



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)

**VRUGAL DS DIVISION
TRICOMALEE 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 Verugal 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 Verugal 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**

Etchalampattu(Verugal) 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
Anaithivu	214D	152	16	136	0
Ellnkaithurai	214C	104	2	102	0
Etchalampattu mugathuvara	214F	408	83	325	0
Verugal mugathuvarau	214E	486	102	383	1
Total		1150	203	946	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

Source : Department of Census & Statistics

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

Etchalampattu(Verugal) 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
Anaithivu	214D	152	141	0	0	11	0
Ellnkaithurai	214C	104	103	0	0	1	0
Etchalampattu mugathuvara	214F	408	402	1	0	2	3
Verugal mugathuvarau	214E	486	470	0	0	14	2
Total		1150	1116	1	0	28	5

*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**

Etchalampattu(Verugal) 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
Anaithivu	214D	152	126	23	3	0
Ellnkaithurai	214C	104	100	3	0	1
Etchalampattu mugathuvara	214F	408	347	49	8	4
Verugal mugathuvarau	214E	486	396	73	14	3
Total		1150	969	148	25	8

*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

Source : Department of Census & Statistics

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

Etchalampattu(Verugal) 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
Anaithivu	214D	152	148	4	0	0
Ellnkaithurai	214C	104	103	1	0	0
Etchalampattu mugathuvara	214F	408	407	1	0	0
Verugal mugathuvarau	214E	486	486	0	0	0
Total		1150	1144	6	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 housing**

Etchalampattu(Verugal) 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
Anaithivu	214D	152	86	60	6	0
Ellnkaithurai	214C	104	70	32	2	0
Etchalampattu mugathuvara	214F	408	232	147	29	0
Verugal mugathuvarau	214E	486	341	139	6	0
Total		1150	729	378	43	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

Source : Department of Census & Statistics

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

Etchalampattu(Verugal) 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
Anaithivu	214D	652	89	171	227	165
Ellnkaithurai	214C	389	63	109	119	98
Etchalampattu mugathuvara	214F	1761	223	496	611	431
Verugal mugathuvarau	214E	1785	224	488	601	472
Total		4587	599	1264	1558	1166

*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***

Etchalampattu(Verugal) DS division of Trincomalee District - April 2005

Affected GN Division		Affected Population #	No of persons disabled/injured/sick## due to Tsunami
Name	No.		
Anaithivu	214D	652	28
Ellnkaithurai	214C	389	7
Etchalampattu mugathuvara	214F	1761	35
Verugal mugathuvarau	214E	1785	163
Total		4587	233

*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

Source : Department of Census & Statistics

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

Etchalampattu(Verugal) DS division of Trincomalee District - April 2005

Affected GN Division		No. of persons engaged	
Name	No.	Before Tsunami	After Tsunami
Anaithivu	214D	51	5
Ellnkaithurai	214C	88	9
Etchalampattu mugathuvara	214F	95	4
Verugal mugathuvarau	214E	322	19
Total		556	37

*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*

Etchalampattu(Verugal) DS division of Trincomalee District - April 2005

Affected GN Division		No. of persons engaged	
Name	No.	Before Tsunami	After Tsunami
Anaithivu	214D	0	0
Ellnkaithurai	214C	6	1
Etchalampattu mugathuvara	214F	1	0
Verugal mugathuvarau	214E	14	4
Total		21	5

*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

Source : Department of Census & Statistics

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

Etchalampattu(Verugal) DS division of Trincomalee District - April 2005

Affected GN Division		No. of persons engaged	
Name	No.	Before Tsunami	After Tsunami
Anaithivu	214D	0	0
Ellnkaithurai	214C	0	0
Etchalampattu mugathuvara	214F	0	0
Verugal mugathuvarau	214E	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

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

Etchalampattu(Verugal) DS division of Trincomalee District - April 2005

Affected GN Division		No. of persons engaged	
Name	No.	Before Tsunami	After Tsunami
Anaithivu	214D	0	0
Ellnkaithurai	214C	0	0
Etchalampattu mugathuvara	214F	0	0
Verugal mugathuvarau	214E	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

Table 12: Number of persons[?] engaged in government employment⁺ before and after Tsunami in affected GN divisions*

Etchalampattu(Verugal) DS division of Trincomalee District - April 2005

Affected GN Division		No. of persons engaged	
Name	No.	Before Tsunami	After Tsunami
Anaithivu	214D	4	4
Ellnkaithurai	214C	0	0
Etchalampattu mugathuvara	214F	13	12
Verugal mugathuvarau	214E	12	10
Total		29	26

*Statistics are given here only for the affected GN divisions

+ Persons employed in public sector, provincial public sector and semi government 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 13: Number of persons[?] engaged in other employment⁺ before and after Tsunami in affected GN divisions*

Etchalampattu(Verugal) DS division of Trincomalee District - April 2005

Affected GN Division		No. of persons engaged	
Name	No.	Before Tsunami	After Tsunami
Anaithivu	214D	120	31
Ellnkaithurai	214C	7	1
Etchalampattu mugathuvara	214F	357	115
Verugal mugathuvarau	214E	185	54
Total		669	201

*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

Source : Department of Census & Statistics