

APPENDIX 7

EDUCATION

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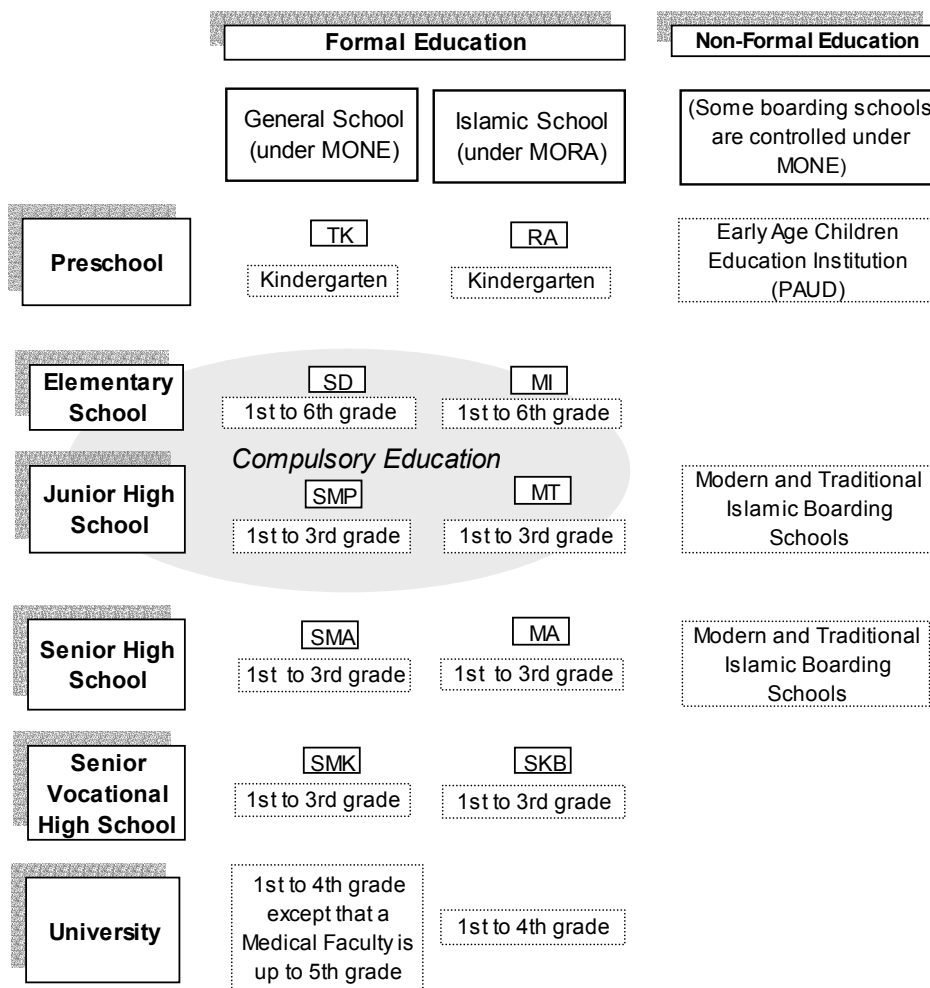
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CHAPTER 1 OVERVIEW OF EDUCATION SECTOR

1.1 EDUCATION SYSTEM

Education system in NAD (Nanggroe Aceh Darussalam) Province consists of a formal education and non-formal education (Figure 1.1). The formal education has two tracks, which are a general school education under the jurisdiction of MONE (Ministry of National Education) and an Islamic school education under MORA (Ministry of Religion Affairs). The Islamic school has the same education system of the general school which covers elementary schools, junior high schools, senior high schools as well as vocational schools, and universities. A compulsory education is applied to an elementary school and a junior high school. In the non-formal education there are traditional and modern boarding schools of a high school level which have been changed partially under the control from MORA to MONE in 2002. The boarding schools have recently developed their own curricula similar to the ones of a formal education.

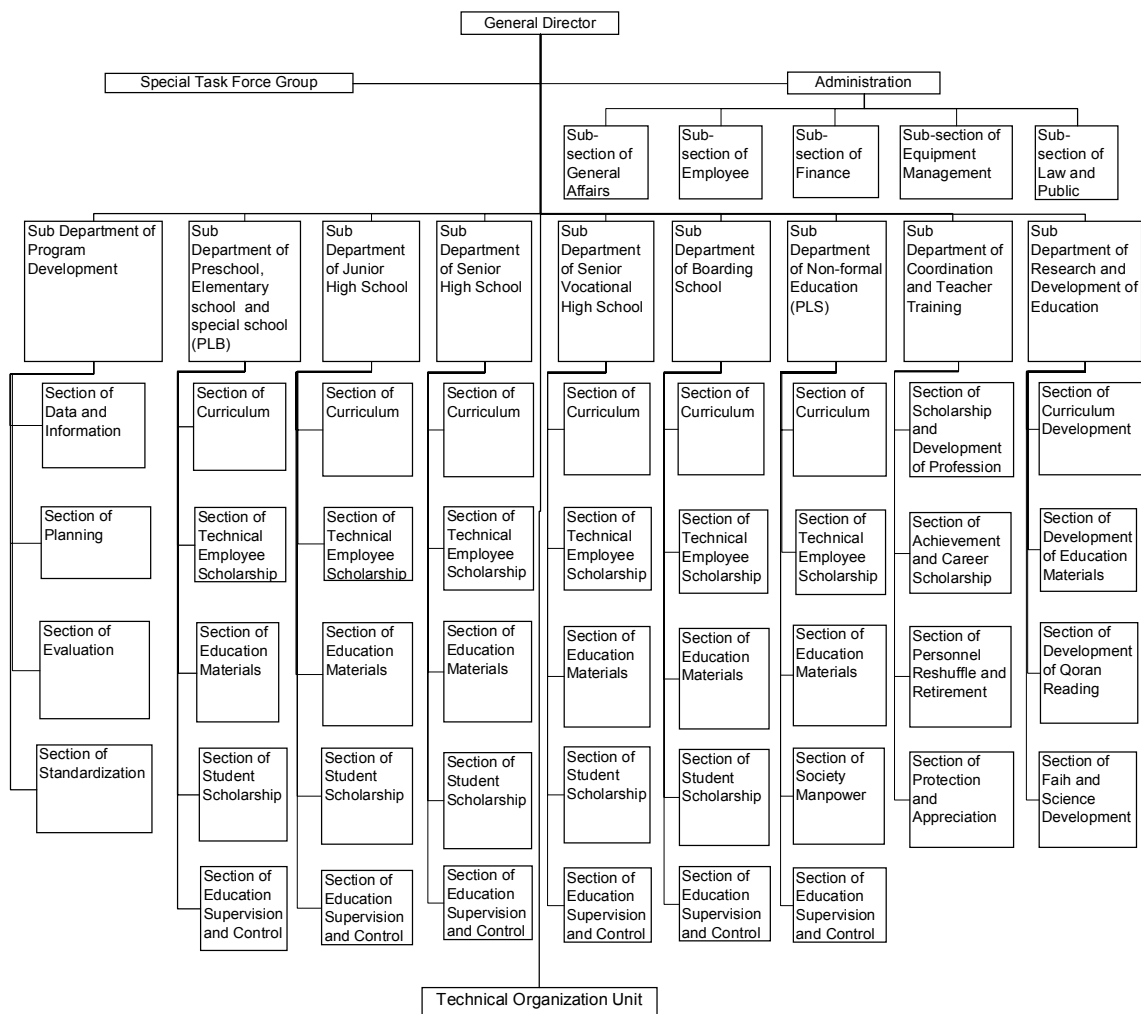


Source: Education Department of NAD Province

Figure 1.1 Education System in NAD Province

1.2 ORGANIZATIONS OF EDUCATION ADMINISTRATION

Education Department of NAD Province consists of nine Sub-Departments, namely a) Program Development, b) Preschool, Elementary School and Special School, c) Junior High School, d) Senior High School, e) Senior Vocational High School, f) Boarding School, g) Non-Formal Education, h) Coordination and Teacher Training, and i) Research and Development of Education (Figure 1.2). The Education Department of NAD Province has 361 of directors and staff totally. A special task force group, having the members of which have been dispatched from MONE in Jakarta, works for analysis of the Tsunami disaster and devotes to deals with the education issues affected by the disaster.

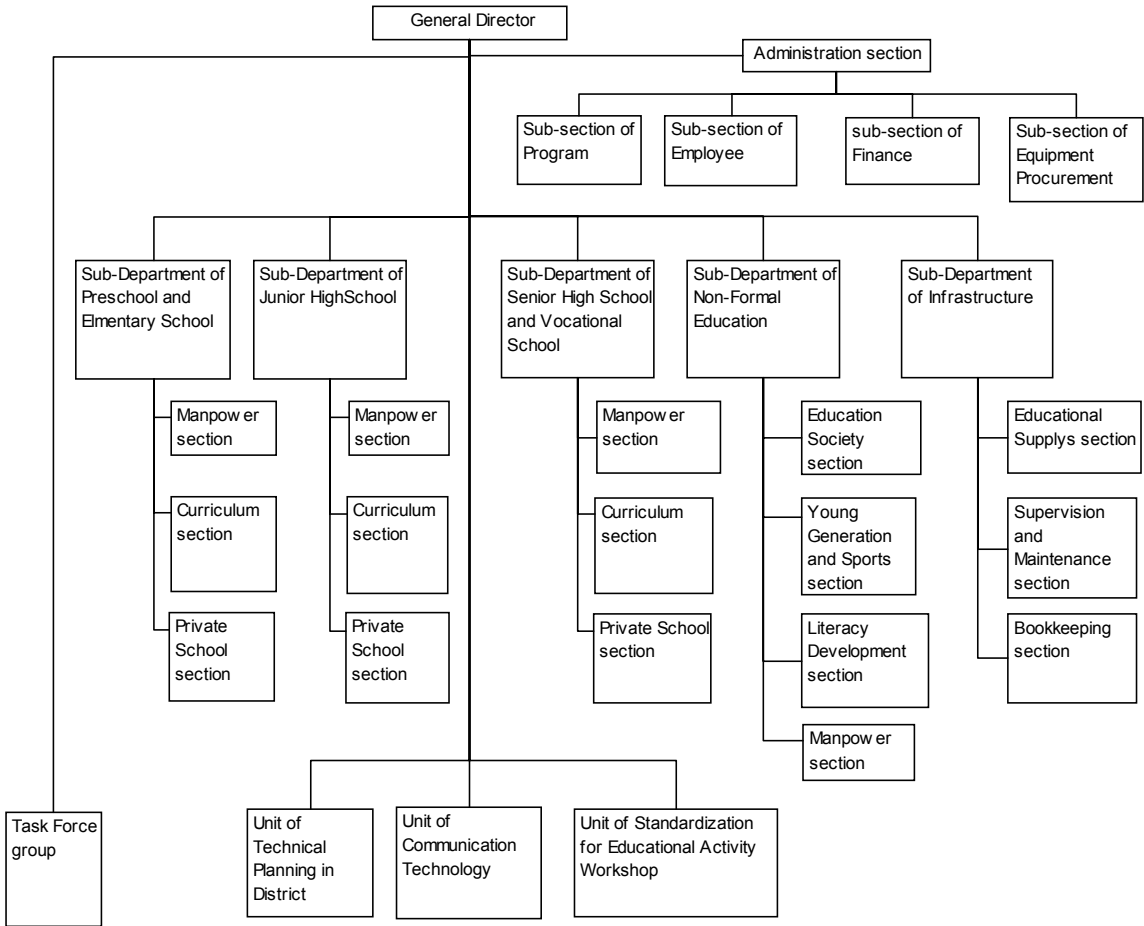


Source: Education Department of NAD Province

Figure 1.2 Organization Chart for the Education Department of NAD Province

The major duties of the Education Department of NAD Province are; a) policy making, b) quality control, c) accreditation and standardization of an education program, and d) coordination of all the programs of a national level and a district level.

On the other hand, an education department in a district level or in a city carry outs the local education administration including implementation of the programs according as the Education Department of NAD Province. Education Department of Banda Aceh city consists of five Sub-Departments; a) Preschool and Elementary School, b) Junior High School, c) Senior High School and Vocational School, d) Non-Formal Education , and e) Infrastructure (Figure 1.3).



Source: Education Department of Banda Aceh City

Figure 1.3 Organization Chart for the Education Department of Banda Aceh City

1.3 BUDGET

The Education budget consists of a routine budget (mainly salary) and development budget. In an emergency an additional budget is disbursed from central government after August. Annual budgets of Education Department of Banda Aceh City are 64,716 million Rp. in 2004 (70 % is salary), and 71,530 million Rp. in 2005 (70 % is salary).

1.4 STUDENTS AND TEACHERS

(1) Students and Teachers

Total number of students and teachers of a general school including private schools in Banda Aceh city before the Tsunami disaster in 2004 are 50,687 and 3,468 respectively (Table 1.1). Students of the national schools are; 21,378 in elementary schools, 11,519 in junior high schools, and 11,970 in senior high schools. On the other hand, the private schools have only 5.820 students in all education level, which accounts for 11.4 % of a total of the general schools' students. Ratio of students to a teacher in general school is 18.1 in elementary schools, 11.4 in junior high schools, and 13.7 in senior high schools.

Table 1.1 Number of Students and Teachers in Banda Aceh City before the Tsunami Disaster in 2004

School Level		(a) Number of Students	(b) Number of Teachers	(c) Number of Students per a Teacher	
Elementary School	National Schools	21,378	1,205	17.7	
	Private Schools	2,025	86	23.5	
	Sub-Total	23,403	1,291	18.1	
Junior High School	National Schools	11,519	922	12.4	
	Private Schools	1,308	200	6.5	
	Sub-Total	12,827	1,122	11.4	
Senior High School	National Schools	Ordinary Schools	11,051	703	15.7
		Vocational Schools	919	74	12.4
		Sub-Total	11,970	777	15.4
	Private Schools	2,487	278	8.9	
	Sub-Total	14,457	1,055	13.7	
Total		50,687	3,468	14.6	

Source: Education Department of Banda Aceh City

Note: Islamic school does not include in the table due to not available of data.

In the non-formal education there are eight boarding schools in Banda Aceh city before the tsunami in 2004, the learners (or participants) and facilitators of which are 2,026 and 165 respectively. 1,536 out of 2,026 learners are boarders who have lived in the boarding schools.

(2) Enrollment Rate

Net enrollment rates in Banda Aceh city in 2003 are 94.7% in elementary schools, 68.9% in junior high schools, and 66.3% in senior high schools (Table 1.2). By comparison with enrollment rates in a total of NAD Province, all the rates in Banda Aceh city are higher. The net enrollment rate of junior high schools in the city, however, is still low as accounting for only 68.9 % despite a compulsory education.

Table 1.2 Enrollment Rate in 2003

Area	Gross Enrollment Rate of Elementry School		Net Enrollment Rate of Elementry School		Gross Enrollment Rate of Junior High School		Net Enrollment Rate of Junior High School		Enrollment Rate of Senior High School including Vocational School	
	Including Non-Formal Education	Formal Education	Including Non-Formal Education	Formal Education	Including Non-Formal Education	Formal Education	Including Non-Formal Education	Formal Education	Gross Enrollment Rate	Net Enrollment Rate
Banda Aceh City	109.9	109.2	94.7	94.7	99.2	97.2	68.9	68.9	86.6	66.3
Total of NAD Province	98.4	97.9	92.4	92.1	78.2	76.6	64.9	64.0	56.6	45.9

Unit: %

Source: Education Department of NAD Province

(3) Education Level

According to the Education Department of NAD Province, the education quality of the province is one of the tenth lowest in Indonesia. It has been degrading during the last six years, after a political conflict that took place in the province. For those years, more than 1,000 schools have been burned, more than hundreds of teachers have been wounded and almost 100 teachers have been killed and or abducted and missing. The education administration was strengthened against the conflict in Banda Aceh city; however the negative factor of the tsunami disaster forces the local education departments to start from scratch. The education administration and teaching are needed to reconstruct.

1.5 SCHOOL INFRASTRUCTURE

(1) Number of Schools

Banda Aceh city has 131 elementary schools, 40 junior high schools, 34 senior high schools and 7 vocational schools where include Islamic schools before the tsunami disaster in 2004 (Table 1.3).

Table 1.3 Number of Schools before the Tsunami in 2004

Area	Elementary School (SD) and Islamic Elementary School (MI)	Junior High School (SMP) and Islamic Junior High School (MT)	Senior High School (SMA) and Islamic Senior High School (MA)	Senior Vocational High School (SMK) and Islamic Vocational Senior High School (SPK)
Banda Aceh City	131	40	34	7
Total of NAD Province	3,241	834	364	58

Source: Education Department of NAD Province

(2) Standard Design of School Infrastructure

Standard components of school facilities are; a classroom, an office, a principal room, a teachers room, a laboratory (for natural science, for social science and for language), a library, an entrance hall, an infirmary, a mosque, a school furniture, a wall in and around a school site, a water and electricity installation, drainage, a parking lot, and a canteen.

Standard size of a classroom is 7.0 m x 9.0 m. The classroom accommodates 40 pupils in an elementary school and 36 students in a junior high school and a senior high school. Ceiling height is necessary from 3.5 to 4.0 m. Two-story school buildings are extended in the urban area.

After the earthquake and tsunami disaster the MONE has prepared a prototype design of a school building to use as a reconstruction guideline. The quality of school buildings in NAD Province requires an earthquake resistant. In case of a new school construction after tsunami, more than 2 storied buildings are scheduled in the city.

Banda Aceh has a standard for establishment of education facilities (Table 1.4).

Table 1.4 Plan of Necessity for the Number of Education Units and Facility Space in Banda Aceh City

Facility type	Supporting inhabitant standard	Space requirement standard	Year					
			2001		2005		2010	
			225,865 people		263,624 people		30,7695 people	
		Unit	space (m2)	Unit	space (m2)	Unit	space (m2)	
Kinder garden	1,000	1,200	226	271,038	264	316,349	308	369,234
Elementary school	1,600	3,600	141	508,196	165	593,154	192	692,314
Junior high school	6,000	5,000	38	188,221	44	219,687	51	256,413
Senior high school	8,000	5,000	28	141,166	33	164,765	38	192,309
College	National	3,000,000	-	3,000,000	-	3,000,000	-	3,000,000
Library	Province	10,000	1	10,000	1	10,000	1	10,000
Total			434	4,118,621	506	4,303,954	591	4,520,270

Source: Revision Master Plan of Regional Space Layout (RTRW), Banda Aceh City, Year 2001 – 2010, Agency for Regional Development (BAPPEDA), Banda Aceh City, 2001

1.6 ISSUES ON EDUCATION SECTOR BEFORE THE TSUNAMI

Band Aceh City has been face with problems of the education sector due to the conflict. The major issues on the education sector to tackle urgently are as follows.

- (1) The education administration and teaching-learning process are needed to improve.
- (2) The net enrollment rate of junior high schools is needed to promote.

CHAPTER 2 EDUCATION SECTOR AFFECTED BY THE TSUNAMI

2.1 LOSS AND DAMAGE IDENTIFICATION

The tsunami has claimed the lives of approximately 2,300 teachers, 230 administrative staff, more than 250 faculty members, and 23,700 students in NAD Province. They were founded dead or missing. Up to 2 February 2005, 1,586 units including general schools, Islamic schools, and higher education institutions were totally and partially damaged. It means 23.5% from a total number of education institutions before the disaster.

In addition the disaster destroyed 2,197 non-formal education institutions including early age children education institution (PAUD), community learning center (PKBM), training or course institution, Islamic boarding school, and reading Al Qur'an institution (TPA).

In Banda Aceh city there were totally 65,902 students in an elementary and high school level before the tsunami; however the number has dropped sharply by 55 % after the tsunami. Approximately 3,411 students passed away (Table 2.1).

Table 2.1 Number of Students before and after the Tsunami

Item	Banda Aceh City				Total of NAD Province			
	(A) Before the Tsunami	(B) After the Tsunami	(C) The Killed by the Tsunami	(D) The Missing by the Tsunami	(A) Before the Tsunami	(B) After the Tsunami	(C) The Killed by the Tsunami	(D) The Missing by the Tsunami
1) Elementary School								
a) Elementary School (SD)	24,137	12,015	715	5,070	560,731	416,468	1,791	5,146
b) Islamic Elementary School (MI)	7,633	5,715	858	N.A	31,720	36,418	3,732	5
Sub-total	31,770	17,730	1,573	5,070	592,451	452,886	5,523	5,151
2) Junior High School								
a) Junior High School (SMP)	12,307	7,152	326	2,963	163,764	100,505	5,847	2,996
b) Islamic Junior High School (MT)	3,485	2,946	498	n.a.	18,254	23,133	746	n.a.
Sub-total	15,792	10,098	824	2,963	182,018	123,638	6,593	2,996
3) Senior High School								
a) Senior High School (SMA)	12,905	n.a.	428	1,973	109,667	62,269	569	1,983
b) Islamic Senior High School (MA)	2,502	1,596	492	n.a.	9,856	11,011	699	n.a.
Sub-total	15,407	1,596	920	1,973	119,523	73,280	1,268	1,983
4) Vocational High School (SMK)								
Sub-total	2,933	n.a.	94	45	20,938	11,594	101	50
5) Total of 1) to 4)	65,902	29,424	3,411	10,051	914,930	661,398	13,485	10,180

Source: Education Department of NAD Province

Note: The number of students before the tsunami in this table is different from the students in table 1.1 due to the different category of schools and different time point of data.

Regarding teachers totally in a kindergarten, an elementary school, a junior high school and a senior high school in Banda Aceh city, the number of the casualty is 405 of the killed and 411 of the missing (Table 2.2). According to Education Department of NAD Province, Banda Aceh city needs

approximately 200 permanent teachers and 200 contract teachers for elementary schools, junior high schools and senior high schools urgently.

Table 2.2 Number of Teachers affected by the Tsunami

Item	Banda Aceh City		Total of NAD Province	
	The Killed by the Tsunami	The Missing by the Tsunami	The Killed by the Tsunami	The Missing by the Tsunami
1) Kindergarten				
a) Kindergarten (TK)	26	6	61	6
b) Islamic Kindergarten (RA)	0	0	3	0
Sub-total	26	6	64	6
1) Elementary School				
a) Elementary School (SD)	80	163	823	174
b) Islamic Elementary School (MI)	70	0	80	90
Sub-total	150	163	903	264
2) Junior High School				
a) Junior High School (SMP)	73	124	320	133
b) Islamic Junior High School (MTs)	38	5	39	5
Sub-total	111	129	359	138
3) Senior High School				
a) Senior High School (SMA)	69	87	370	106
b) Islamic Senior High School (MA)	16	12	16	12
Sub-total	85	99	386	118
4) Vocational High School (SMK)				
Sub-total	33	14	46	14
5) Total of 1) to 4)	405	411	1,758	540

Source: Education Department of NAD Province

Remark: The data is as of 23 April, 2005.

The Education department of NAD province has lost 64 education administrators who were trained overseas, by the tsunami disaster.

When it comes to infrastructures in elementary schools, junior high schools and senior high schools in Banda Aceh city, 120 as approximately 61 % of total schools were damaged. Out of the 120 damaged schools, 64 were destroyed severely or swept away (Table 2.3). This survey of the school damage identification was carried out by local education departments in collaboration with UNICEF. Damage level was identified by observation of the reconnaissance. A severely damage is that over 60 % of a school infrastructure was damaged, partially damage; 30 % to 60%, and slightly damage; 20 % to 30 %. All the school infrastructures damaged in the city is estimated at 68,318 million Indonesian Rupiah (Rp.).

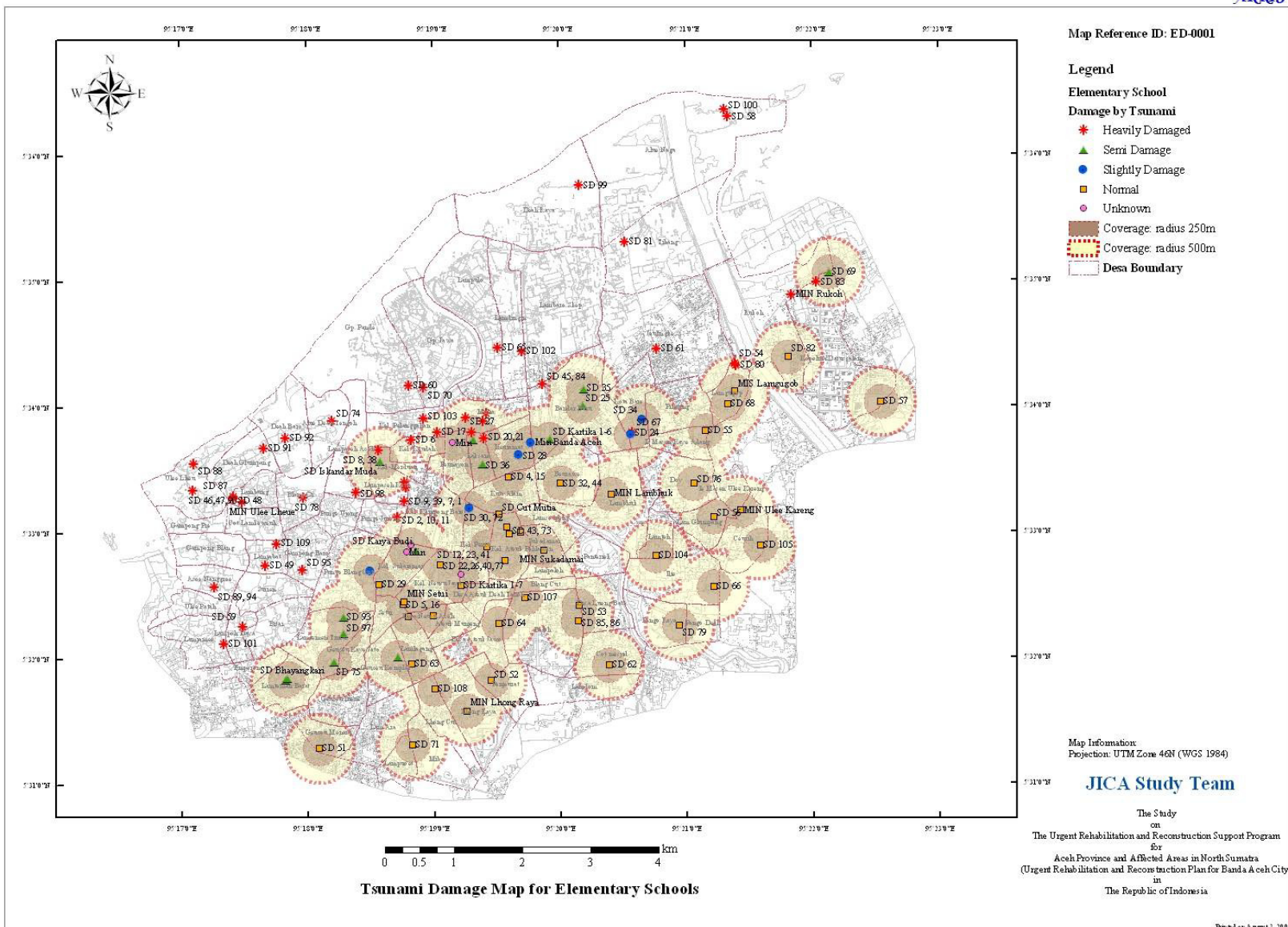
Table 2.3 Number of Schools in Banda Aceh city affected by the Tsunami

School Level		(a) Number of schools before the Tsunami	(b) Damages estimated (million Rp.)	(c) Number of Schools damaged			
				Severely damaged or destroyed	Partially destroyed	Slightly damaged	Sub-Total
Elementary School	General Schools	120	36,274	43	11	16	70
	Islamic Schools	12	766	0	1	3	4
	Sub-Total	132	37,040	43	12	19	74
Junior High School		30	18,431	13	0	9	22
Senior High School		35	12,847	8	7	9	24
Total		197	68,318	64	19	37	120

Source: Education Department of NAD Province

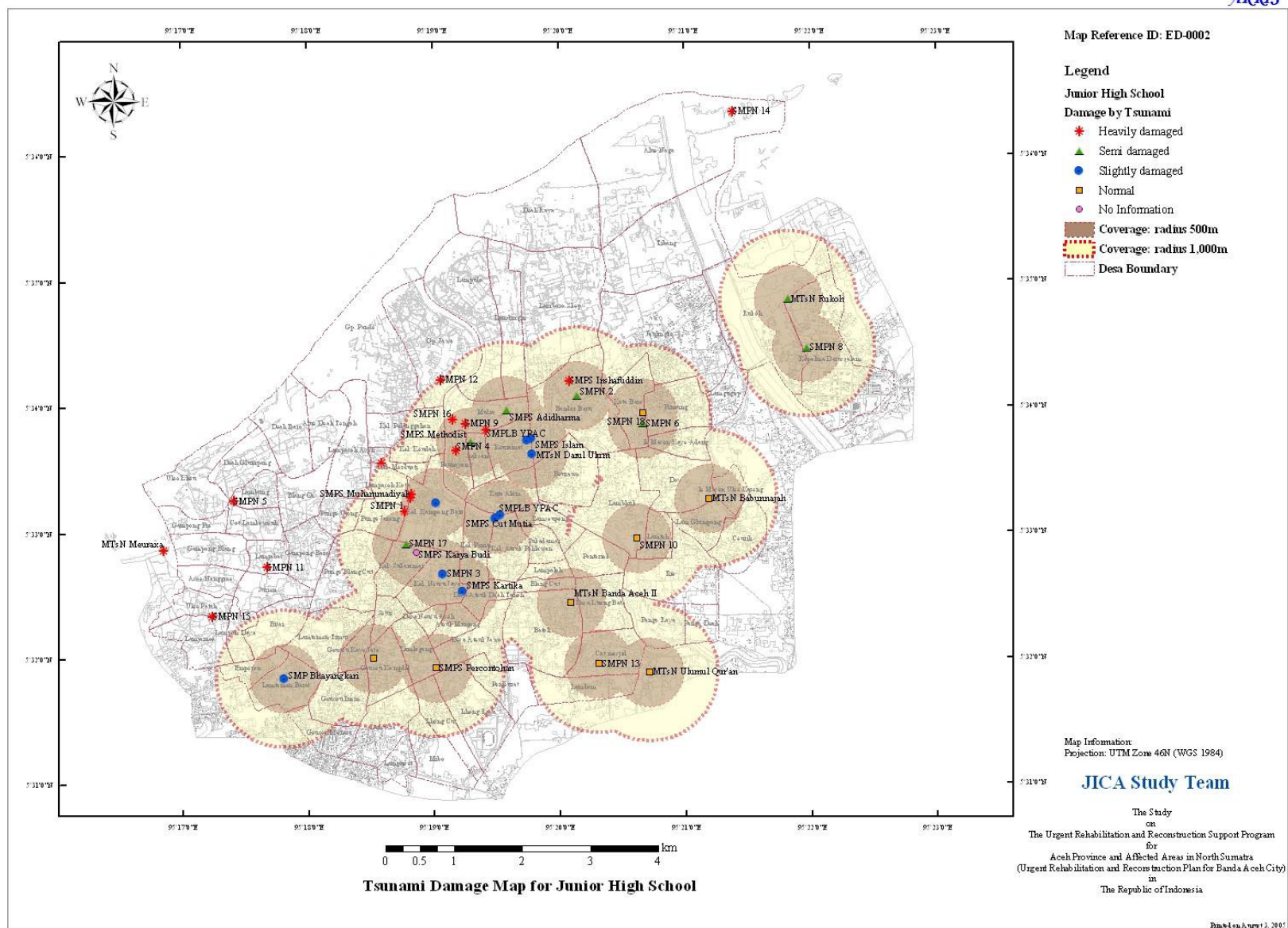
Remark: Junior high schools and senior high schools don't include Islamic schools.

The JICA Study Team has prepared ARRIS (Aceh Rehabilitation & Reconstruction Information System). Digital maps in ARRIS present the locations of elementary schools, junior high schools and senior high schools, the catchment's area and the damage level caused by the tsunami. School mappings by school level are shown below (Figure 2.1, Figure 2.2 and Figure 2.3).



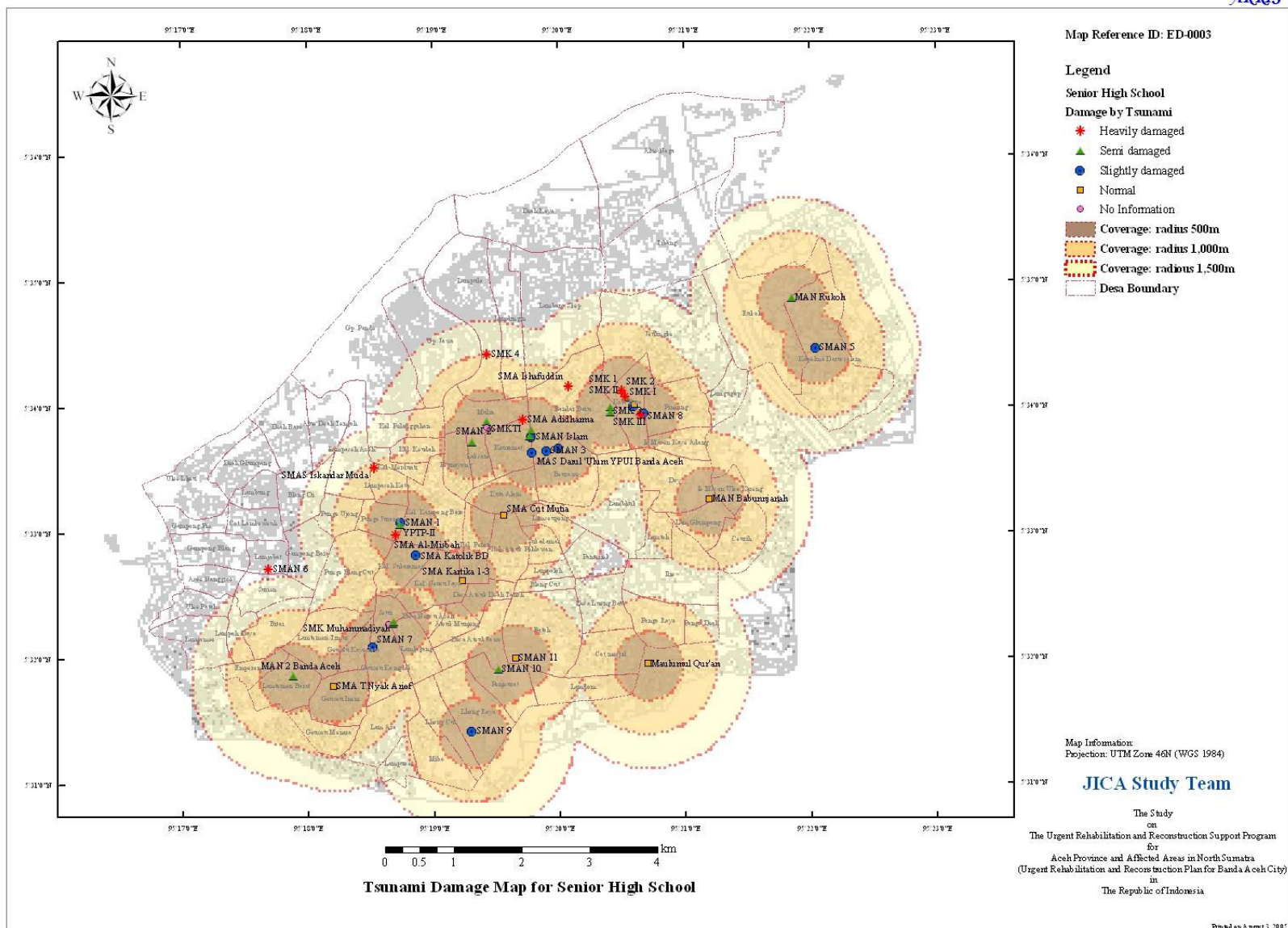
Note: The map was prepared by ARRIS of JICA Study Team based on data from City BAPEDA and UNICEF, etc.

Figure 2.1 School Mapping of Elementary Schools by Tsunami Damage Level



Note: The map was prepared by ARRIIS of JICA Study Team based on data from City BAPEDA and UNICEF, etc.

Figure 2.2 School Mapping of Junior High Schools by Tsunami Damage Level



Note: The map was prepared by ARRIS of JICA Study Team based on data from City BAPEDA and UNICEF, etc.

Figure 2.3 School Mapping of Senior High Schools by Tsunami Damage Level

2.2 EFFORTS MADE AND IN PROGRESS IN EMERGENCY RELIEF STAGE

The teaching-learning processes at school in NAD province has been reactivated since 26 January 2005: however 100,000 children are required emergency schools.

MONE in cooperation with UNICEF and SAMPOERAN foundation set up emergency education facilities along with the teaching materials, including 2,400 tents and 2,000 school-in-a-boxes. MONE has made efforts to provide teacher substitutes to teach in emergency classes because 4,800 local teachers have fled in NAD province.

Regarding managing non-formal education, up to 7 February 2005, MONE in partnership with social community institutions such as SEKOLAH RAKYAT, PEACE foundation, and Jakarta State University have provided temporary education services in 131 refugee camps. The programs include provision of volunteers, training for trainers, mobile early age children education activities, setting up reading rooms, operating teaching-learning processes equal to Package A, B and C modules (those packages are promotion system from non-formal education to formal education).

Vocational and life skills training on food-handling, clothes-making, automotive, electronics, building and construction, handicraft, forwarding, acupuncture, and computer training have been set up for the victims of the disaster in the Province by instructors from state and private institutions.

There are 70 host schools which have received refugee elementary students and the number of the students is approximately 1,200 in the Banda Aceh city according to UNICEF study. Some host schools have received over 100 refugee students per school. Temporary schools were already set up in some IDPC (internally displaced people's camp); namely SD47 (Lhong Raya), SD81 (Tibang), SD96 (Neusu), SD Muhammadiyah 1 and 2 and SD65 (Lampulo) in the city.

2.3 REHABILITATION AND RECONSTRUCTION PROPOSED BY DONORS

Not only local governments but also international organizations, bi-lateral donor countries, NGOs or private companies have proposed or started to implement the rehabilitation and reconstruction of the education sector in Banda Aceh city (Table2.4, Table2.5 and Table2.6).

Two projects by Japan's Non-project type grant aid is scheduled to implement; Support for Universities (Ar Raniry state Institute of Islamic studies and Syiah Kuala University), and Support for Madrasah/Pesantren (Islamic school). Support for Universities is to procure a laboratory equipment and education equipment for medical research and agricultural research and to rehabilitate buildings. Support for Islamic school (SMP11, SMA 2, SMA6, 2 non formal community learning center) is to procure education equipment and rehabilitate buildings.

Table 2.4 Rehabilitation and Reconstruction of Education Sector proposed by Donors

Donor	Components of a Program/Project	Progress of the Program/Project
ADB	Procurement of textbooks for junior and senior high schools and dispatch of 2 trainers for teacher training	MOU
UNICEF	Reconstruction of 300 elementary schools and rehabilitation of 200 elementary schools(SD6, SD30, SD45, SD64, SD89, SD94 and SD95)	MOU, some schools are under construction
AUSAID (Australia)	Equipment of Teacher training	Planning
Chinese Gov.	Reconstruction of elementary schools(SD34), junior high schools, and senior high schools in Lamlagang of Aceh Besar	Planning
CIDA (Canada)	Capacity building of financial system for a local government staff	Planning
French Gov.	Training of all administration sectors for a local government staff	Planning
GTZ and Kfw (German Gov.)	Reconstruction of senior vocational high schools (SMK1,2,3)	Planning
JICS (Japanese Gov.)	Support for University and rehabilitation of SMP11, SMA2, SMA6 and 2 non-formal community learning centers	MOU
Swiss Gov.	Establishing Inshafuddin Boarding Schools in Lamprit	Start on 1 June, 2005
Turkey Gov.	Reconstruction of elementary schools, junior high schools, and senior high schools in Lamlagang in Banda Aceh city	Planning
USAID (USA)	Teacher training	Planning
Yemen Gov.	Reconstruction of junior high schools (SMPN2 and SMPN6)	MOU
Local Government of Banjar Negarain Kalimantan	Reconstruction of a junior high school (SMP9)	MOU
Indonesian Red Cross (PMI)	Reconstruction of elementary school (SD1, SD7, SD9, SD22, SD39 and SD71)	Planning
Local news paper company in Jakarta (Harian Suara Merdeka)	Reconstruction of an elementary school (SD2) to complete by September, 2005	under construction
Local news paper company in Jawa (Suara Merdeka Semarang)	Reconstruction of an elementary school (SD10)	under construction
Local news paper company in Medan (Harian Analisa)	Reconstruction of an elementary school (SD54)	MOU
Local news paper company in Banda Aceh (Forum Bangun Aceh)	Reconstruction of an elementary school (SD81 and SMPN15, and SD101)	MOU, SD101: under
Local cigaret company (Gudeung)	Rehabilitation of a junior high school (SMPN1)	Planning
Indonesian Teachers	Rehabilitation of elementary schools (SD24, SD34 and SD38)	Planning
West Jawa Bank	Rehabilitation of SD50	MOU
Lions Club	Rehabilitation of SD61	under construction
Indonesian students in US	Rehabilitation of SD59	Planning
Coca Cola Company	Rehabilitation of SD61	MOU
NGO (IACO Canada)	Rehabilitation and reconstruction of elementary schools (SD17, SD18, SD19, SD31, SD75, SD93 and SD97)	MOU, some schools are under construction
NGO (World Vision International)	Reconstruction of elementary schools (SD20, SD21, SD84, SD95 and SMA2)	MOU
NGO (Total EGU)	Reconstruction of elementary schools (SD27 and SD37)	MOU
NGO (HOPE Internationall)	Rehabilitation of SMP 17	Almost completed
NGO (Turky)	Construction of media center of teacher training	Planning
NGO (Jawa Group)	Reconstruction of an elementary school (SD80)	MOU
NGO (First Qatry)	Rehabilitation of a junior high school (SMPN4)	under construction
NGO (Concern)	Rehabilitation of elementary schools (SD8, SD83, SD102, MIN Rukoh)	Planning
NGO (CARDI/NRC Norway)	Reconstruction of elementary schools (SD68 and SD107)	MOU
NGO (FBA)	Rehabilitation of SD81, SD101 and SMPN15	MOU, some schools are under construction

Source: Education Department of NAD Province, Education Department of Banda Aceh City, Provincial BAPPEDA, UNICEF, etc

Table 2.5 List of Donor Assistancess by Elementary School (1/3)

No.	School Name	Kecamatan	Address	Donor	Progress	No.of Students before Tsunami in 2004	Latest number of students after Tsunami	Damage Level by tsunami			
								Severely destroyed (over 60 %)	Partially destroyed (30% to 60 %)	Slightly destroyed (20% to 30 %)	Normal conditions
1	2	3	4	5	6	7	8				
Elementary Schools											
1	SD.1	Kuta Raja	Jl. Prof A. Majid Ibrahim 1	PMI (Indonesian Red Cross)		450	196	1	0	0	0
2	SD.2	Meuraxa	Jl. Jeumpa Puteh (Punge Jurong)	Harian Suara Merdeka	40 % completed, Completion date is Sep. 05	392	166	1	0	0	0
3	SD.3	Baiturrahman	Jl. Tgk. Chik Ditiro (Peuniti)			246	197	0	0	0	1
4	SD.4	Kuta Alam	Jl. T.Nyak Arief CV. Puda, Kel.Kuta Alam			235	256	0	0	0	1
5	SD.5	Baiturrahman	Jl. Alaidin Johansyah, Seutui			166	189	0	0	0	1
6	SD.6	Kuta Raja	Jl. Tgk Muda Keudah	Unicef 200 schools (IOM)	Under construction	n.a	18 (15+)	1	0	0	0
7	SD.7	Kuta Raja	Jl. Prof A. Majid Ibrahim 1	PMI		354	223	1	0	0	0
8	SD.8	Kuta Raja	Jl. Tewk Raja Keumala	Concern	Planning	279	2	1	0	0	0
9	SD.9	Kuta Raja	Jl. Prof A. Majid Ibrahim 1	PMI		343	134	1	0	0	0
10	SD.10	Meuraxa	Jl. Jeumpa Puteh (Punge Jurong)	Suara Merdeka Semarang	40 % completed	380	146	1	0	0	0
11	SD.11	Meuraxa	Jl. Jeumpa Puteh (Punge Jurong)	Suara Merdeka Semarang	40 % completed	378	168	1	0	0	0
12	SD.12	Baiturrahman	Jl. T. Makam Pahlawan Peuniti			136	123	0	0	0	1
13	SD.13	Baiturrahman	Jl. Tgk. Chik Ditiro (Peuniti)			103	62	0	0	0	1
14	SD.14	Baiturrahman	Jl. Tgk. Chik Ditiro (Peuniti)			111	93	0	0	0	1
15	SD.15	Kuta Alam	Jl. T.Nyak Arief CV. Puda			241	204	0	0	0	1
16	SD.16	Baiturrahman	Jl. Alaidin Johansyah, Seutui			218	230	0	0	0	1
17	SD.17	Kuta Raja	Jl. Tgk Dianjong	IACO (International Aid and corporation Organization)	MOU	314	15	1	0	0	0
18	SD.18	Meuraxa	Jl. Punge Blang Cut	IACO	MOU	185	85	0	1	0	0
19	SD.19	Meuraxa	Jl. Punge Blang Cut	IACO	60 % completed	98	54	0	1	0	0
20	SD.20	Kuta Alam	Jl. Pocut Baren, Kp.Mulia	World vision	10 % completed	515	165	1	0	0	0
21	SD.21	Kuta Alam	Jl. Pocut Baren, Kp.Mulia	World vision	MOU	330	161	1	0	0	0
22	SD.22	Baiturrahman	Jl. Nyak Adam Kamil III	PMI	Planning	250	228	0	0	0	1
23	SD.23	Baiturrahman	Jl. T. Makam Pahlawan Peuniti			173	134	0	0	0	1
24	SD.24	Kuta Alam	Jl. P Nyak Makam	PGRI (Indonesia National Association for Teachers)	Planning	330	288	0	0	1	0
25	SD.25	Kuta Alam	Jl. Pari, Bandar Baru, Lamprit	Unicef		198	88	0	1	0	0
26	SD.26	Baiturrahman	Jl. Nyak Adam Kamil III			224	216	0	0	0	1
27	SD.27	Kuta Alam	Jl. Malahayati. Kl. Mulia	Total EGU	MOU	230	57	1	0	0	0
28	SD.28	Kuta Alam	Jl. Teuladan, Kl. Keuramat	Unicef	Planning	230	144	0	0	1	0
29	SD.29	Baiturrahman	Jl. Singgah Mata, Blower	Peti Kemas Surabaya	Planning	426	235	0	0	0	1
30	SD.30	Baiturrahman	Jl. Sekolah No.8 Ds.Labui	Unicef 200 schools (IOM)	Ready to construct	68	76 (86)	0	0	0	1
31	SD.31	Meuraxa	Jl. Punge Blang Cut	IACO	78 % completed	102	17	0	1	0	0
32	SD.32	Kuta Alam	Jl. SyiahKuala, Beurawe			219	200	0	0	0	1
33	SD.33	Baiturrahman	Jl. Tgk. Chik Ditiro (Peuniti)	Unicef	Planning	247	228	0	0	1	0
34	SD.34	Kuta Alam	Jl. P Nyak Makam	PGRI	Planning	270	298	0	0	1	0
35	SD.35	Kuta Alam	Jl. Sepat, Bandar Baru, lamprit	Unicef		194	32	0	1	0	0
36	SD.36	Kuta Alam	Jl. Masjid Al-Huda.Kp. Laksane	Unicef?		209	197	0	1	0	0
37	SD.37	Kuta Alam	Jl. Malahayati. Kp. Mulia	Total EGU	MOU	209	33	1	0	0	0
38	SD.38	Kuta Raja	Jl. Tewk Raja Keumala	PGRI	Planning	270	2	1	0	0	0
39	SD.39	Kuta Raja	Jl. Prof A. Majid Ibrahim 1	PMI		315	147	1	0	0	0
40	SD.40	Baiturrahman	Jl. Nyak Adam Kamil IV	Cina	Planning	174	191	0	0	0	1
41	SD.41	Baiturrahman	Jl. T. Makam Pahlawan Peuniti			133	129	0	0	0	1
42	SD.42	Baiturrahman	Jl. Tgk. Chik Ditiro (Peuniti)			214	141	0	0	0	1
43	SD.43	Baiturrahman	Jl. Blibis, Labui			161	165	0	0	0	1
44	SD.44	Kuta Alam	Jl. Yiah Kuala, Beurawe			130	134	0	0	0	1
45	SD.45	Kuta Alam	Jl. Sy Kuala Lambaro Skep	Unicef 200 schools (IOM)	Under construction	167	23 (42+)	1	0	0	0
46	SD.46	Meuraxa	Jl. Sultan Isk. Muda, Ulelheu			95	15	1	0	0	0
47	SD.47	Meuraxa	Jl. Sultan Isk. Muda, Ulelheu	((a temporary school set up))		177	22	1	0	0	0
48	SD.48	Meuraxa	Deah Gumpang			60	10	1	0	0	0
49	SD.49	Jaya Baru	Deah Gumpang			203	1	1	0	0	0
50	SD.50	Banda Jaya	Jl. Residen Danu Brata,	Bank Jabar	80 % completed	436	424	0	1	0	0
51	SD.51	Jaya Baru	Jl. Geuceu Menara, Ketapang	Unicef	Planning	188	51	0	0	0	1
52	SD.52	Banda Raya	Jl. K. Mahmud, Ds.	Unicef	Planning	64	51	0	0	0	1
53	SD.53	Lueng Bata	Jl. T Imum. Lueng Bata			180	229	0	0	0	1
54	SD.54	Syiah Kuala	Jl. T Nyak Arief, Peurada	Harian Analisa	MOU	386	94	1	0	0	0
55	SD.55	Syiah Kuala	Jl. Kp. Pineung			91	186	0	0	0	1
56	SD.56	Ulee Kareng	Jl. Ulee Kareng			285	266	0	0	0	1

Table 2.5 List of Donor Assistancess by Elementary School (2/3)

No.	School Name	Kecamatan	Address	Donor	Progress	No of Students before Tsunami in 2004	Latest number of students after Tsunami	Damage Level by tsunami			
								Severely destroyed (over 60 %)	Partially destroyed (30% to 60 %)	Slightly destroyed (20% to 30 %)	Normal conditions
1	2	3	4	5	6	7	8				
57	SD.57	Syiah Kuala	Ds. Beurabung, Darussalam (Jl. Baru Ds. Brabong)			100	136	0	0	0	1
58	SD.58	Syiah Kuala	Jl. Kuala Aceh, Alue Naga			161	39	1	0	0	0
59	SD.59	Jaya Baru	Jl. Sri Raja Pakeh. Bital	Pelajar Indonesia di amerika, Unicef	Planning	100	59	1	0	0	0
60	SD.60	Kuta Raja	Jl. Tgk Dikandang, Kp. Pandee	Unicef	Planning	143	17	1	0	0	0
61	SD.61	Syiah Kuala	Jl. T Nyak Arief, Ds. Lingke	Lion Club	5 % completed	165	86	1	0	0	0
62	SD.62	Lueng Bata	Jl. Ir M Tahir Cot Masjid			234	291	0	0	0	1
63	SD.63	Baiturrahman	Jl. Residen Danu Brata,	Bank Jabar	Planning	173	191	0	0	0	1
64	SD.64	Lueng Bata	Jl. Ateuk Jawo, atek Jawo	Unicef 200 schools (IOM)	Ready to construct	97	108 (108)	0	0	0	1
65	SD.65	Kuta Alam	Jl. Sisingamangaraja, Lampulo	Coca Cola, ((a temporary school set up))	MOU	250	17	1	0	0	0
66	SD.66	Ulee Kareng	Jl. Llie Ulee Karing, Ds. Llie	Unicef	Planning	127	140	0	0	0	1
67	SD.67	Kuta Alam	Jl. P Nyak Makam			306	330	1	0	0	0
68	SD.68	Syiah Kuala	Jl. Lamgugop. Ds. Lamgugop	CARDI/NRC	MOU	75	85	0	0	0	1
69	SD.69	Syiah Kuala	Jl. Rukoh, Darussalam			236	132	0	1	0	0
70	SD.70	Kuta Raja	Jl. Peurelak, Kp. Jawa			260	21	1	0	0	0
71	SD.71	Banda Raya	Jl. Mesjid Mibo, Ds. Mibo			208	209	0	0	0	1
72	SD.72	Baiturrahman	Jl. Blibis, Labui			77	58	0	0	0	1
73	SD.73	Baiturrahman	Jl. Blibis, Labui	PMI	Planning	70	70	0	0	0	1
74	SD.74		Jl. Rama Setia, Deah Glumpang			115	11	1	0	0	0
75	SD.75	Jaya Baru	Jl. Jend. Sudirman. Sp.III	IACO	90 % completed	225	177	0	1	0	0
76	SD.76	Ulee Kareng	Jl. T.H. Adam. Ds. Doy			97	130	0	0	0	1
77	SD.77	Baiturrahman	Jl. Nyak Adam Kamil III			135	144	0	0	0	1
78	SD.78	Meuraxa	Jl. Sultan Isk. Muda, Blang Oi			n.a.	0	1	0	0	0
79	SD.79	Ulee Kareng	Jl. Pango Raya			91	107	0	0	0	1
80	SD.80	Syiah Kuala	Jl. T. Nyak Arief. Peurada	JAVA GROUP	MOU	348	144	1	0	0	0
81	SD.81	Syiah Kuala	Jl. Tibang, Ds. Tibang	FBA,Coca Cola ((a temporary school set up))	MOU	155	68	1	0	0	0
82	SD.82	Syiah Kuala	Jl. T. Nyak Arief. Darussalam			398	403	0	0	0	1
83	SD.83	Syiah Kuala	Jl. Rukoh, Ds.Rukoh	Concern	Planning	97	107	1	0	0	0
84	SD.84	Kuta Alam	Jl. Sy Kuala Lambaro Skep	World vision	MOU	230	36	1	0	0	0
85	SD.85	Lueng Bata	Jl. T Imum. Lueng Bata			180	219	0	0	0	1
86	SD.86	Lueng Bata	Jl. T Imum. Lueng Bata			197	221	0	0	0	1
87	SD.87	Meuraxa	Jl. Sultan Isk. Muda, Ds. Lambung			240	16	1	0	0	0
88	SD.88	Meuraxa	Jl. Sultan Isk. Muda, Ulelheu			90	16	1	0	0	0
89	SD.89	Jaya Baru	Jl. Lambadeuk, Asso Nanggroe	Unicef 200 schools (IOM) (SD9)	Under construction	55	20 (15+)	1	0	0	0
90	SD.90	Meuraxa	Jl. Sultan Isk. Muda, Ulelheu			125	0	1	0	0	0
91	SD.91	Meuraxa	Jl. Rama Setia			n.a.	16	1	0	0	0
92	SD.92	Meuraxa	Jl. Rama Setia, Deah Baro			n.a.	18	1	0	0	0
93	SD.93	Jaya Baru	Jl. Pemancar, Lamteumen	IACO	MOU	303	189	0	1	0	0
94	SD.94	Jaya Baru	Jl. Lambadeuk, Asso Nanggroe	Unicef 200schools (IOM) (SD89)	Under construction	112	23 (15+)	1	0	0	0
95	SD.95	Meuraxa	Gampong Baru, Lamjabat	World Vision	MOU	169	14	1	0	0	0
96	SD.96	Baiturrahman	Jl. Batik. Neusu Aceh	Unicef 200 schools (IOM), ((a temporary school set up))	Ready to construct	116	200 (125)	1	0	0	0
97	SD.97	Jaya Baru	Jl. Pemancar, Lamteumen	IACO	80 % completed	166	128	0	1	0	0
98	SD.98	Meuraxa	Jl. Mughtar, lampaseh	Unicef	Planning	189	2	1	0	0	0
99	SD.99	Syiah Kuala	Jl. Kuala Aceh, Alue Naga			171	55	1	0	0	0
100	SD.100	Syiah Kuala	Jl. Alue Naga, Ds. Alue Naga			254	71	1	0	0	0
101	SD.101	Jaya Baru	Jl. Abdul Rahman, Lamjame	Forum Bangun Aceh	20 % completed	236	8	1	0	0	0
102	SD.102	Kuta Alam	Jl. Syiah Kuala, Lamdingin	Concern	Planning	98	44	1	0	0	0
103	SD.103	Kuta Raja	Jl. Tgk Jalil, Kp. Pandee			85	44	1	0	0	0
104	SD.104	Ulee Kareng	Jl. Tgk Musa, Lamteh			185	233	0	0	0	1
105	SD.105	Ulee Kareng	Jl. Ceurih, Ds Ceurih			174	277	0	0	0	1
106	SD.106	Syiah Kuala	Jl. Rukoh, Ds.Rukoh	Pemerintah rumania	Planning	68	85	1	0	0	0
107	SD.107	Lueng Bata	Jl. Lampoh Bungong, Batoh	CARDI/NRC	MOU	86	146	0	0	0	1
108	SD.108	Banda Raya	Jl. Peulanggan, Lhong Cut			184	269	0	0	0	1
109	SD.109	Meuraxa	Jl. Sekolah, Ds Cot			80	103	1	0	0	0
110	SD.110	Banda Raya	Jl. Lhong Raya			360	384	0	0	0	1
Sub-Total of Public Elementary Schools						8,596	5,766	51	11	4	44

Table 2.5 List of Donor Assistances by Elementary School (3/3)

No.	School Name	Kecamatan	Address	Donor	Progress	No. of Students in 2004 before Tsunami	Latest number of students after Tsunami	Damage Level by tsunami			
								Severely destroyed (over 60 %)	Partially destroyed (30% to 60 %)	Slightly destroyed (20% to 30 %)	Normal conditions
1	2	3	4	5	6	7	8				
111	SDLB-Labui	Lueng Bata	Jl. Blibis, Labui			98	45	0	0	0	1
112	SD kartika 1-6	Kuta Alam	Jl. Gabus Bandar Baru			616	420	0	1	0	0
113	SD kartika 1-7	Baiturrahman	Jl. Nyak Adam kamil II, Neusu			315	359	0	0	0	1
114	SD Karya Budi (Iskandar Muda)	Baiturrahman	Jl. Sultan Isk. Muda			209	22	0	1	0	0
115	SD. Seita	Kuta Alam	Jl. T.P.Polem, Peunayong			n.a.	0	1	0	0	0
116	SD. Methodist	Kuta Alam	Jl. Pucot Baren			n.a.	26	0	1	0	0
117	SD. Bhayangkari	Jaya Baru	Jl. Teuku Umar, Lamteumen			389	180	0	1	0	0
118	SD.Muh-1	Kuta Raja	Jl. Prof A. Majid Ibrahim 1	Unicef 200 schools (IOM), ((a temporary school set up))	Ready to construct	193	68 (115)	1	0	0	0
119	SD.Muh-2	Kuta Raja	Jl. Prof A. Majid Ibrahim 1	Unicef 200 schools (IOM), ((a temporary school set up))	Ready to construct	112	73 (90)	1	0	0	0
120	SD.Muh-3	Meuraxa	Jl. Patimura No.37, Blower			93	92	0	1	0	0
Sub-Total of Private Elementary Schools						2,025	1,144	3	5	0	2
Sub-Total of Elementary Schools						23,403	15,141				
Islamic Elementary Schools											
1	MIN Banda Aceh	Kuta Alam	Jl. Syiah Kuala No.9					0	0	1	0
2	MIN Teladan Banda Aceh	Jaya Baru	Jl. Cut Nyak Dhien	DAK	MOU			0	1	0	0
3	MIN Merduati	Kuta Alam	Jl. T. Hasyim Banta Muda No.19					1	0	0	0
4	MIN Seutuy	Baiturrahman	Jl. St Alaidin Johansyah					0	0	0	1
5	MIN Ulee Lheue	Meuraxa	Jl.sultan Iskandarmuda					1	0	0	0
6	MIN Mesjid Raya banda Aceh	Baiturrahman	Jl. TM Pahlawan LR MIN					0	0	0	1
7	MIN No.1 Lhong Raya	Meuraxa	Jl.Tgk Dilhong II					0	0	0	1
8	MIN Ulee Kareng	Syiah Kuala	Le Masen Ulee kareng					0	0	0	1
9	MIN Lambhuk	Syiah Kuala	Jl. Dr.T.Syarif Thahib 18					0	0	0	1
10	MIN Sukadamai	Baiturrahman	Jl. Kutilang No.7					0	0	0	1
11	MIN Rukoh	Syiah Kuala	Jl. Lingkar Kampus	Coucern	Planning			1	0	0	0
12	MIS Lamgugob	Syiah Kuala	Desa Lamgugob					0	0	0	1
Sub-Total of Islamic Elementary Schools								3	1	1	7

Source: Education Department of NDA Province, Education Department of Banda Aceh City, Religion Department of Banda Aceh City
 Remark: Each Sub-Total does not include schools data not available (n.a.).

Table 2.6 List of Donor Assistances by Junior High School and by Senior High School (1/2)

No.	School Name	Locations	address	Donor	Progress	No.of Students before Tsunami in 2004	Latest number of students after Tsunami	Damage Level by tsunami			
								Severely destroyed (over 60 %)	Partially destroyed (30% to 60 %)	Slightly destroyed (20% to 30 %)	Normal conditions
1	2	3	4	5	6	7	8				
Junior High School											
1	SMPN1	Meuraxa	Jl.Prof.Amajid Ibrahim I	Gudang Garam (cigaret company)	Planning	1,540	890	1	0	0	0
2	SMPN2	Kuta Alam	Jl. Utama Lampriet	Gov. of Yemen	MOU	1,015	599	0	1	0	0
3	SMPN3	Baiturrahman	Jl. Nuak adam Kamil 3			1,276	1,301	0	0	1	0
4	SMPN4	Kuta Alam	Jl.Peukan Baro Peunayong	First Party (Japanese NGO)	under construction	631	287	1	0	0	0
5	SMPN5	Meuraxa	Jl. S. Ikandar Muda	ADBP		706	94	1	0	0	0
6	SMPN6	Kuta Alam	Jl. Tgk. Abu Lam U	Gov. of Yemen	MOU	892	727	0	1	0	0
7	SMPN7	Banda Raya	Jl. Jambo Aye			891	840	0	0	0	1
8	SMPN8	Syiah Kuala	Jl. Inong Bale, Kopelma			636	403	0	1	0	0
9	SMPN9	Kuta Alam	Jl. Peukan Baro	Pemda Banjar Negara (Local Gov. of	under construction	657	198	1	0	0	0
10	SMPN10	Ulee Kareng	Jl. Poutemerehom Lamteh			473	470	0	0	0	1
11	SMPN11	Meuraxa	Jl.Tgk. Chik Lot Aroh	JICS	MOU	413	69	1	0	0	0
12	SMPN12	Kuta Raja	Jl. Pawang Itam Kp.Jawa			349	44	1	0	0	0
13	SMPN13	Lueng Bata	Jl. Tak Imum Lueng Bata			419	431	0	0	0	1
14	SMPN14	Syiah Kuala	Alve Naga			162	54	1	0	0	0
15	SMPN15	Jaya Baru	Lanjame	Forum Bangun	MOU	154	58	1	0	0	0
16	SMPN16	Kuta Alam	Jl. Sisingamanga Rafa			174	88	1	0	0	0
17	SMPN17	Baiturrahman	Jl. St. Iskandar Muda	Hope international (US NGO)	completed	864	523	0	1	0	0
18	SMPN18	Kuta Alam	Jl. Tgk. Chik Dipineung			267	276	0	0	0	1
Sub-Total of Public Junior High Schools						11,519	7,352	9	4	1	4
19	SMPS Percontohan	Banda Raya	Lamlagang			234	185	0	0	0	1
20	SMPS Cut Meutia	Baiturrahman	Jl. Tgk. Chik Di Tiro			112	126	0	0	1	0
21	SMPS Budi darma(Iskandar Muda)	Kuta Raja	Jl. St. Iskandar Muda			n.a.	239	0	1	0	0
22	SMPS Bayang kari	Jaya Baru	Jl. Teuku Umar			108	76	0	0	1	0
23	SMPS Islam	Kuta Alam	Jl. Syiah Kuala			164	104	0	0	1	0
24	SMPS Inshafuddin	Kuta Alam	Jl. Mujair			n.a.	200	1	0	0	0
25	SMPS Methodist	Kuta Alam	Jl. Pocut Baren			168	162	0	1	0	0
26	SMPS Kantika	Baiturrahman	Jl. Nyak adam Kamil 2			329	127	0	0	1	0
27	SMPS Lik Muda	Meuraxa	Jl. Lampasah			86	39	1	0	0	0
28	SMPS Muhd. Diyah	Kuta Raja	Jl. Prof. Majid Ibrahim I			107	107	1	0	0	0
29	SMP LB YPAC	Kuta Alam	Jl. Pocut Baren			n.a.	10	1	0	0	0
30	SMP LB YPPC	Baiturrahman	Jl. Tgk. Chik Di Tiro			n.a.	15	0	0	1	0
Sub-Total of Private Junior High Schools						1,308	1,390	4	2	5	1
Sub-Total of Junior High Schools						12,827	8,742				
Islamic Junior High Schools											
1	MTsN Meuraxa	Meuraxa	Jl. Tgk. Chik Mahraja					1	0	0	0
2	MTsN Banda Aceh II	Lueng Bata	Jl. Tgk. Imum Lueng Bata					0	0	0	1
3	MTsN Banda Aceh I	Kuta Alam	Jl. Pacun Baren No.114					0	0	1	0
4	MTsN Rukoh	Syiah Kuala	Jl. Lingkar Kampus IAIN					0	1	0	0
5	MTsN Ulumul Qur'an	Kuta Alam	Jl. Banda Aceh Medan KM 6					0	0	0	1
6	MTsN Muhammadiyah	Baiturrahman	Jl. Prof. A. Majid Ibrahim No.27					1	0	0	0
7	MTsN Darussyari'ah	Baiturrahman	Komplek Manjid Raya					0	0	1	0
8	MTsN Babunnajah	Ulee Kareng	Jl. Keubon Raja					0	0	0	1
9	MTsN Darul Ulum	Kuta Alam	Jl. Syiah Kuala No.5					0	0	1	0
Sub-Total of Islamic Junior High Schools								2	1	3	3
Senior High school											
1	SMAN1	Meuraxa	Jl. Prof. A. Majid Ibrahim	Bantuan Wapres (Vice President of Gov. of Indonesia)	Planning	1,132	832	0	0	1	0
2	SMAN2	Kuta Alam	Jl. Laks Malahayati	JICS, Pirally Group (Italy oil company)	MOU	1,475	739	1	0	0	0
3	SMAN3	Kuta Alam	Jl. Dnud Beueueh			1,500	1,270	0	0	1	0
4	SMAN4	Kuta Alam	Jl. P. Nyak Makam			1,490	1,298	0	0	1	0
5	SMAN5	Syiah Kuala	Jl. Inong Bale			1,132	988	0	0	1	0
6	SMAN6	Meuraxa	Jl. Tgk. Chik Cut Aron	JICS	Planning/MOU	528	199	1	0	0	0
7	SMAN7	Banda Raya	Geuce Kompleks			1,092	882	0	0	1	0
8	SMAN8	Kuta Alam	Jl. Chik Di Pineung			883	741	0	0	1	0
9	SMAN9	Banda Raya	Kompl. Sadion Harapan			457	473	0	0	1	0
10	SMAN10	Lueng Bata	Ateuk Jawa			181	182	0	1	0	0
11	SMAN11	Lueng Bata	Jl. Chik Di Tiro			658	454	0	0	0	1
12	SMAN12	Kuta Alam	Jl. P. Nyak Makam			523	225	0	0	0	1
Sub-Total of Public Ordinary Seniore High Schools						11,051	8,283	2	1	7	2
13	SMK I	Kuta Alam	Jl. P. Nyak Makam	German Gov.	MOU	760	429	0	1	0	0
14	SMK II	Kuta Alam	Jl. P. Nyak Makam	German Gov.	MOU	56	820	1	0	0	0
15	SMK III	Kuta Alam	Jl. Stadion H. Dimurtala	German Gov.	MOU	n.a.	350	0	1	0	0
16	SMK IV	Kuta Alam	Jl. Sisingamanga Rafa			103	64	1	0	0	0
Sub-Total of Public Vocational Seniore High Schools						919	1,663	2	2	0	0
Sub-T total of Public Seniore High Schools						11,970	9,946				

Table 2.6 List of Donor Assistances by Junior High School and by Senior High School (2/2)

No.	School Name	Locations	address	Donor	Progress	No. of Students before Tsunami in 2004	Latest number of students after Tsunami	Damage Level by tsunami			
								Severely destroyed (over 60 %)	Partially destroyed (30% to 60 %)	Slightly destroyed (20% to 30 %)	Normal conditions
1	2	3	4	5	6	7	8				
17	SMA Adi Dharma	Kuta Alam	Jl. Pelangi			368	141	1	0	0	0
18	SMA Al.misbah	Meuraxa	Jl. A. Majid Ibrahim			114	78	1	0	0	0
19	SMA Granada Pgri	Kuta Alam	Jl. Chik Di Pineung			147	155	1	0	0	0
20	SMA Isk Muda	Meuraxa	Jl. Lampaseh			167	50	1	0	0	0
21	SMA Islam	Kuta Alam	Jl. Syiah Kuala			77	52	0	0	1	0
22	SMA Inshafuddin	Kuta Alam	Jl. Mujair			158	52	1	0	0	0
23	SMA Muhammadiyah	Banda Raya	Jl. Utong Bate-Seutui			362	423	0	1	0	0
24	SMA Safiatuddin	Kuta Alam	Jl. Pocut Baren			250	160	0	1	0	0
25	SMA YPTP I	Meuraxa	Jl. A. Majid Ibrahim I			218	107	0	1	0	0
26	SMALB YPPC		Santan, Aceh Besar			n.a.	20	0	0	0	1
27	SMK Muhtiyah	Banda Raya	Jl. Utong Bate-Seutui			121	106	0	0	0	1
28	SMA Cut Muvtia	Baiturrahman	Jl. Tgk. Chik Di Tiro			143	148	0	0	0	1
29	SMA Iskandar Muda	Meuraxa	Jl. St. Iskandar Muda			60	50	1	0	0	0
30	SMA Katolik BD	Baiturrahman	Jl. St. Iskandar Muda			n.a.	42	0	0	1	0
31	SMA Meugayatsyah	Kuta Alam	Jl. Daud Beureueh 69 Mrtro			33	50	0	0	1	0
32	SMA Methodist	Kuta Alam	Jl. Pocut Baren			143	150	0	1	0	0
33	SMA Kartika	Baiturrahman	Jl. Nyak Adam Kamil			106	170	0	0	0	1
34	SMALB YPAC	Kuta Alam	Jl. Pocut Baren			20	10	0	0	0	1
35	SMAL.T. Nyak Arief	Banda Raya	Jl.Sudirman			48	125	0	0	0	1
Sub-Total of Private Senior High Schools						2,487	2,089				
Sub-Total of Senior High Schools						14,457	12,035				
Islamic Senior High school											
1	MAN2 Banda Aceh	Meuraxa	Jl. Cut Nyak Dhien No.590					0	1	0	0
2	MAN Model Banda Aceh	Kuta Alam	Jl.Pocut Baren No.116					0	1	0	0
3	MAN Rukoh	Syiah Kuala	Jl. Ar-Raniry No.1					0	1	0	0
4	MAS Babunnajah	Ulee Kareng	Jl.Kebon Raja					0	0	0	1
5	MAS Darul 'Ulum YPUI Banda Aceh	Kuta Alam	Jl. Syiah Kuala No.5Banda Aceh					0	0	1	0
6	MTsN Darussyari'ah	Baiturrahman	Komplek Manjid Raya					0	0	1	0
Sub-Total of Islamic Senior High Schools								0	3	2	1

Source: Education Department of NDA Province, Education Department of Banda Aceh City, Religion Department of Banda Aceh City

Remark: Each Sub-Total does not include schools data not available (n.a.).

2.4 ISSUES TO BE RESOLVED IN EDUCATION SECTOR AFTER THE TSUNAMI

(1) Loss of the School Infrastructures

The school infrastructures in NAD Province have been lost or damaged twice; the first by the conflict and the second by the tsunami. The damaged or lost school buildings are urgently needed to rehabilitate or reconstruct not to discontinue giving lessons.

(2) School Age Orphans and widowed Mother

Many school age children have been orphaned by the tsunami. The orphans need the place to live in and the persons to support. The disaster has also widowed many mothers, who have required learning how to earn their livelihood and take care of their children. There should be some mechanism for those children to go to school normally despite the difficulties.

(3) Low Quality of the School Education

Both of students' achievements and teachers' performances in the Province including Banda Aceh city have ranked as one of the lowest level in Indonesia. In addition many teachers have been

affected by the tsunami. Accordingly, the education level became rather worse. Pre-service and In-service teachers training is needed to improve for upgrading school education quality.

(4) Level Down of the Education Administration

The Education Department of NAD Province had made efforts to upgrade the capacities of the education administrators by overseas training sessions. However, out of 70 trainees who had participated in the training sessions, 64 education administrators were killed by the tsunami disaster. The well-trained administrators are needed to reconstruct the education administration.

CHAPTER 3 MASTER PLAN FORMULATED BY MONE AFTER THE TSUNAMI

This chapter shows a digest of a Master Plan for Rehabilitation and Reconstruction in NAD Province, which has been formulated by MONE. The Master Plan is in accordance with Blue Prints prepared BAPENAS. The master plan was approved by the President of Government of Indonesia on May, 2005.

3.1 OBJECTIVES AND SCOPE

The planning of the master plan aims at rebuilding NAD and North Sumatra communities through the followings.

- a) To provide basic living necessities of the communities such as clothes, food and housing
- b) To provide human basic social services especially in health, education and religion as well as in demography and in family planning including women empowerment, children protection, and youth sport
- c) To restore the value of local cultures as well as to support the growth of the local economy

The Master Plan covers the following scope.

- a) Recovering and improving the quality of teaching and learning process through rehabilitating and reconstructing the educational service facilities in formal and in non-formal education
- b) Training for the educators and non-educative staffs including recruiting temporary teacher assistants to keep education going during the receptive emergency phase
- c) Providing guidance and counseling for the students, educators and non-educative staffs in order to eliminate the trauma due to the disaster
- d) Providing scholarships for students and waiving tuition fees for those who are in the refugee camp
- e) Reforming the teaching and learning processes to improve quality and relevancy of learning in the tsunami hit area
- f) Empowering the local communities to participate actively in setting up a continuing and more qualified education recovery, and in providing sufficient systems of information

The period of Master Plan is from 2005 to 2009.

3.2 STRATEGY OF THE MASTER PLAN

The Master Plan has the following strategy.

- a) Revitalizing the existence of social life and religiosity
- b) Revitalizing traditions, and cultural-arts activities
- c) Conserving arts and culture inheritance of the communities
- d) Helping the trauma victims of the disaster to return into normal life with dignity
- e) Helping the ailing, the wounded, the infirm, the orphans, the disabled and the widows
- f) Helping children to return to schools and continue the study
- g) Improving protection for women and children

3.3 ACTIVITY PLANNING

The education sector in post disaster NAD and North Sumatra will be handled through the following principals.

(1) Community-centered

Efforts in providing education services through various means, all kinds and at all levels must be set responsive to community demands and to all education participants. The strategy of education recovery emphasizes community welfare while still responding other community demands.

(2) Part of the National Middle Term Planning

Managing education in Aceh and North Sumatra is a part of the national middle term planning in the education sector. To response to the emergency conditions, the education development strategy must stand upon the national and regional policies in order to assure sustainable development.

(3) Referring to lessons-learnt and good practices

Managing education in Aceh and North Sumatra consistently refers to lessons-learnt and good practices. This means that the strategy of implementation must be derived from the good experiences. The noteworthy practices made by any education actors are recycled to set up more effective and essential policies and decision-making for up-coming action -plans.

(4) Accountability and Efficiency

Managing education in Aceh and North Sumatra must take into account accountability and efficiency. To assure that the practices within the rehabilitation and reconstruction phases are considered accountable and efficient, the implementation of the action-plans must use a reasonable budget and make no unnecessary expenses.

(5) Away from discrimination

Managing education in Aceh and North Sumatra must be away from discrimination upon the people. The education services ought to ensure equality in access opportunity to all members in the community. Some directions are stated here:

- a) Incompleteness in any documents such as certificates, school reports, origin identity, and birth-date note should not limit children to get into education:
- b) Education should not limit the school-age:
- c) Education should retrieve those who are dropped out to school again:
- d) Education should give much more attention disadvantaged and group of vulnerable children.

3.4 PROJECT COMPONENT

The planning of the rehabilitation and reconstruction differs in seven main component, they are:

- To provide facilities for educational services
- To give guidance and counseling
- To give scholarships to education participants
- To reform the classroom teaching and learning process
- To repair the system of information in education
- To assess, monitor and evaluate the implementation of the program

(1) Providing Facilities for Educational Services

1) Emergency phase

- a) Providing the facilities for emergency education including tents and emergency schools
- b) Clearing out the remain damages in education facilities
- c) Recruiting temporary educators and other educative staffs including volunteer empowerment
- d) Providing mobility tools to support teaching and learning processes
- e) Bringing together all orphans to get into education

2) Rehabilitation phase

- a) Rehabilitating facility units in terms of equipment in formal and non-formal education as well as in some supporting education institutions such as Quality Assurance in Education Institution (LPMP), learning activity workshops (SKB), Teaching and Learning training center (BPKB), Early Age Education Institution (PADU)

- b) Recruiting temporary educators and other educative staffs, including volunteer empowerment
 - c) Training educators and other educative staffs
 - d) Providing books and other educative equipment including sport and game equipment as well as administrative equipment
- 3) Reconstruction phase
- a) Continuing the rehabilitation of education facility units and developing new education units, including unit of boarding school education
 - b) Recruiting permanent educators and other educative staffs, including volunteer empowerment
 - c) Training educators and other educative staffs
 - d) Providing books and other education equipment including sport and game equipment and administrative equipment
- (2) Providing Guidance and Counseling for Education Participants
- 1) Identifying external institutions which are willing to help in handling trauma post disaster
 - 2) Training on handling post disaster trauma for teachers and volunteers
 - 3) Providing educative tools used for handling post disaster trauma
- (3) Providing Scholarship for Students

The national government is obliged to secure their future continuity by waving all education fees, providing a place to live, and giving living allowances to children who have no family any more.

(4) Reforming the Classroom Teaching and Learning Process

Developing school curriculum is an action plan to increase the students' knowledge and skills in both formal and non-formal education. The curriculum development includes the purposes, the materials, the methodology and the teaching techniques, the teaching and learning materials, and the assessment of learning results.

Formal training and non-formal training are considered significant for both educators and educative staffs including volunteers, and should be conducted in stages based on the fact needs. Training practices need to be conducted intensively to enable educators to teach the students better and even much better than handle the post disaster mental and emotional difficulties.

For the above needs, the following actions needed to implement.

- Developing the curriculum including on training materials is not only concerned with training materials, but also with the methodology, the pedagogy, child development, understanding of diversity, teaching children with special needs, understanding human rights and children rights, peace education, life-skills education, community empowerment, and handling of refugees

- Conducting training sessions periodically
- Assessing training materials in stages to find out whether the given materials are relevant to the needs of the education participants, the teachers, and the community, and to make revision if necessary.

(5) Repairing the System of Information in Education

- Training on methodology to collect data and to analyze data in order to ensure the accuracy of data and accurate planning of the up-coming action plans
- Providing information system equipment including computers and internet access
- Collecting educative data and information on both formal and non-formal education in terms of academic and non-academic matters

(6) Skill Development

The activities cover efforts to develop vocational and entrepreneurship training for young and middle-aged people as a form of setting up transition from educative schooling to the world of work. The training materials are concerned with:

- Parent's roles and responsibilities to help students in learning
- Community members' roles and responsibilities to manage learning environment
- Mobilization and management of resources
- Maintenance of education facilities

(7) Assessment, Monitoring and Evaluation

1) System of assessment

Assessment of the implementation programs at all phases is done regularly and continuously to assure that the activities fulfill needs.

2) System of monitoring

- a) To develop a monitoring system that can detect all deviated actions as soon as possible and to secure it immediately
- b) To implement the monitoring system by involving all community members such as children, male and female disaster victims
- c) To repair regularly the system of information and the data base to identify any newest tendencies for policy making
- d) To provide information regularly about data and other information changes for decision making

- e) To adapt the programs based on the results of monitoring when it is needed

3) System of evaluation

- a) To evaluate the policies, the programs, and the impacts through qualitative and quantitative approaches to describe the impacts of the actions as a whole
- b) To involve all potential stakeholders to take part in all evaluation activities such as central and local governments, education actors, and community members including the marginalized community
- c) To provide information transparently and impartially from all relevant stakeholders such as community disaster victims and parties from other relevant sectors
- d) To disseminate lessons learnt and good practices regionally, nationally and internationally experiences in handling similar problems

3.5 REHABILITATION AND RECONSTRUCTION PLAN

The rehabilitation and reconstruction plan is considered based on the National Development Programs (APBN 2005).

The plan consists of the following programs (Table 3.1)

- a) Early age children education program
- b) Nine years compulsory education program
- c) Secondary education program
- d) Higher education program
- e) Non-formal education program
- f) Educators and non-educative staff quality improvement program
- g) Education research and development program

Table 3.1 Summary of Rehabilitation and Reconstruction Programs (1/2)

Program	Quantitative Targets	Target Group	Scope of Activity	Critical Success Indicators
Early Age Children Education Program (including kindergarten, Islamic kindergarten PAUD center and reading Al Qur'an institutions)	<ul style="list-style-type: none"> Educational emergency services are provided for early age children in the disaster areas. PAUD facility services are provided in sufficient quantity and quality. Education participants return to PAUDA education system. 	<p>a) Disaster victims of children who need early age education program</p> <p>b) Facilities and PAUD infrastructure</p>	<ol style="list-style-type: none"> Providing emergency educational services for early age children Providing trauma counseling Providing teaching and leaning materials such as books and other materials for PAUD services Providing scholarships for those left by the parents including living allowance Rehabilitating and reconstructing PAUD infrastructures Assessing, monitoring, and evaluating the whole program 	<ul style="list-style-type: none"> All disaster victims of children who need PAUD services are handled well. Facilities and instruments for PAUD emergency services function normally. Rehabilitation and development of PAUD facilities are implemented.
Nine Years Compulsory Education Program (including primary education level and lower secondary level schools/Islamic lower secondary schools/package B equivalent to lower secondary education level)	<ul style="list-style-type: none"> Educational emergency services are provided for primary education. Primary education facility services are provided in sufficient quantity and quality. Education participants return to the primary education system. 	<p>a) Disaster victims of children who need primary education service program</p> <p>b) Facilities and infrastructures of primary schools/Islamic primary schools/special primary schools and lower secondary schools/Islamic lower secondary schools</p>	<ol style="list-style-type: none"> Providing emergency educational services for primary school students Providing trauma counseling Providing teaching and leaning materials such as books and other education equipment Providing scholarships for students affected by the disaster and living allowances for those left by the parents due to the tsunami Rehabilitating and reconstructing basic education facilities and infrastructures such as libraries and laboratories Assessing, monitoring, and evaluating the whole program 	<ul style="list-style-type: none"> All children hit by the disaster who need primary education services are handled well. Facilities and infrastructure for primary education receptive emergency services function normally. Rehabilitation and development of primary education facilities are accomplished.
Secondary Education Program (including upper secondary schools/vocational secondary schools/Islamic upper secondary schools)	<ul style="list-style-type: none"> Educational emergency services are provided for secondary education. Secondary education facility services are provided in sufficient quantity and quality. Education participants return to the secondary education system. 	<p>a) Schooling-aged children hit by the disaster who need secondary education services</p> <p>b) Facilities and PAUD infrastructure</p>	<ol style="list-style-type: none"> Providing emergency educational services Providing trauma counseling Providing teaching and leaning materials such as books and other education equipment Providing scholarships for students affected by the disaster including allowances Rehabilitating and reconstructing secondary education facilities and libraries and laboratories Providing operation funds to secondary schools Assessing, monitoring, and evaluating the whole program 	<ul style="list-style-type: none"> All children hit by the disaster who need secondary education services are handled well. Facilities and infrastructure for secondary education receptive emergency services function normally. Rehabilitation and development of secondary education and vocational education facilities are implemented.
Higher Education Program	<ul style="list-style-type: none"> Educational emergency services are provided for higher education in disaster areas. Rehabilitation and reconstruction of facilities are implemented in higher education institutions, including general higher education institutions (PT) as well as Islamic higher education institutions. 	<p>a) University students affected by the disaster including refugees and other students who study in other non-disaster areas who need higher education services</p> <p>b) Facilities and infrastructures of higher education institutions</p>	<ol style="list-style-type: none"> Providing emergency educational services Providing trauma counseling Providing teaching and leaning materials such as books and other education equipment Providing scholarships for students affected by the disaster including allowances Rehabilitating and reconstructing higher education institution facilities and infrastructures such as libraries and laboratories Providing operation funds to higher education Assessing, monitoring, and evaluating 	<ul style="list-style-type: none"> University students affected by the disasters who need higher education services are well covered. Facilities and infrastructures for higher education services function normally. Rehabilitation and development of higher education facilities are accomplished.

Table 3.1 Summary of Rehabilitation and Reconstruction Programs (2/2)

Program	Quantitative Targets	Target Group	Scope of Activity	Critical Success Indicators
Non-Formal Education Program	<ul style="list-style-type: none"> Educational emergency service for non-formal education including Package Services, Package B, Package C, functional literacy, and on the job training in disaster areas are provided. Temporary facilities of non-formal education services are available (post-co/emergency tents). Rehabilitation and reconstruction of non-formal education infrastructures are accomplished, including . Rehabilitation of community learning activity center (PKBM), learning activity workshop center(BPKB), and course institutions damaged by the disaster, and . Non-formal education institutions function normally 	a) Community members affected by the disaster, including refugees who need non-formal education services b) Non-formal education facilities and infrastructures	1) Providing emergency educational services 2) Providing trauma counseling 3) Providing teaching and learning materials such as primers and education equipment 4) Providing scholarships for education participants 5) Rehabilitating and reconstructing non-formal education facilities and infrastructures 6) Providing non-formal education operational expenses, including operational expenses in Islamic boarding schools 7) Assessing, monitoring, and evaluating the whole program	<ul style="list-style-type: none"> All victims of the disaster who need non-formal education services are well covered. Facilities and education infrastructures for non-formal education function normally. Rehabilitation and development of facilities and education infrastructures of non-formal education are accomplished.
Educators and Non-Educative Staff Quality Improvement Program (including recruitment of new contract teachers placing teacher assistants, as well as training for educators and non-educative staffs)	<ul style="list-style-type: none"> Recruitment of permanent and temporary educators and non-educative temporary educators and non-educative staff are managed well. Educators and non-educative staffs are distributed based on the needs in each district. Education process and training for educators and non-educative staffs are successful 	a) Educators and non-educative staffs b) Staffs on MONE	1) Recruiting permanent and temporary educators and non-educative staffs 2) Providing trauma counseling 3) Training and replacement of educators and non-educative staffs 4) Assessing, monitoring, and evaluating the whole program	non-educative staffs are provided based on the needs. <ul style="list-style-type: none"> Temporary teacher assistants and voluntarily teacher assistants are provided according to the needs in the emergency phase and non-educative staffs are accomplished.
Education Research and Development Program	<ul style="list-style-type: none"> Education system of information is settled on. Curriculum which is relevant to regional condition is created. Teaching materials and relevant teaching methodology are provided. 	a) Educators and non-educative staffs b) Regencies/city national education department c) Curriculum development agency	1) Developing an education information system 2) Developing the curriculum 3) Developing teaching and learning materials, including innovation in education 4) Developing methodology of teaching	<ul style="list-style-type: none"> Education information system is established. Curriculum which is relevant to regional condition is created. The teaching materials and relevant teaching methodology are provided.

Source: Master Plan for Rehabilitation and Reconstruction in NAD Province, MONE

3.6 OVERALL BUDGET

The emergency measures, rehabilitations and reconstructions for the education sector in Aceh and North Sumatra had been estimated at 5,539,124 million Rp. The amount of the budget increased, however, by approximately 890,000 million Rp. to 6,429,490 million Rp. due to coping with second earthquake occurred on 28 Mar., 2005. The second earthquake attacked Nias island to destroy the 90 % (700 schools) of all the schools.

The necessary cost of rehabilitations and reconstructions of the program in Banda Aceh City from 2005 to 2009 is estimated and approved at 664,411 million Rp. (Table 3.2). The sources of the cost are expected to be disbursed not only by Indonesian Government but also by international organizations, bi-lateral donor countries and NGOs.

Table 3.2 Necessary Cost for Rehabilitation and Reconstruction Program in Banda Aceh City

Program	Year					Total
	2005	2006	2007	2008	2009	
1 Early Children Education Program						
1-A Under Director General of Primary/secondary Education	1,957	3,755	745	692	655	7,804
1-B Under Director General of NonFormal Education	352	1,176	150	150	150	1,978
Sub Total of 1	2,309	4,931	895	842	805	9,782
2 Nine Years Compulsory Education Program						
2-A Elementary School	28,238	33,685	24,398	6,700	5,933	98,954
2-B Junior HighSchool						
(1) Investment of Access	10,773	28,717	4,303	4,301	4,281	52,375
(2) Quality of Education	1,024	3,028	1,893	1,749	1,769	9,463
(3) Efficiency and Effectiveness	0	0	412	228	228	868
(4) Investmen of Management	0	0	0	0	0	0
Sub Total of 2-B	11,797	31,745	6,608	6,278	6,278	62,706
2-C Equality of Education for Non Formal Education	0	495	145	145	105	890
Sub Total of 2	40,035	65,925	31,151	13,123	12,316	162,550
3 Senior High School Education Program						
3-A Generally Senior High School Education	14,080	43,727	23,986	16,216	12,885	110,894
3-B Vocationally Senior High school Education						
(1) Development of Access	9,203	9,068	1,360	760	860	21,251
(2) Investment of Quality and Relevancy	1,000	3,098	2,124	2,623	1,305	10,150
(3) Creation of Linckage Opportunity with Industry	405	0	0	0	0	405
(4) Dvelopment of Curriculum	3,088	0	0	0	0	3,088
(5) Development of Infrastructure	17	17	17	17	17	85
Sub Total of 3-B	13,713	12,183	3,501	3,400	2,182	34,979
Sub Total of 3	27,793	55,910	27,487	19,616	15,067	145,873
4 Higher Education Program						
4-A Syiah Kuala University	61,683	26,752	14,379	23,310	6,500	132,624
4-B Iskandar Muda University	6,468	13,198	8,960	5,610	4,250	38,486
4-C Private University	30,486	70,500	15,000	15,000	0	130,986
Sub Total of 4	98,637	110,450	38,339	43,920	10,750	302,096
5 Non Formal Education Program						
Sub Total of 5	3,540	67	3,190	3,195	3,205	13,197
6 Teachers and School Administrators Program						
6-A Formal Education	0	0	0	0	0	0
6-B NonFormal Education		13,365	229	29	29	13,652
Sub Total of 6	0	13,365	229	29	29	13,652
7 Education Management Service Program						
7-A Formal Education	447	447	500	500	500	2,394
7-B NonFormal Education	3,450	9,900	505	505	505	14,865
Sub Total of 7	3,897	10,347	1,005	1,005	1,005	17,259
8 Research and Development Program						
Sub Total of 8	0	0	0	0	0	0
Grand Total	176,212	260,997	102,295	81,730	43,177	664,411

Unit: Million Rp.

Source: Rehabilitation and Reconstruction Budget for Banda Aceh City, MONE

CHAPTER 4 URGENT REHABILITATION AND RECONSTRUCTION PLAN

4.1 TARGET YEAR

The urgent rehabilitation and reconstruction plan of an education sector in Banda Aceh city (the Plan) is 5 years plan from 2005 to 2009, the target year of which is 2009. In consideration of taking time beyond 2009 for getting an outcome in some issues, the Plan is a stepwise plan as a rehabilitation stage from year 2005 to 2006, a reconstruction stage from 2007 to 2009, and a revitalization stage from 2010 to 2015.

4.2 MISSION

The missions of the Plan are to present and realize the picture of rehabilitated and reconstructed education in 2009 as the target year. The main future picture consists of restoration of damaged education infrastructures, restoration of effected students and teachers in normal educational condition, and upgrade of education level lowered by the tsunami disaster.

4.3 STRATEGY

The Plan is based on “A Master Plan for Rehabilitation and Reconstruction in NAD Province” prepared by MONE. The strategy of the Plan consists of three key factors. The factors, namely access, quality and management, are essential to establish the rehabilitation and reconstruction of an education sector taking into consideration education situations before and after the tsunami.

(1) Access to Education

- a) Rehabilitation and reconstruction and relocation of damaged schools and establishment of new schools
- b) Provision of education services to orphans and widowed mothers in order to feel easy about their lives
- c) Reconstruction and improvement of non-formal education infrastructures
- d) Rehabilitation and reconstruction of damaged higher education infrastructures and equipment

(2) Quality of Education

- a) Production of teachers and improvement of in-service teachers’ capacities due to many affected teachers

- b) Improvement of teaching-learning quality for mathematics and science as a key subject for upgrading the education level
- c) Improvement of vocational education in order to assist reconstruction of a local economy
- d) Enhancement of profession of teaching and learning materials

(3) Management of Education

- a) Improvement of education administrators' capacities
- b) Improvement of community participation for education
- c) Modernization of non formal education

4.4 GOAL

The goal of the Plan is shown below.

(1) Access to Education

All students can learn with the minimum learning materials at rehabilitated, reconstructed and newly constructed schools and accordingly the enrollment rate will be higher.

(2) Quality of Education

Education level will be higher by increase of trained teachers and development of the teaching-learning process and curriculum.

(3) Management of Education

An efficient and effective education administration will be carried out by upgrading the capacity of the administrators.

4.5 CRITERIA FOR A SUCCESS OF THE GOAL

The criteria for a success of the goal are as follows.

(1) Increase of the net enrollment rate

With a study of required nine years compulsory schools in 2009 (Box1), the direction of reconstruction and development of nine years compulsory schools is shown in the table 4.1. Based on the direction by kecamatan, ARRIS present school mapping for elementary schools and junior high schools in 2009 (Figure4.1 and Figure 4.2). Box 1 shows the number of required schools in 2009 for promoting the net enrollment rate.

(2) Increase of trained teachers

(3) Increase of trained administrators

(4) Increase of community participation

(5) Consideration of orphans and widowed mothers as beneficiaries

Box 1- Required Schools of Nine Years Compulsory Education in 2009-

Number of schools in 2009 is estimated by using the three factors.

(Factor 1) Estimated population by desa in 2009

(Factor 2) Standard for establishment of education facilities shown in "City Master Plan 2001-2010"

(Factor 3) School catchment's area of existing schools including schools to be rehabilitated or reconstructed

The number of required schools in 2009 is estimated as follows (Table 4.2 and Table 43).

(1) General rule

All the existing schools will be rehabilitated or reconstructed except the schools to be relocated.

(2) Calculation of required schools

The number of required elementary schools by desa

= (estimated population by desa in 2009) / (1,600 population) \div 152 schools

The number of required junior high schools by desa

= (estimated population by desa in 2009) / (6,000 population) \div 24 schools

(3) Adjustment of the required schools

a) Number of existing schools to be rehabilitated or reconstructed, and normal condition schools

The elementary schools = 112 schools

The junior high schools = 35 schools

Taking the catchment's area of a school into consideration, the number of new schools for population increase and school relocation is estimated as follows.

b) Population increase

In case of no existing schools in a target desa, a new school is required in the desa. However in case that a school located at a neighboring desa covers the target desa or an estimated population of the target desa is too small, a new school is not required in the target desa.

On the other hand, in case that a school at a neighboring desa covers the target desa but the number of necessary schools of the target desa is much more than the one of existing schools, a new school is required in the target desa.

New schools of elementary schools = 12 schools

New schools of junior high schools = 4 schools

c) School relocation

The number of new elementary schools after the school relocation in the same kecamatan

= (estimated population in 2009 of all the desa having relocation schools) / (1,600 population)

In Kecamatan Meuraxa = 3,294/1,600 \div 2 schools (large scale schools)

In Kecamatan Kuta Raja = 3,072/1,600 \div 2 schools (large scale schools)

Note) The estimated population of Kuta Raja does not include the estimated population of not relocation schools.

New schools are required to relocate at an inland desa of the same kecamatan where the desa is not over-concentration of schools; 1 school at desa Punge Jurong and 1 school at desa Surien in Meuraxa and 2 schools in Kel.Pelanggahan in Kuta Raja is planned tentatively.

The number of new junior high schools after the school relocation in same kecamatan

= (estimated population of all the desa having relocation schools in 2009) / (6,000 population) = 7,397/6,000 \div 1 school (large scale school)

A new school is planned tentatively to relocate at Punge Jurong.

(4) The number of required schools

a) Elementary school

128 schools consisting of 112 schools (rehabilitated/reconstructed schools and normal condition schools) and 16 new schools

b) Junior high schools

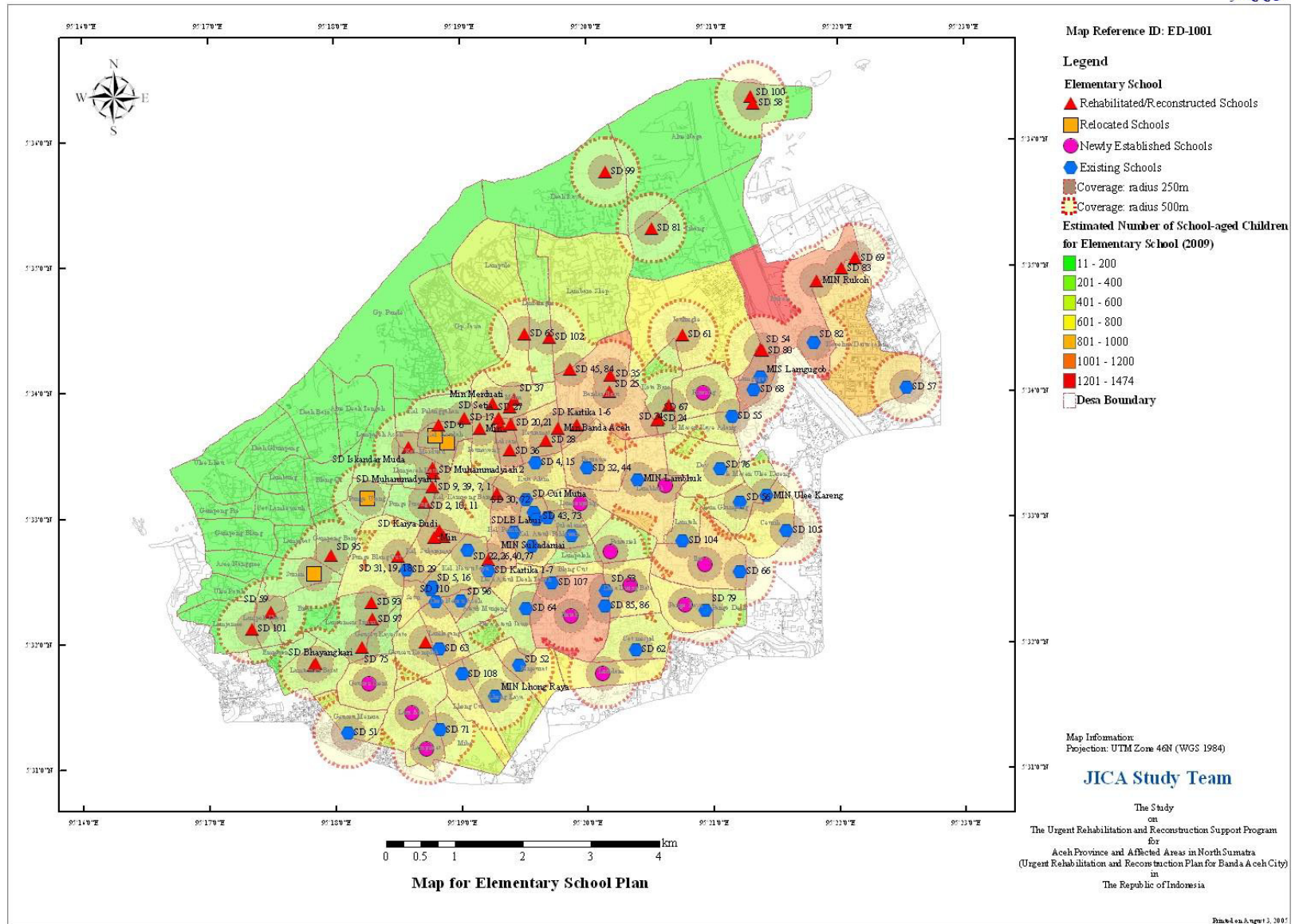
40 schools consisting of 35 schools (rehabilitated/reconstructed schools and normal condition schools) and 5 new schools

Table 4.1 Direction of Reconstruction and Development for Compulsory Schools by Kecamatan

Areas classified by the tsunami damage	Classification of Kecamatans	No. of schools before the tsunami	School condition after the tsunami	Direction of reconstruction and development of nine years compulsory schools	Population before the tsunami in 2004 (thousand population)	Estimated population in 2009 (thousand population)
Coastal area	Meuraxa	18 SD/MI, 4 SMP/MT	All the schools was damaged severely.	Relocation of heavily damaged 16 SD/MI and 1 MT will be carried out due to the decrease of population. The remaining damaged schools will be reconstructed.	31.2	5.9
	Kuta Raja	14 SD/MI, 2 SMP	Almost all the schools was damaged severely.	Relocation of heavily damaged 4 SD and 1 SMP will be carried out due to the decrease of population. The remaining damaged schools will be reconstructed.	20.2	6.8
	Northern Kuta Alam	20 SD/MI, 8 SMP/MT	All the schools was damaged.	Reconstruction of the damaged schools will be carried out.	44.7	35.0
	Northern Syiah Kuala	11 SD/MI, 3 SMP/MT	9 SD/MI were damaged severely.	Reconstruction of the damaged schools will be carried out .	27.1	22.1
	Jaya Baru	9 SD/MI, 2 SMP	All the schools was damaged severely or partially.	Rehabilitation or reconstruction of the damaged schools will be carried out.	22.0	11.4
Central area	Southern Syiah Kuala	3 SD/MI, 3SMP/MT	2 SD/MI were damaged.	Rehabilitation or reconstruction of the damaged schools will be carried out and a new SD construction will be done due to the population increase.	15.6	16.5
	Southern Kuta Alam	4 SD, 4 SMP	All the schools was in normal.	There are no damaged schools.A new SD will be established	10.3	10.5
	Northwestern Baiturrahman	11 SD, 4 SMP/MT	7 SD were damaged.	Rehabilitation or reconstruction of the damaged schools will be carried out.	15.6	15.3
	Western Banda Raya	2 SD, 1SMP	All the schools was damaged partially.	Rehabilitation or reconstruction of the damaged schools will be carried out.	3.4	4.5
Inland area	Ulee Kareng	8 SD/MI, 2 SMP/MT	All the schools was in normal.	There are no damaged schools. 3 new SD and 1 SMP will be established due to the population increase.	17.5	37.6
	Lueng Bata	6 SD/MI, 2 SMP/MT	All the schools was in normal.	There are no damaged schools. 5 new SD and 1 SMP will be established due to the population increase and many desas not covered by the existing schools .	18.4	36.1
	Southeastern Baiturrahman	15 SD/MI, 4 SMP	All the schools was in normal.	There are no damaged schools. New school construction is not necessary.	21.9	22.1
	Eastern Banda Raya	6 SD/MI, 1SMP	All the schools was in normal.	There are no damaged schools. 3 new SD and 1 SMP will be established due to the population increase.	15.7	30.3

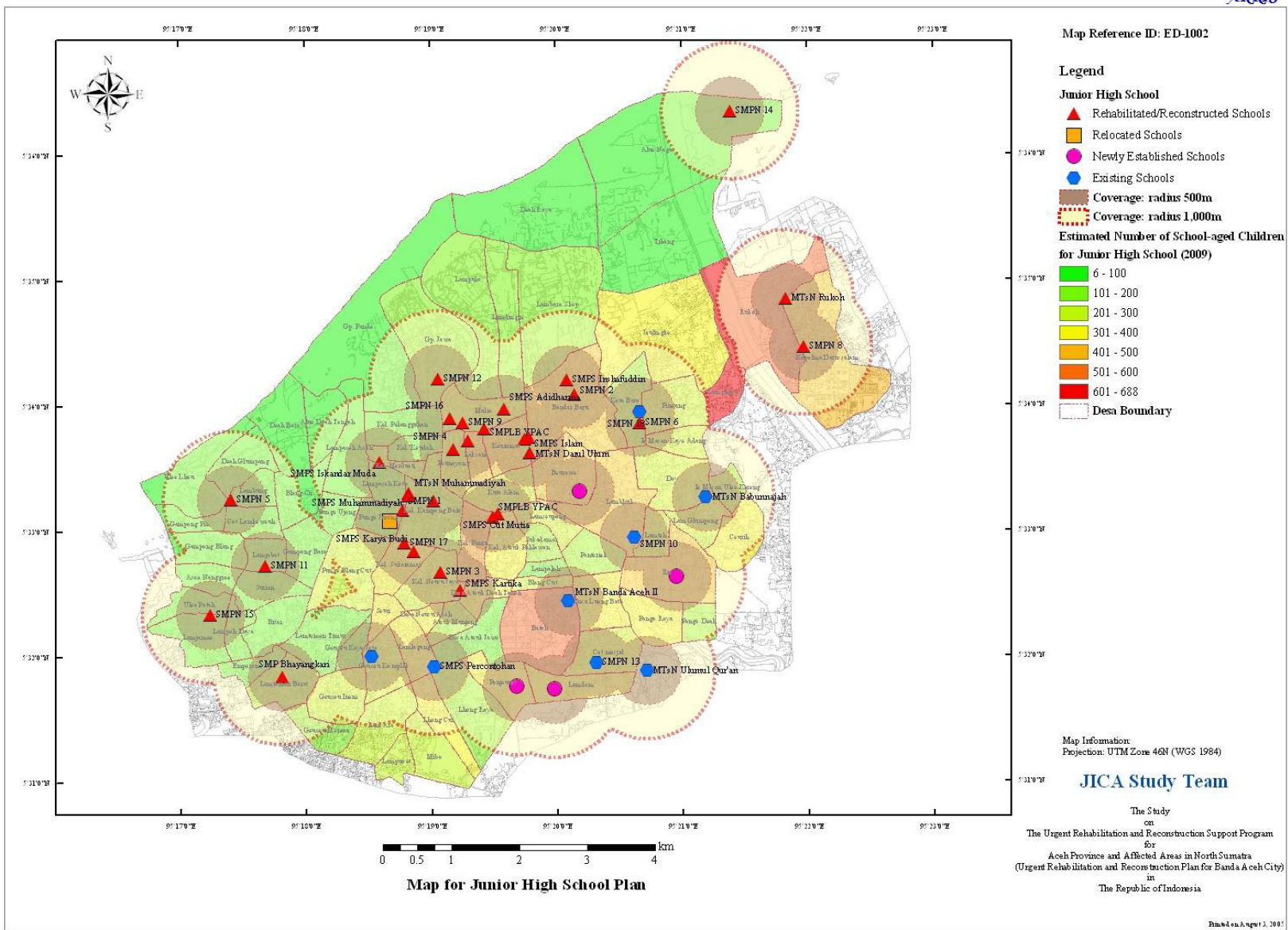
Source: JICA Study Team

Remark: SD (elementary school), MI (Islamic elementary school), SMP (junior high school), MT (Islamic junior high school)



Source: ARRIS prepared by JICA Study Team

Figure 4.1 School Mapping of Elementary School Plan in 2009



Source: ARRIS prepared by JICA Study Team

Figure 4.2 School Mapping of Junior High School Plan in 2009

Table 4.2 Required Elementary Schools in 2009 (1/2)

Kecamatan	Desa	(a) Estimated Population in 2009	Existing Elementary School			No. of required elementary school =(a)/1,600	Number of new schools for population increase and school relocation
			Damaged schools to be rehabilitated or reconstructed	Normal condition schools	Total No. of schools except relocated schools		
Meuraxa	Lampaseh Aceh	424	SD98 (to be relocated)	0	0	0.27	
	Alue Deah Tengoh	221	SD74 (to be relocated)	0	0	0.14	
	Deah Baroe	203	SD92 (to be relocated)	0	0	0.13	
	Deah Glumpang	325	SD91 (to be relocated)	0	0	0.21	
	Ulee Lheu	796	SD88, SD46, 47, 90 (all the schols to be relocated)	0	0	0.5	
	Lambung	237	SD48, SD87, MIN Ulee Lheu (all the schols to be relocated)	0	0	0.15	
	Blang Oi	584	SD78 (to be relocated)	0	0	0.37	
	Punge Jurong	1,027	SD2,10,11	0	3	0.65	
	Punge Ujong	511	0	0	0	0.32	1 relocated school (tentative site)
	Gampong baro	348	SD95	0	1	0.22	
	Lamjabat	165	SD49 (to be relocated)	0	0	0.11	
	Cot Lamkeweuh	172	SD109 (to be relocated)	0	0	0.11	
	Gampong Pie	92	0	0	0	0.06	No construction due to small population
	Gampong Blang	88	0	0	0	0.06	-ditto-
	Asoe Nanggroe	167	SD89, 94(all the schols to be relocated)	0	0	0.11	
	Surien	323	0	0	0	0.21	1 relocated school (tentative site)
	Jaya Baru	Ulee Parah	159	0	0	0	0.1
Lamjane		416	SD101	0	1	0.26	
Lampoh Daya		525	SD59	0	1	0.33	
Bitai		375	0	0	0	0.24	No construction due to small population
Punge Blang Cut		3,254	SD31,19,18	0	3	2.04	
Lamtemen Timur		740	SD93, SD97	0	2	0.45	
Lamtemen Barat		2,376	SD Bhayangkari, MIN Teladan	0	2	1.49	
Emperon		870	0	0	0	0.55	No construction due to small population
Kuta Raja	Gp. Pande	383	SD60(to be relocated)	0	0	0.24	
	Gp. Jawa	1,867	SD70(to be relocated)	0	0	1.17	
	Kel. Pelanggahan	1,180	SD103(to be relocated), SD17	0	1	0.74	
	Kel. Keudah	701	SD6	0	1	0.44	2 relocated schools (tentative site)
	Kel. Merduati	1,629	SD8, 38(to be relocated), SD IskandarMuda	0	2	1.02	
	Lampasan Kota	1,031	SD Muhammadiyah1, SD Muhammadiyah2, SD9, 39, 7,	0	6	0.65	
Syiah Kuala	Deah Raya	180	SD99	0	1	0.13	
	Alue Naga	854	SD100, SD58	0	2	0.54	
	Tibang	1,256	SD81	0	1	0.79	
	Jeuilingke	4,431	SD61,SD54	0	2	2.77	
	Rukhoh	9,126	MIN Rukoh	SD82	2	5.71	
	Kopelma Darussalam	6,209	SD69, SD83	SD57	3	3.88	
	Lamgugop	9,178	SD80, SD68	MIS Lamgugob	3	5.74	
	Pineung	3,865	0	0	0	2.42	A new school construction
	Le Masen kaye Adang	3,461	0	SD55	1	2.17	
Kuta Alam	Lampulo	2,719	SD65	0	1	1.7	
	Lamdingin	1,891	SD102	0	1	1.19	
	Lambaro Skep	2,700	0	0	0	1.69	No construction du to Covering by schools at neighboring desa
	Mulia	3,386	SD27, SD37,MIN Merdati	0	3	2.12	
	Peunayong	2,919	0	0	0	1.83	No construction du to Covering by schools at neighboring desa
	Laksana	6,729	SD36, SD Methodist,SD Setia, SD20, 24	0	5	4.21	
	Keuramat	6,258	SD28, MIN Banda Aceh	0	2	3.92	
	Kuta Alam	4,195	0	SD4, 15	2	2.63	
	Bandar Baru	6,845	SD45,84, SD35, SD25, SD Kartika 1-6	0	5	4.28	
	Kota Baro	1,517	SD34, SD24, SD67	0	3	0.95	
	Beurawe	6,325	0	SD32, 44	2	3.96	

Table 4.2 Required Elementary Schools in 2009 (2/2)

Kecamatan	Desa	(a) Estimated Population in 2009	Existing Elementary School			No. of required elementary school =(a)/1,600	Number of new schools for population increase and school relocation
			Damaged schools to be rehabilitated or reconstructed	Normal condition schools	Total No. of schools except relocated schools		
Baiturrahman	Kel. Kampong Baro	2,720	0	0	0	1.7	No construction du to Covering by schools at neighboring desa
	Kel. Peniti	7,901	SD3, 13, 33, 14, 42	SD12,23, 41	8	4.94	
	Kel. Ateuk Pahiawan	4,785	0	SD CutMuti, SD30, 72, SD43,73, SDLB Labu, MIN Mesjiid	7	2.99	
	Kel. Sukarama	4,753	SD Muhammadiyah3, SD Kartva Budi.	SD29	3	2.97	
	Kel. Neusu Jaya	3,616	0	SD22,26,40,77, SDKartika1-7, MIN Setui.	8	2.26	
	Desa Ateuk Deah Tanoh	5,047	0	0	0	3.16	No construction du to Covering by schools at neighboring desa
	Desa Neusu Aceh	4,586	0	SD96	1	2.87	
Banda Raja	Desa atek Jawo	1,386	0	SD64	1	0.87	
	Lamiagang	4,525	0	SD63, SD110	2	2.83	
	Geuceu Komplek	3,297	SD50	0	1	2.06	
	Geuceu Kaye Jato	1,162	SD75	0	1	0.73	
	Geuceu Inem	3,072	0	0	0	1.92	A new school construction
	Lam Ara	3,567	0	0	0	2.23	A new school construction
	Lampuoet	3,729	0	0	0	2.33	A new school construction
	Mibo	3,290	0	SD71	1	2.06	
	Lhong Cut	4,614	0	SD108	1	2.89	
	Lhong Raya	2,706	0	MIN Lhomg Raya	1	1.69	
	Penjeurat	4,764	0	SD52	1	2.98	
	Lueng Bata	Lamseupeng	3,196	0	0	0	2
Sukadamai		2,334	0	MIN Sukadamai	1	1.46	
Lampaloh		908	0	0	0	0.57	No construction du to Covering by schools at neighboring desa
Panteriek		2,597	0	0	0	1.62	A new school construction
Blang Cut		4,203	0	0	0	2.63	No construction du to Covering by schools at neighboring desa
Batoh		9,730	0	SD107, SD53, SD85, 86	4	6.08	A new school construction
Desa Lueng Bata		4,505	0	0	0	2.82	A new school construction
Cot Mesjid		3,519	0	SD62	1	2.2	
Ulee Kareng	Lamdom	4,958	0	0	0	3.1	A new school construction
	Lambhuk	6,210	0	MIN Lambhuk	1	3.89	A new school construction
	Doy	3,647	0	SD7	1	2.28	
	Le Masen Ule Kareng	2,536	0	MIN Ulee Kareng	1	1.59	
	Ceurih	4,533	0	SD105	1	2.84	
	Cam Glumpang	3,496	0	SD56	1	2.19	
	Lamteh	3,416	0	SD104	1	2.14	
	Llie	5,842	0	SD66	1	3.66	A new school construction
	Pango Raya	5,122	0	SD79	1	3.2	A new school construction
	Pango Deah	2,656	0	0	0	1.66	No construction du to Covering by schools at neighboring desa
Total		248,161	63 Schools	49 Schools	112 schools	152.41	16 new school construction

Source: JICA Study Team

Table 4.3 Required Junior High Schools in 2009 (1/2)

Kecamatan	Desa	(a) Estimated Population in 2009	Existing Junior High School			No. of required junior high school =(a)/6,000	Number of new schools for population increase and school relocation
			Damaged schools to be rehabilitated, reconstructed or relocated	Normal condition schools	Total No. of schools except relocated schools		
Meuraxa	Lampaseh Aceh	424	0	0	0	0.07	No construction due to small population
	Alue DeahTengoh	221	0	0	0	0.04	-ditto-
	Deah Baroe	203	0	0	0	0.04	-ditto-
	Deah Glumpang	325	MTsN Meuraxa (to be	0	0	0.06	
	Ulee Lheu	796		0	0	0.14	No construction due to small population
	Lambung	237	SMPN5	0	1	0.04	
	Blang Oi	584	0	0	0	0.1	No construction due to small population
	Punge Jurong	1,027	SMPN1	0	1	0.18	1 relocated school (tentative site)
	Punge Ujong	511	0	0	0	0.09	No construction due to small population
	Gampong baro	348	0	0	0	0.06	-ditto-
	Lamjabat	165	SMPN11	0	1	0.03	
	Cot Lamkewueh	172	0	0	0	0.03	No construction due to small population
	Gampong Pie	92	0	0	0	0.02	-ditto-
	Gampong Blang	88	0	0	0	0.02	-ditto-
Asoe Nanggroe	167	0	0	0	0.03	-ditto-	
Surien	323	0	0	0	0.06	-ditto-	
Jaya Baru	Ulee Parah	159	0	0	0	0.03	-ditto-
	Lamjane	416	SMPN15	0	1	0.07	
	Lampoh Daya	525	0	0	0	0.09	No construction due to small population
	Bitai	375	0	0	0	0.07	-ditto-
	Punge Blang Cut	3,254	0	0	0	0.55	-ditto-
	Lamtemen Timur	740	0	0	0	0.13	-ditto-
	Lamtemen Barat	2,376	SMPS Bayang kari	0	1	0.4	
Emperon	870	0	0	0	0.15	No construction due to small population	
Kuta Raja	Gp. Pande	383	0	0	0	0.07	-ditto-
	Gp. Jawa	1,867	SMPN12	0	1	0.31	
	Kel. Pelanggahan	1,180	0	0	0	0.2	No construction due to small population
	Kel. Keudah	701	0	0	0	0.12	-ditto-
	Kel. Merduati	1,629	0	0	0	0.28	-ditto-
Lampasan Kota	1,031	SMPS Iskandar Muda (to be relocated)	0	0	0.18	To Punge Jurong	
Syiah Kuala	Deah Raya	180	0	0	0	0.03	No construction due to small population
	Alue Naga	854	SMPN 14	0	1	0.15	
	Tibang	1,256	0	0	0	0.21	No construction due to small population
	Jeulingke	4,431	0	0	0	0.74	-ditto-
	Rukhoh	9,126	MTsN Rukoh	0	1	1.53	
	Kopelma Darussalam	6,209	SMPN8	0	1	1.04	
	Lamgugop	9,178	0	0	0	1.53	No construction du to Covering by schools at neighboring desa
Pineung	3,865	0	0	0	0.65	No construction due to small population	
Le Masen kaye Adang	3,461	0	0	0	0.58	-ditto-	
Kuta Alam	Lampulo	2,719	0	0	0	0.46	-ditto-
	Lamdingin	1,891	0	0	0	0.32	-ditto-
	Lambaro Skep	2,700	0	0	0	0.45	-ditto-
	Mulia	3,386	SMPN16, SMPN9, SMPN16	0	3	0.57	
	Peunayong	2,919	SMPN 4	0	1	0.49	
	Laksana	6,729	SMPS Methodist	0	1	1.12	
	Keuramat	6,258	SMPSIslam, MTsN Banda Aceh1, MTsN Darul Ulum	0	3	1.05	
	Kuta Alam	4,195	0	0	0	0.7	
	Bandar Baru	6,845	SMPN2, SMPS Inshafuddin	0	2	1.14	
	Kota Baro	1,517	SMPN 6	SMPN 18	2	0.26	
Beurawe	6,325	0	0	0	1.06	A new school construction	

Table 4.3 Required Junior High Schools in 2009 (2/2)

Kecamatan	Desa	(a) Estimated Population in 2009	Existing Junior High School			No. of required junior high school =(a)/6,000	Number of new schools for population increase and school relocation	
			Damaged schools to be rehabilitated, reconstructed or relocated	Normal condition schools	Total No. of schools except relocate d schools			
Baiturrahman	Kel. Kampong Baro	2,720	MTsN Muhammadiyah, SMPS Muhammadiyah, MTsN Darussya'ah	0	3	0.46		
	Kel. Peniti	7,901		0	0	1.32	No construction du to covering by schools at neighboring desa	
	Kel. Ateuk Pahiawan	4,785	SMPS Cut Meutia, SMPLB YPAC	0	2	0.8		
	Kel. Sukarama	4,753	SMPN17	0	1	0.8		
	Kel. Neusu Jaya	3,616	SMPN3, SMPS Kartika	0	2	0.61		
	Desa Ateuk Deah Tanoh	5,047		0	0	0.85	No construction du to covering by schools at neighboring desa	
	Desa Neusu Aceh	4,586		0	0	0.77	-ditto-	
	Desa atek Jawo	1,386		0	0	0.24	No construction due to small population	
Banda Raja	Lamiagang	4,525		0	SMPS Percontoha	1	0.76	
	Geuceu Komplek	3,297		0	SMPN 7	1	0.55	
	Geuceu Kaye Jato	1,162		0	0	0	0.2	No construction due to small population
	Geuceu Inem	3,072		0	0	0	0.52	-ditto-
	Lam Ara	3,567		0	0	0	0.6	-ditto-
	Lampuoet	3,729		0	0	0	0.63	-ditto-
	Mibo	3,290		0	0	0	0.55	-ditto-
	Lhong Cut	4,614		0	0	0	0.77	No construction du to covering by schools at neighboring desa
	Lhong Raya	2,706		0	0	0	0.46	-ditto-
Penjeurat	4,764		0	0	0	0.8	A new school construction	
Lueng Bata	Lamseupeng	3,196		0	0	0	0.54	No construction due to small population
	Sukadamai	2,334		0	0	0	0.39	-ditto-
	Lampaloh	908		0	0	0	0.16	-ditto-
	Panteriek	2,597		0	0	0	0.44	-ditto-
	Blang Cut	4,203		0	0	0	0.7	-ditto-
	Batoh	9,730		0	MTsN Banda	1	1.63	
	Desa Lueng Bata	4,505		0	0	0	0.75	No construction due to small population
	Cot Mesjid	3,519		0	SMPN13	1	0.59	
	Lamdom	4,958		0	0	0	0.83	A new school construction
Ulee Kareng	Lambhuk	6,210		0	SMPN10	1	1.04	
	Doy	3,647		0	MTsN Babunnajah	1	0.61	
	Le Masen Ule Kareng	2,536		0	0	0	0.43	No construction due to small population
	Ceurih	4,533		0	0	0	0.76	-ditto-
	Cam Glumpang	3,496		0	0	0	0.59	-ditto-
	Lamteh	3,416		0	0	0	0.57	-ditto-
	Liie	5,842		0	0	0	0.98	A new school construction
	Pango Raya	5,122		0	0	0	0.86	No construction du to covering by schools at neighboring desa
	Pango Deah	2,656		0	0	0	0.45	No construction due to small population
Total	248,161		28 schools	7 schools	35 schools	24.01	5 new school construction	

Source: JICA Study Team