



## **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)

**BERUWALA DS DIVISION  
KALUTARA 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 Beruwala DS division of the Kalutara 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 Beruwala DS division of Kalutara districts 3 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**

Beruwala DS division of Kalutara District - February 2005

Affected GN Division		Total no. of damaged** housing units	Material used for construction		
Name	No.		Permanent	Other <sup>☼</sup>	Not reported
Akkaramale	743A	8	7	1	0
Aluthgama West	764	47	34	13	0
Diyalagoda	741	72	53	18	1
Ganegama	763	14	5	9	0
Gammadda	762B	5	4	1	0
Idiriligoda	746	6	6	0	0
Kaluwamodara West	762	9	7	2	0
Kuda Magalkanda	746A	12	12	0	0
Kuda Payagala North	734	102	93	9	0
Kuda Payagala South	734A	223	200	23	0
Maggonna East	743	3	1	2	0
Maggonna West	742	43	39	4	0
Maha Payagala	735	365	336	29	0
Mahagammedda	739	32	24	8	0
Maradana	754	105	95	9	1
Marakkalahawatta	747A	17	16	1	0
Moragalla	760	87	70	16	1
Munasinghagoda	741A	53	51	2	0
Paranakade	753	75	67	8	0
Payagala North	735A	431	421	10	0
Polkotuwa	748	30	23	7	0
Pothuvila West	740A	48	43	5	0
<b>Total</b>		<b>1787</b>	<b>1607</b>	<b>177</b>	<b>3</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'

Source : Department of Census & Statistics

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

Beruwala DS division of Kalutara District - February 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
Akkaramale	743A	8	8	0	0	0	0
Aluthgama West	764	47	39	0	0	8	0
Diyalagoda	741	72	43	1	20	7	1
Ganegama	763	14	8	2	0	4	0
Gammadda	762B	5	4	0	0	1	0
Idiriligoda	746	6	0	0	6	0	0
Kaluwamodara West	762	9	8	0	0	1	0
Kuda Magalkanda	746A	12	5	0	6	1	0
Kuda Payagala North	734	102	94	1	1	4	2
Kuda Payagala South	734A	223	194	6	14	9	0
Maggona East	743	3	0	0	0	3	0
Maggona West	742	43	12	3	20	8	0
Maha Payagala	735	365	294	10	39	18	4
Mahagammedda	739	32	30	1	1	0	0
Maradana	754	105	54	5	38	7	1
Marakkalahawatta	747A	17	7	0	10	0	0
Moragalla	760	87	67	2	12	6	0
Munasinghagoda	741A	53	48	3	0	1	1
Paranakade	753	75	66	0	1	6	2
Payagala North	735A	431	335	9	61	26	0
Polkotuwa	748	30	20	3	0	7	0
Pothuvila West	740A	48	47	1	0	0	0
<b>Total</b>		<b>1787</b>	<b>1383</b>	<b>47</b>	<b>229</b>	<b>117</b>	<b>11</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.

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**

Beruwala DS division of Kalutara District - February 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
Akkaramale	743A	8	2	2	1	3
Aluthgama West	764	47	5	22	20	0
Diyalagoda	741	72	15	29	26	2
Ganegama	763	14	3	7	3	1
Gammadda	762B	5	0	3	2	0
Idiriligoda	746	6	0	4	1	1
Kaluwamodara West	762	9	1	5	3	0
Kuda Magalkanda	746A	12	1	4	6	1
Kuda Payagala North	734	102	26	47	29	0
Kuda Payagala South	734A	223	47	110	60	6
Maggonna East	743	3	2	1	0	0
Maggonna West	742	43	17	16	10	0
Maha Payagala	735	365	66	130	160	9
Mahagammedda	739	32	19	8	5	0
Maradana	754	105	43	26	34	2
Marakkalahawatta	747A	17	10	3	4	0
Moragalla	760	87	18	31	37	1
Munasinghagoda	741A	53	24	18	8	3
Paranakade	753	75	6	27	39	3
Payagala North	735A	431	107	133	181	10
Polkotuwa	748	30	8	5	17	0
Pothuvila West	740A	48	13	16	19	0
<b>Total</b>		<b>1787</b>	<b>433</b>	<b>647</b>	<b>665</b>	<b>42</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.

Source : Department of Census & Statistics

**Table 4: Number of damaged\*\* housing units by number of families<sup>@</sup> in affected GN divisions\***

Beruwala DS division of Kalutara District - February 2005

Affected GN Division		Total no. of damaged** housing units	Number of families			
Name	No.		1 Family	2 Families	3 or more	Not reported
Akkaramale	743A	8	8	0	0	0
Aluthgama West	764	47	46	1	0	0
Diyalagoda	741	72	67	3	2	0
Ganegama	763	14	14	0	0	0
Gammadda	762B	5	5	0	0	0
Idiriligoda	746	6	5	1	0	0
Kaluwamodara West	762	9	9	0	0	0
Kuda Magalkanda	746A	12	11	0	1	0
Kuda Payagala North	734	102	97	4	1	0
Kuda Payagala South	734A	223	218	5	0	0
Maggona East	743	3	3	0	0	0
Maggona West	742	43	41	1	1	0
Maha Payagala	735	365	353	10	2	0
Mahagammedda	739	32	32	0	0	0
Maradana	754	105	88	5	12	0
Marakkalahawatta	747A	17	17	0	0	0
Moragalla	760	87	84	2	1	0
Munasinghagoda	741A	53	53	0	0	0
Paranakade	753	75	72	3	0	0
Payagala North	735A	431	412	15	4	0
Polkotuwa	748	30	30	0	0	0
Pothuvila West	740A	48	44	2	2	0
<b>Total</b>		<b>1787</b>	<b>1709</b>	<b>52</b>	<b>26</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

Source : Department of Census & Statistics

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

Beruwala DS division of Kalutara District - February 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
Akkaramale	743A	8	3	3	2	0
Aluthgama West	764	47	18	24	5	0
Diyalagoda	741	72	39	25	8	0
Ganegama	763	14	4	9	1	0
Gammadda	762B	5	1	4	0	0
Idiriligoda	746	6	3	3	0	0
Kaluwamodara West	762	9	5	4	0	0
Kuda Magalkanda	746A	12	6	5	1	0
Kuda Payagala North	734	102	60	40	2	0
Kuda Payagala South	734A	223	125	92	6	0
Maggona East	743	3	3	0	0	0
Maggona West	742	43	21	16	6	0
Maha Payagala	735	365	210	139	16	0
Mahagammedda	739	32	21	10	1	0
Maradana	754	105	18	47	39	1
Marakkalahawatta	747A	17	10	7	0	0
Moragalla	760	87	45	35	7	0
Munasinghagoda	741A	53	25	25	3	0
Paranakade	753	75	39	29	7	0
Payagala North	735A	431	257	159	15	0
Polkotuwa	748	30	10	17	3	0
Pothuvila West	740A	48	28	15	5	0
<b>Total</b>		<b>1787</b>	<b>951</b>	<b>708</b>	<b>127</b>	<b>1</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.

Source : Department of Census & Statistics

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

Beruwala DS division of Kalutara District - February 2005

Affected GN Division		Affected Population #	Age Group (Years)			
Name	No.		Less than 5	5 - 14	15-29	30 or more
Akkaramale	743A	39	1	8	11	19
Aluthgama West	764	240	17	36	82	105
Diyalagoda	741	348	23	60	100	165
Ganegama	763	70	6	9	26	29
Gammadda	762B	26	0	4	9	13
Idiriligoda	746	26	3	3	6	14
Kaluwamodara West	762	44	1	5	10	28
Kuda Magalkanda	746A	59	5	9	15	30
Kuda Payagala North	734	428	49	67	95	217
Kuda Payagala South	734A	987	86	159	283	459
Maggona East	743	10	2	1	2	5
Maggona West	742	211	20	34	50	107
Maha Payagala	735	1547	113	248	387	799
Mahagammedda	739	133	9	23	25	76
Maradana	754	805	106	179	224	296
Marakkalahawatta	747A	74	6	18	13	37
Moragalla	760	400	26	61	127	186
Munasinghagoda	741A	228	15	42	51	120
Paranakade	753	363	29	48	124	162
Payagala North	735A	1861	161	260	542	898
Polkotuwa	748	152	16	25	39	72
Pothuvila West	740A	218	14	44	47	113
<b>Total</b>		<b>8269</b>	<b>708</b>	<b>1343</b>	<b>2268</b>	<b>3950</b>

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

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

Source : Department of Census &amp; Statistics

**Table 7: Number of persons who were disabled/injured/sick<sup>##</sup> due to Tsunami 2004 in affected GN divisions\***

Beruwala DS division of Kalutara District - February 2005

Affected GN Division		Affected Population #	No of persons disabled/injured/sick <sup>##</sup> due to Tsunami
Name	No.		
Akkaramale	743A	39	0
Aluthgama West	764	240	10
Diyalagoda	741	348	18
Ganegama	763	70	4
Gammadda	762B	26	0
Idiriligoda	746	26	0
Kaluwamodara West	762	44	5
Kuda Magalkanda	746A	59	0
Kuda Payagala North	734	428	14
Kuda Payagala South	734A	987	20
Maggon East	743	10	0
Maggon West	742	211	3
Maha Payagala	735	1547	48
Mahagammedda	739	133	0
Maradana	754	805	9
Marakkalahawatta	747A	74	1
Moragalla	760	400	15
Munasinghagoda	741A	228	6
Paranakade	753	363	6
Payagala North	735A	1861	25
Polkotuwa	748	152	5
Pothuvila West	740A	218	3
<b>Total</b>		<b>8269</b>	<b>192</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

Source : Department of Census & Statistics

**Table 8: Number of persons<sup>Δ</sup> engaged in fishing<sup>+</sup> before and after Tsunami in affected GN divisions\***

Beruwala DS division of Kalutara District - February 2005

Affected GN Division		No. of persons engaged	
Name	No.	Before Tsunami	After Tsunami
Akkaramale	743A	0	0
Aluthgama West	764	16	9
Diyalagoda	741	15	0
Ganegama	763	0	0
Gammadda	762B	0	0
Idiriligoda	746	1	1
Kaluwamodara West	762	0	0
Kuda Magalkanda	746A	4	3
Kuda Payagala North	734	22	8
Kuda Payagala South	734A	54	20
Maggona East	743	0	0
Maggona West	742	4	1
Maha Payagala	735	68	6
Mahagammedda	739	2	1
Maradana	754	23	13
Marakkalahawatta	747A	6	5
Moragalla	760	11	7
Munasinghagoda	741A	1	0
Paranakade	753	48	31
Payagala North	735A	94	23
Polkotuwa	748	14	11
Pothuvila West	740A	4	0
<b>Total</b>		<b>387</b>	<b>139</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

Δ Persons engaged in the activity in the damaged housing units

Source : Department of Census & Statistics

**Table 9: Number of persons<sup>Δ</sup> engaged in other fishery related industries<sup>+</sup> before and after Tsunami in affected GN divisions\***

Beruwala DS division of Kalutara District - February 2005

Affected GN Division		No. of persons engaged	
Name	No.	Before Tsunami	After Tsunami
Akkaramale	743A	1	1
Aluthgama West	764	3	1
Diyalagoda	741	8	0
Ganegama	763	0	0
Gammadda	762B	0	0
Idiriligoda	746	0	0
Kaluwamodara West	762	0	0
Kuda Magalkanda	746A	2	1
Kuda Payagala North	734	5	4
Kuda Payagala South	734A	49	26
Maggona East	743	0	0
Maggona West	742	8	4
Maha Payagala	735	43	10
Mahagammedda	739	0	0
Maradana	754	28	8
Marakkalahawatta	747A	5	4
Moragalla	760	3	1
Munasinghagoda	741A	2	2
Paranakade	753	36	28
Payagala North	735A	52	28
Polkotuwa	748	10	2
Pothuvila West	740A	1	1
<b>Total</b>		<b>256</b>	<b>121</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.

Δ Persons engaged in the activity in the damaged housing units

Source : Department of Census & Statistics

**Table 10: Number of persons<sup>Δ</sup> engaged in coir industry before and after Tsunami in affected GN divisions\***

Beruwala DS division of Kalutara District - February 2005

Affected GN Division		No. of persons engaged	
Name	No.	Before Tsunami	After Tsunami
Akkaramale	743A	0	0
Aluthgama West	764	0	0
Diyalagoda	741	0	0
Ganegama	763	0	0
Gammadda	762B	0	0
Idiriligoda	746	0	0
Kaluwamodara West	762	0	0
Kuda Magalkanda	746A	0	0
Kuda Payagala North	734	0	0
Kuda Payagala South	734A	0	0
Maggona East	743	0	0
Maggona West	742	0	0
Maha Payagala	735	0	0
Mahagammedda	739	0	0
Maradana	754	0	0
Marakkalahawatta	747A	0	0
Moragalla	760	0	0
Munasinghagoda	741A	0	0
Paranakade	753	2	0
Payagala North	735A	0	0
Polkotuwa	748	0	0
Pothuvila West	740A	0	0
<b>Total</b>		<b>2</b>	<b>0</b>

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

<sup>Δ</sup> Persons engaged in the activity in the damaged housing units

Source : Department of Census & Statistics

**Table11: Number of persons<sup>Δ</sup> engaged in tourism industry before and after Tsunami in affected GN divisions\***

Beruwala DS division of Kalutara District - February 2005

Affected GN Division		No. of persons engaged	
Name	No.	Before Tsunami	After Tsunami
Akkaramale	743A	1	0
Aluthgama West	764	29	5
Diyalagoda	741	5	0
Ganegama	763	5	0
Gammadda	762B	6	0
Idiriligoda	746	0	0
Kaluwamodara West	762	6	2
Kuda Magalkanda	746A	1	0
Kuda Payagala North	734	10	6
Kuda Payagala South	734A	2	2
Maggona East	743	0	0
Maggona West	742	2	0
Maha Payagala	735	14	5
Mahagammedda	739	0	0
Maradana	754	10	1
Marakkalahawatta	747A	0	0
Moragalla	760	75	11
Munasinghagoda	741A	0	0
Paranakade	753	6	4
Payagala North	735A	16	16
Polkotuwa	748	2	2
Pothuvila West	740A	0	0
<b>Total</b>		<b>190</b>	<b>54</b>

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

<sup>Δ</sup> Persons engaged in the activity in the damaged housing units

Source : Department of Census & Statistics

**Table 12: Number of persons<sup>Δ</sup> engaged in government employment<sup>+</sup> before and after Tsunami in affected GN divisions\***

Beruwala DS division of Kalutara District - February 2005

Affected GN Division		No. of persons engaged	
Name	No.	Before Tsunami	After Tsunami
Akkaramale	743A	0	0
Aluthgama West	764	7	7
Diyalagoda	741	18	18
Ganegama	763	1	1
Gammadda	762B	0	0
Idiriligoda	746	1	1
Kaluwamodara West	762	1	1
Kuda Magalkanda	746A	1	1
Kuda Payagala North	734	9	9
Kuda Payagala South	734A	15	15
Maggona East	743	0	0
Maggona West	742	8	7
Maha Payagala	735	66	62
Mahagammedda	739	10	10
Maradana	754	6	6
Marakkalahawatta	747A	0	0
Moragalla	760	8	6
Munasinghagoda	741A	0	0
Paranakade	753	1	1
Payagala North	735A	86	76
Polkotuwa	748	11	9
Pothuvila West	740A	8	8
<b>Total</b>		<b>257</b>	<b>238</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.

<sup>Δ</sup> Persons engaged in the activity in the damaged housing units

Source : Department of Census & Statistics

**Table 13: Number of persons<sup>Δ</sup> engaged in other employment<sup>+</sup> before and after Tsunami in affected GN divisions\***

Beruwala DS division of Kalutara District - February 2005

Affected GN Division		No. of persons engaged	
Name	No.	Before Tsunami	After Tsunami
Akkaramale	743A	6	5
Aluthgama West	764	28	18
Diyalagoda	741	72	41
Ganagama	763	12	8
Gammadda	762B	2	1
Idiriligoda	746	10	8
Kaluwamodara West	762	6	5
Kuda Magalkanda	746A	8	7
Kuda Payagala North	734	120	72
Kuda Payagala South	734A	209	141
Maggona East	743	3	3
Maggona West	742	45	36
Maha Payagala	735	382	159
Mahagammedda	739	30	19
Maradana	754	127	96
Marakkalahawatta	747A	17	4
Moragalla	760	35	18
Munasinghagoda	741A	79	56
Paranakade	753	29	21
Payagala North	735A	450	295
Polkotuwa	748	13	11
Pothuvila West	740A	44	36
<b>Total</b>		<b>1727</b>	<b>1060</b>

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

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

Δ Persons engaged in the activity in the damaged housing units

Source : Department of Census & Statistics