floor is considered Temporary, if constructed using mud / dung etc.

Distance from the beach to the housing unit:

This distance was estimated by the enumerator at the time of the data collection.

Income of the housing unit

This includes the total income of all income earners of the housing unit from all sources, before the Tsunami.

Size of Housing unit

This refers to the total number of the members of the housing unit, who are alive after the Tsunami, and were usually residing in the housing unit, before the Tsunami. They may be living in the housing unit or elsewhere now.

Disability, Injury or Sickness due to Tsunami

If a person was disabled or injured or had a sickness due to Tsunami, information on such persons was collected at this census.

Table 1: Number of damaged housing units in affected GN divisions* by material used for construction of the housing unit**

Muthur DS division of Trincomalee District - April 2005

Affected GN Division		Total no. of damaged** housing units	Material used for construction		
Name	No.		Permanent	Other [⌘]	Not reported
Dahanagar	224C	11	9	2	0
Iralkully	224D	48	23	25	0
Kadakkaraichenai	222C	37	7	30	0
Keenithivu	221	56	28	28	0
Nadattivu	223E	149	93	56	0
Nalure	219A	224	77	146	1
Navarathuapuram	221A	114	18	96	0
Thakwa Nagar	223C	591	466	125	0
Total		1230	721	508	1

*Statistics are given here only for the affected GN divisions.

**Damaged - Fully damaged, Partially damaged (unusable) and Partially damaged (usable) housing units only were considered damaged.

⌘ If any combination of materials other than 'Permanent' is considered as 'Other'

Note : Number of housing units surveyed in stage 2 were greater than the number of housing units listed in stage 1 because some housing units were identified as damaged at later stage.

Source : Department of Census & Statistics

Table 2: Number of damaged housing units in affected GN divisions* by ownership of the land**

Muthur DS division of Trincomalee District - April 2005

Affected GN Division		Total no.of damaged* * housing units	Ownership of the land				
Name	No.		Belongs to the family	Rent/Lease	Coast reservation	Other	Not reported
Dahanagar	224C	11	11	0	0	0	0
Iralkully	224D	48	45	0	0	3	0
Kadakkaraichenai	222C	37	34	0	0	3	0
Keenithivu	221	56	53	0	1	1	1
Nadattivu	223E	149	136	1	1	10	1
Nalure	219A	224	224	0	0	0	0
Navarathuapuram	221A	114	112	0	0	1	1
Thakwa Nagar	223C	591	401	6	70	102	12
Total		1230	1016	7	72	120	15

*Statistics are given here only for the affected GN divisions.

**Damaged - Fully damaged , Partially damaged (unusable) and Partially damaged (usable) housing units only are considered damaged.

Note: Number of housing units surveyed in stage 2 were greater than the number of housing units listed in stage 1 because some housing units were identified as damaged at later stage.

Source : Department of Census & Statistics

Table 3: Number of damaged housing units in affected GN divisions* by income category of the housing unit before Tsunami**

Muthur DS division of Trincomalee District - April 2005

Affected GN Division		Total no.of damaged** housing units	Monthly Income of the Housing Unit (Rs)			
Name	No.		Less than 5000	5000 - 9999	10000 & above	Not reported
Dahanagar	224C	11	4	3	4	0
Iralkully	224D	48	48	0	0	0
Kadakkaraichenai	222C	37	33	0	1	3
Keenithivu	221	56	50	4	2	0
Nadattivu	223E	149	87	48	13	1
Nalure	219A	224	212	6	0	6
Navarathuapuram	221A	114	112	1	1	0
Thakwa Nagar	223C	591	272	248	44	27
Total		1230	818	310	65	37

*Statistics are given here only for the affected GN divisions.

**Damaged - Fully damaged , Partially damaged (unusable) and Partially damaged (usable) housing units only are considered damaged.

Note : Number of housing units surveyed in stage 2 were greater than the number of housing units listed in stage 1 because some housing units were identified as damaged at later stage.

Source : Department of Census & Statistics

Table 4: Number of damaged housing units by number of families[@] in affected GN divisions***

Muthur DS division of Trincomalee District - April 2005

Affected GN Division		Total no. of damaged** housing units	Number of families			
Name	No.		1 Family	2 Families	3 or more	Not reported
Dahanagar	224C	11	10	1	0	0
Iralkully	224D	48	48	0	0	0
Kadakkaraichenai	222C	37	37	0	0	0
Keenithivu	221	56	56	0	0	0
Nadattivu	223E	149	146	3	0	0
Nalure	219A	224	223	1	0	0
Navarathuapuram	221A	114	114	0	0	0
Thakwa Nagar	223C	591	587	4	0	0
Total		1230	1221	9	0	0

*Statistics are given here only for the affected GN divisions.

**Damaged - Fully damaged , Partially damaged (unusable) and Partially damaged (usable) housing units only are considered damaged.

[@] 'Number of families' is defined as the number of families usually living in that housing unit after the Tsunami 2004

Note : Number of housing units surveyed in stage 2 were greater than the number of housing units listed in stage 1 because some housing units were identified as damaged at later stage.

Source : Department of Census & Statistics

Table 5: Number of damaged housing units in affected GN divisions* by size of**

Muthur DS division of Trincomalee District - April 2005

Affected GN Division		Total no.of damaged** housing units	Size of housing units			
Name	No.		Less than 5 members	5 to 7 members	8 or more members	Not reported
Dahanagar	224C	11	4	6	1	0
Iralkully	224D	48	34	14	0	0
Kadakkaraichenai	222C	37	23	10	4	0
Keenithivu	221	56	39	14	3	0
Nadattivu	223E	149	92	49	8	0
Nalure	219A	224	167	53	4	0
Navarathuapuram	221A	114	94	19	1	0
Thakwa Nagar	223C	591	332	192	67	0
Total		1230	785	357	88	0

*Statistics are given here only for the affected GN divisions.

**Damaged - Fully damaged , Partially damaged (unusable) and Partially damaged (usable) housing units only are considered damaged.

Note : Number of housing units surveyed in stage 2 were greater than the number of housing units listed in stage 1 because some housing units were identified as damaged at later stage.

Source : Department of Census & Statistics

Table 6: Distribution of population in affected GN divisions* by the age group

Muthur DS division of Trincomalee District - April 2005

Affected GN Division		Affected Population #	Age Group (Years)			
Name	No.		Less than 5	5 - 14	15-29	30 or more
Dahanagar	224C	59	8	13	18	20
Iralkully	224D	162	15	37	57	53
Kadakkaraichenai	222C	137	9	30	51	47
Keenithivu	221	209	10	57	70	72
Nadattivu	223E	529	54	108	167	200
Nalure	219A	761	134	195	210	222
Navarathuapuram	221A	372	46	81	135	110
Thakwa Nagar	223C	2592	316	791	773	712
Total		4821	592	1312	1481	1436

*Statistics are given here only for the affected GN divisions.

Affected population - Total number of persons living in the damaged housing units.

Note : Number of housing units surveyed in stage 2 were greater than the number of housing units listed in stage 1 because some housing units were identified as damaged at later stage.

Source : Department of Census & Statistics

Table 7: Number of persons who were disabled/injured/sick^{##} due to Tsunami 2004 in affected GN divisions*

Muthur DS division of Trincomalee District - April 2005

Affected GN Division		Affected Population #	No of persons disabled/injured/sick ^{##} due to Tsunami
Name	No.		
Dahanagar	224C	59	7
Iralkully	224D	162	16
Kadakkaraichenai	222C	137	2
Keenithivu	221	209	4
Nadattivu	223E	529	24
Nalure	219A	761	35
Navarathuapuram	221A	372	10
Thakwa Nagar	223C	2592	270
Total		4821	368

*Statistics are given here only for the affected GN divisions.

Affected population - Total number of persons living in the damaged housing units.

##-Of the persons living in the damaged housing unit

Note : Number of housing units surveyed in stage 2 were greater than the number of housing units listed in stage 1 because some housing units were identified as damaged at later stage.

Source : Department of Census & Statistics

Table 8: Number of persons[?] engaged in fishing⁺ before and after Tsunami in affected GN divisions*

Muthur DS division of Trincomalee District - April 2005

Affected GN Division		No. of persons engaged	
Name	No.	Before Tsunami	After Tsunami
Dahanagar	224C	7	6
Iralkully	224D	33	3
Kadakkaraichenai	222C	22	0
Keenithivu	221	31	1
Nadattivu	223E	69	31
Nalure	219A	158	15
Navarathuapuram	221A	57	13
Thakwa Nagar	223C	173	77
Total		550	146

*Statistics are given here only for the affected GN divisions.

+ Fishing - Persons engaged in fishing for selling (not only for home consumption) as employers, employees & own account workers are included here.

? Persons engaged in the activity in the damaged housing units.

Note : Number of housing units surveyed in stage 2 were greater than the number of housing units listed in stage 1 because some housing units were identified as damaged at later stage.

Source : Department of Census & Statistics

Table 9: Number of persons [?] engaged in other fishery related industries⁺ before and after Tsunami in affected GN divisions*

Muthur DS division of Trincomalee District - April 2005

Affected GN Division		No. of persons engaged	
Name	No.	Before Tsunami	After Tsunami
Dahanagar	224C	1	0
Iralkully	224D	0	0
Kadakkaraichenai	222C	1	0
Keenithivu	221	1	0
Nadattivu	223E	9	0
Nalure	219A	4	1
Navarathuapuram	221A	9	8
Thakwa Nagar	223C	142	71
Total		167	80

*Statistics are given here only for the affected GN divisions.

+ Fishery related industries - Persons engaged in preparing dry fish, repairing of fishing nets and other implements etc. are included here.

[?] Persons engaged in the activity in the damaged housing units.

Note : Number of housing units surveyed in stage 2 were greater than the number of housing units listed in stage 1 because some housing units were identified as damaged at later stage.

Source : Department of Census & Statistics

Table 10: Number of persons[?] engaged in coir industry before and after Tsunami in affected GN divisions*

Muthur DS division of Trincomalee District - April 2005

Affected GN Division		No. of persons engaged	
Name	No.	Before Tsunami	After Tsunami
Dahanagar	224C	0	0
Iralkully	224D	0	0
Kadakkaraichenai	222C	0	0
Keenithivu	221	0	0
Nadattivu	223E	0	0
Nalure	219A	0	0
Navarathuapuram	221A	0	0
Thakwa Nagar	223C	1	0
Total		1	0

*Statistics are given here only for the affected GN divisions.

? Persons engaged in the activity in the damaged housing units.

Note : Number of housing units surveyed in stage 2 were greater than the number of housing units listed in stage 1 because some housing units were identified as damaged at later stage.

Source : Department of Census & Statistics

Table11: Number of persons[?] engaged in tourism industry before and after Tsunami in affected GN divisions*

Muthur DS division of Trincomalee District - April 2005

Affected GN Division		No. of persons engaged	
Name	No.	Before Tsunami	After Tsunami
Dahanagar	224C	0	0
Iralkully	224D	0	0
Kadakkaraichenai	222C	0	0
Keenithivu	221	0	0
Nadattivu	223E	0	0
Nalure	219A	0	0
Navarathuapuram	221A	0	0
Thakwa Nagar	223C	0	0
Total		0	0

*Statistics are given here only for the affected GN divisions.

? Persons engaged in the activity in the damaged housing units.

Note : Number of housing units surveyed in stage 2 were greater than the number of housing units listed in stage 1 because some housing units were identified as damaged at later stage.

Source : Department of Census & Statistics

Table 12: Number of persons² engaged in government employment⁺ before and after Tsunami in affected GN divisions*

Muthur DS division of Trincomalee District - April 2005

Affected GN Division		No. of persons engaged	
Name	No.	Before Tsunami	After Tsunami
Dahanagar	224C	4	4
Iralkully	224D	0	0
Kadakkaraichenai	222C	0	0
Keenithivu	221	2	2
Nadattivu	223E	9	8
Nalure	219A	0	0
Navarathuapuram	221A	0	0
Thakwa Nagar	223C	22	21
Total		37	35

*Statistics are given here only for the affected GN divisions.

+ Persons employed in public sector, provincial public sector and semi government are included here.

² Persons engaged in the activity in the damaged housing units.

Note : Number of housing units surveyed in stage 2 were greater than the number of housing units listed in stage 1 because some housing units were identified as damaged at later stage.

Source : Department of Census & Statistics

Table 13: Number of persons[?] engaged in other employment⁺ before and after Tsunami in affected GN divisions*

Muthur DS division of Trincomalee District - April 2005

Affected GN Division		No. of persons engaged	
Name	No.	Before Tsunami	After Tsunami
Dahanagar	224C	1	1
Iralkully	224D	18	3
Kadakkaraichenai	222C	16	4
Keenithivu	221	22	9
Nadattivu	223E	74	50
Nalure	219A	52	13
Navarathuapuram	221A	44	15
Thakwa Nagar	223C	280	210
Total		507	305

*Statistics are given here only for the affected GN divisions.

+ Which includes all other employment not specified in the previous tables.

? Persons engaged in the activity in the damaged housing units.

Note : Number of housing units surveyed in stage 2 were greater than the number of housing units listed in stage 1 because some housing units were identified as damaged at later stage.

Source : Department of Census & Statistics