



## **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)

**TOWN & GRAVETS DS DIVISION  
TRINCOMALEE DISTRICT**

**Department of Census and Statistics - 2005**

## **Preliminary Report – 2**

### **Census of Buildings and Persons Affected by the Tsunami – 2004**

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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 Town & Gravets 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 Town & Gravets 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**

Town & Gravets DS division of Trincomalee District - April 2005

Affected GN Division		Total no.of damaged** housing units	Material used for construction		
Name	No.		Permanent	Other <sup>⌘</sup>	Not reported
Abeyapura	244A	257	172	85	0
Linganagar	244R	40	26	14	0
Manayaveli	244F	174	46	128	0
Murugapuri	243G	232	114	118	0
Orr's hill	244P	53	45	8	0
Pattanatheru	244K	148	93	55	0
Peempugr	243O	80	32	47	1
Peruntheru	244L	22	16	6	0
Salli	242A	218	72	145	1
Thillainagar	244H	18	12	6	0
Thirukadaleer	243F	168	89	79	0
Uppuvali	243	227	5	222	0
Vellaimael	229	26	20	6	0
<b>Total</b>		<b>1663</b>	<b>742</b>	<b>919</b>	<b>2</b>

\*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**

Town & Gravets 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
Abeyapura	244A	257	37	32	1	171	16
Linganagar	244R	40	32	2	0	6	0
Manayaveli	244F	174	32	6	122	14	0
Murugapuri	243G	232	124	14	17	75	2
Orr's hill	244P	53	35	15	0	3	0
Pattanatheru	244K	148	77	25	17	26	3
Peempugr	243O	80	51	5	0	24	0
Peruntheru	244L	22	13	0	0	9	0
Salli	242A	218	152	9	0	57	0
Thillainagar	244H	18	13	0	0	4	1
Thirukadaleer	243F	168	147	5	0	16	0
Uppuvali	243	227	10	0	0	216	1
Vellaimael	229	26	22	0	0	4	0
<b>Total</b>		<b>1663</b>	<b>745</b>	<b>113</b>	<b>157</b>	<b>625</b>	<b>23</b>

\*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**

Town & Gravets 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
Abeyapura	244A	257	86	92	73	6
Linganagar	244R	40	17	5	16	2
Manayaveli	244F	174	100	46	25	3
Murugapuri	243G	232	83	128	16	5
Orr's hill	244P	53	10	12	31	0
Pattanatheru	244K	148	37	70	36	5
Peempugr	243O	80	31	42	7	0
Peruntheru	244L	22	5	13	4	0
Salli	242A	218	182	22	6	8
Thillainagar	244H	18	0	11	7	0
Thirukadaleer	243F	168	75	79	13	1
Uppuvali	243	227	152	64	7	4
Vellaimael	229	26	10	14	2	0
<b>Total</b>		<b>1663</b>	<b>788</b>	<b>598</b>	<b>243</b>	<b>34</b>

\*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<sup>@</sup> in affected GN divisions\***

Town & Gravets 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
Abeyapura	244A	257	229	17	11	0
Linganagar	244R	40	34	3	3	0
Manayaveli	244F	174	161	12	1	0
Murugapuri	243G	232	216	15	1	0
Orr's hill	244P	53	35	17	1	0
Pattanatheru	244K	148	117	23	8	0
Peempugr	243O	80	75	5	0	0
Peruntheru	244L	22	20	2	0	0
Salli	242A	218	209	9	0	0
Thillainagar	244H	18	18	0	0	0
Thirukadaleer	243F	168	150	16	2	0
Uppuvali	243	227	220	7	0	0
Vellaimael	229	26	22	2	2	0
<b>Total</b>		<b>1663</b>	<b>1506</b>	<b>128</b>	<b>29</b>	<b>0</b>

\*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.

<sup>@</sup> '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**

Town & Gravets 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
Abeyapura	244A	257	127	104	26	0
Linganagar	244R	40	18	19	3	0
Manayaveli	244F	174	85	84	5	0
Murugapuri	243G	232	113	109	10	0
Orr's hill	244P	53	19	22	12	0
Pattanatheru	244K	148	59	69	20	0
Peempugr	243O	80	37	37	6	0
Peruntheru	244L	22	14	6	2	0
Salli	242A	218	132	86	0	0
Thillainagar	244H	18	8	10	0	0
Thirukadaleer	243F	168	84	73	11	0
Uppuvali	243	227	136	78	13	0
Vellaimael	229	26	15	8	3	0
<b>Total</b>		<b>1663</b>	<b>847</b>	<b>705</b>	<b>111</b>	<b>0</b>

\*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**

Town &amp; Gravets 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
Abeyapura	244A	1245	134	241	398	472
Linganagar	244R	204	13	49	55	87
Manayaveli	244F	752	68	160	243	281
Murugapuri	243G	1067	147	259	309	352
Orr's hill	244P	301	21	51	90	139
Pattanatheru	244K	808	71	151	277	309
Peempugr	243O	381	45	99	110	127
Peruntheru	244L	98	11	13	38	36
Salli	242A	868	88	200	277	303
Thillainagar	244H	85	8	24	23	30
Thirukadaleer	243F	779	87	179	240	273
Uppuvali	243	954	156	237	320	241
Vellaimael	229	128	9	26	40	53
<b>Total</b>		<b>7670</b>	<b>858</b>	<b>1689</b>	<b>2420</b>	<b>2703</b>

\*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<sup>##</sup> due to Tsunami 2004 in affected GN divisions\***

Town & Gravets DS division of Trincomalee District - April 2005

Affected GN Division		Affected Population #	No of persons disabled/injured/sick <sup>##</sup> due to Tsunami
Name	No.		
Abeyapura	244A	1245	37
Linganagar	244R	204	8
Manayaveli	244F	752	7
Murugapuri	243G	1067	16
Orr's hill	244P	301	9
Pattanatheru	244K	808	34
Peempugur	243O	381	6
Peruntheru	244L	98	1
Salli	242A	868	36
Thillainagar	244H	85	1
Thirukadaleer	243F	779	12
Uppuvali	243	954	59
Vellaimael	229	128	1
<b>Total</b>		<b>7670</b>	<b>227</b>

\*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<sup>?</sup> engaged in fishing<sup>+</sup> before and after  
Tsunami in affected GN divisions\***

Town & Gravets DS division of Trincomalee District - April 2005

Affected GN Division		No. of persons engaged	
Name	No.	Before Tsunami	After Tsunami
Abeyapura	244A	21	14
Linganagar	244R	4	0
Manayaveli	244F	72	38
Murugapuri	243G	107	35
Orr's hill	244P	5	4
Pattanatheru	244K	193	152
Peempugr	243O	12	6
Peruntheru	244L	11	8
Salli	242A	182	15
Thillainagar	244H	9	6
Thirukadaleer	243F	46	0
Uppuvali	243	108	63
Vellaimael	229	7	5
<b>Total</b>		<b>777</b>	<b>346</b>

\*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 <sup>?</sup> engaged in other fishery related industries<sup>+</sup> before and after Tsunami in affected GN divisions\***

Town & Gravets DS division of Trincomalee District - April 2005

Affected GN Division		No. of persons engaged	
Name	No.	Before Tsunami	After Tsunami
Abeyapura	244A	118	104
Linganagar	244R	1	0
Manayaveli	244F	92	62
Murugapuri	243G	52	15
Orr's hill	244P	0	0
Pattanatheru	244K	12	12
Peempugr	243O	5	2
Peruntheru	244L	0	0
Salli	242A	0	0
Thillainagar	244H	0	0
Thirukadaleer	243F	35	1
Uppuvali	243	39	22
Vellaimael	229	3	3
<b>Total</b>		<b>357</b>	<b>221</b>

\*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<sup>?</sup> engaged in coir industry before and after Tsunami in affected GN divisions\***

Town & Gravets DS division of Trincomalee District - April 2005

Affected GN Division		No. of persons engaged	
Name	No.	Before Tsunami	After Tsunami
Abeyapura	244A	0	0
Linganagar	244R	0	0
Manayaveli	244F	0	0
Murugapuri	243G	1	1
Orr's hill	244P	0	0
Pattanatheru	244K	0	0
Peempugr	243O	0	0
Peruntheru	244L	0	0
Salli	242A	1	1
Thillainagar	244H	0	0
Thirukadaleer	243F	0	0
Uppuvali	243	0	0
Vellaimael	229	0	0
<b>Total</b>		<b>2</b>	<b>2</b>

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

<sup>?</sup> 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<sup>?</sup> engaged in tourism industry before and after Tsunami in affected GN divisions\***

Town & Gravets DS division of Trincomalee District - April 2005

Affected GN Division		No. of persons engaged	
Name	No.	Before Tsunami	After Tsunami
Abeyapura	244A	0	0
Linganagar	244R	0	0
Manayaveli	244F	0	0
Murugapuri	243G	0	0
Orr's hill	244P	0	0
Pattanatheru	244K	0	0
Peempugr	243O	1	0
Peruntheru	244L	0	0
Salli	242A	0	0
Thillainagar	244H	0	0
Thirukadaleer	243F	0	0
Uppuvali	243	0	0
Vellaimael	229	0	0
<b>Total</b>		<b>1</b>	<b>0</b>

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

<sup>?</sup> 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 persons<sup>?</sup> engaged in government employment<sup>+</sup> before and after Tsunami in affected GN divisions\***

Town & Gravets DS division of Trincomalee District - April 2005

Affected GN Division		No. of persons engaged	
Name	No.	Before Tsunami	After Tsunami
Abeyapura	244A	81	77
Linganagar	244R	24	24
Manayaveli	244F	24	24
Murugapuri	243G	14	14
Orr's hill	244P	40	40
Pattanatheru	244K	17	17
Peempugr	243O	27	26
Peruntheru	244L	7	7
Salli	242A	3	3
Thillainagar	244H	5	5
Thirukadaleer	243F	19	19
Uppuvali	243	33	13
Vellaimael	229	11	11
<b>Total</b>		<b>305</b>	<b>280</b>

\*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<sup>?</sup> engaged in other employment<sup>+</sup> before and after Tsunami in affected GN divisions\***

Town & Gravets DS division of Trincomalee District - April 2005

Affected GN Division		No. of persons engaged	
Name	No.	Before Tsunami	After Tsunami
Abeyapura	244A	189	150
Linganagar	244R	40	27
Manayaveli	244F	59	39
Murugapuri	243G	115	53
Orr's hill	244P	50	35
Pattanatheru	244K	66	51
Peempugr	243O	48	37
Peruntheru	244L	14	8
Salli	242A	69	22
Thillainagar	244H	11	11
Thirukadaleer	243F	130	47
Uppuvali	243	83	83
Vellaimael	229	17	10
<b>Total</b>		<b>891</b>	<b>573</b>

\*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