ACEH FLOOD

Damage and Loss Assessment



ACEH FLOOD

Damage and Loss Assessment

Table of Contents

Table of Contents	iii
Acknowledgements	vii
Glossary	viii
Executive Summary	ix
I. THE ACEH FLOODS	
The Floods of December 2006	2
The Aceh Flood Assessment	3
Affected Locations and People	5
II. ESTIMATIONS OF DAMAGE AND LOSSES	7
Summary of Damage and Losses from the Floods	
Affected Sectors	
Infrastructure and Housing	
Productive Sector	
Social Sector	
Government Sector	
Government Sector	14
III. IMPACT BY DISTRICT	15
Geographic Spread of Damage and Losses	16
Aceh Tamiang	16
Aceh Utara	19
Aceh Timur	20
Gayo Lues	21
Bireuen	
Bener Meriah	24
Aceh Tengah	
Concentration of Impacts	
IV. CONCLUSIONS AND RECOMMENDATIONS	31
Conclusions	32
Recommendations	
ANNEXES	35
List of Boxes	
Box 1. The Kecamatan Development Program (Kdp) in Aceh	3
Box 2. Estimation of Damage and Losses	8
Box A1: Damage Data Collected	36
Box A2: Estimate of Losses	38

List of Tables

Table 1. Number of Affected Sub-Districts and Villages – By District	5
Table 2: Deaths, Injuries and Affected Population – By District	
Table 3: Damage and Losses – Key Items By Sector	9
Table 4: Infrastructure and Housing Sector Damage and Losses – By Sub-Sector	
Table 5: Productive Sector Damage and Losses – By Sub-Sector	
Table 6: Social Sector Damage and Losses – By Sub-Sector	
Table 7: Key Damage and Losses – Aceh Tamiang	
Table 8: Damage and Losses for Five Most Affected Sub-Districts – Aceh Tamiang	
Table 9: Key Damage and Losses – Aceh Utara	
Table 10: Damage and Losses for Five Most Affected Sub-Districts – Aceh Utara	
Table 11: Key Damage and Losses – Aceh Timur	
Table 12: Damage and Losses for All Six Affected Sub-Districts – Aceh Timur	
Table 11: Key Damage and Losses – Gayo Lues	
Table 14: Key Damage and Losses – Bireuen Table 15: Damage and Losses for All Six Affected Sub-Districts – Bireuen	
Table 15: Damage and Losses for All Six Affected Sub-Districts – Bireden	
Table 10: Ney Daniage and Losses – Bener Menan	
Table 18: Key Damage and Losses – Aceh Tengah	
Table 19: Sub-District Damage Intensity	
Table 20: Damage and Losses for Ten Most Affected Sub-Districts	
Table 21: Sub-District Damage Intensity – By District	
Table 22: Village Damage Averages	
Table 23: Village Damage Intensity – By District	
Table 24. Damage and Losses for Ten Most Affected Villages	29
List of Figures	
Figure 1: Productive Age of Affected Population	6
Figure 2: Occupation of Affected Population	
Figure 3: International Comparison of Damage and Losses	
Figure 4: Damage and Losses – By Sector	
Figure 5: Infrastructure and Housing Sector Damage and Losses –% Sub-Sector	
Figure 6: Number of Houses Damaged - By District	
Figure 7: Productive Sector Damage and Losses – % Sub-Sector	
Figure 8: Agricultural Field Damage (Hectares) – By District	
Figure 9: Social Sector Damage and Losses – Sub-Sector%	
Figure 10: Damage and Losses – By District	16
List of Map	
Map 1. Provincial Map of Affected Locations	2
Map 2: Affected Sub-District in Aceh Tamiang	
Map 3: Affected Sub-Districts in Aceh Utara	
Map 4: Affected Sub-Districts in Aceh Timur	
Map 5: Affected Sub-Districts in Gayo Lues	
Map 6: Affected Sub-Districts in Bireuen	
Map 7: Affected Sub-Districts in Bener Meriah	
Map 8: Affected Sub-Districts in Aceh Tengah	

ACKNOWLEDGEMENTS

The Aceh Flood Assessment is a joint product of the Government of Indonesia's Kecamatan Development Program and the World Bank, and was undertaken at the request of the Aceh Flood Coordinator (then the acting District Head of Aceh Utara) and Satkorlak (the Provincial Coordinating Body for Disaster Management).

The report was led by a core team consisting of: Patrick Barron, Samuel Clark, Muslahuddin Daud, Ahmad Zaki Fahmi, Yustina Hasibuan and Ambar Mawardi (World Bank), and M. Rusli (KDP).

The assessment could not have been completed without the dedicated contribution of the following individuals:

KDP team in Aceh: Ramli (from the KDP Regional Management Unit). Thanks also to the tireless work of KMKabs (District Management Consultants), FKs (Kecamatan Facilitators) and FDs (Village Facilitators) in Aceh Tamiang, Aceh Tengah, Aceh Timur, Aceh Utara, Bener Meriah, Bireuen, and Gayo Lues.

Government: Teuku Pribadi (former acting District Head of Aceh Utara), Sarwono (Head of Satkorlak) and Richard Gnagey (PMD).

World Bank: Magda Adriani, Nyak Anwar, Victor Bottini, Cut Dian, Ratnasari Dewi, Wolfgang Fengler, Joel Hellman, Mustafa Imbrahim, Ismail, Zejd Muhammad, Teuku Umar, Sri Wahyuni, and Susan Wong.

Other agencies: Satoko Nakagawa, Jorg Meier, Enayat Madani, and Andre Therik (UNORC), and James Bean and Tarun Kumar Mallick (IOM).

For more information, contact:

pbarron@worldbank.org sclark@worldbank.org amawardi@wboj.or.id

GLOSSARY

APBN National State Budget

Balai Desa Community Hall

Bengkel Mechanics or Auto-Repair Garage

Bupati District Head

BPS National Statistics Office

BRR Aceh Reconstruction and Rehabilitation Agency

CDD Community-Driven Development

FD KDP Village Facilitator

FK KDP Kecamatan Facilitator

Ha Hectares
HH Household

Kabupaten District

KDP Kecamatan Development Program

Kecamatan Sub-district
Km Kilometres

KMKab KDP District Management Consultant

MCK Public Toilet Block

Meunasah Prayer House

Podes Village Potential Survey

Rp. Rupiah, Indonesian currency (USD\$1 = Rp. 9,000)

Satkorlak Provincial Coordinating Body for Disaster Management

UNORC Office of the United Nations Recovery Coordinator for Aceh and Nias

EXECUTIVE SUMMARY

In late December 2006, widespread flooding struck eastern and central Aceh and parts of neighboring North Sumatra province. Seven Acehnese districts were affected: Aceh Tamiang, Aceh Timur, Bireuen and Aceh Utara on the east coast; and Aceh Tengah, Bener Meriah and Gayo Lues in the highlands.

Government requested that a damage assessment be carried out in affected areas to assess the damage and to better design post-emergency assistance. The survey was carried out through the network of the Kecamatan Development Program (KDP) from December 30 - January 19 in affected villages.

THE ACEH FLOODS

The assessment indicates that 757 villages in 46 sub-districts in seven Acehnese districts were affected. In Aceh Tamiang and Aceh Utara almost every sub-district and village was affected; in the other five districts a smaller percentage of sub-districts and villages were affected.

The floods affected over half a million people, but fortunately deaths and injuries were relatively low. 512,879 people live in affected villages. The survey indicated that there were 47 deaths and 8,460 injuries (1.5% of affected population). The poor make up 27% of flood-affected households.

ESTIMATION OF DAMAGE AND LOSSES

The total damage and losses caused by the flood are estimated at US\$ 210 million or Rp. 1.9 trillion. Damage constitute a greater share of the total: US\$ 198 million (or Rp. 1.78 trillion or 94%), compared to the US\$ 12 million (Rp. 110 billion) in losses, although this in part is due to limited available data on losses. Private damage and losses far outweighed public damage and losses, accounting for 70% of the total.

Damage and losses from the flood are concentrated in two main sectors: infrastructure and housing and the productive sector. Damage and losses in the former amounts to Rp. 1.33 trillion (\$148 million), or 71% of total damage and losses. In the productive sector, damage and losses are estimated at Rp. 418 billion (\$46 million), or 22%.

A total of 4,412 homes require replacement, 13,124 were heavily damaged, and 24,874 were lightly damaged. Overall, housing damage and losses account for US\$ 105 million (Rp. 952 billion), 51% of the total from the floods.

The agricultural sector was particularly hard-hit. The survey indicates that a total of 2,353ha of agricultural land require rehabilitation, 14,440ha were heavily damaged, and 7,610ha were lightly damaged. Rehabilitating the productive sector will be crucial for facilitating the return to "normal" social and economic living conditions.

IMPACTS BY DISTRICT

Over 75% of damage and losses were concentrated in two districts: Aceh Tamiang and Aceh Utara. These two districts sustained damage and losses totalling Rp. 1 trillion (\$115 million) and Rp. 515 billion (\$57 million) respectively. The least affected district was Aceh Tengah with Rp. 6.9 billion of impacts (\$769,189).

Some sub-districts were more affected than others. Total damage and losses for sub-districts range from a high of Rp. 118 billion (\$13 million) for Banda Pusaka in Aceh Tamiang, to a low of Rp. 99 million (\$11,107) for Dewantara, Aceh Utara. Indeed, the ten most affected sub-districts account for approximately 58% of total damage and losses across the province, or Rp. 1 trillion (\$121 million).

There is also significant variation in damage and losses per village within and across districts. Calculated at the sub-district level, village averages range from a high of Rp. 23 billion (\$2.5 million) per village in Tenggulan sub-district, in Aceh Tamaing, to a low of Rp. 96 million (\$10,720) per village in Nisam, in Aceh Utara. The ten most affected villages account for 16% of damage and losses across the province, or Rp. 407 billion (\$34 million). All these villages are located in the ten most affected sub-districts, which are located in Aceh Tamiang, Aceh Utara and Aceh Timur.

RECOMMENDATIONS

Expand Existing Tsunami Programs. Many existing programs cover key sectors affected by the flood, particularly housing, agriculture, roads, schools and health.

Target Funds Locally. The massive variation in impacts suggests that funds should be allocated at the sub-district or village level.

Utilize Community-Driven Development Mechanisms. The types of damage vary considerably between areas. Adopting a community-based approach can help match funding to diverse community needs and can increase community ownership.

Manage Expectations and Complaints. The tsunami reconstruction process highlights the importance of managing expectations and responding to complaints when they occur.

I. THE ACEH FLOODS

"The flood came while I was preparing for my daughter's wedding party. One cow was already cooked and it started floating in the water. The height of the water was almost up to the roof of our house. Fortunately my family and I were able to escape to the hill beside our village. We were lucky because the water came from the street very fast, and took only a short time to get to a very high level. But thanks to Allah, nobody from this village died.

I trade in my kiosk everyday and also sell fried bananas. But because of the flood, everything is gone. During the flood I was given only rice and instant noodles to survive. In the past month, I have begun to trade again because others in my family have given me assistance."

> Halimatussa'diah 55 year-old widow Bukit Rata village, Sub-district Kejuruan Muda, Aceh Tamiang

The Floods of December 2006

In late December 2006, widespread flooding hit eastern and central Aceh and parts of neighboring North Sumatra province. Heavy rains caused rivers to burst their banks. Deforestation caused by widespread logging—much of it illegal—contributed to the problem. Seven Acehnese districts were affected: Aceh Tamiang, Aceh Timur, Bireuen and Aceh Utara on the east coast; and Aceh Tengah, Bener Meriah and Gayo Lues in-land. As flood levels rose in the last week of December, hundreds of thousands of people were displaced from their homes. Aceh Tamiang, in particular, was heavily affected with a large proportion of the district under water.



Map 1. Provincial Map of Affected Locations

RESPONSE

The Government responded quickly and also requested donor and NGO assistance. A coordination team, led by Satkorlak (Provincial Coordinating Body for Disaster Management) was established and a command center was set up in Lhokseumawe. The acting district head for Aceh Utara was given

responsibility for coordination on the ground. Emergency supplies (rice, tents, medicine) were delivered to affected areas. The Government requested that the office of the United Nations Recovery Coordinator for Aceh and Nias (UNORC) coordinate donor assistance, in particular for Aceh Tamiang district.

The shift to longer-term reconstruction and rehabilitation, however, has been slower. Key factors delaying this shift to a longer-term response include resolving financing issues, delays in cleaning away mud due to the lack of heavy earth-moving equipment, and the lack of quantitative data on the extent and whereabouts of the damage and losses. The Aceh Tamiang government in March, for example, submitted a proposal for special funding to the central government for Rp. 1.7 trillion (\$190 million), covering housing, roads, and livelihoods. The central government's response has reportedly been slow, with only commitments for the reconstruction of 1,000 houses from APBN (Anggaran Pendapatan Belanja Negara—National State Budget) confirmed as of April 24. Local and international NGOs are also still working in the affected areas. However, their activities are on a smaller scale and remain mostly focused on shorter-term relief efforts, such as the distribution of water, food, and temporary shelter (tents). The tsunami reconstruction agency (BRR) has committed to building 125 houses in Aceh Tamiang, which, as this assessment indicates, only meets a fraction of the need.

The Aceh Flood Assessment

Government requested that a damage assessment be carried out in affected areas to assess the damage and to better design post-emergency assistance. The survey was carried out through the network of the Kecamatan Development Program (KDP), which has facilitators in every village in Aceh (see Box 1). The World Bank was asked to provide assistance in developing the survey instruments, training facilitators, and analyzing the data.

Box 1. The Kecamatan Development Program (KDP) in Aceh

KDP is a World Bank-financed Government of Indonesia project that works in rural villages across Indonesia. Since it started in 1998, the project has covered 34,000 villages in every Indonesian province apart from Jakarta, Bengkulu and Bangka Belitung. KDP provides block grants to the local level that are used for small projects that accord with the wishes of communities. Meetings are held at the village level to develop proposals (for smallinfrastructure, irrigation, health and education projects, economic activities, etc.). These proposals are prioritized at the sub-district level at a meeting of representatives from each village. Communities make all decisions on what proposals to develop, which should be financed, and how implementation is to take place.

In Aceh, KDP now operates in all 5726 rural villages (most urban villages in Banda Aceh, Langsa, Sabang and Lhokseumawe are not covered by the program). KDP operated since 1998 when conflict still raged across Aceh. After the tsunami, the Government decided to scale-up KDP from its then coverage of 1/3 of the province. Donors put large sums of money through the program for immediate tsunami relief and to aid longer-term reconstruction. The Government also decided to use the KDP network and system to distribute almost US\$ 60 million of reintegration aid to conflict victims.

To manage the process, facilitators with technical engineering and social empowerment skills exist at the district and sub-district levels. Every village has two local facilitators. These facilitators collected the information contained in the report.

The assessment was conducted in all affected villages and utilized local knowledge for assessing impacts. Immediately after the flooding started, district meetings of KDP facilitators were held to map out which sub-districts and villages had been impacted. Data was collected primarily by the KDP village facilitators. Each filled out a summary form for their village. In completing the formats, facilitators toured the affected areas in their villages, recording information on levels and extent of damage. They also spoke with others in the village, including victims and village leaders, to get more accurate estimates of damage. In some areas, they had to wait for the floods to subside before they could collect accurate data. Technical facilitators at the sub-district and district level then verified forms. The latter facilitators are all experienced civil engineers and were able to correct any local mistakes. The World Bank team entered and cleaned the data, cross-checked a sample of forms, and followed-up with facilitators where entered values appeared to be inaccurate.

Full village surveys were conducted from December 30 – January 19 in affected villages. The survey thus captures the impacts of the floods in the two-three weeks following the disaster. Because the forms were at the village level, the survey may miss damage associated with the flood at higher administrative levels.

The survey was able to take place quickly because the KDP facilitators had in previous months conducted a similar exercise to estimate infrastructure damage from the tsunami, conflict and poor maintenance. The 2006 KDP Aceh Village Survey was conducted in every village in Aceh and collected data on infrastructure and social aspects. The Flood Assessment survey instruments are a simplified version of those used earlier—hence they had already been piloted and amended. Little training was needed for local KDP facilitators because they already had experience doing damage assessments in the previous survey. This helped ensure that the survey could be launched quickly and that data was relatively accurate. For a longer description of the methodology and a copy of the survey instrument, see Annexes A and B respectively.

This report provides a summary of data collected in the flood assessment. Data was initially provided to local government at the end of February and was presented to international agencies active in flood relief and reconstruction in a UNORC seminar on March 15, 2007. The report provides information on:

- Affected locations and people (the rest of this section);
- Estimates of damage and losses (Section II);
- Impacts by district (Section III)

It finishes with Conclusions and Recommendations (Section IV). Data break-downs are annexed, as in an explanation of the methodology and assumptions used for generating cost estimates.²

¹ Ministry of Home Affairs, Kecamatan Development Program, World Bank (2007), 2006 Village Survey in Aceh: An Assessment of Village Infrastructure and Social Conditions (Banda Aceh and Jakarta).

² Complete data reports for the 757 affected villages (totalling 2,271 pages) are available in softcopy, as is the database. Please contact Ambar Mawardi (amawardi@wboj.or.id), Samuel Clark (sclark@worldbank.org), or Patrick Barron (pbarron@worldbank.org).

Affected Locations and People

AFFECTED LOCATIONS

The floods affected 757 villages in 46 sub-districts in seven Acehnese districts. In Aceh Tamiang and Aceh Utara almost every sub-district and village was affected; in the other five districts a smaller percentage of sub-districts and villages were affected. Table 1 shows the number of sub-districts and villages affected in each district, and makes a comparison with the rapid Inter-Agency Assessment completed in early January 2007. Annex D provides more detailed lists of affected locations.

Table 1. Number of Affected Sub-districts and Villages – by District

Affected District	Aceh Flood As	Aceh Flood Assessment			
	Number of Affected Sub-districts	lumber of Affected Sub-districts Number of Affected Villages			
	(% of those in districts)	(% of those in districts)	of those in districts)		
Aceh Tamiang	12 (100%)	190 (90%)	126 (59%)		
Aceh Utara	20 (90%)	378 (44%)	381 (45%)		
Aceh Timur	6 (28%)	58 (12%)	71 (15%)		
Gayo Lues	1 (11%)	9 (11%)	22 (25%)		
Bireuen	2 (13%)	49 (9%)	**		
Bener Meriah	4 (57%)	69 (51%)	*		
Aceh Tengah	1 (10%)	4 (2%)	6 (3%)		
TOTAL	46 (46%)	757 (29%)	~606 (~24%)		

Sources: Aceh Flood Assessment and UNORC Inter-Agency Assessment Report (January 2007)

AFFECTED POPULATIONS

The floods affected over half a million people, but fortunately deaths and injuries were relatively low. 512,879 people live in affected villages. The survey indicated that there were 47 deaths, 7,887 heavy injuries (1.5% of affected population), and 573 light injuries. The majority of deaths occurred in Aceh Tamiang (65%), whereas most injuries occurred in Aceh Tamiang and Aceh Utara (44% and 48% respectively). Table 2 summarizes deaths, injuries (heavy and light), and the affected population for the seven affected districts.4

Of those affected by the floods, 39% (201,991 persons) are of productive age and the majority (126,251) are farmers. Given that the floods damaged over 50% of both fields and gardens in affected areas, the livelihoods of the vast majority of those affected has been seriously disrupted.

The poor make up 27% of flood-affected households.⁵ The impacts of the flood on this group will likely be greater than for others, as they do not have the same social and economic safety nets as the

^{*} Data on affected villages not provided. **The Inter-Agency Assessment did not include Bireuen.

³ There are number of a discrepancies in affected locations between the KDP survey and the UNORC Inter-Agency Assessment Report distributed in early January 2007, although the figures are comparable. See discussion in the methodology annex.

⁴ Out of 730 (of 757) villages reporting. Affected population is calculated based on total population in affected villages. Village population data is from the 2006 Village Survey in Aceh, fielded in August-September 2006, and complemented with PODES (2005) data.

⁵ Out of 535 (of 757) villages reporting. Poverty levels are from the 2006 Aceh Village Survey, fielded in August-September 2006, and complemented with PODES (2005) data. See: Ministry of Home Affairs, Kecamatan

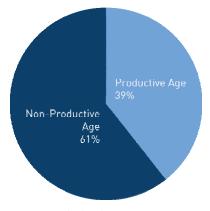
better off. Ensuring the floods do not push the poor deeper into poverty and the "near-poor" back into poverty should be a priority of those responding to the floods.

Table 2: Deaths, Injuries and Affected Population – by District

District	Deaths	Inj	Affected Population	
		Heavy	Light	
Aceh Tamiang	31	3456	165	213,302
Aceh Utara	5	3783	181	187,481
Aceh Timur	7	385	45	42,120
Bener Meriah	3	7	3	34,905
Bireuen	0	189	170	29,276
Gayo Lues	1	61	9	4,652
Aceh Tengah	0	6	0	1,143
TOTAL	47	7887	573	512,879

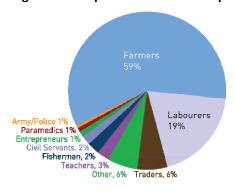
Source: Aceh Flood Assessment

Figure 1: Productive Age of Affected Population



Source: Aceh Flood Assessment

Figure 2: Occupation of Affected Population



II. ESTIMATIONS OF DAMAGE AND LOSSES

"The flood is like a second tsunami for us. After the tsunami we never again had a normal life. We could not plant our fields because the land had a high salt degree. Also, the embankment for the irrigation system is still not working because the canal is saturated with sand after the tsunami and the flood.

The flood came about three o'clock at night. We had to flee to Lepang village. Although no-one died, the fish embankment was destroyed, and the fields and were also victims. The community's houses were flooded with water. So this is like a second tsunami.

Meanwhile we can only wait for west season to water our embankment, so now we are back to the sea as fisherman and breeding ducks and chickens to improve our income."

> Muriazi 38 year-old male Alue Angke village, Sub-district Gandapura, Bireuen

Summary of Damage and Losses from the Floods

AGGREGATE DAMAGE AND LOSSES

The total damage and losses caused by the flood are estimated at Rp. 1.9 trillion or US\$ 210 million. Damage constitute a greater share of the total: Rp. 1.78 trillion (or US\$ 198 million – 94%), compared to the Rp. 110 billion (US\$ 12 million) in losses, although this in part is due to limited available data on losses.

Box 2. Estimation of Damage and Losses

The survey estimates damage and losses associated with the floods (see Annex A for a complete list of damage and losses covered by the survey).

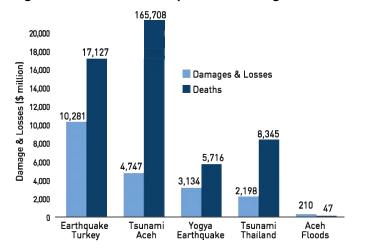
The costs of the damage associated with the floods were calculated by generating estimates for how much it would cost to replace or repair affected infrastructure. Infrastructure damage included information on the social sector, infrastructure and housing, productive sectors, and government administration. For each sub-category of infrastructure, the number of units or meters damaged was collected. Damage was disaggregated by its degree, whether infrastructure as lightly damaged, heavily damaged, or whether it needed replacement.

The value of associated losses were also calculated but are less comprehensive than for damage. Losses are indirect impacts that relate to flows that are affected by the floods, such as reduced expenditures and increased expenditures over the period of time until the assets are recovered. Insufficient data meant that these could only be calculated for a limited number of areas, in the social, infrastructure and housing and productive sectors.

Unit costs were calculated using information from KDP district facilitators as well as data on costs for replacement of tsunami-affected infrastructure. (See Annex A for a list of unit costs and assumptions).

Private damage and losses far outweighed public damage and losses, accounting for 70% of the total. This is largely due to the flood's devastating impact on private housing and agriculture, which

Figure 3: International Comparison of Damage and Losses



Source: Bappenas, Provincial and Local Governments of D.I.Yogyakarta and Central Java and International Partners (July 2006). Preliminary Damage and Loss Assessment: Yogyakarta and Central Java Natural Disaster.

account for 50% and 14% of total damage and losses, respectively.

DAMAGE AND LOSSES IN AN INTERNATIONAL PERSPECTIVE

Although the Aceh flood was significant, it was relatively small in comparison to other recent disasters in the developing world. The KDP survey estimates the damage and losses of the Aceh flood at Rp. 1.9 trillion (\$210 million). As shown in Figure 3, this is far less than for other disasters that have occurred in the past ten years. However, given that Aceh is still rebuilding after the devastating tsunami and almost 30 years of conflict, it is a serious setback for those affected and the province as a whole.

Affected Sectors

Damage and losses the flood are from concentrated in main sectors: two infrastructure and housing, and the productive sector. Damage and losses in the infrastructure and housing sector amounted to Rp. 1.33 trillion (\$148 million, or 71% of all damage and losses) – see Figure 4. In the productive sector, damage and losses are estimated at to Rp. 418 billion (\$46 million – 22%). Although the social sector was relatively unscathed, the disaster had a significant societal impact, affecting living conditions, livelihoods, as well as health clinics and places of worship.

The flood affected all types of structures and belongings, but particularly houses, roads, mosques and prayer houses, and agricultural fields (see Table 3). In terms of cost, the most affected items were houses (50% of all damage

Figure 4: Damage and Losses - by Sector 1,400 1,200 1.227 1,000 Losses (Rp. billion) Damage (Rp. billion) 800 Rp. Damage and Losses 600 1.2 400 417 200 4 132 Infrastructure Productive Social Government

Source: Aceh Flood Assessment

and losses), roads/paths⁶ (13%), agricultural fields (10%), and mosques and prayer houses (5%). The following sections provide more detailed information for each of the four sectors, including provincial totals for key items affected in both unit and monetary terms.

Table 3: Damage and Losses – Key Items by sector

Sector - Key items	Units Damaged		Monetary Dama	ige & Losses	
	Replace	Heavy	Light	Rupiah (Rp.)	USD (\$)
Social					
All Schools ⁷	37	141	123	34,828,800,000	3,869,867
All Health Posts ⁸	54	87	126	10,116,350,000	1,124,039
Mosques & Prayer Houses	97	254	426	87,570,000,000	9,730,000
Infrastructure & Housing					
Houses	4,414	12,995	24,837	946,209,696,000	105,134,411
All Roads/Paths	138km	1,658km	1,004km	237,307,884,000	26,367,543
All Bridges	379	457	279	64,441,400,000	7,160,156
Public Toilet Blocks (MCK)	173	292	275	18,232,200,000	2,025,800
Productive					
All Fields	2,353ha	14,440ha	7,610ha	180,289,917,057	20,032,213
All Plantations/Orchards	531ha	20,631ha	12,100ha	44,463,729,414	4,940,414
Fish Ponds	193ha	2,707ha	2,115ha	47,181,653,120	5,242,406
Village Markets	10	13	20	5,787,000,000	643,000
Shops	117	267	791	54,011,700,000	6,001,300
Government					
Village Buildings ⁹	48	69	92	9,120,000,000	1,013,333

⁶ This includes 9 types: district roads, paved village roads, dirt village roads, paved hamlet roads, dirt hamlet roads, paved footpaths, dirt footpaths, paved orchard roads, and dirt orchard roads.

⁷ Includes kindergartens (TK).

⁸ Includes post-natal clinics (posyandu).

⁹ Includes village offices and community halls (balai desa).

Infrastructure and Housing

Total damage and losses in the infrastructure and housing sector amount to Rp. 1.3 trillion or US\$ 147 million. The vast majority of this is impacts on private housing and on transportation. Over 70% of damage and losses are concentrated in the infrastructure and housing sector, with housing and transportation accounting for 71% and 24% respectively (Figure 5). Indeed, housing and transportation respectively account for 51% and 17% of total damage and losses. Energy supply and water and sanitation were less affected. Table 4 summarizes the total monetary damage and losses for the housing and infrastructure as a whole as well as for the four sub-sectors.

Housing

Housing damage and losses account for Rp. 952 billion (\$105 million) or 51% total damage and losses. The assessment indicates that a total of 4,412 homes require replacement, 13,124 were heavily damaged, and 24,874 were lightly damaged.

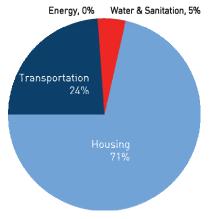
The vast majority of housing damage was sustained in Aceh Tamiang. A total of 26,636 units (62%) or Rp. 633 billion (\$70 million) of the houses damaged are in Aceh Tamiang (see Figure 6). The sheer strength of the flood in Aceh Tamiang meant that 3,093 require replacement, over 70% of the total number of homes that need to be replaced from the Aceh floods. Aceh Utara was the second most affected in monetary terms, although far fewer houses require replacement.

Table 4: Infrastructure and Housing Sector Damage and Losses – by sub-sector

Sub-sector	Damage (Rp.)	Losses (Rp.)	Sub-sector Totals (Rp. / US\$)
Housing	846,941,920,000	105,158,900,000	952,100,820,000 (\$105,788,980)
Transportation	316,839,484,000	0	316,839,484,000 (\$35,204,387)
Energy	1,808,553,000	0	1,808,553,000 (\$200,950)
Water and Sanitation	61,182,240,000	0	61,182,240,000 (\$6,798,027)
Total	1.226.772.197.000 (\$36.308.022)	105.158.900.000 (\$11.684.322)	1.331.931.097.000 (\$147.992.344)

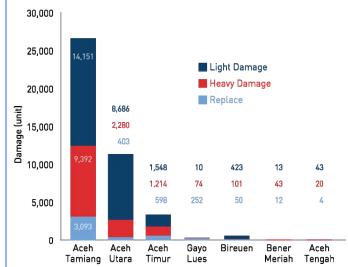
Source: Aceh Flood Assessment

Figure 5: Infrastructure and Housing Sector Damage and Losses –% sub-sector



Source: Aceh Flood Assessment

Figure 6: Number of Houses Damaged - by District



TRANSPORTATION

The flood also caused significant damage to the transportation sector amounting to Rp. 316 billion (\$35 million) or 25% of infrastructure costs. This largely consists of damage to roads and bridges, the former accounting for Rp. 237 billion (US\$ 26 million), the latter Rp. 64 billion (US\$ 7 million). Damage to transportation infrastructure has high negative impacts on local economies, restricting access to markets and driving up local prices of imported goods.

ENERGY

The energy sub-sector was less affected, accounting for only 1.8 billion (\$200,000). This low figure may, however, underestimate the total damage to the energy sector given that the survey focused on village-level damage. The survey indicates that the flood has not had a significant impact on electricity access at the village-level, although it may be necessary for the state electricity company (PLN) to conduct its own survey, given gaps in the survey for larger-scale energy infrastructure.

WATER AND SANITATION

Damage in the water and sanitation sub-sector is quite significant, accounting for Rp. 61 billion (US\$ 6.7 million) or almost 5% of damage in the infrastructure sector. The assessment indicates that 4,042 wells were destroyed, 10,903 were heavily damaged, and 11,348 were lightly damaged. In addition, 173 public toilet blocks were destroyed, 292 heavily damaged, and 275 lightly damaged. Again, the majority of this damage occurred in Aceh Tamiang and Aceh Utara. 10

Productive Sector

Total damage and losses in the productive sector amounted to Rp. 417 billion or US\$ 46 million, accounting for 22% of total damage and losses. As shown in Table 5 and Figure 7, damage and losses were spread across four sub-sectors: agricultural, fisheries, trade, and enterprises. Rehabilitating the productive sector, particularly the agricultural sub-sector, will be crucial for facilitating the return to "normal" social and economic living conditions. The majority, almost 60%, of those affected are farmers. There are also significant numbers of affected labourers, whose livelihoods are often connected to agricultural activities, as well as traders.

AGRICULTURE

Damage to the agricultural sub-sector accounts for the vast majority (71%) of damage in the productive sector. Table 5 indicates that the agricultural sub-sector sustained damage totalling Rp. 335 billion or US\$ 37 million. This largely consists of damage to all types of agricultural fields. The survey indicates that a total of 2,353ha require replacement, 14,440ha were heavily damaged, and 7,610ha were lightly damaged.

As with housing damage, the majority of agricultural damage occurred in Aceh Tamiang. Figure 8 shows that damage to agricultural fields were concentrated in Aceh Tamiang (Rp. 100 billion, US\$ 11 million), with Aceh Utara also greatly impacted (Rp. 52 billion, US\$ 5.5 million). The total damaged area affected in these two districts is relatively similar: 12,421ha in Aceh Tamiang and 8,135ha in Aceh Utara. However, the costs are much higher in Aceh Tamiang due to the larger area requiring replacement (as opposed to heavy or light damage).

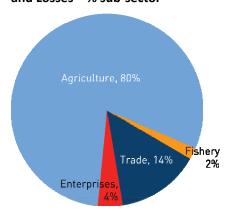
¹⁰ Annexes E and F, respectively, provide a more complete summary of damage and losses in the water and sanitation sub-sector at the provincial and district level.

Table 5: Productive Sector Damage and Losses – by sub-sector

Sub-sector	Damage (Rp.)	Losses (Rp.)	Sub-sector Totals (Rp.)
Agriculture	335,138,989,591	0	335,138,989,591 (\$37,237,666)
Fishery	7,470,000,000	0	7,470,000,000 (\$830,000)
Trade	58,885,000,000	913,700,000	59,798,700,000 (\$6,542,778)
Enterprises	15,040,000,000	306,600,000	15,346,600,000 (\$1,705,178)
Total	416.533.989.591 (\$46.281.554)	1,220,300,000 (\$135,589)	417.754.289.591 (\$46.417.143)

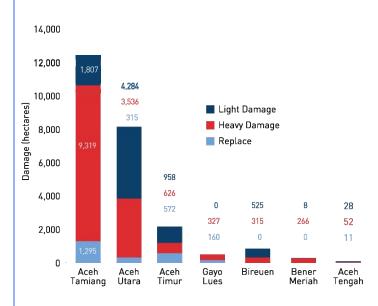
Source: Aceh Flood Assessment

Figure 7: Productive Sector Damage and Losses – % sub-sector



Source: Aceh Flood Assessment

Figure 8: Agricultural Field Damage (hectares) – by District



Source: Aceh Flood Assessment

TRADE

The second most affected sub-sector was trade, accounting for damage and losses totalling Rp. 60 billion (US\$ 6.5 million) or 14% of productive sector damage and losses. Shops in Aceh Tamiang and Aceh Utara sustained most of the damage and losses; the former accounts for 48% of shops damaged (571 units), the latter 39% (468 units), a total of 87% of shop damage (or 1,039 of 1,175 impacted shops). Village markets were also substantially affected.

ENTERPRISES

Damage and losses to the enterprises sub-sector amounted to Rp. 15 billion (US\$1.7 million) or 4% of productive sector damage and losses. However, these figures are likely to underestimate the extent of damage due to the fact that the assessment was limited to collecting data on bengkel (mechanic or auto-repair garages), one of the most common enterprises at the village-level. The assessment indicates that seventeen bengkel were destroyed, 126 heavily damaged, and 152 lightly damaged.

FISHERIES

The fisheries sub-sector sustained damage and losses totalling Rp. 7 billion or US\$ 830,000, which constitutes only 2% of total damage and losses in the productive sector. Indeed, the affected population profile in the earlier chapter indicated that only 4,838 fishermen, compared to 126,251 farmers, were affected. It should be noted, however, that fish ponds, which sustained damage totalling 47 billion (US\$ 5.2 million), were not included in the fisheries sub-sector, but, rather, as a form of agriculture.

Social Sector

Damage and losses in the social sector were primarily related to damaged mosques, prayer houses and community centers. Total damage and losses in the social sector amounted Rp. 136 billion (US\$ 15 million). Table 6 and Figure 9 indicate that the community, culture and religious sub-sector accounted for 65% of damage and losses in this sector, reflecting the existence of mosques and/or prayer houses and the absence of schools and/or health posts in many villages.

Figure 9: Social Sector Damage and Losses - Sub-Sector%

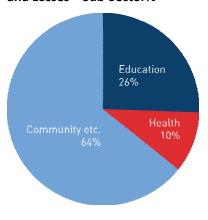


Table 6: Social Sector Damage and Losses – by sub-sector

Sub-sector	Damage (Rp.)	Losses (Rp.)	Total (Rp.) / \$
Education	34,800,000,000	28,800,000	34,828,800,000
			(\$3,869,867)
Health	10,102,600,000	4,006,850,000	14,109,450,000
			(\$1,567,717)
Community,	87,570,000,000	0	87,570,000,000
Culture and			(\$9,370,000)
Religion			
Total			136,508,250,000
			(\$15,167,583)

Source: Aceh Flood Assessment

Source: Aceh Flood Assessment

COMMUNITY, CULTURE AND RELIGION

Damage and losses in the community, culture and religion sub-sector amounted to Rp. 87 billion (US\$ 9.3 million), or 64% of the social sector damage and losses. In total, 97 mosques and prayer houses require replacement, 254 are heavily damaged, and 426 lightly damaged. Again, these damage were largely sustained in Aceh Utara and Aceh Tamiang. The former accounts for 183 places of worship (47%), the latter for 163 (41%).

EDUCATION

The education sub-sector accounts for 25% of damage and losses in the social sector, at a total cost of Rp. 34 billion (US\$ 3.9 million). Again, over 60% of this damage, in terms of total units damaged, occurred in Aceh Tamiang. The assessment indicates that in this district fourteen schools were destroyed, 70 were heavily damaged, and 71 were lightly damaged.

HEALTH

The health sub-sector was, according to the assessment, less affected with Rp. 14 billion, or US\$ 1.6 million, worth of damage and losses. Data collected included damage to health clinics and postnatal clinics, as well as loss estimates of the costs of cleaning these facilities and providing medical treatment for the approximately 8,460 individuals injured by the floods. In total, the assessment indicates that 54 health and post-natal clinics were destroyed, 87 were heavily damaged, and 126 were lightly damaged.

Government Sector

Damage to village government buildings amounted to Rp. 9 billion or US\$ 1 million. The KDP survey methodology meant data on the government sector was limited to village government offices. In total, forty-eight village offices require replacement, sixty-nine were heavily damaged, and ninety-two were lightly damaged. Again, these damage were concentrated in Aceh Tamaing and Aceh Utara. Monetarily, Rp. 3.7 billion (US\$ 904,444) or 40% was sustained in the former, compared to Rp. 3 billion (\$338,333) or 33% in the latter.

III. IMPACT BY DISTRICT

"I fought between life and death to give birth to my second baby after days in pain in the middle of the floods. My condition was not normal, my first baby was born by caesararian, and everybody and my family was worried about me.

When the water started to get into the house from underneath the floor, I fled to a higher place accompanied by two midwives. I was in pain for three days and I did not sleep. The midwives had difficulties helping me because of the limited tools and medicines.

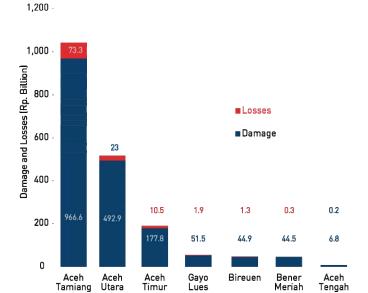
Many efforts were taken to taken to find a medical doctor to conduct the surgery but it was impossible because the roads were blocked with water and no help came. My family tried to find an alternative means of transportation such as a double-cabin truck, rubber boats, and helicopter, but they failed. Finally after one week of waiting, my baby was born on December 26th 2006. I feel that it was a miracle because of the sincere hopes of everyone who witnessed my pain."

> Nurhadijah 33 year-old housewife Perkebunan village, Sub-district Muda, Aceh Tamiang

Geographic Spread of Damage and Losses

Over 75% of damage and losses were concentrated in two districts: Aceh Tamiang and Aceh Utara. As shown in Figure 10, the most affected districts were Aceh Tamiang and Aceh Utara with Rp. 1 trillion (56%) and Rp. 515 billion (27%) of damage and losses respectively. The least affected district was Aceh Tengah with Rp. 6.9 billion (less than 1%). Figure 10 shows the damage and losses for each district. Annex F includes detailed data reports for each district.

Figure 10: Damage and Losses – by District



Source: Aceh Flood Assessment

Aceh Tamiang

Aceh Tamiang was the most affected district, accounting for 56% of damage and losses. The survey indicates that a total of 213,302 people or 45,746 households were affected in twelve sub-districts and 190 villages. Almost the entire district was affected, with the survey indicating impact in all sub-districts and 90% of villages (see Map 2 below). It also accounted for the majority of key structural damage, including 68% of houses, 60% of schools, 41% of health posts, 33% of roads, 56% of agricultural fields, and 57% of plantations. Table 7 summarizes the damage and losses for these key items.

Within Aceh Tamaing, the five most affected sub-districts account for 56% of district damage and losses or Rp. 580 billion (US\$ 64 million). The five sub-districts that sustained the greatest monetary damage and losses were: Bandar Pusaka, Karang Baru, Tenggulan Kejurunan Muda, and Rantau (see Table 8). Overall, these five sub-districts account for 30% of damage and losses across the seven districts affected by the floods. The least affected sub-district in Aceh Tamaing, Tamiang Hulu, recorded damage and losses totalling Rp. 34 billion (\$ 3.8 million), which is five times as high as the least affected district, Aceh Tengah, and almost as high as the second and third most affected districts, Bireuen and Bener Meriah. See Annex F for a summary of damage and losses for all twelve Aceh Tamiang sub-districts.

Table 7: Key Damage and Losses – Aceh Tamiang

Sector - Key items		Units Damage	ed	Monetary Damage & Losses		
	Replace	Heavy	Light	Rupiah (Rp.)	USD (\$)	
Social						
Schools	19	85	104	20,727,650,000	2,303,072	
Health Posts	23	46	44	4,286,750,000	476,306	
Mosques ¹¹	35	129	199	38,610,000,000	4,290,000	
Infrastructure & Housing						
Houses	3,093	9,392	14,151	633,782,876,000	70,420,320	
All Roads/Paths	20km	680km	223km	78,703,203,000	8,744,800	
All Bridges	117	139	115	18,937,800,000	2,104,200	
Public Toilet Block (MCK)	69	89	87	6,253,800,000	694,867	
Productive						
All Fields	1,295ha	9,319ha	1,807ha	100,811,157,167	11,201,240	
All Plantations/Orchards	72ha	11,912ha	7,716ha	25,376,071,034	2,819,563	
Fish Ponds	113ha	1,085ha	170ha	18,405,551,500	2,045,061	
Village Market	7	5	6	2,880,000,000	320,000	
Shops	41	102	428	22,603,000,000	2,511,444	
Government						
Village Offices ¹²	48	69	92	3,780,000,000	420,000	

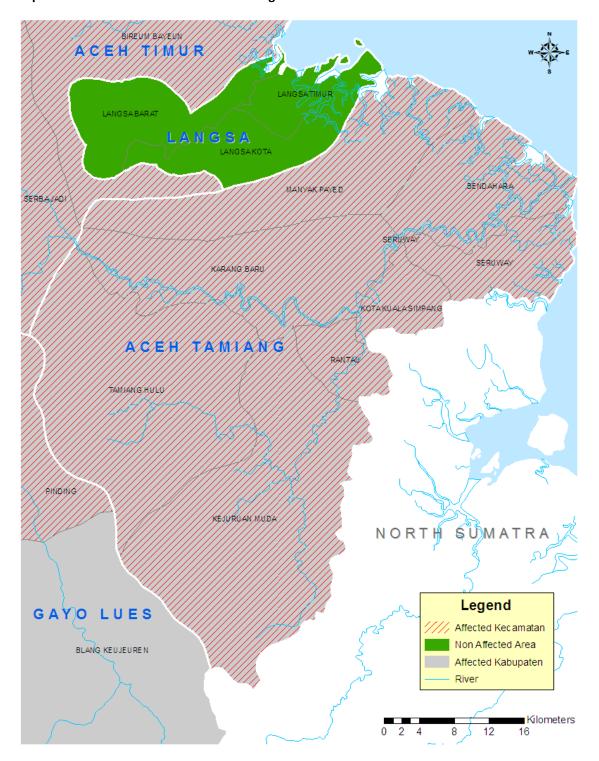
Source: Aceh Flood Assessment

Table 8: Damage and Losses for Five Most Affected Sub-Districts – Aceh Tamiang

No	Sub-district	Damage (Rp.)	Losses (Rp.)	Total (Rp.)		
1	Bandar Pusaka	110,043,190,267	8,495,460,000	118,538,650,267		
2	Karang Baru	110,587,808,187	7,520,834,000	118,108,642,187		
3	Tenggulan	107,610,678,828	8,509,940,000	116,120,618,828		
4	Kejuruan Muda	105,609,302,932	9,251,216,000	114,860,518,932		
5	Rantau	103,305,786,105	9,835,144,000	113,140,930,105		
Total	Total 580,769,360,319 (\$64,529,929					

 ¹¹ Includes both Mosques and Prayers Houses (Meunasah).
 ¹² Includes both Village Offices and Community Halls (Balai Desa).

Map 2: Affected Sub-district in Aceh Tamiang



Aceh Utara

Aceh Utara was the second most affected district sustaining 27% of provincial damage and losses. The survey indicates that a total of 187,481 people or 43,777 households were affected. As in Aceh Tamiang, almost all sub-districts were affected (twenty sub-districts, or 90% of the total). However, the percentage of villages affected is much lower (378 villages, 44%).

Although the damage was widespread in Aceh Utara and a greater number of villages were affected than in Aceh Tamiang, the impact was not as heavy. Aceh Utara accounts for 20% of houses, 27% of schools, 33% of health posts, 34% of roads, 29% of agricultural fields, and 11% of plantations damaged. Table 9 summarizes the damage and losses for these key items.

Table 9: Key Damage and Losses – Aceh Utara

Sector - Key items		Units Damage	ed	Monetary Dama	Monetary Damage & Losses		
	Replace	Heavy	Light	Rupiah (Rp.)	USD (\$)		
Social							
Schools	10	40	64	9,275,400,000	1,030,600		
Health Posts	18	23	69	3,377,850,000	375,317		
Mosques	33	88	194	34,170,000,000	3,796,667		
Infrastructure & Housing							
Houses	403	2,280	8,686	194,516,574,000	21,612,953		
All Roads/Paths	96km	469km	562km	81,209,532,500	9,023,281		
All Bridges	147	123	123	24,363,400,000	2,707,044		
Public Toilet Block (MCK)	43	155	153	7,656,600,000	850,733		
Productive							
All Fields	315ha	3,536ha	4,284ha	52,460,086,605	5,828,899		
All Plantation/Orchards	144ha	1,665ha	2,534ha	4,971,746,483	552,416		
Fish Ponds	48ha	886ha	590ha	15,337,062,720	1,704,118		
Village Market	2	5	10	1,908,000,000	212,000		
Shops	37	95	336	19,613,400,000	2,179,267		
Government							
Village Office	18	19	37	3,045,000,000	338,333		

Source: Aceh Flood Assessment

The five most affected sub-districts in Aceh Utara accounted for the vast majority of district damage and losses. As indicated in Table 10, damage and losses in these sub-districts total Rp. 369 billion (US\$ 41 million), or 72% of district and 20% of provincial costs. Compared to Aceh Tamaing there was more spread, with the least affected sub-district (Dewantara) reporting only Rp. 100 million (US\$ 11,000) of impacts. Annex F provides figures for all 20 of Aceh Utara's affected subdistricts.

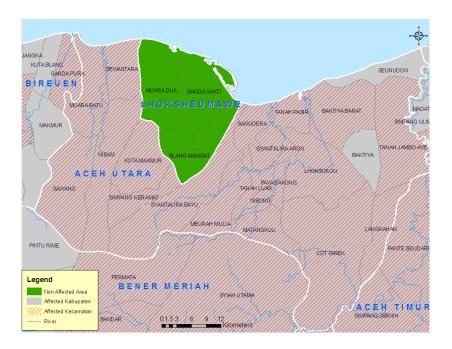
Table 10: Damage and Losses for Five Most Affected Sub-Districts – Aceh Utara

No	Sub-district	Damage (Rp.)	Losses (Rp.)	Total (Rp.)		
1	Lhoksukon	110,462,088,620	6,839,596,000	117,301,684,620		
2	Langkahan	102,201,326,623	5,069,424,000	107,270,750,623		
3	Tanah Pasir	60,118,627,535	2,981,018,000	63,099,645,535		
4	Tanah Luas	45,225,704,370	1,891,396,000	47,117,100,370		
5	Samudera	33,561,785,361	748,906,000	34,310,691,361		
Tota	Total 369,099,872,509 (\$41,011,09					

Source: Aceh Flood Assessment

369,099,872,509 (\$41,011,097)

Map 3: Affected Sub-districts in Aceh Utara



Aceh Timur

Aceh Timur was the third most affected district and accounted for 20% of provincial damage and losses. A total of 42,120 people and 9,238 households were affected. Unlike Aceh Tamiang and Aceh Utara, the flood did not affect the entire district; six sub-districts (28% of those in the district) and fifty-eight villages (12%) were hit (see Map 4). Aceh Timur accounts for 8% of houses, 7% of schools, 11% of health posts, 14% of roads, and 9% of agricultural fields damaged in the province. Table 11 summarizes the damage and losses for these key structures.

Table 11: Key Damage and Losses – Aceh Timur

Sector - Key items	Units Damaged			Monetary Damage & Losses		
	Replace	Heavy	Light	Rupiah (Rp.)	USD (\$)	
Social						
Schools	5	8	8	2,926,950,000	325,217	
Health Posts	6	15	10	1,512,600,000	168,067	
Mosques	12	17	17	6,540,000,000	726,667	
Infrastructure & Housing						
Houses	598	1,214	1,548	90,377,040,000	10,041,893	
All Roads/Paths	12km	223km	150km	32,965,412,000	3,662,824	
All Bridges	50	58	27	6,772,800,000	652,533	
Public Toilet Blocks (MCK)	45	23	25	2,767,800,000	307,533	
Productive						
All Fields	572ha	626ha	958ha	14,674,994,778	10,080,747	
All Plantations/Orchards	113ha	5,199ha	1,495ha	10,093,248,000	1,121,472	
Fish Ponds	-	15ha	1,045ha	1,120,385,000	124,487	
Village Markets	1	2	2	711,000,000	79,000	
Shops	27	59	25	9,097,900,000	1,010,878	
Government						
Village Buildings	4	10	10	1,050,000,000	116,667	

Damage and losses in Aceh Timur were concentrated in three sub-districts. Pante Bidari was particularly affected, with impacts totalling Rp. 99 billion (US\$ 11 million) or 53% of the district total. The total damage and losses in the three most affected sub-districts is Rp. 168 billion or US\$ 19 million.

Table 12: Damage and Losses for all Six Affected Sub-districts – Aceh Timur

No	Sub-district	Damage (Rp.)	Losses (Rp.)	Total (Rp.)
1	Pante Bidari	93,876,796,566	5,237,538,000	99,114,334,566
2	Simpang Ulim	33,437,124,742	1,686,328,000	35,123,452,742
3	Simpang Jernih	30,906,476,440	2,994,556,000	33,901,032,440
4	Serbajadi	14,390,250,030	423,260,000	14,813,510,030
5	Julok	4,794,350,000	122,608,000	4,916,958,000
6	Birem Bayeun	393,300,000	0	393,300,000
Tota				188,262,587,778 (\$20,918,065)

Source: Aceh Flood Assessment

Map 4: Affected Sub-districts in Aceh Timur



Gayo Lues

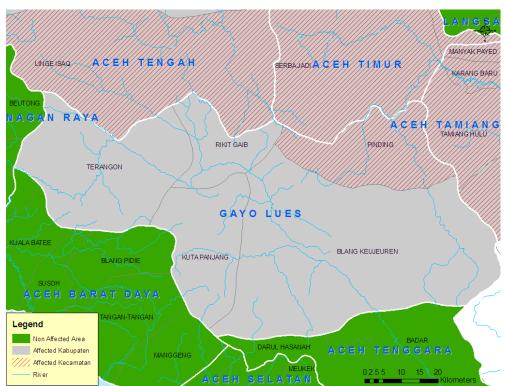
Gayo Lues was the fourth most affected district sustaining 3% of provincial damage and losses. The survey indicates that a total of 4,652 people and 1,081 households were affected. In Gayo Lues, the flood affected only one sub-district, Pinding, and nine villages in the north-east near the border with Aceh Tamiang and Aceh Timur (see Map 5). However, as will be elaborated upon below, the impact in this sub-district was very high. Pinding Sub-district accounts for 2% of all houses, 4% of

schools, 7% of roads, 2% of agricultural fields, and 4% of plantations damaged in the floods across Aceh. Table 13 summarizes the damage and losses for these key structures.

Table 13: Key Damage and Losses – Gayo Lues

Sector - Key items		Units Damage	ed	Monetary Damage & Losses		
	Replace	Heavy	Light	Rupiah (Rp.)	USD (\$)	
Social						
Schools	3	3	2	1,275,800,000	141,756	
Health Posts	3	-	-	274,150,000	30,461	
Mosques	9	1	2	2,310,000,000	256,667	
Infrastructure & Housing						
Houses	252	74	10	17,286,616,000	1,920,735	
All Roads/Paths	_	119km	22km	18,200,500,000	2,022,278	
All Bridges	27	-	_	1,858,000,000	206,444	
Public Toilet Blocks (MCK)	4	1	_	201,600,000	7,333	
Productive						
All Fields	160ha	327ha	_	4,262,628,210	473,625	
All Plantations/Orchards	200ha	260ha	_	1,273,655,172	141,517	
Fish Ponds	4ha	14ha	_	239,904,000	26,656	
Village Market	-	1	1	238,500,000	26,500	
Shops	12	4	_	2,122,400,000	235,822	
Government						
Village Buildings	4	6	3	300,000,000	33,333	

Map 5: Affected Sub-districts in Gayo Lues



Bireuen

Bireuen was the fifth most affected district, accounting for 2% of damage and losses. The survey indicates that the flood affected a total of 29,276 people and 6,510 households in two sub-districts and 49 villages in the eastern part of the district close to Aceh Utara (see Map 6). Bireuen accounts for just over 1% of houses, less than 1% of schools, 5% of health posts, 3% of roads, 3% of agricultural fields, and 1.5% of plantations/orchards damaged. Table 14 summarizes the damage and losses for these key structures.

The flood affected only two sub-districts in Bireuen: Ganda Pura and Peusanagan. Ganda Pura sustained 66% of the district's damage and losses while Peusanagan accounted for 34% (see Table 15).

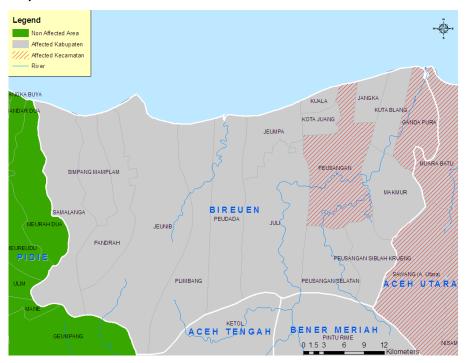
Table 14: Key Damage and Losses – Bireuen

Sector - Key items		Units Damage	ed	Monetary Damage & Losses		
	Replace	Heavy	Light	Rupiah (Rp.)	USD (\$)	
Social						
Schools	-	2	3	435,200,000	38,356	
Health Posts	4	3	1	590,000,000	65,556	
Mosques	3	8	6	2,040,000,000	226,667	
Infrastructure & Housing						
Houses	50	101	423	10,966,024,000	1,218,447	
All Roads/Paths	1.2km	40km	29km	6,761,027,500	751,225	
All Bridges	24	15	12	3,457,200,000	384,133	
Public Toilet Blocks (MCK)	4	6	3	382,200,000	42,467	
Productive						
All Fields	-	315ha	525ha	5,050,382,910	561,154	
All Plantations/Orchards	-	341ha	208ha	711,470,483	79,052	
Fish Ponds	28ha	445ha	311ha	7,717,710,000	857,453	
Village Market	-	-	1	49,500,000	5,500	
Shops	-	1	2	116,600,000	12,956	
Government						
Village Buildings	4	6	3	705,000,000	78,333	

Source: Aceh Flood Assessment

Table 15: Damage and Losses for all Six Affected Sub-districts – Bireuen

No	Sub-district	Damage (Rp.)	Losses (Rp.)	Total (Rp. / \$)
1	Ganda Pura	29,516,222,504	894,506,000	30,410,728,504
2	Peusangan	15,410,246,989	380,968,000	15,791,214,989
Tota				46,201,943,493
				(\$5,133,549)



Map 6: Affected Sub-districts in Bireuen

Bener Meriah

Bener Meriah was the sixth most affected district, also accounting for 2% of damage and losses. The survey indicates that the flood affected a total of 34,905 people or 8,199 households in four subdistricts and sixty-nine villages, located in the eastern half of the district (see Map 7). Bener Meriah accounts for less than 1% of houses, schools, and health posts damaged, 1% of agricultural fields, and 4% of plantations, and 7% of roads. Table 16 summarizes the damage and losses for these key items.

In Bener Meriah the majority of damage and losses were recorded in two sub-districts: Syiah Utama and Bukit. Table 16 shows that these two sub-districts account for 82% of damage and losses, or Rp. 37 billion (US\$ 4.1 million). The two less affected sub-districts experienced damage and losses totalling only Rp. 7.8 billion (US\$ 872,051).

Table 16: Key Damage and Losses - Bener Meriah

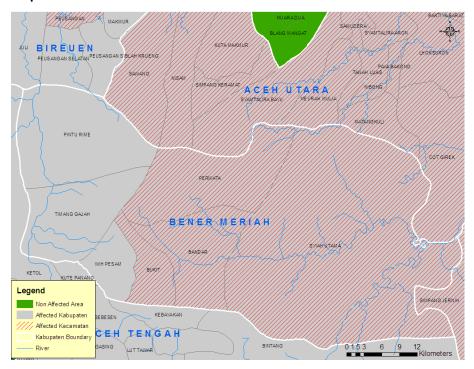
Sector - Key items		Units Damage	ed	Monetary Damage & Losses		
	Replace	Heavy	Light	Rupiah (Rp.)	USD (\$)	
Social		-				
Schools	-	3	-	180,000,000	20,000	
Health Posts	-	-	-	0	0	
Mosques	4	10	2	3,450,000,000	383,333	
Infrastructure & Housing						
Houses	12	43	13	2,169,588,000	241,065	
All Roads/Paths	91km	35km	5.6km	18,577,297,000	2,064,144	
All Bridges	8	119	-	7,682,600,000	853,622	
Public Toilet Block (MCK)	8	18	6	966,000,000	107,333	
Productive						
All Fields	_	266ha	8ha	2,361,075,893	262,342	
All Plantations/Orchards	-	1,136ha	124ha	1,986,927,207	262,342	
Fish Ponds	-	261	-	4,345,011,300	482,779	
Village Market	-	-	-	0	0	
Shops	-	6	-	458,400,000	50,933	
Government						
Village Office	-	4	-	240,000,000	26,667	

Source: Aceh Flood Assessment

Table 17: Damage and Losses for all Four Affected Sub-districts – Bener Meriah

No	Sub-district	Damage (Rp.)	Losses (Rp.)	Total (Rp.)
1	Syiah Utama	26,109,518,391	114,462,000	26,223,980,391
2	Bukit	10,626,616,219	46,972,000	10,673,588,219
3	Bandar	4,262,332,834	4,106,000	4,266,438,834
4	Permata	3,478,773,955	103,248,000	3,582,021,955
Total			44,746,029,399 (\$4,971,781)	

Map 7: Affected Sub-districts in Bener Meriah



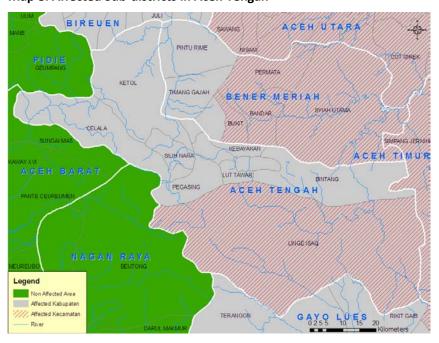
Aceh Tengah

Aceh Tengah was the least affected district, accounting for less than 1% of damage and losses. The survey indicates that a total of 1,143 people and 258 households in one sub-district (Linge) and four villages were affected (see Map 8). Aceh Tengah accounts for less than 1% of houses, schools, health posts, roads, agricultural fields, and plantations/orchards damaged. Table 18 summarises the damage and losses for these key structures.

Table 18: Key Damage and Losses – Aceh Tengah

Sector - Key items		Units Damage	ed	Monetary Damage & Losses		
	Replace	Heavy	Light	Rupiah (Rp.)	USD (\$)	
Social						
Schools	-	-	2	90,100,000	10,011	
Health Posts	-	-	2	67,200,000	7,478	
Mosques	1	1	6	450,000,000	50,000	
Infrastructure & Housing						
Houses	4	20	43	1,346,582,000	149,620	
All Roads/Paths	2.2km	3.8km	9.3km	1,521,632,000	169,070	
All Bridges	6	3	-	1,329,600,000	147,733	
Public Toilet Blocks (MCK)	-	-	1	4,200,000	467	
Productive						
All Fields	11ha	52ha	28ha	669,591,495	74,399	
All Plantations/Orchards	2ha	17ha	23ha	50,611,034	5,623	
Fish Ponds	-	1ha	_	16,660,000	1,851	
Village Market	-	-	_	-	_	
Shops	-	-	_	-	-	
Government						
Village Buildings	-	-	-	-	-	

Map 8: Affected Sub-districts in Aceh Tengah



Concentration of Impacts

SUB-DISTRICT AVERAGES

The flood did not affect all sub-districts to the same extent. Sub-district damage and losses range from a high of Rp. 118 billion (US\$ 13 million) for Banda Pusaka in Aceh Tamiang, to a low of Rp. 99 million (US\$ 11,107) for Dewantara in Aceh Utara. Table 19 categorizes affected sub-districts into four levels of impact. There are nine sub-districts with very high damage, twelve with high levels of impact, nine with medium impact, and sixteen with low damage. Annex F lists total damage and losses for each sub-district.

The ten most affected sub-districts account for approximately 58% of total damage and losses across the province. As shown in Table 20, damage and losses in the ten most affected sub-districts amount to Rp. 1 trillion (US\$ 121 million). These highly affected sub-districts are mostly in Aceh Tamiang, where seven of the ten are located, whereas Aceh Utara has two and Aceh Timur has one. Reconstruction programs must target these highly affected sub-districts.

Impact levels vary within each district. For example, in Aceh Timur there is one very high, two high, one medium, and two low affected sub-districts (Table 21). This has significant implications for any reconstruction policy, suggesting the need for targeting below the district level.

Table 19: Sub-district Damage Intensity

Impact Category	Range	Number of Sub-districts
Very High	Rp. 90+ billion (~\$10 million+)	10
High	Rp. 30 – 89 billion (~\$5.5 – 11 million)	12
Medium	Rp. $10 - 29$ billion (~\$3 - 5.5 million)	9
Low	< Rp. 10 billion (< \$1 million)	15

Table 20: Damage and Losses for Ten Most Affected Sub-districts

No	Sub-district	District	Damage (Rp.)	Losses (Rp)	Total (Rp. / \$)
1	Bandar Pusaka	Aceh Tamiang	110,043,190,267	8,495,460,000	118,538,650,267
2	Karang Baru	Aceh Tamiang	110,587,808,187	7,520,834,000	118,108,642,187
3	Lhoksukon	Aceh Utara	110,462,088,620	6,839,596,000	117,301,684,620
4	Tenggulan	Aceh Tamiang	107,610,678,828	8,509,940,000	116,120,618,828
5	Kejuruan Muda	Aceh Tamiang	105,609,302,932	9,251,216,000	114,860,518,932
6	Rantau	Aceh Tamiang	103,305,786,105	9,835,144,000	113,140,930,105
7	Langkahan	Aceh Utara	102,201,326,623	5,069,424,000	107,270,750,623
8	Pante Bidari	Aceh Timur	93,876,796,566	5,237,538,000	99,114,334,566
9	Kota Kuala Simpang	Aceh Tamiang	85,315,678,466	9,967,820,000	95,283,498,466
10	Bendahara	Aceh Tamiang	86,896,207,215	5,375,126,000	92,271,333,215
Tota					1,092,010,961,809 (\$121,334,551)

Source: Aceh Flood Assessment

Table 21: Sub-District Damage Intensity – by District

District	Total	Damage and Losses						
	Sub-districts	Very High	High	Medium	Low			
Aceh Tamiang	12	7	5	-	-			
Aceh Tengah	1	-	-	-	1			
Aceh Timur	6	1	2	1	2			
Aceh Utara	20	2	3	5	10			
Bener Meriah	4	-	-	2	2			
Bireuen	2	-	1	1	-			
Gavo Lues	1	-	1	-	-			

VILLAGE AVERAGES

Village damage and losse averages also vary significantly across and within districts. Calculated at the sub-district level, village averages range from a high of Rp. 23 billion (US\$ 2.5 million) per village in Tenggulan sub-district, Aceh Tamaing, to a low of Rp. 96 million (US\$ 10,720) per village in Nisam, Aceh Utara. 13

All sub-districts with village averages categorized as very high (above Rp. 10 billion per village) are in Aceh Tamiang. There are a total of ten very high villages in Tenggulan and Kota Kuala Simpang, Aceh Tamiang, were village averages are Rp. 23 billion (US\$ 2.5 million) and Rp. 19 billion (US\$ 2.1 million), respectively. That said, there is also a range of sub-district village averages across most districts. Table 23 indicates, for example, that in Aceh Timur there are thirteen high, twenty medium, and twenty-five low affected sub-districts.

The ten most affected villages account for Rp. 407 billion (US\$ 34 million) or 16% of damage and losses across the province. All these villages were located in the ten most affected sub-districts (Table 24). Again, this suggests the need for a delivery mechanism capable of determining reconstruction fund allocations down to the village level.

Table 22: Village Damage Averages

Damage Category	Range	Number of Villages
Very High	Rp. 10+ billion (~\$1 million+)	10
High	Rp. 5 – 10 billion ($^{\sim}$ \$0.5 – 1 million)	8
Medium	Rp. 1 – 5 billion ($^{\sim}$ \$0.1 – 0.5 million)	16
Low	< Rp. 1 billion (< \$100,000)	20

Table 23: Village Damage Intensity – by District

District	# of Sub-	# of Villages	Damage and Losses					
distric			Very High	High	Medium	Low		
Aceh Tamiang	12	190	10	56	124	-		
Aceh Tengah	1	4	-	-	4	-		
Aceh Timur	6	58	-	13	20	25		
Aceh Utara	20	378	-	16	145	217		
Bener Meriah	4	69	-	-	20	49		
Bireuen	2	49	-	-	11	38		
Gayo Lues	1	9	-	9	-	-		

¹³ It is important to note that these village averages are calculated based on sub-district totals, i.e. the total subdistrict damage and losses divided by the number of villages. The limitations of such an approach is that it potentially masks variation within the sub-district.

Table 24. Damage and Losses for Ten Most Affected Villages

No	Village	Sub-district	District	Damage	Losses	Total
1	Tenggulan	Tenggulan	Aceh Tamiang	70,277,851,512	5,612,300,000	75,890,151,512
2	Kota Lintang	Kota Kuala Simpang	Aceh Tamiang	41,957,508,034	5,201,838,000	47,159,346,034
3	Lubok Pusaka	Langkahan	Aceh Utara	33,676,490,799	1,706,230,000	35,382,720,799
4	Babo	Bandar Pusaka	Aceh Tamiang	25,620,563,790	2,062,648,000	27,683,211,790
5	Landuh	Rantau	Aceh Tamiang	21,371,103,448	2,818,360,000	24,189,463,448
6	Simpang Kiri	Tenggulan	Aceh Tamiang	20,211,655,267	1,834,154,000	22,045,809,267
7	Bukit Tempurung	Kota Kuala Simpang	Aceh Tamiang	17,465,430,000	2,341,430,000	19,806,860,000
8	Dalam	Karang Baru	Aceh Tamiang	17,599,673,793	1,456,898,000	19,056,571,793
9	Buket Linteung	Tenggulan	Aceh Tamiang	17,093,283,835	1,034,296,000	18,127,579,835
10	Suka Damai	Pante Bidari	Aceh Timur	16,912,812,069	1,256,002,000	18,168,814,069

307,510,528,547

(\$34,167,837)

Source: Aceh Flood Assessment

IV. CONCLUSIONS AND RECOMMENDATIONS

"Our village floods so often that we call it the "sunken village". But yesterday's flood was so high and that has never happened before.

I had just planted 1500 chilli plants over the river bank, because according to experience this was alright. But this time the flood went way up the river bank.

After the flood people had a hard time finding jobs, so some of them moved to Malaysia. [I] wanted to go to the field, but the irrigation is broken, and it is dry season. Everybody's well is dry, though the depth is down to twelve meters."

> Rusli 28 year-old farmer Bungon village, kecamatan Matang Kuli, Aceh Utara

This assessment has quantified the damage and losses from the December 2006 Aceh flood. It was undertaken in seven districts, Aceh Tamiang, Aceh Tengah, Aceh Timur, Aceh Utara, Bener Meriah, Bireuen, and Gayo Lues, and collected data on four sectors, infrastructure and housing, productive, social, and government. The results and findings suggest the following conclusions and recommendations:

Conclusions

MAJOR IMPACT

The Aceh floods impacted over half a million people, caused 47 deaths and 8,460 injuries, and resulted in damage and losses of Rp. 1.9 trillion or US\$ 210 million. Although this is not on the same scale as other recent disasters in the developing world, including the Indian Ocean tsunami, the floods are significant setback in a province still rebuilding after the devastating tsunami and 30 years of violent conflict. The flood damage and losses add an additional 16% to the Rp. 12 trillion (\$1.2 billion) needed to rebuild or repair infrastructure damaged by the conflict, tsunami or lack of maintenance.14

PRIVATE INFRASTRUCTURE DISPROPORTIONATELY AFFECTED

The flood disproportionately affected private infrastructure, specifically housing and agriculture, which places an enormous strain on many families. Damage and losses to privately-owned infrastructure account for 70% of the total from the floods.

IMPACT IS CONCENTRATED IN A LIMITED NUMBER OF AREAS

Impact varies widely across villages, sub-districts, and districts. The ten most-affected sub-districts account for 58% of total damage and losses. The ten most affected villages account for 16% of damage and losses across the province.

Recommendations

EXPAND EXISTING TSUNAMI PROGRAMS

There are many existing tsunami programs that cover the key sectors affected by the flood, particularly housing, agriculture, roads, schools and health. Rather than spend considerable time (re)designing reconstruction programs for flood areas, these programs can in most cases be expanded, geographically or in scope.

TARGET FUNDS LOCALLY

The massive variation in impacts suggests that funds should be allocated at the sub-district or village level. In Aceh Utara, for example, there are both very highly affected sub-districts (with damage and losses of over Rp. 90 billion) and sub-districts only slightly affected (under Rp. 10 billion). In Aceh Tamiang there are villages with damage amounting to more than Rp. 10 billion (\$1.1

¹⁴ Previous damage estimates as of August 2006. Ministry of Home Affairs, Kecamatan Development Program, World Bank (2007), 2006 Village Survey in Aceh: An Assessment of Village Infrastructure and Social Conditions (Banda Aceh and Jakarta).

million) as well as many villages with damage and losses of less than Rp. 1 billion (\$110,000). This suggests reconstruction funds need to be allocated at the sub-district or even village-level.

UTILIZE COMMUNITY-DRIVEN DEVELOPMENT MECHANISMS

The types of damage vary considerably between areas. Adopting a community-based approach can help match funding to diverse community needs and can increase community ownership. If block grants are given to villages for reconstruction, they can decide whether they should be used for repairing schools, revitalizing farmland, or rebuilding a local health clinic. Community-based approaches can also help ensure transparency of fund distribution, particularly important when allocating contested private goods.

Manage Expectations and Complaints

The tsunami reconstruction process highlights the importance of managing expectations and responding to complaints when they occur. Expectations for reconstruction support are extremely high in Aceh. This is largely the result of unrealistic promises and targets development agencies. The flood reconstruction effort will face similar challenges. Managing expectations and providing clear information on projects is crucial.

ANNEXES

METHODOLOGY

SURVEY INSTRUMENT

FLOOD AFFECTED LOCATIONS

PROVINCIAL DATA SUMMARY

DISTRICT DATA SUMMARIES

SUB-DISTRICT DAMAGE AND LOSSES SUMMARY

ANNEX A: METHODOLOGY

The methodology for assessing the damage and losses of the December 2006 Aceh floods consisted of the following five components:

- Survey instrument development
- Affected locations mapping
- Village data collection
- Data cleaning and verification
- Estimation of unit costs

SURVEY INSTRUMENT DEVELOPMENT

In order to ensure a quick and efficient data collection process, the Aceh flood assessment adopted a simplified version of the survey instrument used for the 2006 KDP Aceh Village Survey.15 This survey had focused on the collection of infrastructure and social data, thus the flood assessment instrument collected data on direct impacts and infrastructure damage due to the floods.

Data on direct impacts included information on the number of people killed, injured and missing.16 Infrastructure damage included information on the social sector, infrastructure and housing, productive sectors, and government administration. The ECLAC methodology was used for categorising this infrastructure damage (Box A1).

Box A1: Damage Data Collected

Direct Impacts

- Affected locations
- Killed, injured and people missing

Social Sector Damage

- Schools and kindergartens
- Health posts and post-natal clinics
- Prayer Rooms
- Mosques

Infrastructure and Housing Damage

- Houses and Barracks (IDP housing)
- Roads (district, village, hamlet, orchard, and footpaths)
- Calverts and retaining walls
- Bridges (concrete, wood, steel framed and suspension)
- Electricity
- Wells, pumps, pipes and storage tanks
- Public toilet facilities

Productive Sector Damage

- Field and plantations
- Fish ponds and weirs
- Irrigation channels
- Rice warehouses and winnowing facilities
- Fish and village markets
- Jetties
- Shops and garages

Government Administration

Village offices

¹⁵ Ministry of Home Affairs, Kecamatan Development Program, World Bank (2007), 2006 Village Survey in Aceh: An Assessment of Village Infrastructure and Social Conditions (Banda Aceh and Jakarta).

¹⁶ In addition, the survey collected information on village access, internal displacement, and immediate needs. However, due to rapid changes in the situation, this information was not used in the assessment.

For each sub-category of infrastructure, the number of units or meters damaged was disaggregated by its degree, that is, whether infrastructure was lightly damaged, heavily damaged, or whether it needed replacement (i.e. was destroyed). Because the survey instrument is designed for data collection on village level impacts, the assessment may miss damage associated with the flood at higher administrative levels.

AFFECTED LOCATIONS MAPPING

In order to determine where to implement the survey, a mapping of affected locations was undertaken. This also utilised the KDP network. First, KMKabs (KDP District Management Consultants) were requested to map for their districts kecamatan that were highly affected, lightly affected, and not affected. Second, FKs (KDP Kecamatan Facilitators) from highly and lightly affected kecamatan were asked to map for their kecamatan villages that were and were not affected. The survey instrument was then implemented in all affected villages. This mapping also provided the data on affected locations used in this assessment.

FIELD DATA COLLECTION

Village surveys were implemented from December 30 – January 19 in all affected villages, thus capturing the impact of the floods in the two-three weeks following the disaster. In order to draw on local knowledge in the assessment of flood impact, the KDP village facilitators were used as the primary data collectors. Each filled out a summary form for their village. In completing the formats, village facilitators toured the affected areas in their village recording information on levels and extent of damage. They also talked with others in the village, including victims and village leaders, to get more accurate estimates of damage. In some areas, they had to wait for the floodwater to subside before they could collect accurate data.

DATA CLEANING AND VERIFICATION

The data cleaning and verification involved a three-step process. First, FKs at the sub-district level reviewed and verified surveys from each of their affected villages. Second, the technical facilitators at the district level verified the results for each of their affected kecamatan. Given these facilitators are all experienced civil engineers and/or have considerable knowledge of local conditions, they were to correct anomalies and ensure village needs were not conflated with flood damage. Finally, the World Bank team in Banda Aceh entered and cleaned the data, cross-checked a sample of complete surveys, and verified to local facilitators when entered values appeared inaccurate.

ESTIMATIONS OF COSTS

The costs of the damage associated with the floods were calculated by generating estimates for how much it would cost to replace or repair affected infrastructure. Unit costs were primarily calculated using information from KDP district facilitators, but were augmented and cross-checked with costs and assumptions used in the damage calculation from the tsunami and the earthquake in Yogyakarata (Table A1 below lists unit costs and assumptions).

The value of associated losses were also calculated. Losses are indirect impacts that refer to resource flows that are affected by the floods, such as reduced expenditures and increased expenditures over the period until the assets are recovered. Insufficient data meant that these could only be calculated for a limited number of areas (see Box A2).

Box A2: Estimate of Losses

Social Sectors

- Costs of clean-up for school facilities and kindergarten
- Costs of clean-up of health posts
- Costs of emergency medical assistance for the injured

Infrastructure and Housing

- Debris removal
- Transitional shelters
- Cost of furniture and household appliances lost/damaged
- Clothing and food stocks

Productive Sectors

- Village markets
- Shops
- Garages

Table A1: Estimated Unit Costs and Assumptions

SECTOR /	Туре	unit		Tingkat Ker	usakan		Assumptions
SUB SECTOR			Light Damage	Heavy Damage	Replace	Abandoned	
SOCIAL SECTOR							
Education	Segala Tingkat Sekolah (Kecuali TK)	unit	45,000,000	180,000,000	225,000,000	168,750,000	
	TK	unit	15,000,000	60,000,000	75,000,000	56,250,000	
Health	Puskesmas Pembantu	unit	33,600,000	84,000,000	168,000,000	126,000,000	* Based on Tsunami D&L unit cost plus 20% inflation adjustment * Light Damage : 20%; Heavy Damage: 50%
	Posyandu	unit	10,600,000	26,500,000	53,000,000	39,750,000	Equivalent with House
Community,	Tempat Ibadah	unit	60,000,000	240,000,000	300,000,000	225,000,000	
Culture & Religion	Meunasah	unit	30,000,000	120,000,000	150,000,000	112,500,000	
HOUSING & INFRAS	TRUCTURE						
Housing	Rumah	unit	10,600,000	26,500,000	53,000,000	39,750,000	* Full Reconstruction Cost for REKOMPAK/WB Project * Light Rehab = 20% of Full Cost; Heavy Rehab: 50%
	Barak	unit	960000	2400000	4800000	3,600,000	* T-Shelter cost Rp. 1.2 Mn (JRI Project in Yogya), * 1 Barrack consist of 4 T- Shelter * Light Rehab = 20% of Full Cost; Heavy=50%
Transportation	Jalan Kabupaten	m	100,000	250,000	500,000	375,000	* Full reconstruction cost equivalent with Tsunami D/L Unit Cost, * Actual cost for WB Project in Eastern Indonesia (4m2 wide road and hotmix quality) = Rp. 700,000/m2. Assuming 30% mark up = Rp. 490,000 * Light Rehabilitation = 20% of full cost; Heavy Rehab = 50%
	Poros desa (diperkeras)	m	75,000	120,000	135,000	101,250	
	Poros desa (tanah)	m	32,500	50,000	65,000	48,750	
	Poros dusun (diperkeras)	m	62,500	100,000	112,500	84,375	
	Poros dusun (tanah)	m	27,000	42,000	54,000	40,500	
	Lingkungan (diperkeras)	m	50,000	80,000	90,000	67,500	
	Lingkungan (tanah)	m	22,000	34,000	43,000	32,250	
	Jalan Kebun (diperkeras)	m	62,500	100,000	112,500	84,375	
	Jalan Kebun (tanah)	m	27,000	42,000	54,000	40,500	
	Gorong-gorong	unit	2,400,000	4,800,000	6,000,000	4,500,000	
	Tembok Penahan Tanah	m	60,000	120,000	150,000	112,500	
	Beton	unit	16,000,000	96,000,000	120,000,000	90,000,000	
	Gelagar Besi	unit	15,000,000	65,000,000	78,000,000	58,500,000	
	Gelagar Kayu	unit	9,000,000	41,600,000	52,000,000	39,000,000	
	Gantung	unit	120,000,000	240,000,000	300,000,000	225,000,000	
Water and	Sumur Gali	unit	750,000	1,500,000	3,000,000	2,250,000	
Sanitation	Sumur Pompa Tangan	unit	200,000	400,000	800,000	600,000	
	Sumur Pompa Mesin	unit	250,000	500,000	1,000,000	750,000	
	Hidran Umum	unit	1,000,000	4,000,000	5,000,000	3,750,000	
	Perpipaan	m	20,000	40,000	50,000	37,500	
	Perlindungan Mata Air	unit	8,000,000	20,000,000	25,000,000	18,750,000	
	Sistem Penjernihan	unit	5,000,000	15,000,000	30,000,000	22,500,000	
	Penampungan Air Hujan						
		unit	3,000,000	7,500,000	15,000,000	11,250,000	
Energy	MCK Generator	unit unit	4,200,000 2,000,000	33,600,000 4,800,000	42,000,000 8,000,000	31,500,000 6,000,000	* Genset = Rp. 200 mn (BRR Masterplan) * Cost of Repair; Light =20% Heavy=100%

	Jaringan	unit	3,750	9,000	15,000	11,250	
PRODUCTIVE SECT	TORS						
Agriculture and	Bendungan	unit	5,000,000	10,000,000	25,000,000	18,750,000	
Fishery	Bangunan Irigasi	unit	3,000,000	7,000,000	15,000,000	11,250,000	
risitery	Saluran	m	45,000	100,000	125,000	93,750	
	Segala Jenis Sawah	ha	4,376,415	8,752,830	8,752,830	6,564,623	* Damage occurred in the form of crop losses * Crop Losses: Paddy Farmgate Price X average productivity/ha * Paddy Farmgate Price =2,099,000/ha (BPS 2006) * Average Productivity/ha = 4.17 MT/ha (BPS 2005) * Light Damage =50%*, Heavy and Total = 100%
	Segala Jenis Kebun	ha	670,345	1,675,862	3,351,724	2,513,793	* Unit Cost taken from Tsunam D&L Unit Cost plus 20% inflatio * Light Damage = 20% of Full Cost; Heavy = 50%
	Penggilingan Padi, Pabrik Lain	unit	20,000,000	75,000,000	150,000,000	112,500,000	
	Tambak	ha	833,000	1,666,000	1,666,000	1,249,500	* Crop losses - Average yield of tambak = 170kg/Ha - Assuming tambak produce Bandeng fish, normal price of bendeng is Rp. 14,000/kg (Serambi Indonesia, 9/2/2007) and assuming farmer price is 70% of consumer price - Crop losses/ha=170kg x 70% x 14000 - Heavily damaged tambak will incur same degree damage as replacement. light 50% of full damage.
	Segala Jenis Tambatan Permanen	unit	15,000,000	30,000,000	75,000,000	56,250,000	
	Tempat Pelelangan Ikan	unit	45,000,000	180,000,000	225,000,000	168,750,000	
	Gudang beras, dll	unit	15,000,000	50,000,000	75,000,000	56,250,000	
Trade	Pasar Desa	unit	45,000,000	180,000,000	225,000,000	168,750,000	
	Toko	unit	20,000,000	75,000,000	150,000,000	112,500,000	
Enterprises	Bengkel	unit	20,000,000	75,000,000	150,000,000	112,500,000	
GOVERNMENT AD	MINISTRATION						
	Balai Desa	unit	15,000,000	60,000,000	75,000,000	56,250,000	

ANNEX B: SURVEY INSTRUMENT (INDONESIAN)

Kajian Banjir Aceh Desember 2006

Tanggal	
Nama Fasilitator Desa/Petugas Surv	ei yang mengisi formulir ini:
Nama Kabupaten:	
Nama Kecamatan:	
Nama Desa :	

BAGIAN 1: KAJIAN PRASARANA - UNTUK DAERAH YANG TERIMBAS BANJIR

1.1 Laporan Status Kerusakan Prasarana Desa

No. Jenis Prasarana		Tipe	Satuan	Jumlah menurut tingkat kerusakan					
				1	II	III	IV		
				Tidak	Perlu perbaikan	Perlu perbaikan	Perlu		
				rusak	ringan	berat	diganti		
1.1.1	Jalan	Jalan kabupaten	meter						
		Poros desa (diperkeras)	meter						
		Poros desa (tanah)	meter						
		Poros dusun (diperkeras)	meter						
		Poros dusun (tanah)	meter						
		Lingkungan (diperkeras)	meter						
		Lingkungan (tanah)	meter						
		Jalan kebun (diperkeras)	meter						
		Jalan kebun (tanah)	meter						
		Gorong-gorong	unit						
		Tembok Penahan Tanah	meter						
1.1.2	Jembatan	Beton	unit						
		Gelagar besi	unit						
		Gelagar kayu	unit						
		Gantung	unit						
1.1.3	Air Bersih	Sumur gali	unit						
		Sumur pompa tangan	unit						
		Sumur pompa mesin	unit						
		Hidran umum	unit						
		Perpipaan	meter						
		Perlindungan mata air	unit						
		Sistim penjernihan	unit						
		Penampungan air hujan	unit						
1.1.4	MCK	MCK	unit						
1.1.5	Listrik	Sumber	unit						
		Jaringan	meter						
1.1.6	Irigasi	Bendungan	unit						
	8***	Bangunan irigasi	unit						
		Saluran	meter						
1.1.7	Tambatan perahu	Segala jenis tambatan	unit						
		permanen							
1.1.8	Fasilitas desa	Balai desa/kantor desa	unit						
		Segala tingkat sekolah (tdk TK)	unit						
		TK	unit						
		Puskesmas pembantu	unit						
		. as.comas periodita	anne						

1.1.9	Fasilitas ekonomi	Posyandu Tempat ibadah Meunasah Pasar desa Tempat pelelangan ikan Penggilingan padi, pabrik lain Bengkel Gudang beras, dll	unit unit unit unit unit unit unit unit		
1.1.10	Pemukiman	Toko Rumah penduduk	unit unit		
1.1.11	Lahan produktif	Barak (sementara) Segala jenis sawah Segala jenis kebun Tambak	KK Ha Ha ha		
BAGIA	N 2: AKSES DE	SA			
2.1		n dicapai sesudah banjir? uler (HP) bisa digunakan di desa	☐ Mudah dicapai☐ Sulit dicapai dengar☐ Tidak bisa dicapai dengar☐ Tidak		
2.3	ini sesudah banjir? Apakah ada Wartel	yang beroperasi sesudah banjir?	□Ya □Tidak		
BAGIAI	N 3: KEMATIAN				
4.1	Jumlah korban hilar Jumlah orang yang t Luka Berat Luka Ringan N 4: PENGUNG: Di desa anda, ada bi karena banjir? Di mana mereka tin Barak di desa ini Tenda di desa ini Tinggal dengan kelu Tinggal dengan rela Gedung Pemerintah Pergi ke desa lain Tidak tahu Lain-lain, jelaskan	SI erapa keluarga yang mengungsi dar ggal saat ini? larga mereka di desa ini tif/kawan di desa ini n (balai desa, pasar) di desa ini	ri rumah mereka	Orang Orang Orang KK K	
BAGIAI	v 5: К ЕВИТИНА	AN PENDUDUK			
5.1	Apa saja kebutuhan Makanan Air Minum Alat Masak Pakaian Tempat Berlindung Obat-Obatan/Bantu Lain-lain a		Sangat dibutuhkan	dibutuhkan	tidak dibutuhkan

ANNEX C: FLOOD AFFECTED LOCATIONS

District	Sub-district	# Affected Villages
Aceh Tamiang	BANDA MULIA	8
	BANDAR PUSAKA	14
	BENDAHARA	32
	KARANG BARU	30
	KEJURUAN MUDA	15
	KOTA KUALA SIMPANG	5
	MANYAK PAYED	32
	RANTAU	13
	SEKERAK	14
	SERUWAY	16
	TAMIANG HULU	6
	TENGGULAN	5
Aceh Tengah	LINGE	4
Aceh Timur	BIREM BAYEUN	4
Acen minai	JULOK	6
	PANTE BIDARI	13
	SERBAJADI	15
	SIMPANG JERNIH	7
	SIMPANG ULIM	13
Aceh Utara	BAKTIYA BARAT	5
ACEII Oldid	COT GIREK	8
	DEWANTARA	1
	KUTA MAKMUR LANGKAHAN	16
		16
	LHOK SUKON	59
	MATANGKULI	59
	MEURAH MULIA	13
	MUARA BATU	11
	NIBONG	20
	NISAM	12
	PAYA BAKONG	4
	SAMUDERA	19
	SAWANG (A.UTARA)	14
	SIMPANG KERAMAT	5
	SYAMTALIRA ARON	23
	SYAMTALIRA BAYU	19
	TANAH JAMBO AYE	2
	TANAH LUAS	52
	TANAH PASIR	20
Bener Meriah	BANDAR	15
	BUKIT	22
	PERMATA	12
	SYIAH UTAMA	20
Bireuen	GANDA PURA	38
	PEUSANGAN	11
Gayo Lues	PINDING	9
Total		757

ANNEX D: PROVINCIAL DATA SUMMARY

KAJIAN BANJIR ACEH PROGRAM PEMBANGUNAN KECAMATAN (PPK) 2007 LAPORAN RINGKASAN ACEH FLOOD ASSESSMENT
KECAMATAN DEVELOPMENT PROGRAM (KDP) 2007
OVERALL SUMMARY REPORT

STATISTIK PROFIL KESELURUHAN / STATISTIC OVERALL PROFILE

Populasi / Population: 512879

Kepala Keluarga (KK) / Households: 114809 Usia Produktif / Productive Age: 201991

Pekerjaan / Occupation: 213391

Petani / Farmers: 126251 Paramedis / Paramedics: 1449
Nelayan / Fisherman: 4838 Tentara/Polisi / Army/Police: 1234
Pedagang / Traders: 13056 Usahawan / Entrepreneurs: 2493
PNS / Civil Servants: 4551 Buruh / Labourers: 40947

Guru / Teachers: 5825 Lain / Other: 12747

Keluarga Miskin / Poor Households: 30751

Catatan: Data di bagian in berasal dari Kajian PPK terhadap Dampak Konflik dan Tsunami (2006), BPS population data (PODES 2005), dan dari program BRA-PPK.

Note: The data in this section is from the KDP Conflict and Tsunami Damage Assessment (2006), BPS population data (PODES 2005) and village population data from the BRA-KDP program.

LOKASI YANG TERIMBAS / MENINGGAL / LUKA / HILANG AFFECTED LOCATIONS / DEATHS / INJURIES / MISSING

Kabupaten/District	Jumlah Korban Meninggal/ Deaths	Jumlah Korban Luka Berat/ Heavy Injuries	Jumlah Korban Luka Ringan/ Light Injuries	Jumlah Korban Hilang/Missing
NAD - Aceh Tamiang	31	3456	165	12
NAD - Aceh Tengah		6		
NAD - Aceh Timur	7	385	45	3
NAD - Aceh Utara	5	3783	181	13
NAD - Bener Meriah	3	7	3	4
NAD – Bireuen		189	170	
NAD - Gavo Lues	1	61	q	3

Catatan: Terdapat beberapa perbedaan dengan figure yang dibuat oleh UN dan Pemerintah.

Note: There are some small discrepancies with both UN and GoI figures.

Jenis / Category	Tipe / Type	Unit	Not Damaged	Light Damaged	Heavy Damaged	Needs to be replaced	Total (Rp.)
SEKTOR SOSIAL / S							
Pendidikan /	Segala Tingkat Sekolah / All Schools	unit	177	123	109	27	31,230,000,000
Education	TK / Kindergarten	unit	87	60	32	10	3,570,000,000
Kesehatan /	Puskesmas Pembantu / Health Post	unit	51	39	23	12	5,258,400,000
Health	Posyandu /Post-Natal Clinic	unit	138	87	64	42	4,844,200,000
Masyarakat,	Tempat Ibadah / Prayer Room	unit	310	210	133	50	59,520,000,000
Budaya, Agama	Meunasah/Mesjid / Mosque	unit	317	216	121	47	28,050,000,000
/ Community,							
Culture, Religion							
	PEMUKIMAN / INFRASTRUCTURE AND HOUSING						
Pemukiman /	Rumah Penduduk / Houses	unit	47,281	24,874	13,124	4,412	845,286,400,000
Housing	Barak / Barracks	KK	1,375	350	244	153	1,655,520,000
Transportasi	Jalan Kabupaten / District Roads	meter	377,408	123,498	214,540	8,090	70,029,800,000
dan Komunikasi	Poros Desa (diperkeras) / Villlage Road (Paved)	meter	452,558	268,560	392,940	24,460	70,596,900,000
/	Poros Desa (tanah) / Village Road (Dirt)	meter	176,718	119,631	255,687	20,230	17,987,307,500
Transportation	Poros Dusun (diperkeras) /Hamlet Road (Paved)	meter	217,054	131,606	229,961	15,985	33,019,787,500
and	Poros Dusun (tanah) / Hamlet Road (Dirt)	meter	200,976	110,197	215,684	17,446	12,976,131,000
Communication	Lingkungan (diperkeras) / Footpath (paved)	meter	50,699	22,485	62,303	7,311	6,766,480,000
	Lingkungan (tanah) / Footpath (dirt)	meter	106,065	64,060	70,396	14,407	4,422,285,000
	Jalan Kebun (diperkeras) / Orchard Road (paved)	meter	97,403	45,930	67,812	12,874	11,100,150,000
	Jalan Kebun (tanah) / Orchard Road (dirt)	meter	148,475	118,817	149,042	17,430	10,409,043,000
	Gorong-Gorong / Calvert	unit	1,538	614	1,004	680	10,372,800,000
	Tembok Penahan Tanah / Retaining Wall	meter	36,031	8,458	14,746	16,536	4,757,400,000
	Jembatan Beton / Concrete Bridge	unit	426	111	120	75	22,296,000,000
	Jembatan Gelagar Besi / Steel Bridge	unit	53	47	84	42	9,441,000,000
	Jembatan Gelagar Kayu / Wood Bridge	unit	59	106	239	249	23,844,400,000
	Jembatan Gantung / Suspension Bridge	unit	11	13	14	13	8,820,000,000
Sumber Energi /	Sumber Listrik /Electiricy Source	unit	64	20	16	94	868,800,000
Energy	Jaringan Listrik / lectricity Network	meter	489,854	29,512	36,442	33,407	939,753,000
Air Bersih dan	Sumur Gali / Well	unit	26,303	11,348	10,903	4,042	36,991,500,000
Sanitasi / Water	Sumur Pompa Tangan / Hand Pump	unit	259	398	258	61	231,600,000
and Sanitation	Sumur Pompa Mesin / Machine Pump	unit	2,872	1,193	1,421	337	1,345,750,000
	Hidran Umum / Public Standpipe	unit	19	27	35	16	247,000,000
	Perpipaan / Piping	meter	47,276	10,213	21,912	28,329	2,497,190,000
	Perlindungan Mata Air / Catchment	unit	1	8	36	3	859,000,000
	Sistem Penjernihan / Purification Syste	unit	6	3	11	9	450,000,000
	Penampungan Air Hujan / Storage Tank	unit	5	6	10	21	408,000,000
	MCK / Public Toilet and Landry	unit	341	275	292	173	18,232,200,000
SEKTOR PRODUKT	TIF / PRODUCTIVE SECTORS						
Pertanian /	Segela Jenis Sawah / All Fields	ha	17,343	7,610	14,440	2,353	180,289,917,057
Agriculture	Segala Jenis Kebun / All Plantations	ha	29,132	12,100	20,631	531	44,463,729,414
-	Tambak / Fish Ponds	ha	1,767	2,115	2,707	193	47,181,653,120
	Bendungan / Weir	unit	36	10	33	23	955,000,000
	Bangunan Irigasi / Irrigation Gates	unit	120	76	79	40	1,381,000,000
	Saluran / Irrigation Channels	meter	397,994	178,932	261,945	65,810	42,472,690,000
	Penggilingan Padi / Rice Winnowing Facility	unit	153	136	126	23	15,620,000,000
	Gudang Beras / Rice Warehouse	unit	49	55	27	8	2,775,000,000
Perikanan /	Tempat Pelelangan Ikan / Fish Market	unit	11	14	21	4	5,310,000,000
Fishery	Tambatan / Permanent Jetty	unit	5	9	15	21	2,160,000,000
Perdagangan /	Pasar Desa / Village Market	unit	35	20	13	10	5,490,000,000
Trade	Toko / Shop	unit	2,375	791	267	117	53,395,000,000
Usaha /	Bengkel / Garage	unit	2,373	152	126	117	15,040,000,000
Enterprises	Delignet / Garage	uIIIt	259	152	120	1/	13,040,000,000
	MERINTAHAN / GOVERNMENT ADMINISTRATION						
ADIVIIIVISTRASI PE	Balai/Kantor Desa / Village Office	unit	123	92	69	48	9,120,000,000
	palal/valitor pesa / village Office	uIIIt	123	92	09	48	3,120,000,000
				LICE 4	00 220 076	n	1 70/ 070 706 E01

USD 198,330,976

Rp.1,784,978,786,591

Jenis / Category	Тіре / Туре	Unit	No	Light Loss	Heavy Loses	Replace Losses	Total (Rp.)
SEKTOR SOSIAL / S	OCIAL SECTORS						
Pendidikan /	Membersihkan failitas Segala Tingkat Sekolah /	unit	177	123	109	27	21,100,000
Education	Clean up facilities of All Schools						
	Membersihkan fasilitas TK /	unit	87	60	32	10	7,700,000
	Clean up facilities of Kindergarten						
Kesehatan /	Membersihkan fasilitas Pustu /	unit	51	39	23	12	6,050,000
Health	Clean up facilities of Pustu						
	Pengobatan Darurat bagi yang terluka /	Injured		573	7,887		4,000,800,000
	Emergency Medical Assistance for the Injured	Person					
PRASARANA DAN I	PEMUKIMAN / INFRASTRUCTURE AND HOUSING						
Pemukiman /	Pemindahan Puing / Debris Removal	unit	47,281	24,874	13,124	4,412	3,217,900,000
Housing	Tempat Tinggal Sementara / T-shelter	unit	47,281	24,874	13,124	4,412	21,043,200,000
	Perabotan dan Alat Rumah Tangga /	unit	47,281	24,874	13,124	4,412	71,769,600,000
	Furniture and HH Appliances						
	Persediaan Pakaian / Clothing Stock	unit	47,281	24,874	13,124	4,412	6,753,240,000
	Persediaan Makanan / Food Stock	unit	47,281	24,874	13,124	4,412	2,374,960,000
SEKTOR PRODUKTI	F / PRODUCTIVE SECTORS						
Perdagangan /	Pasar Desa / Village Market	unit	35	20	13	10	297,000,000
Trade	Toko / Shop	unit	2,375	791	267	117	616,700,000
Usaha /	Bengkel / Garage	unit	239	152	126	17	306,600,000
Enterprises							

USD 12,268,317

Rp. 110,414,850,000

ANNEX E: DISTRICT DATA SUMMARIES

KAJIAN BANJIR ACEH PROGRAM PEMBANGUNAN KECAMATAN (PPK) 2007 LAPORAN RINGKASAN KABUPATEN ACEH FLOOD ASSESSMENT KECAMATAN DEVELOPMENT PROGRAM (KDP) 2007 DISTRICT SUMMARY REPORT

KABUPATEN / DISTRICT: NAD - ACEH TAMIANG

STATISTIC OVERALL PROFILE / STATISTIK PROFIL KESELURUHAN

Populasi / Population: 213302

Kepala Keluarga (KK) / Households: 45746 Usia Produktif / Productive Age: 53336

Pekerjaan / Occupation: 72755

Petani / Farmers: 33191 Paramedis / Paramedics: 500

Nelayan / Fishermann:2157Tentara/Polisi / Army/Police: 678Pedagang / Traders:6275Usahawan / Entreprenours: 886PNS / Civil Servants:1916Buruh / Labourers: 17831

Guru / Teachers: 1753 Lain / Other: 7568

Keluarga Misking / Poor Households: 10201

Catatan: Data di bagian in berasal dari Kajian PPK terhadap Dampak Konflik dan Tsunami (2006), BPS population data (PODES 2005), dan dari program BRA-PPK.

Note: The data in this section is from the KDP Conflict and Tsunami Damage Assessment (2006), BPS population data (PODES 2005) and village population data from the BRA-KDP program.

LOKASI YANG TERIMBAS / MENINGGAL / LUKA / HILANG AFFECTED LOCATIONS / DEATHS / INJURIES / MISSING

Kabupaten/ District	Kecamatan/ Sub-district	Jumlah Korban Meninggal/ Deaths	Jumlah Korban Luka Berat/ Heavy Injuries	Jumlah Korban Luka Ringan/ Light Injuries	Jumlah Korban Hilang/ Missing
NAD - Aceh Tamiang	BANDA MULIA		97	1	
NAD - Aceh Tamiang	BANDAR PUSAKA		134		
NAD - Aceh Tamiang	BENDAHARA	1	1331	37	
NAD - Aceh Tamiang	KARANG BARU	8	65	25	2
NAD - Aceh Tamiang	KEJURUAN MUDA	7	392	2	
NAD - Aceh Tamiang	KOTA KUALA SIMPANG	1	54	19	
NAD - Aceh Tamiang	MANYAK PAYED	2	160		
NAD - Aceh Tamiang	RANTAU	2	325	2	
NAD - Aceh Tamiang	SEKERAK	9	181	66	7
NAD - Aceh Tamiang	SERUWAY		20		
NAD - Aceh Tamiang	TAMIANG HULU		83	13	
NAD - Aceh Tamiang	TENGGULAN	1	614		3

Muration	Jenis / Category	Tipe / Type	Unit	Not Damaged	Light Damage	Heavy Damage	Needs to be replaced	Total (Rp.)
ducation	SEKTOR SOSIAL / SO							
Puskems Pembantu / Health Post unit 18 15 10 4 2,016,000,00	Pendidikan /	Segala Tingkat Sekolah / All Schools	unit	51		70		18,945,000,000
Realth	Education	<u> </u>	unit	31	33	15		1,770,000,000
Meyarakat, Tempat Ibadah / Prayer Room unit 67 89 62 12 23,820,000,00	Kesehatan /	•	unit					2,016,000,000
udays, Agama/ community, ulture, Religion Meunash/Mesjid / Mosque unit 67 110 67 23 14/790,000,000 RASARANA DAN PEMUKIMAN / INFRASTRUCTURE AND HOUSING emukiman / Permukiman / Rumah Penduduk / Houses unit 17.832 14,151 9,392 3.093 562,817,600,00 Iousing Barak / Barraks KK 549 92 36 95 630,720,00 Iousing Barak / Barraks KK 549 92 36 95 630,720,00 Grommunikasi / Poros Desal (diperkeras) / Village Road (Paved) meter 89,867 85,230 223,818 8,480 34,395,210,00 Ind Poros Desugn (diperkeras) / Village Road (Dirt) meter 40,533 43,690 107,849 3,650 1,392,6150,00 Ommunication Poros Dusun (Intellegan / Carpan / Foropath (paved) meter 1,053 4,053 28,765 2,252,250,00 Lingkungan (Lingkungan (Elaperkera) / Foropath (paved) meter 1,050 8,180 1,352,261,50 Jalan Kebun (Lingkungan (Lingkungan / Carpan / Ca	Health	•						2,268,400,000
RASARANA DAN PEMUKIMAN / INFRASTRUCTURE AND HOUSING emukiman / Rumah Penduduk / Houses unit 17,832 14,151 9,392 3,093 562,817,600,0 lousing Barak / Barracks KK 549 92 36 95 630,720,0 ransportasi dan Jalan Kabupaten / District Roads meter 57,295 18,760 36,615 770 11,414,750,0 ornaminikas / Poros Desa (Ignehexeras) / Village Road (Paved) meter 89,867 85,20 223,818 8,480 34,395,125,0 ransportation Poros Desa (Ignehexeras) / Village Road (Paved) meter 93,605 21,890 109,849 34,003,501 13,926,101 ornaminication Poros Desa (Ignehexeras) / Village Road (Dirt) meter 93,605 21,890 109,536 2,000 6,318,225,00 ornaminication Poros Dusun (Ignehexeras) / Familian Road (Daved) meter 43,421 21,195 110,429 2,000 5,318,283,00 ornaminication Poros Dusun (Ignehexeras) / Forostath (I	Masyarakat,	Tempat Ibadah / Prayer Room	unit			62		23,820,000,000
witure, Religion Remukiman / Rumah Penduduk / Houses unit 17,832 14,151 9,392 3,093 562,817,600,01 Rousing Barak / Barracks KK 549 92 36 95 630,720,00 Barak / Barrack District Roads KK 549 92 36 95 630,720,00 Barak / Barrack District Roads Meter 57,795 18,760 36,615 770 11,141,700,00 monunikasi / Poros Desa (diperkeras) / Village Road (Paved) meter 89,867 85,230 223,818 8,480 43,395,210,00 nd Poros Desa (diperkeras) / Village Road (Paved) meter 89,867 85,230 223,818 8,480 43,395,210,00 nd Poros Desum (diperkeras) / Hambet Road (Paved) meter 40,533 43,690 109,536 20,00 6,5318,210,00 nd Poros Dusun (diperkeras) / Fortpath (paved) meter 40,533 43,690 109,536 20,00 5,318,226,150,00 pommunikation Poros Dusun (diperkeras) / Fortpath (paved) meter 10,95 4,635 28,765 2,532,950,00 Lingkungan (Linamh) / Hootpath (paved) meter 10,900 8,700 16,850 764,300,00 Jalan Kebun (diperkeras) / Orchard Road (paved) meter 1,222 3,600 7,878 3,000 13,930,000,00 Jalan Kebun (Inamh) / Fortpath (paved) meter 1,222 3,600 7,878 3,000 13,930,000,00 Jalan Kebun (Inamh) / Fortpath (paved) meter 1,222 3,600 7,878 3,000 13,930,300,00 Jalan Kebun (Hamah) / Fortpath (paved) meter 1,222 3,600 7,878 3,000 13,930,300,00 Jalan Kebun (Hamah) / Carbard Road (paved) meter 1,222 3,600 7,878 3,000 13,930,300,00 Jalan Kebun (Hamah) / Carbard Road (paved) meter 1,222 3,600 7,878 3,000 13,930,300,00 Jalan Kebun (Hamah) / Carbard Road (paved) meter 1,222 3,600 7,878 3,000 13,930,300,00 Jalan Kebun (Hamah) / Carbard Road (paved) meter 1,222 3,600 7,878 3,000 13,930,300,00 Jalan Kebun (Hamah) / Carbard Road (paved) meter 1,222 3,600 7,878 3,000 13,930,300,00 Jalan Kebun (Hamah) / Carbard Road (paved) meter 1,222 3,600 7,722 5,223,155,00 Jalan Kebun (Hamah) / Carbard Road (paved) meter 1,222 3,730,000 7,722 5,222,457,50 Jalan Kebun (Hamah) / Carbard Road (paved) meter 1,222 3,730,000 7,722 5,222,457,50 Jalan Kebun (Hamah) / Carbard Road (paved) meter 1,222 3,730,000 7,722 5,720,450,000 7,722 5,720,450,000 7,722 5,720,450,000 7,722 7,720,000	Budaya, Agama /	Meunasah/Mesjid / Mosque	unit	67	110	67	23	14,790,000,000
Rumah Penduduk Houses unit 17,832 14,151 9,392 3,093 562,817,600,00 Barak Barraks KK 549 92 36 95 630,720,00 Fansportasid dan Jalan Kabupaten / District Roads meter 57,205 18,760 36,615 770 11,414,7500 Poros Desa (diperkeras) / Villiage Road (Paved) meter 89,867 85,230 223,818 8,480 34,395,210,00 Poros Dusun (diperkeras) / Final Road (Paved) meter 40,533 43,690 107,849 3,650 33,926,150,00 Poros Dusun (diperkeras) / Footpath (paved) meter 43,421 21,195 110,429 2,000 5,318,283,00 Poros Dusun (diperkeras) / Footpath (paved) meter 1,095 4,635 28,765 2,532,950,00 Lingkungan (diperkeras) / Crohard Road (paved) meter 1,095 4,635 28,765 2,532,950,00 Jalan Kebun (tanah) / Fortard Road (paved) meter 1,222 3,600 7,878 3,000 1,353,030,00 Jalan Kebun (tanah) / Fortard Road (paved) meter 1,222 3,600 7,878 3,000 1,353,030,00 Jalan Kebun (tanah) / Crohard Road (paved) meter 1,222 3,600 7,878 3,000 1,353,030,00 Jalan Kebun (tanah) / Crohard Road (paved) meter 1,222 3,600 7,878 3,000 1,353,030,00 Jalan Kebun (tanah) / Crohard Road (paved) meter 1,222 3,600 7,878 3,000 1,353,030,00 Jembatan Beton / Concrete Bridge unit 25 269 387 190 3,643,200,00 Jembatan Gelagar Resi / Steel Bridge unit 30 43 23 13 4,456,000,00 Jembatan Gelagar Resi / Steel Bridge unit 16 40 73 83 7,712,800,00 Jembatan Gelagar Keyu / Wood Bridge unit 16 40 73 83 3,712,800,00 Jembatan Gelagar Keyu / Wood Bridge unit 17 29 205 4 9,100,00 Jembatan Gelagar New / Steel Bridge unit 17 29 205 4 9,100,00 Jembatan Gelagar Resi / Steel Bridge unit 17 27 27 27 27 27 27 27	Community, Culture, Religion							
Rumah Penduduk Houses unit 17,832 14,151 9,392 3,093 562,817,600,00 Barak Barraks KK 549 92 36 95 630,720,00 Fansportasid dan Jalan Kabupaten / District Roads meter 57,205 18,760 36,615 770 11,414,7500 Poros Desa (diperkeras) / Villiage Road (Paved) meter 89,867 85,230 223,818 8,480 34,395,210,00 Poros Dusun (diperkeras) / Final Road (Paved) meter 40,533 43,690 107,849 3,650 33,926,150,00 Poros Dusun (diperkeras) / Footpath (paved) meter 43,421 21,195 110,429 2,000 5,318,283,00 Poros Dusun (diperkeras) / Footpath (paved) meter 1,095 4,635 28,765 2,532,950,00 Lingkungan (diperkeras) / Crohard Road (paved) meter 1,095 4,635 28,765 2,532,950,00 Jalan Kebun (tanah) / Fortard Road (paved) meter 1,222 3,600 7,878 3,000 1,353,030,00 Jalan Kebun (tanah) / Fortard Road (paved) meter 1,222 3,600 7,878 3,000 1,353,030,00 Jalan Kebun (tanah) / Crohard Road (paved) meter 1,222 3,600 7,878 3,000 1,353,030,00 Jalan Kebun (tanah) / Crohard Road (paved) meter 1,222 3,600 7,878 3,000 1,353,030,00 Jalan Kebun (tanah) / Crohard Road (paved) meter 1,222 3,600 7,878 3,000 1,353,030,00 Jembatan Beton / Concrete Bridge unit 25 269 387 190 3,643,200,00 Jembatan Gelagar Resi / Steel Bridge unit 30 43 23 13 4,456,000,00 Jembatan Gelagar Resi / Steel Bridge unit 16 40 73 83 7,712,800,00 Jembatan Gelagar Keyu / Wood Bridge unit 16 40 73 83 3,712,800,00 Jembatan Gelagar Keyu / Wood Bridge unit 17 29 205 4 9,100,00 Jembatan Gelagar New / Steel Bridge unit 17 29 205 4 9,100,00 Jembatan Gelagar Resi / Steel Bridge unit 17 27 27 27 27 27 27 27	PRASARANA DAN P	EMUKIMAN / INFRASTRUCTURE AND HOUSING						
Tarasportation Jalan Kabupaten District Roads meter 57,295 18,760 36,615 770 11,414,7500 monunikasi Poros Desa (tanah) Village Road (Paved) meter 89,867 85,330 223,818 8,480 34,395,210.07 and monunikasi Poros Dusun (diperkeras) / Hamilet Road (Paved) meter 40,533 43,690 107,849 3,650 33,926,1500 meter 40,533 43,690 107,849 3,650 33,926,1500 meter 43,421 21,195 110,429 2,000 5,318,283.01 meter 43,421 21,195 110,429 2,000 5,318,283.01 meter 1,095 4,635 28,765 2,532,9500 Jalan Kebun (diperkeras) / Orchard Road (paved) meter 1,095 4,635 28,765 2,532,9500 Jalan Kebun (diperkeras) / Orchard Road (paved) meter 1,222 3,600 7,878 3,000 1,350,3000 Jalan Kebun (tanah) / Forbard Road (paved) meter 1,222 3,600 7,878 3,000 3,530,3000 Jalan Kebun (tanah) / Forbard Road (paved) meter 1,222 2,690 387 190 3,643,2000 Jembatan Beton / Concrete Bridge unit 225 269 387 190 3,643,2000 Jembatan Beton / Concrete Bridge unit 90 43 23 13 4,456,0000 Jembatan Gelagar Besi / Steel Bridge unit 16 40 73 83 7,712,800,00 Jembatan Gelagar Besi / Steel Bridge unit 1 3 5 3 2,460,00000 Jembatan Gelagar Besi / Steel Bridge unit 1 3 5 3 2,460,00000 Jembatan Gelagar Besi / Steel Bridge unit 1 3 5 3 2,460,00000 Jembatan Gelagar Besi / Steel Bridge unit 1 3 5 3 2,460,00000 Jembatan Gelagar Besi / Steel Bridge unit 1 3 5 3 2,460,00000 Jembatan Gelagar Besi / Steel Bridge unit 1 3 5 3 2,460,00000 Jembatan Gelagar Besi / Steel Bridge unit 1 3 5 3 2,460,00000 Jembatan Gelagar Besi / Steel Bridge unit 1 3 5 3 2,460,00000 Jembatan Gelagar Besi / Steel Bridge unit 1 2 2 2 4,460,00000 Jembatan Gelagar Besi / Steel Bridge unit 1 3 5 3 2,460,00000 Jembatan Gelagar Besi / Steel Bridge unit 1 2 2 2 4,400,0000 Jembatan Gel	Pemukiman /	Rumah Penduduk / Houses	unit	17,832	14,151	9,392	3,093	562,817,600,000
Porso Desa (diperkeras) / Village Road (Paved) meter 89,867 85,230 223,818 8,480 34,395,210,00 arransportation Porso Desa (tanah) / Village Road (Dirt) meter 39,605 21,890 109,536 2,000 6,318,225,000 arransportation Porso Dusun (diperkeras) / Hamlet Road (Paved) meter 40,533 43,690 107,849 3,650 13,926,150,00 arransportation Porso Dusun (tanah) / Hamlet Road (Dirt) meter 40,533 43,690 107,849 3,650 3,1926,150,00 arransportation Porso Dusun (tanah) / Hamlet Road (Dirt) meter 1,095 4,635 26,755 2,000 5,318,883,00 arransportation 2,192 3,600 7,878 3,000 3,643,000,00 alsa Rebun (diperkeras) / Cortard Road (dirt) meter 1,222 3,600 7,878 3,000 3,643,200,00 alsa Rebun (tanah) / Orchard Road (dirt) meter 1,222 3,600 7,878 3,000 3,643,200,00 alsa Rebun (tanah) / Orchard Road (dirt) meter 1,222 2,690 387 190 3,643,200,00 alsa Rebun (tanah) / Orchard Road (dirt) meter 3,183 694 395 1,800 39,940,00 alsa Rebun (tanah) / Orchard Road (dirt) meter 3,183 694 395 1,800 39,940,00 alsa Rebun (tanah) / Orchard Road (dirt) meter 3,183 694 395 1,800 39,940,00 alsa Road (alsa Resis / Steel Birdge unit 21 29 388 18 4,309,000,00 alsa Road (alsa Resis / Steel Birdge unit 1 1 3 5 3 2,460,000,00 alsa Road (alsa Resis / Steel Birdge unit 1 3 5 3 2,460,000,00 alsa Road (alsa Resis / Steel Birdge unit 1 3 5 3 2,460,000,00 alsa Road (alsa Resis / Steel Birdge unit 1 3 5 3 2,460,000,00 alsa Road (alsa Resis / Steel Birdge unit 1 3 5 3 2,460,000,00 alsa Road (alsa Resis / Steel Birdge unit 1 3 5 3 2,460,000,00 alsa Road (alsa Resis / Steel Birdge unit 1 2 2 3 2,460,000,00 alsa Road (alsa Resis / Steel Birdge unit 1 2 2 3 3 3 3 3 3 3 3	Housing	Barak / Barracks	KK	549		36	95	630,720,000
Porso Desa (diperkeras) / Village Road (Paved) meter 89,867 85,230 223,818 8,480 34,395,210,00 arransportation Porso Desa (tanah) / Village Road (Dirt) meter 39,605 21,890 109,536 2,000 6,318,225,000 arransportation Porso Dusun (diperkeras) / Hamlet Road (Paved) meter 40,533 43,690 107,849 3,650 13,926,150,00 arransportation Porso Dusun (tanah) / Hamlet Road (Dirt) meter 40,533 43,690 107,849 3,650 3,1926,150,00 arransportation Porso Dusun (tanah) / Hamlet Road (Dirt) meter 1,095 4,635 26,755 2,000 5,318,883,00 arransportation 2,192 3,600 7,878 3,000 3,643,000,00 alsa Rebun (diperkeras) / Cortard Road (dirt) meter 1,222 3,600 7,878 3,000 3,643,200,00 alsa Rebun (tanah) / Orchard Road (dirt) meter 1,222 3,600 7,878 3,000 3,643,200,00 alsa Rebun (tanah) / Orchard Road (dirt) meter 1,222 2,690 387 190 3,643,200,00 alsa Rebun (tanah) / Orchard Road (dirt) meter 3,183 694 395 1,800 39,940,00 alsa Rebun (tanah) / Orchard Road (dirt) meter 3,183 694 395 1,800 39,940,00 alsa Rebun (tanah) / Orchard Road (dirt) meter 3,183 694 395 1,800 39,940,00 alsa Road (alsa Resis / Steel Birdge unit 21 29 388 18 4,309,000,00 alsa Road (alsa Resis / Steel Birdge unit 1 1 3 5 3 2,460,000,00 alsa Road (alsa Resis / Steel Birdge unit 1 3 5 3 2,460,000,00 alsa Road (alsa Resis / Steel Birdge unit 1 3 5 3 2,460,000,00 alsa Road (alsa Resis / Steel Birdge unit 1 3 5 3 2,460,000,00 alsa Road (alsa Resis / Steel Birdge unit 1 3 5 3 2,460,000,00 alsa Road (alsa Resis / Steel Birdge unit 1 3 5 3 2,460,000,00 alsa Road (alsa Resis / Steel Birdge unit 1 2 2 3 2,460,000,00 alsa Road (alsa Resis / Steel Birdge unit 1 2 2 3 3 3 3 3 3 3 3	Transportasi dan	Jalan Kabupaten / District Roads	meter	57,295	18,760	36,615	770	11,414,750,000
Part	Komunikasi /							
Poros Dusun (diperkeras) / Hamlet Road (Paved) meter 40,533 43,690 107,849 3,550 13,926,150,00	· ·							
Pommunication	and	, , , , , , , , , , , , , , , , , , , ,						
Lingkungan (diperkeras) / Footpath (paved) meter 1,095 4,635 28,765 2,532,950,00	Communication	, , , , , , , , , , , , , , , , , , , ,		-				
Lingkungan (tanah) / Footpath (citr) meter 19,000 8,700 16,850 764,300,01 Jalan Kebun (diperkeras) / Orchard Road (lart) meter 1,222 3,600 7,878 3,000 1,353,000,01 Jalan Kebun (tanah) / Orchard Road (lart) meter 1,225 269 387 190 3,643,200,01 Tembok Penahan Tanah / Retaining Wall meter 3,183 694 395 1,800 359,040,00 Jembatan Beton / Concrete Bridge unit 225 269 387 190 3,643,200,00 Jembatan Gelagar Besi / Steel Bridge unit 210 29 38 18 4,456,000,01 Jembatan Gelagar Besi / Steel Bridge unit 21 29 38 18 3,090,000,00 Jembatan Gelagar Resi / Steel Bridge unit 21 29 38 18 3,70,128,000,00 Jembatan Gelagar Resi / Steel Bridge unit 21 3 5 3 2,460,000,00 Jembatan Gelagar Resi / Steel Bridge unit 4 1 2,000,00 Jembatan Gelagar Resi / Steel Bridge unit 4 1 2,000,00 Jembatan Gelagar Resi / Steel Bridge unit 4 1 2,000,00 Jembatan Gelagar Resi / Steel Bridge unit 4 1 2,000,00 Jembatan Gelagar Resi / Steel Bridge unit 4 1 2,000,00 Jembatan Gelagar Resi / Steel Bridge unit 4 1 2,000,00 Jembatan Gelagar Resi / Steel Bridge unit 4 1 2,000,00 Jembatan Gelagar Resi / Steel Bridge unit 4 1 2,000,00 Jembatan Gelagar Resi / Steel Reinam / Sumur Geli / Well unit 2,780 3,528 5,761 2,017 17,383,500,00 Rergi Jarigan Listrik / Electricity Network meter 86,795 7,062 16,400 7,225 282,457,5 Ir Bersih dan sumur Geli / Well unit 1,276 810 1,316 187 1,047,500,00 Sumur Jempa Mesin / Machine Pump unit 1,276 810 1,316 187 1,047,500,00 Perpipaan / Piping meter 5,190 5,965 305 4,910 377,000,00 Perpipaan / Piping meter 5,190 5,965 305 4,910 377,000,00 Perpipaan / Piping meter 5,190 5,965 305 4,910 377,000,00 Perpipaan / Piping meter 5,190 5,965 305 4,910 377,000,00 Perpipaan / Piping							_,-,	
Jalan Kebun (diperkeras) / Orchard Road (paved) meter 1,222 3,600 7,878 3,000 1,350,300,00 Jalan Kebun (tanah) / Orchard Road (dirt) meter 15,262 16,045 38,550 2,052,315,00 Gorong-Gorong / Calvert unit 225 269 387 190 3,643,200,00 Tembok Penahan Tanah / Retaining Wall meter 3,183 694 395 1,800 359,040,00 Jembatan Beton / Concrete Bridge unit 21 29 38 18 4,309,000,00 Jembatan Gelagar Resi / Steel Bridge unit 16 40 73 83 7,712,800,00 Jembatan Galagar Kayu / Wood Bridge unit 1 3 5 3 2,460,000,00 Jembatan Gantung / Suspension Bridge unit 1 3 5 3 2,460,000,00 Jembatan Gantung / Suspension Bridge unit 4 1 2,000,00 Jembatan Galistrik / Electricity Network meter 86,795 7,062 16,400 7,225 282,457,50 Ir Bersih dan Sumur Gali / Well unit 2,780 3,528 5,761 2,017 17,338,500,00 All Sumur Bompa Tangan / Hand Pump unit 1,216 810 1,316 187 1,047,500,00 All Sanitation Sumur Pompa Tangan / Hand Pump unit 1,216 810 1,316 187 1,047,500,00 Perlipaan / Piping meter 5,190 5,965 305 4,910 377,000,00 Perlipaan / Piping meter 5,190 5,965 305 4,910 377,000,00 Perlindungan Mata Air / Catchment unit 1 2 2 4 4 4 8 8 6 6,253,800,00 Penampungan Air Hujan / Storage Tank unit 1 2 2 2 8 141,000,00 Penampungan Air Hujan / Storage Tank unit 1 2 2 2 2 2,376,070,00 Penampungan / Weir unit 2 1 5 1 80,000,00 Bangunan / Higasi / Irrigation Gates unit 1,269 1,375 20,196 18,812,05,00 Bangunan / Weir unit 2 1 5 1 80,000,00 Bangunan / Weir unit 4 78 78 8 8,610,000,00 Pengalingan Padi / Rice Winnowing Facility unit 4 78 78 8 8,610,000,00 Pengalingan Padi / Rice Winnowing Facility unit 4 78 78 8 8,610,000,00 Pengalingan Padi / Rice Winnowing Facility unit 4 78 78								
Jalan Kebun (tanah) / Orchard Road (dirt) meter 15,262 16,045 38,550 2,052,315,00 Gorong-Gorong / Calvert unit 225 269 387 190 3,643,200,00 Tembok Penahan Tanah / Retaining Wall meter 3,183 694 395 1,800 359,040,00 Jembatan Beton / Concrete Bridge unit 90 43 23 13 4,456,000,00 Jembatan Gelagar Best / Steel Bridge unit 21 29 38 18 4,309,000,00 Jembatan Gelagar Kayu / Wood Bridge unit 16 40 73 83 7,712,800,00 Jembatan Gantung / Suspension Bridge unit 1 3 5 3 2,460,000,00 Jembatan Gantung / Suspension Bridge unit 1 3 5 3 2,460,000,00 Jembatan Gantung / Suspension Bridge unit 1 3 5 3 2,460,000,00 Jembatan Gantung / Suspension Bridge unit 1 3 5 3 2,460,000,00 Jembatan Gantung / Suspension Bridge unit 1 3 5 3 2,460,000,00 Jembatan Gantung / Suspension Bridge unit 4 1 2 2,000,00 Jembatan Gantung / Suspension Bridge unit 4 5 7,062 16,400 7,225 282,457,50 Jembatan Gantung / Suspension Bridge unit 2,780 3,528 5,761 2,017 17,338,500,00 Jembatan Gantung / Suspension Bridge unit 2,780 3,528 5,761 2,017 17,338,500,00 Jembatan Gantung / Jembatan							3 000	
Gorong-Gorong / Calvert					-		3,000	
Tembok Penahan Tanah / Retaining Wall meter 3,183 694 395 1,800 359,040,00 Jembatan Beton / Concrete Bridge unit 90 43 23 13 4,456,000,00 Jembatan Gelagar Kayu / Wood Bridge unit 16 40 73 83 7,712,800,00 Jembatan Gelagar Kayu / Wood Bridge unit 16 40 73 83 7,712,800,00 Jembatan Gantung / Suspension Bridge unit 1 3 5 3 2,460,000,00 Jembatan Gantung / Suspension Bridge unit 1 4 1 2,000,00 Jembatan Gantung / Suspension Bridge unit 2,780 3,528 5,761 2,017 7,225 282,457,50 Jembatan Gali / Well unit 2,780 3,528 5,761 2,017 7,225 282,457,50 Jaringan Listrik / Electricity Network meter 86,795 7,062 16,400 7,225 282,457,50 Jaringan Jestrik / Electricity Network meter 86,795 7,062 16,400 7,225 282,457,50 Jaringan Jestrik / Electricity Network meter 86,795 7,062 16,400 7,225 282,457,50 Jaringan Jestrik / Electricity Network meter 86,795 7,062 16,400 7,225 282,457,50 Jaringan Jestrik / Electricity Network meter 86,795 7,062 16,400 7,225 282,457,50 Jaringan Jestrik / Electricity Network meter 86,795 7,062 16,400 7,225 282,457,50 Jaringan Jestrik / Electricity Network meter 86,795 7,062 16,400 7,225 282,457,50 Jaringan Jestrik / Electricity Network meter 86,795 7,062 16,400 7,225 282,457,50 Jaringan Jestrik / Electricity Network meter 5,190 5,965 3,05 4,910 37,000,00 Perpipaan / Piping meter 5,190 5,965 305 4,910 37,000,00 Perpipaan / Piping meter 5,190 5,965 305 4,910 37,000,00 Jaringan / Piping meter 5,190 5,965 305 4,910 37,000,00 Jaringan / Piping meter 5,190 5,965 305 4,910 37,000,00 Jaringan / Piping meter 5,190 5,965 305 4,910 37,000,00 Jaringan / Piping meter 5,190 5,965 305 4,910 37,000,00 Jaringan / Piping meter 5,190 5,965 305 4,910 37,0							190	
Jembatan Beton / Concrete Bridge								
Jembatan Gelagar Besi / Steel Bridge								
Jembatan Gelagar Kayu / Wood Bridge		·						
Jembatan Gantung / Suspension Bridge Unit 1 3 5 3 2,460,000,00								
umber Energi / nergy Jaringan Listrik / Electricity Network meter 86,795 7,062 16,400 7,225 282,437,57,61 sir Bershi dan Sumur Gali / Well unit 2,780 3,528 5,761 2,017 17,338,500,00 anitasi / Water Sumur Pompa Tangan / Hand Pump unit 1,07 29 205 4 91,000,00 anitasi / Water Sumur Pompa Tangan / Hand Pump unit 1,016 810 1,316 187 1,047,500,00 Hidran Umum / Public Standpipe unit 4 5 15 65,000,00 Perpipaan / Piping meter 5,190 5,965 305 4,910 377,000,00 Perlindungan Mata Air / Catchment unit 1 2 1 1 65,000,00 Perlindungan Mar Hujan / Storage Tank unit 1 2 2 4,910,000,00 Sistem Penjernihan / Puriffication Syste unit 1 2 2 8 141,000,00 MCK / Public Toilet and Landry unit 1 2 7								
Nergy Jaringan Listrik / Electricity Network meter 86,795 7,062 16,400 7,225 282,457,50 Iri Bersih dan Sumur Gali / Well unit 2,780 3,528 5,761 2,017 17,338,500,00 Iri Bersih dan Sumur Pompa Tangan / Hand Pump unit 107 29 205 4 91,000,00 Ind Sanitation Sumur Pompa Mesin / Machine Pump unit 1,216 810 1,316 187 1,047,500,00 Hidran Umum / Public Standpipe unit 4 5 15 65,000,00 Perlindungan Mata Air / Catchment unit 2 2 1 1 61,000,00 Sistem Penjernihan / Purification Syste unit 1 2 2 2 40,000,00 Penampungan Air Hujan / Storage Tank unit 1 2 2 2 8 141,000,00 MCK / Public Toilet and Landry unit 44 87 89 69 6,253,800,00 EKTOR PRODUKTIF / PRODUCTIVE SECTORS Pertanian / Segela Jenis Sawah / All Fields ha 1,969 1,807 9,319 1,295 100,811,157,14 Segriculture Segala Jenis Sawah / All Fields ha 11,789 7,716 11,912 72 25,376,071,03 Endougan / Weir unit 2 1 5 1 80,000,00 Bangunan Irigasi / Irrigation Gates unit 12 1 5 1 80,000,00 Bangunan Irigasi / Irrigation Gates unit 12 7 12 8 225,000,00 Bangunan Irigasi / Rice Winnowing Facility unit 41 78 78 8 8,610,000,00 Pengilingan Padi / Rice Winnowing Facility unit 41 78 78 8 8,610,000,00 Errikanan / Tempat Pelelangan Ikan / Fish Market unit 2 5 7 1 1,710,000,00 Errikanan / Tempat Pelelangan Ikan / Fish Market unit 7 6 5 7 2,745,000,00 Errikanan / Tempat Pelelangan Ikan / Fish Market unit 45 42 80 2 8,140,000,00 Errikanan / Tempat Pelelangan Ikan / Fish Market unit 45 42 80 2 8,140,000,00 Errikanan / Tempat Pelelangan Ikan / Fish Market unit 7 6 5 7 2,745,000,00 Errikanan / Tempat Pelelangan Ikan / Fish Market unit 45 42 80 2 8,140,000,00 Errikanan / Tempat Pelelangan Ikan / Fish Market unit 45 42 80 2 8,140,000,00 Errikanan / Tempat Pelelangan Ikan / Fis	Cumbar Enarai /	<u> </u>				5	3	
Sumur Gali / Well	•	·				16 400	7 225	
Sumur Pompa Tangan / Hand Pump Unit 107 29 205 4 91,000,000								
Sumur Pompa Mesin / Machine Pump		· · · · · · · · · · · · · · · · · · ·						
Hidran Umum / Public Standpipe	· ·							
Perpipaan / Piping	and Samilation						187	
Perlindungan Mata Air / Catchment							4.010	
Sistem Penjernihan / Purification Syste unit 1 2 2 2 40,000,00 Penampungan Air Hujan / Storage Tank unit 1 2 2 8 141,000,00 MCK / Public Toilet and Landry unit 44 87 89 69 6,253,800,00 EKTOR PRODUKTIF / PRODUCTIVE SECTORS Pertanian / Segela Jenis Sawah / All Fields ha 1,969 1,807 9,319 1,295 100,811,157,10 Pagriculture Segela Jenis Kebun / All Plantations ha 11,789 7,716 11,912 72 25,376,071,00 Tambak / Fish Ponds ha 134 170 1,085 113 18,405,551,50 Bendungan / Weir unit 2 1 5 1 80,000,00 Bangunan Irigasi / Irrigation Gates unit 12 7 12 8 225,000,00 Saluran / Irrigation Channels meter 36,365 52,649 137,875 20,196 18,681,205,00 Penggilingan Padi / Rice Winnowing Facility unit 41 78 78 8 8,610,000,00 Gudang Beras / Rice Warehouse unit 23 35 6 825,000,00 Perikanan / Tempat Pelelangan Ikan / Fish Market unit 2 5 7 1 1,710,000,00 Perikanan / Pasar Desa / Village Market unit 7 6 5 7 2,745,000,00 Isishery Tambatan / Permanent Jetty unit 405 428 102 41 22,360,000,00 Isisha / Bengkel / Garage unit 85 92 80 2 8,140,000,00 Isisha / Bengkel / Garage unit 85 92 80 2 8,140,000,00 Isisha / Bengkel / Garage unit 85 92 80 2 8,140,000,00 Isisha / Bengkel / Garage unit 85 92 80 3 8,3780,000,00 Isisha / Bengkel / Garage unit 24 42 30 18 3,780,000,00 Isisha / Bengkel / Garage unit 24 42 30 38 3,780,000,00 Isisha / Bengkel / Garage unit 24 42 30 38 3,780,000,00 Isisha / Bengkel / Garage unit 24 42 30 38 3,780,000,00 Isisha / Bengkel / Garage unit 24 42 30 38 3,780,000,00 Isisha / Bengkel / Garage unit 24 42 30 38 3,780,000,00				5,190	-		-	
Penampungan Air Hujan / Storage Tank							1	
MCK / Public Toilet and Landry Unit 44 87 89 69 6,253,800,00								
EKTOR PRODUCTIVE SECTORS ertanian / Segela Jenis Sawah / All Fields ha 1,969 1,807 9,319 1,295 100,811,157,16 griculture Segala Jenis Kebun / All Plantations ha 11,789 7,716 11,912 72 25,376,071,03		, , , , ,						
Segela Jenis Sawah / All Fields		<u> </u>	unit	44	87	89	69	6,253,800,000
Segala Jenis Kebun / All Plantations ha 11,789 7,716 11,912 72 25,376,071,03 Tambak / Fish Ponds ha 134 170 1,085 113 18,405,551,50 Bendungan / Weir unit 2 1 5 1 80,000,00 Bangunan Irigasi / Irrigation Gates unit 12 7 12 8 225,000,00 Saluran / Irrigation Channels meter 36,365 52,649 137,875 20,196 18,681,205,00 Penggilingan Padi / Rice Winnowing Facility unit 41 78 78 8 8,610,000,00 Gudang Beras / Rice Warehouse unit 23 35 6 825,000,00 Perikanan / Tempat Pelelangan Ikan / Fish Market unit 2 5 7 1 1,710,000,00 Perdagangan / Pasar Desa / Village Market unit 7 6 5 7 2,745,000,00 Perdagangan / Pasar Desa / Village Market unit 405 428 102 41 22,360,000,00 Pasar Desa / Grage unit 85 92 80 2 8,140,000,00 Pomition Remains Re		•						
Tambak / Fish Ponds	•							
Bendungan / Weir Unit 2 1 5 1 80,000,000	Agriculture			,	•	•		-,,- ,
Bangunan Irigasi / Irrigation Gates unit 12 7 12 8 225,000,000 Saluran / Irrigation Channels meter 36,365 52,649 137,875 20,196 18,681,205,000 Penggilingan Padi / Rice Winnowing Facility unit 41 78 78 8 8,610,000,000 Gudang Beras / Rice Warehouse unit 23 35 6 825,000,000 Perikanan / Tempat Pelelangan Ikan / Fish Market unit 2 5 7 1 1,710,000,000 Irrigation Channels unit 1 2 6 12 1,110,000,000 Perikanan / Tempat Pelelangan Ikan / Fish Market unit 1 2 6 12 1,110,000,000 Irrigation Channels unit 1 2 6 12 1,110,000,000 Perikanan / Tempat Pelelangan Ikan / Fish Market unit 1 2 6 12 1,110,000,000 Perikanan / Tempat Pelelangan Ikan / Fish Market unit 1 2 6 12 1,110,000,000 Perikanan / Tempat Pelelangan Ikan / Fish Market unit 1 2 6 12 1,110,000,000 Perikanan / Tempat Pelelangan Ikan / Fish Market unit 1 2 6 12 1,110,000,000 Perikanan / Tempat Pelelangan Ikan / Fish Market unit 1 2 6 12 1,110,000,000 Perikanan / Tempat Pelelangan Ikan / Fish Market unit 1 2 6 12 1,110,000,000 Perikanan / Tempat Pelelangan Ikan / Fish Market unit 1 2 6 12 1,110,000,000 Perikanan / Tempat Pelelangan Ikan / Fish Market unit 1 2 6 12 1,110,000,000 Perikanan / Tempat Pelelangan Ikan / Fish Market unit 1 2 6 12 1,110,000,000 Perikanan / Tempat Pelelangan Ikan / Fish Market unit 1 2 6 12 1,110,000,000 Perikanan / Tempat Pelelangan Ikan / Fish Market unit 1 2 6 12 1,110,000,000 Perikanan / Tempat Pelelangan Ikan / Fish Market unit 1 2 6 12 1,110,000,000 Perikanan / Tempat Pelelangan Ikan / Fish Market unit 1 2 6 12 1,110,000,000 Perikanan / Tempat Pelelangan Ikan / Fish Market unit 1 2 6 12 1,110,000,000 Perikanan / Tempat Pelelangan Ikan / Fish Market unit 1 2 6 12 1,110,000,000 Pe								
Saluran / Irrigation Channels meter 36,365 52,649 137,875 20,196 18,681,205,000 Penggilingan Padi / Rice Winnowing Facility unit 41 78 78 8 8,610,000,000 Gudang Beras / Rice Warehouse unit 23 35 6 825,000,000 Perikanan / Tempat Pelelangan Ikan / Fish Market unit 2 5 7 1 1,710,000,000 Isishery Tambatan / Permanent Jetty unit 1 2 6 12 1,110,000,000 Perdagangan / Pasar Desa / Village Market unit 7 6 5 7 2,745,000,000 Perdagangan / Bengkel / Garage unit 405 428 102 41 22,360,000,000 Perdagangan / Bengkel / Garage unit 85 92 80 2 8,140,000,000 Perdagangan / Bengkel / Garage unit 24 42 30 18 3,780,000,000 Perdagangan / Bengkel / Garage unit 24 42 30 3 3,780,000,000 Perdagangan / Bengkel / Garage unit 24 42 30 3 3,780,000,000 Perdagangan / Bengkel / Garage unit 24 42 30 3 3,780,000,000 Perdagangan / Bengkel / Garage unit 24 42 30 3 3,780,000,000 Perdagangan / Bengkel / Garage unit 24 42 30 3 3,780,000,000 Perdagangan / Bengkel / Garage unit 24 42 30 3 3,780,000,000 Perdagangan / Bengkel / Garage unit 24 42 30 3 3,780,000,000 Perdagangan / Bengkel / Garage unit 24 42 30 3 3,780,000,000 Perdagangan / Bengkel / Garage unit 24 42 30 3 3,780,000,000 Perdagangan / Bengkel / Garage unit 24 42 30 3 3,780,000,000 Perdagangan / Bengkel / Garage unit 24 42 30 3 3,780,000,000 Perdagangan / Bengkel / Garage unit 24 42 30 3 3,780,000,000 Perdagangan / Bengkel / Garage unit 24 42 30 3 3,780,000,000 Perdagangan / Bengkel / Garage unit 24 42 30 3 3,780,000,000 Perdagangan / Bengkel / Garage unit 24 42 30 3 3,780,000,000 Perdagangan / Bengkel / Garage unit 24 42 30 3 3,780,000,000 Perdagangan / Bengkel / Garage unit 24 42 30 3 3,								
Penggilingan Padi / Rice Winnowing Facility Unit 41 78 78 8 8,610,000,000 Gudang Beras / Rice Warehouse Unit 23 35 6 825,000,000 Perikanan / Tempat Pelelangan Ikan / Fish Market Unit 2 5 7 1 1,710,000,000 Interpretation / Tempat Pelelangan Ikan / Fish Market Unit 1 2 6 12 1,110,000,000 Interpretation / Pasar Desa / Village Market Unit 7 6 5 7 2,745,000,000 Interpretation / Bengkel / Garage Unit 405 428 102 41 22,360,000,000 Interpretation / Interpretation / Interpretation Unit 24 42 30 18 3,780,000,000 Interpretation / Balai/Kantor Desa / Village Office Unit 24 42 30 18 3,780,000,000 Interpretation / I			unit					225,000,000
Gudang Beras / Rice Warehouse Unit 23 35 6 825,000,000 Perikanan / Tempat Pelelangan Ikan / Fish Market Unit 2 5 7 1 1,710,000,000 Ishery Tambatan / Permanent Jetty Unit 1 2 6 12 1,110,000,000 Perdagangan / Pasar Desa / Village Market Unit 7 6 5 7 2,745,000,000 Perdagangan / Toko / Shop Unit 405 428 102 41 22,360,000,000 Isaha / Bengkel / Garage Unit 85 92 80 2 8,140,000,000 Interprises Unit 24 42 30 18 3,780,000,000 Isaha / Balai/Kantor Desa / Village Office Unit 24 42 30 18 3,780,000,000 Isaha / Balai/Kantor Desa / Village Office Unit 24 42 30 30 30 30 30 30 30 3								18,681,205,000
Tempat Pelelangan Ikan / Fish Market unit 2 5 7 1 1,710,000,00 ishery Tambatan / Permanent Jetty unit 1 2 6 12 1,110,000,00 ishery Pasar Desa / Village Market unit 7 6 5 7 2,745,000,00 isher dagangan / Pasar Desa / Village Market unit 7 6 5 7 2,745,000,00 isher dagangan / Pasar Desa / Village Market unit 405 428 102 41 22,360,000,00 ishah / Bengkel / Garage unit 85 92 80 2 8,140,000,00 isher prises ***IDMINISTRASI PEMERINTAH / GOVERNMENT ADMINISTRATION** Balai/Kantor Desa / Village Office unit 24 42 30 18 3,780,000,00 isher prises 1,710,000,00 isher pri			unit	41	78	78	8	8,610,000,000
ishery Tambatan / Permanent Jetty unit 1 2 6 12 1,110,000,000 derdagangan / Pasar Desa / Village Market unit 7 6 5 7 2,745,000,000 Grade Toko / Shop unit 405 428 102 41 22,360,000,000 Josaha / Bengkel / Garage unit 85 92 80 2 8,140,000,000 Interprises IDMINISTRASI PEMERINTAH / GOVERNMENT ADMINISTRATION Balai/Kantor Desa / Village Office unit 24 42 30 18 3,780,000,000		Gudang Beras / Rice Warehouse	unit	23	35	6		825,000,000
Perdagangan / Pasar Desa / Village Market unit 7 6 5 7 2,745,000,00 (17 ade Toko / Shop unit 405 428 102 41 22,360,000,00 (18 aha / Bengkel / Garage unit 85 92 80 2 8,140,000,00 (18 aha / Bengkel / Garage unit 85 92 80 2 8,140,000,00 (18 aha / Bengkel / Garage unit 85 92 80 1 8,140,000,00 (18 aha / Bengkel / Garage unit 85 92 80 1 8,140,000,00 (18 aha / Bengkel / Garage unit 85 92 80 1 8,140,000,00 (18 aha / Bengkel / Garage unit 85 92 80 1 8,140,000,00 (18 aha / Bengkel / Garage unit 85 92 80 1 8,140,000,00 (18 aha / Bengkel / Garage unit 85 92 80 1 8,140,000,00 (18 aha / Bengkel / Garage unit 85 92 80 1 8,140,000,00 (18 aha / Bengkel / Garage unit 85 92 80 1 8,140,000,00 (18 aha / Bengkel / Garage unit 85 92 80 1 8,140,000,00 (18 aha / Bengkel / Garage unit 85 92 80 1 8,140,000,00 (18 aha / Bengkel / Garage unit 85 92 80 1 8,140,000,00 (18 aha / Bengkel / Garage unit 85 92 80 1 8,140,000,00 (18 aha / Bengkel / Garage unit 85 92 80 1 8,140,000,00 (18 aha / Bengkel / Garage unit 85 92 80 1 8,140,000,00 (18 aha / Bengkel / Garage unit 85 92 80 1 8,140,000,00 (18 aha / Bengkel / Garage unit 85 92 80 1 8,140,000,00 (18 aha / Bengkel / Garage unit 85 92 80 1 8,140,000,00 (18 aha / Bengkel / Garage unit 85 92 80 1 8,140,000,00 (18 aha / Bengkel / Garage unit 85 92 80 1 8,140,000,00 (18 aha / Bengkel / Bengkel / Garage unit 85 92 80 1 8,140,000,00 (18 aha / Bengkel / Bengkel / Bengkel / Garage unit 85 92 80 1 8,140,000,00 (18 aha / Bengkel / Bengke	Perikanan /	Tempat Pelelangan Ikan / Fish Market	unit	2	5	7	1	1,710,000,000
Toko / Shop unit 405 428 102 41 22,360,000,000 Isaha / Bengkel / Garage unit 85 92 80 2 8,140,000,000 Interprises IDMINISTRASI PEMERINTAH / GOVERNMENT ADMINISTRATION Balai/Kantor Desa / Village Office unit 24 42 30 18 3,780,000,000	Fishery	Tambatan / Permanent Jetty	unit	1	2	6	12	1,110,000,000
Usaha / Bengkel / Garage unit 85 92 80 2 8,140,000,000 anterprises INDMINISTRASI PEMERINTAH / GOVERNMENT ADMINISTRATION Balai/Kantor Desa / Village Office unit 24 42 30 18 3,780,000,000	Perdagangan /	Pasar Desa / Village Market	unit	7	6	5	7	2,745,000,000
Interprises ADMINISTRASI PEMERINTAH / GOVERNMENT ADMINISTRATION Balai/Kantor Desa / Village Office unit 24 42 30 18 3,780,000,00	Trade	Toko / Shop	unit	405	428	102	41	22,360,000,000
Balai/Kantor Desa / Village Office unit 24 42 30 18 3,780,000,00	Usaha / Enterprises	•	unit	85	92	80	2	8,140,000,000
	ADMINISTRASI PEN	•						
		Balai/Kantor Desa / Village Office	unit	24			18	3,780,000,000

Jenis / Category	Tipe / Type	Unit	No	Light Loss	Heavy Loses	Replace Losses	Total (Rp.)
SEKTOR SOSIAL / SO	CIAL SECTORS						
Pendidikan /	Membersihkan failitas Segala Tingkat Sekolah /	unit	51	71	70	14	12,650,000
Education	Clean up facilities of All Schools						
	Membersihkan fasilitas TK /	unit	31	33	15	5	3,900,000
	Clean up facilities of Kindergarten						
Kesehatan / Health	Membersihkan fasilitas Pustu /	unit	18	15	10	4	2,350,000
	Clean up facilities of Pustu						
	Pengobatan Darurat bagi yang terluka /	Injured		165	3,456		1,744,500,000
	Emergency Medical Assistance for the Injured	Person					
PRASARANA DAN PE	MUKIMAN / INFRASTRUCTURE AND HOUSING						
Pemukiman /	Pemindahan Puing / Debris Removal	unit	17,832	14,151	9,392	3,093	2,110,700,000
Housing	Tempat Tinggal Sementara / T-shelter	unit	17,832	14,151	9,392	3,093	14,982,000,000
	Perabotan dan Alat Rumah Tangga /	unit	17,832	14,151	9,392	3,093	47,786,400,000
	Furniture and HH Appliances						
	Persediaan Pakaian / Clothing Stock	unit	17,832	14,151	9,392	3,093	4,594,560,000
	Persediaan Makanan / Food Stock	unit	17,832	14,151	9,392	3,093	1,491,616,000
SEKTOR PRODUKTIF	/ PRODUCTIVE SECTORS						
Perdagangan /	Pasar Desa / Village Market	unit	7	6	5	7	135,000,000
Trade	Toko / Shop	unit	405	428	102	41	243,000,000
Usaha /	Bengkel / Garage	unit	85	92	80	2	179,200,000
Enterprises							
				USD 8,	,142,875	Rp	. 73,285,876,000

KAJIAN BANJIR ACEH PROGRAM PEMBANGUNAN KECAMATAN (PPK) 2007 LAPORAN RINGKASAN KABUPATEN ACEH FLOOD ASSESSMENT
KECAMATAN DEVELOPMENT PROGRAM (KDP) 2007
DISTRICT SUMMARY REPORT

KABUPATEN / DISTRICT: NAD - ACEH TENGAH

STATISTIC OVERALL PROFILE / STATISTIK PROFIL KESELURUHAN

Populasi / Population: 1143

Kepala Keluarga (KK) / Households: 258
Usia Produktif / Productive Age: 768

Pekerjaan / Occupation: 413

Petani / Farmers: 383 Paramedis / Paramedics:
Nelayan / Fishermann: Tentara/Polisi / Army/Police:
Pedagang / Traders: 4 Usahawan / Entreprenours:
PNS / Civil Servants: 5 Buruh / Labourers: 10

Guru / Teachers: 10 Lain / Other:

Keluarga Misking / Poor Households: 85

Catatan: Data di bagian in berasal dari Kajian PPK terhadap Dampak Konflik dan Tsunami (2006), BPS population data (PODES 2005), dan dari program BRA-PPK.

Note: The data in this section is from the KDP Conflict and Tsunami Damage Assessment (2006), BPS population data (PODES 2005) and village population data from the BRA-KDP program.

LOKASI YANG TERIMBAS / MENINGGAL / LUKA / HILANG AFFECTED LOCATIONS / DEATHS / INJURIES / MISSING

Kabupatenn/District	Kecamatan/Sub- district	Jumlah Korban Meninggal/ Deaths	Jumlah Korban Luka Berat/ Heavy Injuries	Jumlah Korban Luka Ringan/ Light Injuries	Jumlah Korban Hilang/ Missing
NAD - Aceh Tengah	LINGE		6		

Jenis / Category	Tipe / Type	Unit	Not Damage	Light Damage	Heavy Damage	Needs to be replaced	Total (Rp.)
SEKTOR SOSIAL / S	OCIAL SECTORS						
Pendidikan /	Segala Tingkat Sekolah / All Schools	unit	2	2			90,000,000
Education	TK / Kindergarten	unit					(
Kesehatan /	Puskesmas Pembantu / Health Post	unit	2	2			67,200,000
Health	Posyandu / Post-Natal Clinic	unit					(
Masyarakat,	Tempat Ibadah / Prayer Room	unit	2				(
Budaya, Agama /	Meunasah/Mesjid / Mosque	unit		6	1	1	450,000,000
Community, Culture, Religion							
PRASARANA DAN F	PEMUKIMAN / INFRASTRUCTURE AND HOUSING						
Pemukiman /	Rumah Penduduk / Houses	unit	181	43	20	4	1,197,800,000
Housing	Barak / Barracks	KK					(
Transportasi dan	Jalan Kabupaten / District Roads	meter	47,000	7,200	1,800		1,170,000,000
Komunikasi /	Poros Desa (diperkeras) / Villlage Road (Paved)	meter	4,500	1,000			75,000,000
	Transportation and Poros Desa (tanah) / Village Road (Dirt)	meter	3,000				
	Poros Dusun (diperkeras) /Hamlet Road (Paved)	meter	500			700	78,750,000
	Poros Dusun (tanah) / Hamlet Road (Dirt)	meter	500		1,500		63,000,000
	Lingkungan (diperkeras) / Footpath (paved)	meter					, ,
	Lingkungan (tanah) / Footpath (dirt)	meter		50			1,100,000
	Jalan Kebun (diperkeras) / Orchard Road (paved)	meter					(
	Jalan Kebun (tanah) / Orchard Road (dirt)	meter	4,500	1,104	547	1,500	133,782,000
	Gorong-Gorong / Calvert	unit	,	, -		,	(
	Tembok Penahan Tanah / Retaining Wall	meter					(
	Jembatan Beton / Concrete Bridge	unit					(
-	Jembatan Gelagar Besi / Steel Bridge	unit					(
	Jembatan Gelagar Kayu / Wood Bridge	unit			1	4	249,600,000
	Jembatan Gantung / Suspension Bridge	unit			2	2	1,080,000,000
Sumber Energi /	Sumber Listrik / Electicity Source	unit					(
Energy	Jaringan Listrik / Electricity Network	meter	7,800	1,500	6,200		61,425,000
Air Bersih dan	Sumur Gali / Well	unit	7,000	1,500	0,200		(1,423,000
Sanitasi / Water	Sumur Pompa Tangan / Hand Pump	unit					(
and Sanitation	Sumur Pompa Mesin / Machine Pump	unit					
and Janitation	Hidran Umum / Public Standpipe				6		24,000,000
		unit meter			3,000	300	135,000,000
	Perpipaan / Piping Perlindungan Mata Air / Catchment				3,000	300	
		unit					(
	Sistem Penjernihan / Purification Syste	unit					(
	Penampungan Air Hujan / Storage Tank	unit	1				4 200 000
	MCK / Public Toilet and Landry	unit	1				4,200,000
	F / PRODUCTIVE SECTORS						
Pertanian /	Segela Jenis Sawah / All Fields	ha	141	28	52	11	669,591,495
Agriculture	Segala Jenis Kebun / All Plantations	ha	342	23	17	2	50,611,034
	Tambak / Fish Ponds	ha			1		16,660,000
	Bendungan / Weir	unit				8	200,000,000
	Bangunan Irigasi / Irrigation Gates	unit		1			3,000,000
	Saluran / Irrigation Channels	meter	4,200	1,500	3,000	4,500	930,000,000
	Penggilingan Padi / Rice Winnowing Facility	unit	3	1			20,000,000
	Gudang Beras / Rice Warehouse	unit					(
Perikanan /	Tempat Pelelangan Ikan / Fish Market	unit					(
Fishery	Tambatan / Permanent Jetty	unit					(
Perdagangan /	Pasar Desa / Village Market	unit	1				(
Trade	Toko / Shop	unit					(
Usaha / Enterprises	Bengkel / Garage	unit					(
ADMINISTRASI PEN	MERINTAH / GOVERNMENT ADMINISTRATION						
	Balai/Kantor Desa / Village Office	unit					(
	, ,						`
				US	D 752,302	Rp	. 6,770,719,52

Jenis / Category	Tipe / Type	Unit	No	Light Loss	Heavy Loses	Replace Losses	Total (Rp.)
SEKTOR SOSIAL / S	SOCIAL SECTORS						
Pendidikan /	Membersihkan failitas Segala Tingkat Sekolah /	unit	2	2			100,000
Education	Clean up facilities of All Schools						
	Membersihkan fasilitas TK /	unit					0
	Clean up facilities of Kindergarten						
Kesehatan /	Membersihkan fasilitas Pustu /	unit	2	2			100,000
Health	Clean up facilities of Pustu						
	Pengobatan Darurat bagi yang terluka /	Injured			6		3,000,000
	Emergency Medical Assistance for the Injured	Person					
PRASARANA DAN	PEMUKIMAN / INFRASTRUCTURE AND HOUSING						
Pemukiman /	Pemindahan Puing / Debris Removal	unit	181	43	20	4	4,750,000
Housing	Tempat Tinggal Sementara / T-shelter	unit	181	43	20	4	28,800,000
	Perabotan dan Alat Rumah Tangga /	unit	181	43	20	4	101,700,000
	Furniture and HH Appliances						
	Persediaan Pakaian / Clothing Stock	unit	181	43	20	4	9,780,000
	Persediaan Makanan / Food Stock	unit	181	43	20	4	3,752,000
SEKTOR PRODUKT	IF / PRODUCTIVE SECTORS						
Perdagangan /	Pasar Desa / Village Market	unit	1				0
Trade	Toko / Shop	unit					0
Usaha / Enterprises	Bengkel / Garage	unit					0
•				USI	16,887	Rp	. 151,982,000

KAJIAN BANJIR ACEH PROGRAM PEMBANGUNAN KECAMATAN (PPK) 2007 LAPORAN RINGKASAN KABUPATEN ACEH FLOOD ASSESSMENT
KECAMATAN DEVELOPMENT PROGRAM (KDP) 2007
DISTRICT SUMMARY REPORT

KABUPATEN / DISTRICT: NAD - ACEH TIMUR

STATISTIC OVERALL PROFILE / STATISTIK PROFIL KESELURUHAN

Populasi / Population: 42120

Kepala Keluarga (KK) / Households: 9238 Usia Produktif / Productive Age: 16135

Pekerjaan / Occupation: 20693

Petani / Farmers: 14033 Paramedis / Paramedics: 132
Nelayan / Fishermann: 234 Tentara/Polisi / Army/Police: 10
Pedagang / Traders: 1157 Usahawan / Entreprenours: 108
PNS / Civil Servants: 235 Buruh / Labourers: 4068

Guru / Teachers: 255 Lain / Other: 461

Keluarga Misking / Poor Households: 1975

Catatan: Data di bagian in berasal dari Kajian PPK terhadap Dampak Konflik dan Tsunami (2006), BPS population data

(PODES 2005), dan dari program BRA-PPK.

Note: The data in this section is from the KDP Conflict and Tsunami Damage Assessment (2006), BPS population data

(PODES 2005) and village population data from the BRA-KDP program.

LOKASI YANG TERIMBAS / MENINGGAL / LUKA / HILANG AFFECTED LOCATIONS / DEATHS / INJURIES / MISSING

Kabupatenn/District	Kecamatan/Sub- district	Jumlah Korban Meninggal/ Deaths	Jumlah Korban Luka Berat/ Heavy Injuries	Jumlah Korban Luka Ringan/ Light Injuries	Jumlah Korban Hilang/ Missing
NAD - Aceh Timur	BIREM BAYEUN				
NAD - Aceh Timur	JULOK		5		
NAD - Aceh Timur	PANTE BIDARI	7	160	39	
NAD - Aceh Timur	SERBAJADI		90		
NAD - Aceh Timur	SIMPANG JERNIH			5	3
NAD - Aceh Timur	SIMPANG ULIM		130	1	

Jenis / Category	Tipe / Type	Unit	Not Damage	Light Damage	Heavy Damage	Needs to be replaced	Total (Rp.)
SEKTOR SOSIAL / Se	OCIAL SECTORS					•	
Pendidikan /	Segala Tingkat Sekolah / All Schools	unit	5	8	8	5	2,925,000,000
Education	TK / Kindergarten	unit	2				0
Kesehatan /	Puskesmas Pembantu / Health Post	unit	1	5	4	3	1,008,000,000
Health	Posyandu / Post-Natal Clinic	unit	5	5	11	3	503,500,000
Masyarakat,	Tempat Ibadah / Prayer Room	unit 	5	8	10	5	4,380,000,000
Budaya, Agama / Community, Culture, Religion	Meunasah/Mesjid / Mosque	unit	10	9	7	7	2,160,000,000
PRASARANA DAN F	PEMUKIMAN / INFRASTRUCTURE AND HOUSING						
Pemukiman /	Rumah Penduduk / Houses	unit	2,156	1,548	1,214	598	80,273,800,000
Housing	Barak / Barracks	KK		1	12		29,760,000
Transportasi dan	Jalan Kabupaten / District Roads	meter	5,000	14,000	27,600	800	8,700,000,000
Komunikasi /	Poros Desa (diperkeras) / Villlage Road (Paved)	meter	36,780	61,300	52,645	560	10,990,500,000
Transportation	Poros Desa (tanah) / Village Road (Dirt)	meter	1,900	23,680	34,300	5,800	2,861,600,000
and	Poros Dusun (diperkeras) /Hamlet Road (Paved)	meter	7,700	15,710	39,000		4,881,875,000
	Poros Dusun (tanah) / Hamlet Road (Dirt)	meter	2,750	8,925	25,640	2,280	1,440,975,000
	Lingkungan (diperkeras) / Footpath (paved)	meter			4,500		360,000,000
	Lingkungan (tanah) / Footpath (dirt)	meter	4,050	4,000	9,600		414,400,000
	Jalan Kebun (diperkeras) / Orchard Road (paved)	meter	1,000	10,190	13,750	1,500	2,180,625,000
	Jalan Kebun (tanah) / Orchard Road (dirt)	meter	4,912	13,003	16,744	1,502	1,135,437,000
	Gorong-Gorong / Calvert	unit	115	37	106	53	915,600,000
	Tembok Penahan Tanah / Retaining Wall	meter	1,001	2,300	3,610	200	601,200,000
	Jembatan Beton / Concrete Bridge	unit	12	7	10	2	1,312,000,000
	Jembatan Gelagar Besi / Steel Bridge	unit	1		4		260,000,000
	Jembatan Gelagar Kayu / Wood Bridge	unit 		20	43	46	4,360,800,000
C	Jembatan Gantung / Suspension Bridge	unit			1	2	840,000,000
Sumber Energi /	Sumber Listrik / Electricity Source	unit	0.000	1 (22	7 2 4 2	12 200	271 009 000
Energy Air Bersih dan	Jaringan Listrik / Electricity Network Sumur Gali / Well	meter unit	8,000 1,294	1,632 1,153	7,242 404	13,380 24	271,998,000 1,542,750,000
Sanitasi / Water	Sumur Pompa Tangan / Hand Pump	unit	32	5	7	24	5,400,000
and Sanitation	Sumur Pompa Mesin / Machine Pump	unit	7	20	13		11,500,000
and Samtation	Hidran Umum / Public Standpipe	unit	1	20	2	8	48,000,000
	Perpipaan / Piping	meter	7,600	100	345	8,138	422,700,000
	Perlindungan Mata Air / Catchment	unit	7,000	100	1	0,130	20,000,000
	Sistem Penjernihan / Purification Syste	unit					0
	Penampungan Air Hujan / Storage Tank	unit		1	2	4	78,000,000
	MCK / Public Toilet and Landry	unit	9	25	23	45	2,767,800,000
SEKTOR PRODUKTI	F / PRODUCTIVE SECTORS						
Pertanian /	Segela Jenis Sawah / All Fields	ha	3,740	958	626	572	14,674,994,778
Agriculture	Segala Jenis Kebun / All Plantations	ha	4,350	1,495	5,199	113	10,093,248,000
	Tambak / Fish Ponds	ha	1,045	15			1,120,385,000
	Bendungan / Weir	unit		2	2	1	55,000,000
	Bangunan Irigasi / Irrigation Gates	unit			2	1	29,000,000
	Saluran / Irrigation Channels	meter	7,038	12,850	12,642	1,800	2,067,450,000
	Penggilingan Padi / Rice Winnowing Facility	unit	9	1	9	3	1,145,000,000
	Gudang Beras / Rice Warehouse	unit	1	1			15,000,000
Perikanan /	Tempat Pelelangan Ikan / Fish Market	unit		1			45,000,000
Fishery	Tambatan / Permanent Jetty	unit			3		90,000,000
Perdagangan /	Pasar Desa / Village Market	unit		2	2	1	675,000,000
Trade	Toko / Shop	unit	44	25	59	27	8,975,000,000
Usaha / Enterprises	Bengkel / Garage	unit	16	3			60,000,000
ADMINISTRASI PEN	MERINTAH / GOVERNMENT ADMINISTRATION		_				4.0== =====
	Balai/Kantor Desa / Village Office	unit	5	10	10	4	1,050,000,000
				USD1	9,755,366	Rp	. 177,798,297,778

Jenis / Category	Tipe / Type	Unit	No	Light Loss	Heavy Loses	Replace Losses	Total (Rp.)
SEKTOR SOSIAL / S	OCIAL SECTORS						
Pendidikan /	Membersihkan failitas Segala Tingkat Sekolah /	unit	5	8	8	5	1,950,000
Education	Clean up facilities of All Schools						
	Membersihkan fasilitas TK /	unit	2				0
	Clean up facilities of Kindergarten						
Kesehatan /	Membersihkan fasilitas Pustu /	unit	1	5	4	3	1,100,000
Health	Clean up facilities of Pustu						
	Pengobatan Darurat bagi yang terluka /	Injured		45	385		197,000,000
	Emergency Medical Assistance for the Injured	Person					
PRASARANA DAN I	PEMUKIMAN / INFRASTRUCTURE AND HOUSING						
Pemukiman /	Pemindahan Puing / Debris Removal	unit	2,156	1,548	1,214	598	288,500,000
Housing	Tempat Tinggal Sementara / T-shelter	unit	2,156	1,548	1,214	598	2,174,400,000
	Perabotan dan Alat Rumah Tangga / Furniture	unit	2,156	1,548	1,214	598	6,815,700,000
	and HH Appliances		0.456	4.540	4.04.4	=00	505 400 000
	Persediaan Pakaian / Clothing Stock	unit	2,156	1,548	1,214	598	636,480,000
	Persediaan Makanan / Food Stock	unit	2,156	1,548	1,214	598	188,160,000
SEKTOR PRODUKTI	IF / PRODUCTIVE SECTORS						
Perdagangan /	Pasar Desa / Village Market	unit		2	2	1	36,000,000
Trade	Toko / Shop	unit	44	25	59	27	122,900,000
Usaha /	Bengkel / Garage	unit	16	3			2,100,000
Enterprises							
				USD 1	,162,699	Rp.	10,464,290,000

KAJIAN BANJIR ACEH PROGRAM PEMBANGUNAN KECAMATAN (PPK) 2007 LAPORAN RINGKASAN KABUPATEN ACEH FLOOD ASSESSMENT
KECAMATAN DEVELOPMENT PROGRAM (KDP) 2007
DISTRICT SUMMARY REPORT

KABUPATEN / DISTRICT: NAD - ACEH UTARA

STATISTIC OVERALL PROFILE / STATISTIK PROFIL KESELURUHAN

Populasi / Population: 187481

Kepala Keluarga (KK) / Households: 43777 Usia Produktif / Productive Age: 94457

Pekerjaan / Occupation: 82369

Petani / Farmers: 54415 Paramedis / Paramedics: 537
Nelayan / Fishermann: 1558 Tentara/Polisi / Army/Police: 393
Pedagang / Traders: 4145 Usahawan / Entreprenours: 1111
PNS / Civil Servants: 1306 Buruh / Labourers: 14073

Guru / Teachers: 2064 Lain / Other: 2767

Keluarga Misking / Poor Households: 13855

Catatan: Data di bagian in berasal dari Kajian PPK terhadap Dampak Konflik dan Tsunami (2006), BPS population data (PODES 2005), dan dari program BRA-PPK.

Note: The data in this section is from the KDP Conflict and Tsunami Damage Assessment (2006), BPS population data (PODES 2005) and village population data from the BRA-KDP program.

LOKASI YANG TERIMBAS / MENINGGAL / LUKA / HILANG AFFECTED LOCATIONS / DEATHS / INJURIES / MISSING

Kabupatenn/District	Kecamatan/Sub-district	Jumlah Korban Meninggal/ Deaths	Jumlah Korban Luka Berat/ Heavy Injuries	Jumlah Korban Luka Ringan/ Light Injuries	Jumlah Korban Hilang/ Missing
NAD - Aceh Utara	BAKTIYA BARAT		-	•	
NAD - Aceh Utara	COT GIREK				
NAD - Aceh Utara	DEWANTARA				
NAD - Aceh Utara	KUTA MAKMUR		21		
NAD - Aceh Utara	LANGKAHAN		232	87	12
NAD - Aceh Utara	LHOK SUKON	3	2220	51	1
NAD - Aceh Utara	MATANGKULI	1			
NAD - Aceh Utara	MEURAH MULIA		25		
NAD - Aceh Utara	MUARA BATU		73		
NAD - Aceh Utara	NIBONG		6		
NAD - Aceh Utara	NISAM				
NAD - Aceh Utara	PAYA BAKONG	1	40		
NAD - Aceh Utara	SAMUDERA		46		
NAD - Aceh Utara	SAWANG (A.UTARA)		60	9	
NAD - Aceh Utara	SIMPANG KERAMAT				
NAD - Aceh Utara	SYAMTALIRA ARON				
NAD - Aceh Utara	SYAMTALIRA BAYU				
NAD - Aceh Utara	TANAH JAMBO AYE				
NAD - Aceh Utara	TANAH LUAS		243	24	
NAD - Aceh Utara	TANAH PASIR		817	10	

Jenis / Category	Tipe / Type	Unit	Not Damage	Light Damage	Heavy Damage	Needs to be replaced	Total (Rp.)
SEKTOR SOSIAL / SO							
Pendidikan /	Segala Tingkat Sekolah / All Schools	unit	101	39	27	5	7,740,000,000
Education	TK / Kindergarten	unit	48	25	13	5	1,530,000,000
Kesehatan /	Puskesmas Pembantu / Health Post	unit	22	17	8	2	1,579,200,000
Health	Posyandu / Post-Natal Clinic	unit	66	52	15	16	1,796,700,000
Masyarakat,	Tempat Ibadah / Prayer Room	unit	215	109	51	23	25,680,000,000
Budaya, Agama / Community,	Meunasah/Mesjid / Mosque	unit	211	85	37	10	8,490,000,000
Culture, Religion							
PRASARANA DAN P	PEMUKIMAN / INFRASTRUCTURE AND HOUSING						
Pemukiman /	Rumah Penduduk / Houses	unit	22,126	8,686	2,280	403	173,850,600,000
Housing	Barak / Barracks	KK	782	212	98		438,240,000
Transportasi dan	Jalan Kabupaten / District Roads	meter	228,413	64,488	34,695	5,470	17,857,550,000
Komunikasi /	Poros Desa (diperkeras) / Villlage Road (Paved)	meter	264,570	110,208	99,575	15,370	22,289,550,000
Transportation	Poros Desa (tanah) / Village Road (Dirt)	meter	111,913	71,511	57,461	12,430	6,005,107,500
and	Poros Dusun (diperkeras) /Hamlet Road (Paved)	meter	150,781	63,097	71,850	11,555	12,428,500,000
Communication	Poros Dusun (tanah) / Hamlet Road (Dirt)	meter	131,820	75,487	62,355	13,131	5,366,133,000
	Lingkungan (diperkeras) / Footpath (paved)	meter	46,199	16,150	24,978	7,311	3,463,730,000
	Lingkungan (tanah) / Footpath (dirt)	meter	80,415	46,860	34,196	8,407	2,555,085,000
	Jalan Kebun (diperkeras) / Orchard Road (paved)	meter	93,640	30,040	31,025	8,374	5,922,075,000
	Jalan Kebun (tanah) / Orchard Road (dirt)	meter	117,001	84,590	53,780	14,428	5,321,802,000
	Gorong-Gorong / Calvert	unit	976	268	392	323	4,462,800,000
	Tembok Penahan Tanah / Retaining Wall	meter	28,900	5,454	9,477	10,494	3,038,580,000
	Jembatan Beton / Concrete Bridge	unit	313	51	58	48	12,144,000,000
	Jembatan Gelagar Besi / Steel Bridge	unit	29	18	11	10	1,765,000,000
	Jembatan Gelagar Kayu / Wood Bridge	unit	41	44	49	85	6,854,400,000
	Jembatan Gantung / Suspension Bridge	unit	8	10	5	4	3,600,000,000
Sumber Energi /	Sumber Listrik / Electicity Source	unit	51	14	14	16	223,200,000
•	Jaringan Listrik / Electricity Network		357,709	19,118	6,400	2,902	172,822,500
Energy		meter					
Air Bersih dan Sanitasi / Water	Sumur Gali / Well Sumur Pompa Tangan / Hand Pump	unit	18,682 96	6,378 87	4,379 46	1,865 55	16,947,000,000
and Sanitation		unit					79,800,000
and Sanitation	Sumur Pompa Mesin / Machine Pump	unit	827	341	87 7	95 2	223,750,000
	Hidran Umum / Public Standpipe	unit	10	3			41,000,000
	Perpipaan / Piping	meter	29,891	1,048	5,032	7,671	605,790,000
	Perlindungan Mata Air / Catchment	unit	1	1	5		108,000,000
	Sistem Penjernihan / Purification Syste	unit	4		3	2	105,000,000
	Penampungan Air Hujan / Storage Tank	unit	4	3	5	3	91,500,000
	MCK / Public Toilet and Landry	unit	274	153	155	43	7,656,600,000
SEKTOR PRODUKTI	F / PRODUCTIVE SECTORS						
Pertanian /	Segela Jenis Sawah / All Fields	ha	10,129	4,284	3,536	315	52,460,086,605
Agriculture	Segala Jenis Kebun / All Plantations	ha	10,172	2,534	1,665	144	4,971,746,483
	Tambak / Fish Ponds	ha	1,365	590	886	48	15,337,062,720
	Bendungan / Weir	unit	31	5	21	9	460,000,000
	Bangunan Irigasi / Irrigation Gates	unit	107	63	53	23	905,000,000
	Saluran / Irrigation Channels	meter	317,951	100,970	84,129	29,657	16,663,675,000
	Penggilingan Padi / Rice Winnowing Facility	unit	82	50	32	7	4,450,000,000
	Gudang Beras / Rice Warehouse	unit	20	19	21	8	1,935,000,000
Perikanan /	Tempat Pelelangan Ikan / Fish Market	unit	6	8	14	3	3,555,000,000
Fishery	Tambatan / Permanent Jetty	unit	1	7	6	8	885,000,000
Perdagangan /	Pasar Desa / Village Market	unit	22	10	5	2	1,800,000,000
Trade	Toko / Shop	unit	1,699	336	95	37	19,395,000,000
Usaha / Enterprises	Bengkel / Garage	unit	112	56	45	14	6,595,000,000
ADMINISTRASI PEN	MERINTAH / GOVERNMENT ADMINISTRATION						
	Balai/Kantor Desa / Village Office	unit	77	37	19	18	3,045,000,000
				USD 5	4,765,676	R	p. 492,891,085,808

Jenis / Category	Tipe / Type	Unit	No	Light Loss	Heavy Loses	Replace Losses	Total (Rp.)
SEKTOR SOSIAL / S	OCIAL SECTORS						
Pendidikan /	Membersihkan failitas Segala Tingkat Sekolah /	unit	101	39	27	5	5,400,000
Education	Clean up facilities of All Schools						
	Membersihkan fasilitas TK /	unit	48	25	13	5	3,300,000
	Clean up facilities of Kindergarten						
Kesehatan /	Membersihkan fasilitas Pustu /	unit	22	17	8	2	1,950,000
Health	Clean up facilities of Pustu						
	Pengobatan Darurat bagi yang terluka /	Injured		181	3,783		1,909,600,000
	Emergency Medical Assistance for the Injured	Person					
PRASARANA DAN	PEMUKIMAN / INFRASTRUCTURE AND HOUSING						
Pemukiman /	Pemindahan Puing / Debris Removal	unit	22,126	8,686	2,280	403	722,750,000
Housing	Tempat Tinggal Sementara / T-shelter	unit	22,126	8,686	2,280	403	3,219,600,000
	Perabotan dan Alat Rumah Tangga /	unit	22,126	8,686	2,280	403	14,760,900,000
	Furniture and HH Appliances						
	Persediaan Pakaian / Clothing Stock	unit	22,126	8,686	2,280	403	1,326,060,000
	Persediaan Makanan / Food Stock	unit	22,126	8,686	2,280	403	636,664,000
SEKTOR PRODUKT	IF / PRODUCTIVE SECTORS						
Perdagangan /	Pasar Desa / Village Market	unit	22	10	5	2	108,000,000
Trade	Toko / Shop	unit	1,699	336	95	37	218,400,000
Usaha /	Bengkel / Garage	unit	112	56	45	14	121,800,000
Enterprises							
				USD 2	,559,380	Rp	. 23,034,424,000

KAJIAN BANJIR ACEH PROGRAM PEMBANGUNAN KECAMATAN (PPK) 2007 LAPORAN RINGKASAN KABUPATEN ACEH FLOOD ASSESSMENT
KECAMATAN DEVELOPMENT PROGRAM (KDP) 2007
DISTRICT SUMMARY REPORT

KABUPATEN / DISTRICT: NAD - BENER MERIAH

STATISTIC OVERALL PROFILE / STATISTIK PROFIL KESELURUHAN

Populasi / Population: 34905

Kepala Keluarga (KK) / Households: 8199 Usia Produktif / Productive Age: 20864

Pekerjaan / Occupation: 17781

Petani / Farmers: 14244 Paramedis / Paramedics: 116
Nelayan / Fishermann: 6 Tentara/Polisi / Army/Police: 62
Pedagang / Traders: 722 Usahawan / Entreprenours: 106
PNS / Civil Servants: 585 Buruh / Labourers: 1257

Guru / Teachers: 655 Lain / Other: 28

Keluarga Misking / Poor Households: 2240

Catatan: Data di bagian in berasal dari Kajian PPK terhadap Dampak Konflik dan Tsunami (2006), BPS population data

(PODES 2005), dan dari program BRA-PPK.

Note: The data in this section is from the KDP Conflict and Tsunami Damage Assessment (2006), BPS population data

(PODES 2005) and village population data from the BRA-KDP program.

LOKASI YANG TERIMBAS / MENINGGAL / LUKA / HILANG AFFECTED LOCATIONS / DEATHS / INJURIES / MISSING

Kabupatenn/District	Kecamatan/Sub- district	Jumlah Korban Meninggal/ Deaths	Jumlah Korban Luka Berat/ Heavy Injuries	Jumlah Korban Luka Ringan/ Light Injuries	Jumlah Korban Hilang/ Missing
NAD - Bener Meriah	BANDAR				
NAD - Bener Meriah	BUKIT				
NAD - Bener Meriah	PERMATA	2	5	3	1
NAD - Bener Meriah	SYIAH UTAMA	1	2		3

Jenis / Category	Tipe / Type	Unit	Not Damaged	Light Damage	Heavy Damage	Needs to be replaced	Total (Rp.)
SEKTOR SOSIAL / S							
Pendidikan /	Segala Tingkat Sekolah / All Schools	unit					0
Education	TK / Kindergarten	unit			3		180,000,000
Kesehatan /	Puskesmas Pembantu / Health Post	unit					0
Health	Posyandu / Post-Natal Clinic	unit					0
Masyarakat,	Tempat Ibadah / Prayer Room	unit		1	8	4	3,180,000,000
Budaya, Agama /	Meunasah/Mesjid / Mosque	unit		1	2		270,000,000
Community, Culture, Religion							
PRASARANA DAN F	PEMUKIMAN / INFRASTRUCTURE AND HOUSING						
Pemukiman /	Rumah Penduduk / Houses	unit	958	13	43	12	1,913,300,000
Housing	Barak / Barracks	KK			17		40,800,000
Transportasi dan	Jalan Kabupaten / District Roads	meter	1,000	3,800	56,800		14,580,000,000
Komunikasi /	Poros Desa (diperkeras) / Villlage Road (Paved)	meter	9,850	50	3,495		423,150,000
Transportation	Poros Desa (tanah) / Village Road (Dirt)	meter	300	600	24,920		1,265,500,000
and	Poros Dusun (diperkeras) /Hamlet Road (Paved)	meter		150	1,000		109,375,000
Communication	Poros Dusun (tanah) / Hamlet Road (Dirt)	meter	1,140	1,015	6,530		301,665,000
	Lingkungan (diperkeras) / Footpath (paved)	meter	3,010				240,800,000
	Lingkungan (tanah) / Footpath (dirt)	meter			6,300	6,000	472,200,000
	Jalan Kebun (diperkeras) / Orchard Road (paved)	meter	291	6,609			660,900,000
	Jalan Kebun (tanah) / Orchard Road (dirt)	meter	5,600	75	12,421		523,707,000
	Gorong-Gorong / Calvert	unit	8	18	78		417,600,000
	Tembok Penahan Tanah / Retaining Wall	meter	985		454		54,480,000
	Jembatan Beton / Concrete Bridge	unit			16		1,536,000,000
	Jembatan Gelagar Besi / Steel Bridge	unit			31	1	2,093,000,000
	Jembatan Gelagar Kayu / Wood Bridge	unit	2		71	5	3,213,600,000
	Jembatan Gantung / Suspension Bridge	unit			1	2	840,000,000
Sumber Energi /	Sumber Listrik / Electicity Source	unit			1		4,800,000
Energy	Jaringan Listrik / Electricity Network	meter					0
Air Bersih dan	Sumur Gali / Well	unit					0
Sanitasi / Water	Sumur Pompa Tangan / Hand Pump	unit					0
and Sanitation	Sumur Pompa Mesin / Machine Pump	unit					0
	Hidran Umum / Public Standpipe	unit		19	4		35,000,000
	Perpipaan / Piping	meter	3,020		12,430	1,710	582,700,000
	Perlindungan Mata Air / Catchment	unit	-,	3	29	_/:	604,000,000
	Sistem Penjernihan / Purification Syste	unit		1	1		20,000,000
	Penampungan Air Hujan / Storage Tank	unit					0
	MCK / Public Toilet and Landry	unit	3	6	18	8	966,000,000
SEKTOR PRODUKTI	F / PRODUCTIVE SECTORS						
Pertanian /	Segela Jenis Sawah / All Fields	ha	200	8	266		2,361,075,893
Agriculture	Segala Jenis Kebun / All Plantations	ha	1,526	124	1,136		1,986,927,207
	Tambak / Fish Ponds	ha			261		4,345,011,300
	Bendungan / Weir	unit	1		1		10,000,000
	Bangunan Irigasi / Irrigation Gates	unit	1	3	8		65,000,000
	Saluran / Irrigation Channels	meter	2,050	1,370	4,290		490,650,000
	Penggilingan Padi / Rice Winnowing Facility	unit					0
	Gudang Beras / Rice Warehouse	unit					0
Perikanan /	Tempat Pelelangan Ikan / Fish Market	unit					0
Fishery	Tambatan / Permanent Jetty	unit					0
Perdagangan /	Pasar Desa / Village Market	unit					0
Trade	Toko / Shop	unit			6		450,000,000
Usaha /	Bengkel / Garage	unit					0
Enterprises							
ADMINISTRASI PEN	MERINTAH / GOVERNMENT ADMINISTRATION						240.222.22
	Balai/Kantor Desa / Village Office	unit			4		240,000,000
				LISD	1.941.916	R	p. 44.477.241.399

Jenis / Category	Tipe / Type	Unit	No	Light Loss	Heavy Loses	Replace Losses	Total (Rp.)
SEKTOR SOSIAL / S	OCIAL SECTORS						
Pendidikan /	Membersihkan failitas Segala Tingkat Sekolah /	unit					0
Education	Clean up facilities of All Schools						
	Membersihkan fasilitas TK /	unit			3		300,000
	Clean up facilities of Kindergarten						
Kesehatan /	Membersihkan fasilitas Pustu /	unit					0
Health	Clean up facilities of Pustu						
	Pengobatan Darurat bagi yang terluka /	Injured		3	7		3,800,000
	Emergency Medical Assistance for the Injured	Person					
PRASARANA DAN F	PEMUKIMAN / INFRASTRUCTURE AND HOUSING						
Pemukiman /	Pemindahan Puing / Debris Removal	unit	958	13	43	12	6,750,000
Housing	Tempat Tinggal Sementara / T-shelter	unit	958	13	43	12	66,000,000
	Perabotan dan Alat Rumah Tangga /	unit	958	13	43	12	162,450,000
	Furniture and HH Appliances						
	Persediaan Pakaian / Clothing Stock	unit	958	13	43	12	17,280,000
	Persediaan Makanan / Food Stock	unit	958	13	43	12	3,808,000
SEKTOR PRODUKTI	F / PRODUCTIVE SECTORS						
Perdagangan /	Pasar Desa / Village Market	unit					0
Trade	Toko / Shop	unit			6		8,400,000
Usaha /	Bengkel / Garage	unit					0
Enterprises							
					JSD 29.865	R	n. 268.788.000

USD 29,865

Rp. 268,788,000

KAJIAN BANJIR ACEH PROGRAM PEMBANGUNAN KECAMATAN (PPK) 2007 LAPORAN RINGKASAN KABUPATEN ACEH FLOOD ASSESSMENT
KECAMATAN DEVELOPMENT PROGRAM (KDP) 2007
DISTRICT SUMMARY REPORT

KABUPATEN / DISTRICT: NAD - BIREUEN

STATISTIC OVERALL PROFILE / STATISTIK PROFIL KESELURUHAN

Populasi / Population: 29276

Kepala Keluarga (KK) / Households: 6510 Usia Produktif / Productive Age: 14230

Pekerjaan / Occupation: 15839

Petani / Farmers: 7464 Paramedis / Paramedics: 163
Nelayan / Fishermann: 763 Tentara/Polisi / Army/Police: 67
Pedagang / Traders: 695 Usahawan / Entreprenours: 262
PNS / Civil Servants: 485 Buruh / Labourers: 2963
Guru / Teachers: 1054 Lain / Other: 1923

Keluarga Misking / Poor Households: 1939

Catatan: Data di bagian in berasal dari Kajian PPK terhadap Dampak Konflik dan Tsunami (2006), BPS population data

(PODES 2005), dan dari program BRA-PPK.

Note: The data in this section is from the KDP Conflict and Tsunami Damage Assessment (2006), BPS population data

(PODES 2005) and village population data from the BRA-KDP program.

LOKASI YANG TERIMBAS / MENINGGAL / LUKA / HILANG AFFECTED LOCATIONS / DEATHS / INJURIES / MISSING

Kabupatenn/District	Kecamatan/Sub- district	Jumlah Korban Meninggal/ Deaths	Jumlah Korban Luka Berat/ Heavy Injuries	Jumlah Korban Luka Ringan/ Light Injuries	Jumlah Korban Hilang/ Missing
NAD - Bireuen	GANDA PURA		101	150	
NAD - Bireuen	PEUSANGAN		88	20	

Jenis / Category	Tipe / Type	Unit	Not Damage	Light Damage	Heavy Damage	Needs to be replaced	Total (Rp.)
SEKTOR SOSIAL / SO	OCIAL SECTORS		ŭ	ŭ	Ţ.	·	
Pendidikan /	Segala Tingkat Sekolah / All Schools	unit	17	2	1		270,000,000
Education	TK / Kindergarten	unit	6	1	1		75,000,00
Kesehatan /	Puskesmas Pembantu / Health Post	unit	5		1	2	420,000,00
Health	Posyandu / Post-Natal Clinic	unit	26	1	2	2	169,600,00
Masyarakat,	Tempat Ibadah / Prayer Room	unit	18	2	2	1	900,000,000
Budaya, Agama /	Meunasah/Mesjid / Mosque	unit	28	4	6	2	1,140,000,00
Community, Culture, Religion							
	PEMUKIMAN / INFRASTRUCTURE AND HOUSING		2.550	422	101	F0	0.010.200.00
Pemukiman /	Rumah Penduduk / Houses	unit	3,558	423	101	50	9,810,300,000
Housing	Barak / Barracks	KK	44	45	81		237,600,000
Transportasi dan	Jalan Kabupaten / District Roads	meter	27,700	4,250	8,030	1,050	2,957,500,000
Komunikasi /	Poros Desa (diperkeras) / Villlage Road (Paved)	meter	43,491	8,572	8,307	50	1,646,490,00
Transportation	Poros Desa (tanah) / Village Road (Dirt)	meter	18,500	1,450	3,470		220,625,000
and	Poros Dusun (diperkeras) /Hamlet Road (Paved)	meter	16,240	7,259	3,262	80	788,887,500
Communication	Poros Dusun (tanah) / Hamlet Road (Dirt)	meter	20,845	2,575	7,230	35	375,075,000
	Lingkungan (diperkeras) / Footpath (paved)	meter	2,405	1,700	550		129,000,000
	Lingkungan (tanah) / Footpath (dirt)	meter	2,600	950	450		36,200,000
	Jalan Kebun (diperkeras) / Orchard Road (paved)	meter	250	2,100	1,550		286,250,00
	Jalan Kebun (tanah) / Orchard Road (dirt)	meter	1,200	1,000	7,000		321,000,00
	Gorong-Gorong / Calvert	unit	210	22	41	96	825,600,00
	Tembok Penahan Tanah / Retaining Wall	meter	1,962	10	810	2,922	536,100,00
	Jembatan Beton / Concrete Bridge	unit	6	10	13	8	2,368,000,00
	Jembatan Gelagar Besi / Steel Bridge	unit				6	468,000,00
	Jembatan Gelagar Kayu / Wood Bridge	unit		2	2	10	621,200,00
	Jembatan Gantung / Suspension Bridge	unit					
Sumber Energi /	Sumber Listrik / Electicity Source	unit	1				
Energy	Jaringan Listrik / Electricity Network	meter	28,650	200	200	500	10,050,00
Air Bersih dan	Sumur Gali / Well	unit	3,547	289	359	135	1,160,250,000
Sanitasi / Water	Sumur Pompa Tangan / Hand Pump	unit	24	277			55,400,00
and Sanitation	Sumur Pompa Mesin / Machine Pump	unit	822	22	5	54	62,000,00
	Hidran Umum / Public Standpipe	unit				2	10,000,00
	Perpipaan / Piping	meter	575	100	800		34,000,00
	Perlindungan Mata Air / Catchment	unit	373	100	000		34,000,000
	Sistem Penjernihan / Purification System	unit	1		5	5	225,000,000
	Penampungan Air Hujan / Storage Tank	unit			1	6	97,500,000
	MCK / Public Toilet and Landry	unit	10	3	6	4	382,200,00
CENTOR DRODUKTU	F / DDODLICTIVE SECTORS						
Pertanian /	F / PRODUCTIVE SECTORS Segela Jenis Sawah / All Fields	ha	1,165	525	315		5,050,382,910
Agriculture					341		711,470,48
Agriculture	Segala Jenis Kebun / All Plantations	ha	953	208		20	
	Tambak / Fish Ponds	ha	268	311	445	28	7,717,078,60
	Bendungan / Weir	unit	2	2	4	1	75,000,00
	Bangunan Irigasi / Irrigation Gates	unit	20 222	2	20,000	1	49,000,00
	Saluran / Irrigation Channels	meter	30,390	9,593	20,009	5,937	3,174,710,000
	Penggilingan Padi / Rice Winnowing Facility	unit 	17	6	5		495,000,00
	Gudang Beras / Rice Warehouse	unit	5				
Perikanan /	Tempat Pelelangan Ikan / Fish Market	unit	3				-
Fishery	Tambatan / Permanent Jetty	unit	3				-
Perdagangan /	Pasar Desa / Village Market	unit	5	1			45,000,00
Trade	Toko / Shop	unit	187	2	1		115,000,00
Usaha / Enterprises	Bengkel / Garage	unit	25			1	150,000,00
ADMINISTRASI PEM	MERINTAH / GOVERNMENT ADMINISTRATION						
	Balai/Kantor Desa / Village Office	unit	15	3	6	4	705,000,00
				USI	4,991,830	Rp.	44,926,469,493

Jenis / Category	Тіре / Туре	Unit	No	Light Loss	Heavy Loses	Replace Losses	Total (Rp.)
SEKTOR SOSIAL / S	OCIAL SECTORS						
Pendidikan /	Membersihkan failitas Segala Tingkat Sekolah	unit	17	2	1		200,000
Education	/ Clean up facilities of All Schools						
	Membersihkan fasilitas TK /	unit	6	1	1		150,000
	Clean up facilities of Kindergarten						
Kesehatan /	Membersihkan fasilitas Pustu /	unit	5		1	2	400,000
Health	Clean up facilities of Pustu						
	Pengobatan Darurat bagi yang terluka /	Injured		170	189		111,500,000
	Emergency Medical Assistance for the Injured	Person					
PRASARANA DAN F	PEMUKIMAN / INFRASTRUCTURE AND HOUSING						_
Pemukiman /	Pemindahan Puing / Debris Removal	unit	3,558	423	101	50	38,750,000
Housing	Tempat Tinggal Sementara / T-shelter	unit	3,558	423	101	50	181,200,000
	Perabotan dan Alat Rumah Tangga /	unit	3,558	423	101	50	832,950,000
	Furniture and HH Appliances						
	Persediaan Pakaian / Clothing Stock	unit	3,558	423	101	50	70,680,000
	Persediaan Makanan / Food Stock	unit	3,558	423	101	50	32,144,000
SEKTOR PRODUKTI	F / PRODUCTIVE SECTORS						
Perdagangan /	Pasar Desa / Village Market	unit	5	1			4,500,000
Trade	Toko / Shop	unit	187	2	1		1,600,000
Usaha / Enterprises	Bengkel / Garage	unit	25			1	1,400,000
					US	D 141,719	Rp. 1,275,474,000

KAJIAN BANJIR ACEH PROGRAM PEMBANGUNAN KECAMATAN (PPK) 2007 LAPORAN RINGKASAN KABUPATEN ACEH FLOOD ASSESSMENT
KECAMATAN DEVELOPMENT PROGRAM (KDP) 2007
DISTRICT SUMMARY REPORT

KABUPATEN / DISTRICT: NAD - GAYO LUES

STATISTIC OVERALL PROFILE / STATISTIK PROFIL KESELURUHAN

Populasi / Population: 4652

Kepala Keluarga (KK) / Households: 1081 Usia Produktif / Productive Age: 2201

Pekerjaan / Occupation: 3541

Petani / Farmers: 2521 Paramedis / Paramedics: 0
Nelayan / Fishermann: 120 Tentara/Polisi / Army/Police: 24
Pedagang / Traders: 58 Usahawan / Entreprenours: 20
PNS / Civil Servants: 19 Buruh / Labourers: 745

Guru / Teachers: 34 Lain / Other: 0

Keluarga Misking / Poor Households: 456

Catatan: Data di bagian in berasal dari Kajian PPK terhadap Dampak Konflik dan Tsunami (2006), BPS population data (PODES 2005), dan dari program BRA-PPK.

Note: The data in this section is from the KDP Conflict and Tsunami Damage Assessment (2006), BPS population data

(PODES 2005) and village population data from the BRA-KDP program.

LOKASI YANG TERIMBAS / MENINGGAL / LUKA / HILANG AFFECTED LOCATIONS / DEATHS / INJURIES / MISSING

Kabupatenn/District	Kecamatan/ Sub-district	Jumlah Korban Meninggal/ Deaths	Jumlah Korban Luka Berat/ Heavy Injuries	Jumlah Korban Luka Ringan/ Light Injuries	Jumlah Korban Hilang/ Missing
NAD - Gayo Lues	PINDING	1	61	9	3

Jenis / Category	Tipe / Type	Unit	Not Damaged	Light Damage	Heavy Damage	Needs to be replaced	Total (Rp.)
SEKTOR SOSIAL / S	OCIAL SECTORS						
Pendidikan /	Segala Tingkat Sekolah / All Schools	unit	1	1	3	3	1,260,000,000
Education	TK / Kindergarten	unit		1			15,000,000
Kesehatan /	Puskesmas Pembantu / Health Post	unit	3			1	168,000,000
Health	Posyandu / Post-Natal Clinic	unit	2			2	106,000,000
Masyarakat,	Tempat Ibadah / Prayer Room	unit	3	1		5	1,560,000,000
Budaya, Agama /	Meunasah/Mesjid / Mosque	unit	1	1	1	4	750,000,000
Community, Culture, Religion							
PRASARANA DAN F	PEMUKIMAN / INFRASTRUCTURE AND HOUSING						
Pemukiman /	Rumah Penduduk / Houses	unit	470	10	74	252	15,423,000,000
Housing	Barak / Barracks	KK				58	278,400,000
Transportasi dan	Jalan Kabupaten / District Roads	meter	11,000	11,000	49,000	30	13,350,000,000
Komunikasi /	Poros Desa (diperkeras) / Villlage Road (Paved)	meter	3,500	2,200	5,100		777,000,000
Transportation	Poros Desa (tanah) / Village Road (Dirt)	meter	1,500	500	26,000		1,316,250,000
Transportation	Poros Dusun (diperkeras) /Hamlet Road (Paved)	meter	1,300	1,700	7,000		806,250,000
	Poros Dusun (tanah) / Hamlet Road (Dirt)		500	-			
	Lingkungan (diperkeras) / Footpath (paved)	meter	1,000	1,000	2,000 500		111,000,000 40,000,000
		meter	1,000	2 500	3,000		179,000,000
	Lingkungan (tanah) / Footpath (dirt)	meter	1 000	3,500			
	Jalan Kebun (diperkeras) / Orchard Road (paved)	meter	1,000	2.000	7,000		700,000,000
	Jalan Kebun (tanah) / Orchard Road (dirt)	meter		3,000	20,000		921,000,000
	Gorong-Gorong / Calvert	unit	4			18	108,000,000
	Tembok Penahan Tanah / Retaining Wall	meter				1,120	168,000,000
	Jembatan Beton / Concrete Bridge	unit	5			4	480,000,000
	Jembatan Gelagar Besi / Steel Bridge	unit	2			7	546,000,000
	Jembatan Gelagar Kayu / Wood Bridge	unit				16	832,000,000
	Jembatan Gantung / Suspension Bridge	unit	2				C
Sumber Energi /	Sumber Listrik / Electicity Source	unit	8	5	1	78	638,800,000
Energy	Jaringan Listrik / Electricity Network	meter	900			9,400	141,000,000
Air Bersih dan	Sumur Gali / Well	unit				1	3,000,000
Sanitasi / Water	Sumur Pompa Tangan / Hand Pump	unit					C
and Sanitation	Sumur Pompa Mesin / Machine Pump	unit				1	1,000,000
	Hidran Umum / Public Standpipe	unit	4		1	4	24,000,000
	Perpipaan / Piping	meter	1,000	3,000		5,600	340,000,000
	Perlindungan Mata Air / Catchment	unit		2		2	66,000,000
	Sistem Penjernihan / Purification Syste	unit				2	60,000,000
	Penampungan Air Hujan / Storage Tank	unit					C
	MCK / Public Toilet and Landry	unit	1		1	4	201,600,000
SEKTOR PRODUKTI	F / PRODUCTIVE SECTORS						
Pertanian /	Segela Jenis Sawah / All Fields	ha			327	160	4,262,628,210
Agriculture	Segala Jenis Kebun / All Plantations	ha			360	200	1,273,655,172
	Tambak / Fish Ponds	ha			14	4	239,904,000
	Bendungan / Weir	unit				3	75,000,000
	Bangunan Irigasi / Irrigation Gates	unit				7	105,000,000
	Saluran / Irrigation Channels	meter				3,720	465,000,000
	Penggilingan Padi / Rice Winnowing Facility	unit	1		2	5,720	900,000,000
	Gudang Beras / Rice Warehouse	unit				<u> </u>	900,000,000
Perikanan /	Tempat Pelelangan Ikan / Fish Market	unit					(
· · · · · · · · · · · · · · · · · · ·						1	
Fishery	Tambatan / Permanent Jetty	unit		1	4	1	75,000,000
Perdagangan /	Pasar Desa / Village Market	unit	40	1	1	43	225,000,000
Trade	Toko / Shop	unit	40		4	12	2,100,000,000
Usaha / Enterprises	Bengkel / Garage	unit	1	1	1		95,000,000
ADMINISTRASI PEN	MERINTAH / GOVERNMENT ADMINISTRATION						
	Balai/Kantor Desa / Village Office	unit	2			4	300,000,000
					5 720 721		n 51 //26 //27 222

Jenis / Category	Tipe / Type	Unit	No	Light Loss	Heavy Loses	Replace Losses	Total (Rp.)	
SEKTOR SOSIAL / S	SOCIAL SECTORS							
Pendidikan /	Membersihkan failitas Segala Tingkat Sekolah /		1	1	3	3	800,000	
Education	Clean up facilities of All Schools							
	Membersihkan fasilitas TK /	unit		1			50,000	
	Clean up facilities of Kindergarten							
Kesehatan /	Membersihkan fasilitas Pustu /	unit	3			1	150,000	
Health	Clean up facilities of Pustu							
	Pengobatan Darurat bagi yang terluka /	Injured		9	61		31,400,000	
	Emergency Medical Assistance for the Injured	Person						
PRASARANA DAN	PEMUKIMAN / INFRASTRUCTURE AND HOUSING							
Pemukiman /	Pemindahan Puing / Debris Removal	unit	470	10	74	252	45,700,000	
Housing	Tempat Tinggal Sementara / T-shelter	unit	470	10	74	252	391,200,000	
	Perabotan dan Alat Rumah Tangga /	unit	470	10	74	252	1,309,500,000	
	Furniture and HH Appliances							
	Persediaan Pakaian / Clothing Stock	unit	470	10	74	252	98,400,000	
	Persediaan Makanan / Food Stock	unit	470	10	74	252	18,816,000	
SEKTOR PRODUKT	TIF / PRODUCTIVE SECTORS							
Perdagangan /	Pasar Desa / Village Market	unit		1	1		13,500,000	
Trade	Toko / Shop	unit	40		4	12	22,400,000	
Usaha /	Bengkel / Garage	unit	1	1	1		2,100,000	
Enterprises	-							
				USD 214,891		ı	Rp.1,934,016,000	

ANNEX F: SUB-DISTRICT DAMAGE AND LOSSES SUMMARY

District	Sub-district	Damage (Rp.)	Losses (Rp.)	Total (Rp.)	Total (\$)
Aceh Tamiang	BANDA MULIA	43,104,025,950	1,822,582,000	44,926,607,950	4,991,845
	BANDAR PUSAKA	110,043,190,267	8,495,460,000	118,538,650,267	13,170,961
	BENDAHARA	86,896,207,215	5,375,126,000	92,271,333,215	10,252,370
	KARANG BARU	110,587,808,187	7,520,834,000	118,108,642,187	13,123,182
	KEJURUAN MUDA	105,609,302,932	9,251,216,000	114,860,518,932	12,762,280
	KOTA KUALA SIMPANG	85,315,678,466	9,967,820,000	95,283,498,466	10,587,055
	MANYAK PAYED	84,406,861,634	3,609,298,000	88,016,159,634	9,779,573
	RANTAU	103,305,786,105	9,835,144,000	113,140,930,105	12,571,214
	SEKERAK	53,705,553,349	4,486,538,000	58,192,091,349	6,465,788
	SERUWAY	43,476,208,414	2,157,666,000	45,633,874,414	5,070,430
	TAMIANG HULU	32,567,183,853	2,254,252,000	34,821,435,853	3,869,048
	TENGGULAN	107,610,678,828	8,509,940,000	116,120,618,828	12,902,291
Aceh Tengah	LINGE	6,770,719,529	151,982,000	6,922,701,529	769,189
Aceh Timur	BIREM BAYEUN	393,300,000	0	393,300,000	43,700
	JULOK	4,794,350,000	122,608,000	4,916,958,000	546,329
	PANTE BIDARI	93,876,796,566	5,237,538,000	99,114,334,566	11,012,704
	SERBAJADI	14,390,250,030	423,260,000	14,813,510,030	1,645,946
	SIMPANG JERNIH	30,906,476,440	2,994,556,000	33,901,032,440	3,766,781
	SIMPANG ULIM	33,437,124,742	1,686,328,000	35,123,452,742	3,902,606
Aceh Utara	BAKTIYA BARAT	3,794,421,203	43,332,000	3,837,753,203	426,417
	COT GIREK	5,454,808,402	355,070,000	5,809,878,402	645,542
	DEWANTARA	99,960,000	0	99,960,000	11,107
	KUTA MAKMUR	27,028,987,920	954,594,000	27,983,581,920	3,109,287
	LANGKAHAN	102,201,326,623	5,069,424,000	107,270,750,623	11,918,972
	LHOK SUKON	110,462,088,620	6,839,596,000	117,301,684,620	13,033,521
	MATANGKULI	19,385,166,342	1,059,952,000	20,445,118,342	2,271,680
	MEURAH MULIA	5,174,307,232	104,386,000	5,278,693,232	586,521
	MUARA BATU	15,154,917,850	855,986,000	16,010,903,850	1,778,989
	NIBONG	26,131,979,154	1,089,686,000	27,221,665,154	3,024,629
	NISAM	1,157,800,000	0	1,157,800,000	128,644
	PAYA BAKONG	1,380,781,900	103,726,000	1,484,507,900	164,945
	SAMUDERA	33,561,785,361	748,906,000	34,310,691,361	3,812,299
	SAWANG (A.UTARA)	8,397,767,272	273,668,000	8,671,435,272	963,493
	SIMPANG KERAMAT	1,783,872,600	50,000	1,783,922,600	198,214
	SYAMTALIRA ARON	7,930,274,611	95,874,000	8,026,148,611	891,794
	SYAMTALIRA BAYU	17,930,897,495	537,204,000	18,468,101,495	2,052,011
	TANAH JAMBO AYE	515,611,320	30,556,000	546,167,320	60,685
	TANAH LUAS	45,225,704,370	1,891,396,000	47,117,100,370	5,235,233
	TANAH PASIR	60,118,627,535	2,981,018,000	63,099,645,535	7,011,072
Bener Meriah	BANDAR	4,262,332,834	4,106,000	4,266,438,834	474,049
	BUKIT	10,626,616,219	46,972,000	10,673,588,219	1,185,954
	PERMATA	3,478,773,955	103,248,000	3,582,021,955	398,002
	SYIAH UTAMA	26,109,518,391	114,462,000	26,223,980,391	2,913,776
Bireuen	GANDA PURA	29,516,222,504	894,506,000	30,410,728,504	3,378,970
	PEUSANGAN	15,410,246,989	380,968,000	15,791,214,989	1,754,579
Cavalues					
ayo Lues	PINDING	51,486,487,382	1,934,016,000	53,420,503,382	5,935,6