

MINUTES OF DISCUSSIONS
ON THE BASIC DESIGN STUDY ON THE PROJECT FOR IMPROVEMENT OF
EDUCATIONAL FACILITIES (PHASE VI)
IN THE REPUBLIC OF THE PHILIPPINES
(EXPLANATION ON DRAFT REPORT)

In February 2002, the Japan International Cooperation Agency (hereinafter referred to as "JICA") dispatched a Basic Design Study Team on the Project for Improvement of Educational Facilities (Phase VI), (hereinafter referred to as "the Project") to the Republic of the Philippines (hereinafter referred to as "the Philippines"), and through discussion, field survey, and technical examination of the results in Japan, JICA prepared a draft report of the study.

In order to explain and to consult the Philippines on the components of the draft report, JICA sent to the Philippines the Draft Report Explanation Team (hereinafter referred to as "the Team"), which is headed by Mr. Motofumi KOHARA, Deputy Resident Representative, JICA Philippines Office, from June 26 to July 3, 2002.

As a result of discussions, both parties confirmed the main items described on the attached sheets.

Manila, July 3, 2002



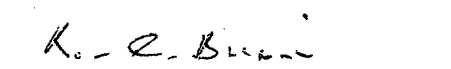
Mr. Motofumi KOHARA

Leader

Basic Design Study Team

Japan International Cooperation Agency

(Japan)



Mr. Ramon C. BACANI

Undersecretary

Department of Education

(Philippines)

ATTACHMENT

1. Components of the Draft Report

The Government of the Philippines agreed and accepted in principle the components of the draft report explained by the Team.

2. Japan's Grant Aid Scheme

The Philippine side understood the Japan's Grant Aid Scheme and the necessary measures to be taken by the Government of the Philippines as explained by the Team and described in Annex-4 and Annex-5 of the Minutes of Discussions signed by both parties on February 14, 2002.

3. Schedule of the Study

JICA will complete the final report in accordance with the confirmed items and send it to the Government of the Philippines by September, 2002.

4. Other relevant issues

4-1. Schools and Facilities covered by the Project

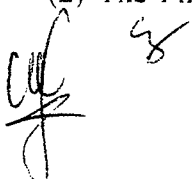
Both sides agreed on schools and components covered by the Project as shown in Annex-1 except for the points described in 4-2. The Philippine side agreed that the final decision in this matter would be made by the Japanese side on the basis of the further study in Japan.

4-2. Request on Schools and Facilities Covered by the Project

(1) The Philippine side requested that the following schools should be included in the Project because the number of the shortage of classrooms in those schools calculated by the formula adopted by the previous projects was more than twenty (20). The Team assured to convey this message to the concerning parties in Japan.

- Limay NHS (S-08)
- Paradise Farms HS (S-24)
- Muñoz NHS (S-38)
- Constancio Padilla NHS (S-44)

(2) The Philippine side informed that Palayan City HS (S-39) should be included in the Project



because the Palayan city is categorized as class 4, not class 1. The Team agreed that this matter should be reconsidered through further study in Japan.

(3) As a result of the explanation of PHIVOLCS that Pampanga HS (S-64) is safe from lahar, and flooding can be avoided by increasing land elevation at the proposed building site by not less than one (1) meter. The Japanese side agreed to consider the school as a recipient after further study in Japan.

4-3 Land Ownership Document

The Philippine side understood that Tarlac NHS (main) (S-82) would be excluded from the Project because of unavailability of ownership document of the proposed land.

4-4 No Buildable Space

The Philippine side understood that San Isidro HS (S-51) would be excluded from the Project because of no buildable space.

4-5. Fiscal Levy, Tax and Duty The Philippine side agreed on the following points.

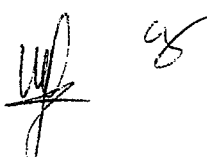
- (1) The Philippine side will exempt Japanese nationals engaged in the Project from all duties and related fiscal charges which may be imposed in the Philippines with respect to the import of the products and services supplied under the verified contract.
- (2) The Philippine side will assume all fiscal levies and taxes imposed in the Philippines on Japanese nationals with respect to the payment carried out for and the income accruing from the supply of the products and services under the verified contract.
- (3) The Philippine side will be responsible for the prompt liquidation or settlement of such fiscal levies, duties, taxes and other similar charges in connection with (1) and (2). DepEd will be responsible for the necessary budget allocation in this matter.

4-6. Re-approval by Investment Coordination Committee (ICC)

The Philippine side understood that the re-approval by ICC would be pre-requisite for the appraisal of the Project by the Government of Japan. And the Philippine side agreed that DepEd would facilitate the timely re-approval by ICC with close coordination with NEDA and obtain the re-approval by ICC cabinet committee held in July or August, 2002.

4-7. Works covered by the Philippine side

The Philippine side agreed that the timely completion of the site preparation works described in Annex-2 would be required. The Philippine side assured that those site preparation works would be completed by the Philippine side before the commencement of the construction.



The Philippine side also assured to connect the electric power line to the electric poles covered by the Japanese side and to provide and connect the water source to the toilet cistern tank before the completion of the construction. And the Philippine side also assured to provide all necessary electric water pumps to the sites.

4-8. Securing of Proposed Building Sites

The Philippine side confirmed that they will secure the identified building sites in the recipient schools till the actual commencement of the construction work.

4-9. Allocation of Personnel and Budget

The Philippine side agreed to allocate necessary budget and personnel (teaching & administrative staff) for proper use & maintenance of the facilities & equipment covered by the Project.

4-10. Proper Use and Maintenance

Both sides understood that proper use and maintenance of the facilities and equipment would be indispensable for their lifelong use. The Philippine side assured to facilitate their proper use and maintenance of facilities in the schools covered by the Project with the active involvement of concerned parties such as DepEd, school, PTCA, community and so on.

4-11. Software Component

The Philippine side requested the implementation of the software component within the scope of the Project in order to facilitate proper use and maintenance of the facilities in the schools covered by the Project.

4-12. Specification of Toilet



The Philippine side understood that the specification of the toilets covered by the Project would be finalized by the Japanese side on the basis of the result of further study.

4-13. Specification of Science Equipment

The Team promised to take into consideration the Philippine side's comments on the technical specification of science equipment. But the Philippine side agreed that the final decision in this matter would be made by the Japanese side.

4-14. Security Situation

The Japanese side agreed to consider through the study in Japan, the ten (10) school sites classified as either influenced (S-1) or infiltrated (S-2) by the dissident terrorists' activities, according to the



memorandum issued by Philippine National Police, Police Regional 3, dated May 6, 2002. The Philippine side on the other hand agreed to closely monitor the development in these schools till the actual commencement of construction.

- E-03 Orani North ES (S-2)
- E-08 Sibul ES (S-1)
- E-16 Vega ES (S-2)
- E-28 Cabucbucan (S-2)
- E-30 Macapsing ES (S-2)
- E-31 Paco Roman ES (S-2)
- E-48 Moriones ES (S-2)
- E-54 Baloganon ES (S-2)
- S-81 Padapada HS (S-2)
- S-84 Maliwalo HS (S-2)

The Philippine side fully understands the importance of assurance of safety for personnel concerning the Project and that the Philippine side must continually contact the concerned government agencies to ensure their safety during project implementation.

4-15. Contents of Draft Report

Both sides agreed that the contents of the draft report would be confidential, be dealt with carefully and not be disclosed to any third parties.

Two handwritten signatures are present. The one on the left is a stylized signature, possibly 'WJ', and the one on the right is a cursive signature, possibly 'WJ'.

Annex-1: Schools and Components covered by the Project

(1) Elementary Schools

ID	Name of School	Number of Classrooms to be constructed	Building Type	Number of stories	Toilet's Size	Security Categorization
Bataan						
E-01	MAMBOG ES	2	2	1	none	
E-03	ORANI NORTH ES	3	3, T	1	S	S-2
Bulacan						
E-04	BUSTOS ES	3	3, T	1	S	
E-05	BUNSURAN ES	4	2-4, T	2	S	
E-06	MATIAS B. SALVADOR MEM. ES	4	2-4, T	2	S	
E-08	SIBUL ES	3	3, T	1	S	S-1
E-09	OBANDO CS	3	3, T	1	S	
E-10	BAGONGBUHAY EAST CS	3	3, T	1	S	
E-11	SAN RAFAEL ES (BBH ES)	4	2-4, T	2	S	
Nueva Ecija						
E-14	BONGABON CES	3	3, T	1	S	
E-16	VEGA ES	3	3, T	1	S	S-2
E-17	LIGAYA ES	3	3, T	1	S	
E-19	SAN FELIPE ES	2	2, T	1	S	
E-21	ANDRES BONIFACIO NORTE ES	2	2, T	1	S	
E-28	CABUCBUCAN ES	3	3, T	1	S	S-2
E-30	MACAPSING ES	2	2, T	1	S	S-2
E-31	PACO ROMAN ES	2	2, T	1	S	S-2
E-32	SANTA ROSA CS	3	3, T	1	S	
E-33	PAG-ASA ES	3	3, T	1	S	
E-34	SOLEDAD ES	3	3, T	1	S	
E-36	BALOC ES	3	3, T	1	S	
E-38	ZARAGOZA CS	3	3, T	1	S	
E-39	ALIAGA CS	3	3, T	1	S	
E-40	CABANATUAN EAST CS	3	3, T	1	S	
E-41	CAMP TINIO ES	3	3, T	1	S	
E-42	MAGSALISI ES	2	2, T	1	S	
Pampanga						
E-45	SANTA ANA CES	3	3, T	1	S	
E-47	EPZA Resettlement ES	3	3, T	1	S	
Tarlac						
E-48	MORIONES ES	3	3, T	1	S	S-2
Zambales						
E-54	BALOGANON ES	3	3, T	1	S	S-2
E-55	SUBIC CS	3	3, T	1	S	
Total		90				

2:2 classrooms, 3:3 classrooms, 2-4:2-story 4 classrooms

Toilet Size S: Small, M: Medium, L: Large

Security Categorization S-1: influenced by dissident terrorists' activities, S-2: infiltrated by dissident terrorists' activities

(2) Secondary Schools

ID	Name of School	Number of Classrooms to be constructed	Building Type	Number of stories	Toilet's Size	Science Lab.	Science Equipment	Security Categorization
Bataan								
S-01	Don PABLO R. ROMAN Memorial HS (Pilar HS)	4	4, T	1	S			
S-03	BONIFACIO CAMACHO HS	4	4, T	1	S			
S-04	BATAAN NHS	8	2-8, T	2	M			
S-05	PAGALANGGANG NHS	8	2-8, ST	2	M	●	●	
S-07	HERMOSA HS	8	2-8, T	2	M		●	
S-09	ORANI NHS	4	2-4, ST	2	S	●	●	
Bulacan								
S-10	ALEXIS G. SANTOS NHS	5	2, 3, T	1	S			
S-11	BUNSURAN HS	4	2-4, T	2	S			
S-13	TALIPTIP HS	12	6, 6, ST	1	L	●	●	
S-15	GUIGUINTO NATIONAL VOCATIONAL HS	2	2-2ST	2	S	●	●	
S-16	FELIZARDO C. LIPANA MEM. HS	8	2-8, T	2	M			
S-17	MEYCAUAYAN HS	12	3-12, ST	3	L	●	●	
S-18	OBANDO NHS	2	2, ST	1	S	●	●	
S-19	MAGUINAO-CRUZ NA DAAN HS	8	2-8, T	2	M			
S-20	MARCELO H. DEL PILAR HS	4	4, T	1	S			
S-21	SAN MARCOS HS	4	4, T	1	S			
S-22	SAN MIGUEL HS	8	2-8, T	2	M			
S-25	SAPANG PALAY HS	8	2-8, ST	2	M	●	●	
Nueva Ecija								
S-27	GENERAL TINIO NHS	8	2-8, T	2	M		●	
S-28	BAGO HS	2	2, ST	1	S	●	●	
S-30	PEÑARANDA NHS	3	3, T	1	S			
S-31	RIZAL NHS	4	4, T	1	S			
S-32	CABIAO HS	9	3-9, T	3	M			
S-34	NUEVA ECIJA HS	12	3-12, T	3	L			
S-36	JUAN R. LIWAG MEM. HS	8	2-8, T	2	M			
S-37	GUIMBA NHS	6	4, 2, ST	1	S	●	●	
S-41	AGBANNAWAG HS	2	2, ST	1	S	●	●	
S-42	SAN FRANCISCO HS	4	2, 2, T	1	S			
S-45	SANTO DOMINGO NATIONAL TRADE SCHOOL	8	4, 4, T	1	M		●	
S-48	ZARAGOZA NHS	3	3, T	1	S			
S-49	PUTLOD NHS	6	2-6, T	2	S			
S-87	CARRANGLAN HS (Annex A - Digidig)	3	3, ST	1	S	●	●	

ID	Name of School	Number of Classrooms to be constructed	Building Type	Number of stories	Toilet's Size	Science Lab.	Science Equip-ment	Security Categori-zation
Pampanga								
S-53	CAMBA HS	6	6, T	1	S			
S-57	MAUAQUE RESETTLEMENT HS	4	2-4, ST	2	S	●	●	
S-58	CAMATCHILES RESETTLEMENT HS	8	2-6, 2-2ST	2	S	●	●	
S-59	SAN VICENTE-SAN FRANCISCO HS	3	3, T	1	S			
S-62	ANGELES CITY NHS (Pampang)	4	2-4ST	2	S	●	●	
S-63	ANGELES CITY NATIONAL TRADE SCHOOL	8	4, 4, ST	1	M	●	●	
S-65	SINDALAN HS	12	3-12, ST	3	L	●	●	
S-68	BALITUCAN NHS (Annex)	6	2-6ST	2	S	●	●	
S-69	ANGELES CITY HS (Pandan)	8	2-8, T	2	M			
Tarlac								
S-70	SAN MANUEL HS	6	3, 3, T	1	S			
S-71	GUEVARRA NHS	8	2-8, T	2	M			
S-73	BENIGNO S. AQUINO MEM. HS	8	2-8, T	2	M		●	
S-77	SANTO DOMINGO HS (CAPAS HS)	12	6, 6, ST	1	L	●	●	
S-81	PADAPADA HS	8	2-8, T	2	M			S-2
S-84	MALIWALO HS	8	2-8, ST	2	M	●	●	S-2
S-85	VICTORIA HS	8	4, 4, ST	1	M	●	●	
Zambales								
S-86	GORDON HEIGHTS HS	2	2-2ST	2	S	●	●	
Total		310						

2:2 classrooms, 3:3 classrooms, 4:4 classrooms, 5:5 classrooms, 6:6 classrooms, 2-4:2-story 4 classrooms, 2-6:2-story 6 classrooms
2-8:2-story 8 classrooms, 3-9:3-story 9 classrooms, 3-12:3-story 12 classrooms
2-2ST:2-story 2classrooms + Science Laboratory+ Toilet, 2-4ST:2-story 4 classrooms+ Science Laboratory + Toilet,
2-6ST:2-story 6 classrooms+ Science Laboratory+ Toilet, ST: Science Laboratory + Toilet
Toilet Size S: Small, M: Medium, L: Large

Security Categorization S-1: influenced by dissident terrorists' activities, S-2: infiltrated by dissident terrorists' activities

Note: Building type for each recipient school is subject to change as a result of the further study

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Annex-2: Site Preparation Works Covered by the Philippine Side

① Wall protection

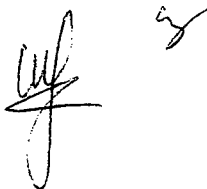
S-87 Carranglan HS (Annex A- Digdig)

② Cutting, filling, and leveling of the land

E-01 Mambog ES	S-10 Alex G. Santos NHS
E-03 Orani ES	S-13 Taliptip HS
E-08 Sibul ES	S-20 Marcelo H. Del Pilar HS
E-09 Obando CS	S-21 San Marcos HS
E-10 Bagongbuhay East CS	S-25 Sapanpalay HS
E-16 Vega ES	S-28 Bago HS
E-19 San Felipe ES	S-31 Rizal NHS
E-30 Macapsing ES	S-36 Juan R. Liwag Memorial HS
E-32 Santa Rosa CS	S-59 San Vicente-San Francisco HS
E-34 Soledad ES	S-63 Angeles City National Trading School
E-36 Baloc ES	S-73 Benigno S Aquino Mem HS
E-38 Zaragoza CS	S-77 Santo Domingo HS (Capas HS)
E-42 Magsalisi ES	S-81 Padapada HS
E-54 Baloganon ES	S-84 Maliwalo HS
S-01 Don Pablo R. Roman MHS	S-85 Victria HS
S-09 Orani NHS	S-87 Carranglan HS (Annex A- Digdig)

③ Demolish all concerned buildings in the proposed construction site

E-03 Orani ES	S-27 General Tino NHS
E-05 Bunsuran ES	S-36 Juan R. Lieag Mem. HS
E-34 Soledad ES	S-41 Agbannawag HS
E-38 Zaragoza CS	S-62 Angeles City NHS
E-55 Subic ES	S-68 Balitucan NHS (Annex)
S-01 Don Pablo R. Roman Memorial HS	S-73 Benigno S Aquino Mem HS
S-05 Pagalangang NHS	S-77 Sto. Domingo HS
S-16 Felizardo C. Lipana Mem. HS	S-84 Maliwalo HS
S-17 Meycauyan HS	S-86 Gordon Heights HS
S-19 Maguinao- Cruz Na Daan HS	



④ Removal of existing foundations, concrete objects, pavement, etc. obstructing construction

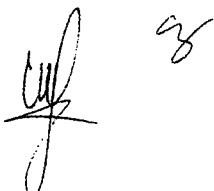
E-05 Bunsuran ES	S-31 Rizal NHS
E-11 San Rafael ES (BBH ES)	S-41 Agbannawag HS
E-32 Santa Rosa CS	S-62 Angeles City NHS
E-48 Moriones ES	S-68 Balitucan NHS (Annex)
E-55 Subic ES	S-71 Guevarra NHS

⑤ Removal of existing trees, school gardens, etc. obstructing construction

E-03 Orani ES	S-05 Pagalanggang NHS
E-04 Bustos ES	S-07 Hermosa HS
E-06 Matias B. Salvador Mem. ES	S-10 Alex G. Santos NHS
E-09 Obando ES	S-11 Bunsuran HS
E-19 San Felipe ES	S-22 San Miguel HS
E-28 Cabucbucan ES	S-31 Rizal NHS
E-30 Macapsing ES	S-32 Cabiao HS
E-32 Santa Rosa CS	S-34 Nueva Ecija NHS
E-33 Pag-Asa ES	S-36 Juan R. Liwag MHS
E-36 Baloc ES	S-37 Guimba NHS
E-38 Zaaragoza CS	S-57 Mauaque Resettlement HS
E-39 Aliaga CS	S-58 Camotchiles Resettlement HS
E-42 Magsalisi ES	S-59 San Vicente-San Francisco HS
E-45 Santa Ana CS	S-62 Angeles City NHS (Main)
E-54 Baloganon ES	S-65 Sindalan HS
E-55 Subic CS	S-71 Guevarra NHS
S-01 Don Pablo R. Roman Memorial HS	S-84 Maliwalo HS
S-03 Bonifacio Camacho HS	S-86 Gordon Heights HS

⑥ Others

E-09 Obando ES	(Relocation of gate)
E-10 Bagongbuhay East CS	(Additional drainage pipe)
E-30 Macapsing ES	(Relocation of flagpole)
E-54 Baloganon ES	(Relocation of flagpole)
S-09 Orani NHS	(Relocation of drainage canal)
S-15 Guiguinto National Vocational HS	(Relocation of flagpole)
S-21 San Marcos HS	(Relocation of plantbox)
S-32 Cabiao HS	(Relocate the school gate)



**5. Cost Estimation Borne by Government of the Philippines
(Stage 1)**

OLD SCH. ID.	Name of School	Site Cleaning	Site Creation		Retaining Wall	Demolition of Exist. Bldg/Slab	Plumbing Work	Electrical Work	Exterior Work	Total
			Cut	Fill						
BATAAN PROVINCE										
1	E-01 MAMBOGES	10,080	0	40,000	0	0	0	2,650	0	52,730
2	E-03 ORANI NORTHES	19,320	0	64,600	0	924,000	25,000	2,650	0	1,035,570
3	S-01 DON PABLO R. ROMAN Memorial HS (Pilar HS)	23,100	0	72,800	0	0	12,500	16,500	0	124,900
4	S-03 BONIFACIO CAMACHO HS	23,100	0	0	0	0	7,500	21,150	0	51,750
5	S-04 BATAAN NHS	24,780	0	0	0	0	127,500	12,500	0	164,780
6	S-05 PAGAL-ANGGANG NHS	30,660	0	0	0	18,000	125,000	23,800	0	197,460
7	S-07 HERMOSA HS	24,780	0	0	0	0	127,500	8,600	0	160,880
8	S-08 LIMAY NHS	33,180	0	0	0	0	127,500	16,875	0	177,555
9	S-09 ORANI NHS	23,100	9,000	9,000	0	0	127,500	3,300	0	171,900
PAMPANGA PROVINCE										
10	E-45 SANTA ANA CES	19,320	0	0	0	0	127,500	8,600	0	155,420
11	E-47 EPZA Resettlement ES	19,320	0	0	0	0	20,000	3,300	0	42,620
12	S-53 CAMBA HS	33,180	0	0	0	0	127,500	19,800	0	180,480
13	S-57 MALAQUE RESETTLEMENT HS	27,720	0	0	0	0	127,500	3,300	0	158,520
14	S-58 CAMAT CHILES RESETTLEMENT HS (Sapang Bilibas)	28,140	0	0	0	0	12,500	9,250	0	49,890
15	S-59 SAN VICENTE-SAN FRANCISCO HS	19,320	0	44,800	0	0	5,000	12,550	0	81,670
16	S-62 ANGELES CITY NHS (Pampang)	15,960	0	0	0	162,000	127,500	19,800	0	325,260
17	S-63 ANGELES CITY NATIONAL TRADE SCHOOL	46,620	0	95,400	0	0	2,500	3,300	0	147,820
18	S-64 PAMPANGA HS	24,780	0	207,800	0	0	127,500	4,975	0	365,055
19	S-65 SINDALAN HS	32,760	0	0	0	0	130,000	2,650	0	165,410
20	S-68 BALITUCAN NHS (Annex)	19,740	0	0	0	878,000	127,500	13,200	0	1,038,440
21	S-69 ANGELES CITY HS (Pantam)	24,780	0	0	0	0	20,000	3,300	0	48,080
TARLAC PROVINCE										
22	E-48 MORIONES ES	19,320	0	0	0	41,600	127,500	6,600	0	195,020
23	S-70 SAN MANUEL HS	33,180	0	0	0	0	40,000	9,900	0	83,080
24	S-71 GUEVARRA NHS	24,780	0	0	0	728,000	10,000	9,900	0	772,680
25	S-73 BENIGNO S. AQUINO MEM. HS	24,780	0	27,400	0	582,000	12,500	2,650	0	649,330
26	S-77 SANTO DOMINGO HS (CAPAS HS)	61,740	0	216,000	0	15,600	127,500	49,500	0	470,340
27	S-81 PADAPADA HS	30,660	29,000	29,000	0	0	17,500	40,250	0	146,410
28	S-84 MALIWALO HS	30,660	0	15,600	0	70,200	12,500	5,950	0	134,910
29	S-85 VICTORIA HS	46,620	0	156,000	0	0	12,500	2,650	0	217,770
ZAMBALES PROVINCE										
30	E-54 BALOGANON ES	19,320	7,000	7,000	0	0	127,500	5,950	0	166,770
31	E-55 SUBIC CS	19,320	0	0	0	0	20,000	16,500	0	55,820
32	S-86 GORDON HEIGHTS HS	12,180	0	0	0	129,000	127,500	5,950	0	274,630
	total	846,300	45,000	985,400	0	3,548,400	2,270,000	367,850	0	8,062,950

(Stage 2)

OLD SCH. ID.	Name of School	Site Cleaning		Site Creation		Retaining Wall	Demolition of Exist. Bldg/Slab	Plumbing Work	Electrical Work	Exterior Work	Total
		Cut	Fill	Cut	Fill						
BULACAN PROVINCE											
1	E-04 BUSTOS ES	19,320	0	0	0	0	0	12,500	11,900		43,720
2	E-05 BUNSURAN ES	17,220	0	0	0	586,300	0	127,500	9,900		740,920
3	E-06 MATIAS B. SALVADOR MEM. ES	13,860	0	0	0	0	0	127,500	3,300		144,660
4	E-08 SIBUL ES	19,320	0	10,000	0	0	0	20,000	12,500		61,870
5	E-09 OBANDO CS	19,320	0	111,000	0	0	0	12,500	2,650		145,470
6	E-10 BAGONGBUHAY EAST CS	19,320	0	12,200	0	0	0	12,500	11,900		55,920
7	E-11 SAN RAFAEL ES (BBH ES)	17,220	0	0	0	296,400	0	127,500	13,200		454,320
8	S-10 ALEXIS G. SANTOS NHS	23,100	0	30,600	0	0	0	25,000	2,650		81,350
9	S-11 BUNSURAN HS	17,220	0	0	0	0	0	25,000	2,650		44,870
10	S-13 TALIPITIP HS	61,740	0	132,400	0	0	0	12,500	2,650		209,290
11	S-15 GUIGUINTO NATIONAL VOCATIONAL HS	12,180	0	0	0	0	0	127,500	9,250		148,930
12	S-16 FELIZARDO C. LIPANA MEM. HS	24,780	0	0	0	104,000	0	30,000	16,500		175,280
13	S-17 MEYCAUAYAN HS	32,760	0	0	0	387,000	0	137,500	11,200		568,460
14	S-18 OBANDO NHS	21,420	0	0	0	0	0	12,500	3,300		37,220
15	S-19 MAGUNAO-CRUZ NA DAAN HS	24,780	0	0	0	52,000	0	20,000	15,850		112,630
16	S-20 MARCELO H. DEL PILAR HS	23,100	0	78,000	0	0	0	127,500	16,500		245,100
17	S-21 SAN MARCOS HS	23,100	0	91,800	0	0	0	127,500	3,300		245,700
18	S-22 SAN MIGUEL HS	24,780	0	0	0	0	0	7,500	16,500		48,780
19	S-24 PARADISE FARMS HS	23,100	0	0	0	520,000	0	127,500	12,500		683,150
20	S-25 SAPANG PALAY HS	30,660	0	22,600	0	0	0	12,500	3,950		69,710
NUUEVA ECHEJA PROVINCE											
21	E-14 BONGABON CES	19,320	0	0	0	0	0	3,750	21,800		44,870
22	E-16 VEGA ES	19,320	0	63,400	0	0	0	10,000	27,050		119,770
23	E-17 LIGAYA ES	19,320	0	0	0	0	0	122,500	11,900		153,720
24	E-19 SAN FELIPE ES	15,540	0	9,200	0	0	0	127,500	2,650		154,890
25	E-21 ANDRES BONIFACIO NORTE ES	15,540	0	0	0	0	0	120,000	9,250		144,790
26	E-28 CABUCUCAN ES	19,320	0	0	0	0	0	127,500	3,300		150,120
27	E-30 MACAPINS ES	15,540	0	10,200	0	0	0	127,500	8,600		161,840
28	E-31 PACO ROMAN ES	15,540	0	0	0	0	0	127,500	9,250		152,290
29	E-32 SANTA ROSA CS	19,320	0	34,400	0	0	0	12,500	5,950		72,170
30	E-33 PAG-ASA ES	19,320	0	0	0	0	0	127,500	16,500		163,320
31	E-34 SOLEDAD ES	19,320	0	38,800	0	229,500	0	127,500	6,600		421,720
32	E-36 BALOC ES	19,320	0	19,800	0	0	0	12,500	3,300		54,920
33	E-38 ZARAGOZA CS	19,320	0	40,000	0	84,000	0	127,500	9,250		280,070
34	E-39 ALIAGA CS	19,320	0	0	0	0	0	20,000	5,300		44,620
35	E-40 CABANATUAN EAST CS	19,320	0	0	0	0	0	12,500	10,600		42,420
36	E-41 CAMP TINIO ES	19,320	0	0	0	0	0	127,500	5,950		152,770
37	E-42 MAGSALISI ES	15,540	0	23,000	0	0	0	27,500	9,900		75,940
38	S-27 GENERAL TINIO NHS	24,780	0	0	0	394,500	0	12,500	9,250		441,030
39	S-28 BAGO HS	21,420	0	13,800	0	0	0	127,500	5,250		167,970
40	S-30 PENARANDA NHS	25,200	0	0	0	0	0	25,000	9,200		59,400
41	S-31 RIZAL NHS	23,100	0	46,000	0	178,100	0	127,500	2,650		373,350
42	S-32 CABAJO HS	21,840	0	0	0	0	0	22,500	2,650		46,990
43	S-34 NUEVA ECHEJA HS	26,880	0	0	0	0	0	12,500	13,200		52,580
44	S-36 JUAN R. LIWAG MEM. HS	24,780	0	22,000	0	106,600	0	25,000	6,600		184,980
45	S-37 GUMBA NHS	39,060	0	0	0	0	0	12,500	8,550		60,110
46	S-39 PALAYAN CITY HS	19,320	0	0	0	0	0	127,500	4,975		151,795
47	S-41 AGBANAWAG HS	21,420	0	0	0	149,500	0	32,500	19,800		223,220
48	S-42 SAN FRANCISCO HS	25,620	0	0	0	0	0	25,000	8,600		59,220
49	S-44 CONSTANCIO PADDILLA NHS	23,100	0	0	0	0	0	127,500	2,650		153,250
50	S-45 SANTO DOMINGO NATIONAL TRADE SCHOOL	40,740	0	0	0	0	0	127,500	15,850		184,090
51	S-48 ZARAGOZA NHS	19,320	0	0	0	0	0	127,500	19,800		166,620
52	S-49 PUTLOD NHS	17,220	0	0	0	0	0	12,500	18,600		48,320
53	S-87 CARRANGLAN HS (Annex A - Digidig) total	25,200	320,000	809,200	0	336,000	0	3,551,250	19,800	0	713,500
grand total											17,860,965

6. Reference

No.	Name	Publisher	Year
1	Medium-Term Philippine Development Plan 1999-2004	NEDA	Sep, 1999
2	Medium-Term Philippine Development Plan 2001-2004	NEDA	Nov, 2001
3	1999 Annual Report	DECS	Sep, 2000
4	2000 Annual Report	DECS	
5	BEE Annual Report 2000	Bureau of Elementary Education, DECS	
6	Bureau of Nonformal Education, 1999 Annual Report	Bureau of Nonformal Education, DECS	
7	Bureau of Secondary Education, Annual Report for 2000	Bureau of Secondary Education, DECS	
8	DECS Service Manual 2000	DECS	
9	2001 Philippine Statistical Yearbook	National Statistical Coordination Board	Oct, 2001
1 0	1998 Annual Report	DECS	Sep., 1999
1 1	2000 Annual Report, DECS-RO III	DECS Regional Office III	2001
1 2	DECS Statistical Bulletin SY 1998-1999	DECS, RSD-OPS	June. 1999
1 3	The 2002 Basic Education Curriculum (4 th Draft)	DepEd, NEAP	Feb., 2002
1 4	Governance of Basic Education Act of 2001,	RA No.9155, Prepared by PPD-OPS	Sep., 2001
1 5	TEEP Revised Project Design	DepEd, CPISU-TEEP	2001
1 6	Restructured TEEP Executive Summary – 2001	DepEd, CPISU-TEEP	2002
1 7	SEDIP, A PRIMER	DECS, SEDIP-NPMO	2000
1 8	SEDIP NEWSLETTER	DepEd, SEDIP-NPMO	Dec., 2001
1 9	Calendar Year Report 2001, Division of Angeles City	DepEd, Region III, Division of Angeles C.	Jan., 2002
2 0	The Labor Code of the Philippines 2001 Edition	Philippine Law Gazette	2001
2 1	Metro Manila Construction Manuals Prices and Indices	Department of Trade and Industry, Construction Industry Authority of the Philippines	2001

2 2	National Building Code of the Philippines	Philippine Law Gazette	1998
2 3	National Structural Code of the Philippines	Association of Structural Engineers	1992
2 4	The Fire Code of the Philippines and Regulations	Safety Organization of the Philippines, Inc.	1978
2 5	National Plumbing Code of the Philippines	National Master Plumbers Association of the Philippines, Inc.	2000
2 6	Handbook on Educational Facilities	DECS	1993
2 7	TEEP Drawing for Construction	DepEd	2002

Appendix 7
Other Relevant Data

- (1) Selection of Project Schools and
 Calculation of Number of Classrooms to be Constructed ····· AP-39**
- (2) Educational Data of the Project Schools ····· AP-42**
- (3) Basic Plan for Software Component ····· AP-45**

Appendix 7 (1) Selection of Project Schools and Calculation of Classrooms to be Constructed

(1) Elementary Schools (55 candidates, 31recipients)

Old school ID	School Name	Class of Municipality	Selection of Project schools					Set up of number of classrooms to be planned		Number of classrooms to be constructed	Number of students per classroom after construction
			No buildable space	Selection based on Classroom Shortage				Congestion Degree	Number of classrooms to be planned		
				Number of students per classroom	Enrollment	Usable classrooms	Classroom Shortage				
Battan-3schools											
E-01	MAMBOG ES	4		49.79	697	14	3.04	2.23	3	2	43.56
E-02	BINARITAN ES	4		-	No data	10			0	0	-
E-03	ORANI NORTH ES	3		56.84	2,501	44	16.47	2.17	3	3	53.21
				Total	3,198	68	19.51	4.41	6	5	
Bulacan-8school											
E-04	BUSTOS ES	4		59.04	1594	27	11.42	0.41	3	3	53.13
E-05	BUNSURAN ES	4		83.18	1414	17	16.31	6.16	6	4	67.33
E-06	MATIAS B. SALVADOR MEM. ES	4		125.00	500	4	7.56	4.06	4	4	62.50
E-07	Dr. MANUEL G. RAMIREZ MEM. ES	4		59.40	297	5	2.16	0.05	0	0	59.40
E-08	SIBUL ES	1		71.24	1496	21	14.58	3.69	3	3	62.33
E-09	OBANDO CS	3		59.28	1719	29	12.42	0.33	3	3	53.72
E-10	BAGONGBUHAY EAST CS	1		66.38	2456	37	21.69	3.69	3	3	61.40
E-11	SAN RAFAEL ES (BBH ES)	1		65.67	3415	52	29.67	4.61	4	4	60.98
				Total	12891	192	115.80	21.42	26	24	
Nueva Ecija-31schools											
E-12	BUCOT ES	4		43.31	563	13	0.96	3.39	0	0	43.31
E-13	LA PURISIMA ES	4		55.25	221	4	1.36	0.30	0	0	55.25
E-14	BONGABON CES	4		49.97	1599	32	7.09	5.02	3	3	45.69
E-15	BONGABON EAST ES	4		52.75	422	8	2.27	0.91	0	0	52.75
E-16	VEGA ES	4		50.47	858	17	3.96	2.53	3	3	42.90
E-17	LIGAYA ES	4		54.77	712	13	4.27	1.06	3	3	44.50
E-18	TALABUTAB SUR ES	5		43.29	303	7	0.51	1.83	0	0	43.29
E-19	SAN FELIPE ES	4		84.67	254	3	2.98	1.16	2	2	50.80
E-20	LLANERA CS	5		42.04	1,093	26	1.18	7.30	0	0	42.04
E-21	ANDRES BONIFACIO NORTE ES	5		70.50	282	4	2.71	0.66	2	2	47.00
E-22	MURCON ES	5		43.00	301	7	0.47	1.86	0	0	43.00
E-23	SAN ISIDRO ES	4		34.10	682	20	2.62	8.09	0	0	34.10
E-24	BALBALUNGAO ES	4		42.14	295	7	0.33	1.95	0	0	42.14
E-25	MARIKIT ES	4		38.33	345	9	0.33	3.05	0	0	38.33
E-26	LAS PIÑAS ES	5		57.29	401	7	2.69	0.30	0	0	57.29
E-27	AGLIPAY ES	4		36.67	330	9	0.67	3.28	0	0	36.67
E-28	CABUCBUCAN ES	4		96.67	580	6	7.56	3.44	3	3	64.44
E-29	Don LORENZO ALETA ES	4		37.08	482	13	0.84	4.66	0	0	37.08
E-30	MACAPSING ES	4		60.83	365	6	2.78	0.08	2	2	45.63
E-31	PACO ROMAN ES	4		63.40	317	5	2.60	0.27	2	2	45.29
E-32	SANTA ROSA CS	4		49.71	1541	31	6.69	4.98	3	3	45.32
E-33	PAG-ASA ES	4		75.17	451	6	4.69	1.42	3	3	50.11
E-34	SOLEDAD ES	4		77.75	622	8	6.71	2.22	3	3	56.55
E-35	SANTO DOMINGO CS	4		43.71	1,049	24	1.98	6.11	0	0	43.71
E-36	BALOC ES	4		49.80	1,245	25	5.44	3.98	3	3	44.46
E-37	F. B. MESINA ES	4		36.89	332	9	0.62	3.25	0	0	36.89
E-38	ZARAGOZA CS	4		52.20	1,044	20	5.42	2.44	3	3	45.39
E-39	ALIAGA CS	4		46.85	937	20	3.04	4.11	3	3	40.74
E-40	CABANATUAN EAST CS	1		58.79	4233	72	30.07	1.36	3	3	56.44
E-41	CAMP TINIO ES	1		68.26	1297	19	11.93	2.45	3	3	58.95
E-42	MAGSALISI ES	4		62.20	311	5	2.47	0.17	2	2	44.43
				Total	23,467	455	117.04	59.89	46	46	
Pampanga-5schools											
E-43	SAN PEDRO 2 ES	4		40.00	200	5	0.00	1.56	0	0	40.00
E-44	LOURDES ES	4		44.95	944	21	2.31	4.94	0	0	44.95
E-45	SANTA ANA CES	4		49.22	1,132	23	4.71	3.88	3	3	43.54
E-46	SAN CARLOS ES	5		48.21	675	14	2.56	2.58	0	0	48.21
E-47	EPZA Resettlement ES	1		54.76	2,300	42	13.78	3.44	3	3	51.11
				Total	5,251	105	23.36	16.39	6	6	
Tarlac-5school											
E-48	MORIONES ES	4		59.38	475	8	3.44	0.08	3	3	43.18
E-49	CARAMUTAN ES	4		40.62	528	13	0.18	3.94	0	0	40.62
E-50	DUMARAIS ES	4		37.21	521	14	0.87	4.98	0	0	37.21
E-51	CALIPAYAN ES	4		41.83	251	6	0.24	1.70	0	0	41.83
E-52	SANTA IGNACIA NORTH ES	4		41.33	1,116	27	0.80	7.88	0	0	41.33
				Total	2,891	68	3.80	18.58	3	3	
Zambales-3school											
E-53	IBA CES	4		38.16	954	25	1.02	8.53	0	0	38.16
E-54	BALOGANON ES	3		56.88	910	16	6.00	0.78	3	3	47.89
E-55	SUBIC CS	3		49.78	1,991	40	8.69	6.39	3	3	46.30
				Total	3,855	81	13.67	15.70	6	6	
total			3	-	51,553	969	293.18	93.55	93	90	

note 1: The number of enrollment is based on the data of Basic Design Study Site Survey.

note 2: Gray hatch indicates the schools eliminated from the Project.

(2) Secondary Schools (87 candidates, 54 recipients)

Old school ID	School Name	Selection of Project schools										Set up of number of classrooms to be planned		Number of classrooms to be constructed	Number of students per classroom after construction
		No buildable space	No ownership document	Selection based on Congestion Degree							1,2 class municipality and Congestion Degree <3 or Classroom Shortage <20	12 classrooms to be planned	Number of classrooms to be planned		
				Number of students per classroom	Enrollment	Usable classrooms	Classroom Shortage	Congestion Degree	Class of Municipality						
Bataan - 9 schools															
S-01	Don PABLO R. ROMAN Memorial HS (Pilar HS)			65.80	1,974	30	17.20	4.67	5				4	4	58.06
S-02	SAMAL NHS			54.31	1,412	26	8.27	0.70	4				0	0	54.31
S-03	BONIFACIO CAMACHO HS			66.47	1,994	30	17.64	4.98	4				4	4	58.65
S-04	BATAAN NHS			85.29	5,629	66	66.42	30.68	1				8	8	76.07
S-05	PAGALANGGANG NHS			97.57	1,366	14	17.91	9.24	3				8	8	62.09
S-06	LUAKAN HS			59.37	2,078	35	15.07	1.87	3				0	0	59.37
S-07	HERMOSA HS			90.62	1,903	21	23.62	11.54	4				8	8	65.62
S-08	LIMAY NHS			66.80	2,672	40	23.82	6.86	1				6	6	58.09
S-09	ORANI NHS			77.06	1,310	17	14.00	5.68	3				5	4	62.38
				Total	20,338	279	203.96	74.83					43	42	
Bulacan - 16 school															
S-10	ALEXIS G. SANTOS NHS			85.36	939	11	11.09	5.13	4				5	5	58.69
S-11	BUNSURAN HS			76.79	1,459	19	15.53	6.27	4				6	4	63.43
S-12	BALAGTAS AGRICULTURAL HS			56.09	1,234	22	7.87	0.03	2				0	0	56.09
S-13	TALIPTIP HS			385.40	1,927	5	38.38	26.14	3				12	12	113.35
S-14	Doña CANDELARIA MENESES DUQUE HS			52.24	888	17	4.62	1.02	3				0	0	52.24
S-15	GUIQUINTO NATIONAL VOCATIONAL HS			70.94	1,135	16	11.00	3.79	3				3	2	63.06
S-16	FELIZARDO C. LIPANA MEM. HS			104.88	2,622	25	36.04	19.40	3				8	8	79.45
S-17	MEYCAUAYAN HS			131.53	4,998	38	77.29	45.56	1				12	12	99.96
S-18	OBANDO NHS			88.15	1,763	20	21.40	10.21	3				8	2	80.14
S-19	MAGUINAO-CRUZ NA DAAN HS			91.56	3,113	34	38.96	19.19	3				8	8	74.12
S-20	MARCELO H. DEL PILAR HS			113.59	10,337	91	148.82	83.19	1				12	4	108.81
S-21	SAN MARCOS HS			115.47	2,194	19	31.87	17.94	2				8	4	95.39
S-22	SAN MIGUEL HS			84.24	7,919	94	92.42	42.14	2				8	8	77.64
S-23	SIBUL SPRINGS			64.06	1,025	16	8.56	2.05	2				0	0	64.06
S-24	PARADISE FARMS HS			64.05	2,434	38	20.31	4.86	1				4	4	57.95
S-25	SAPANG PALAY HS			71.97	7,197	100	71.04	25.35	1				8	8	66.64
				Total	51,184	565	635.20	310.22					102	81	
Nueva Ecija - 25 schools															
S-26	SANTO TOMAS NHS			51.86	726	14	3.69	0.92	4				0	0	51.86
S-27	GENERAL TINIO NHS			79.84	1,996	25	22.13	9.46	3				8	8	60.48
S-28	BAGO HS			103.00	412	4	5.60	2.98	4				2	2	68.67
S-29	JORGE M. PADILLA NHS			54.64	601	11	3.58	0.24	4				0	0	54.64
S-30	PEÑARANDA NHS			64.50	1,548	24	13.07	3.24	5				3	3	57.33
S-31	RIZAL NHS			68.63	1,647	24	15.27	4.81	4				4	4	58.82
S-32	CABIAO HS			101.00	3,939	39	52.87	27.86	3				12	9	82.06
S-33	CUYAPO NHS			57.47	977	17	6.60	0.40	3				0	0	57.47
S-34	NUEVA ECJIA HS			121.57	7,294	60	108.76	62.44	1				12	12	101.31
S-35	MAYAPYAP HS			76.27	1,144	15	12.09	4.83	1				0	0	76.27
S-36	JUAN R. LIWAG MEM. HS			87.60	4,117	47	49.71	23.57	1				8	8	74.85
S-37	GUIMBA NHS			72.17	3,031	42	30.02	10.78	2				8	6	63.15
S-38	MUÑOZ NHS			57.06	4,793	84	31.84	1.41	2				0	0	57.06
S-39	PALAYAN CITY HS			66.91	1,539	23	13.76	3.98	4				3	3	59.19
S-40	PANTABANGAN HS			61.75	494	8	3.87	0.73	4				0	0	61.75
S-41	AGBANNAWAG HS			86.33	518	6	6.18	2.89	4				2	2	64.75
S-42	SAN FRANCISCO HS			72.00	1,152	16	11.38	4.06	3				4	4	57.60
S-43	SAN MARIANO HS			64.65	1,293	20	10.96	2.75	3				0	0	64.65
S-44	CONSTANCIO PADILLA NHS			59.74	4,899	82	35.98	4.87	2				4	4	56.97
S-45	SANTO DOMINGO NATIONAL TRADE SCHOOL			97.40	1,461	15	19.13	9.86	4				8	8	63.52
S-46	SAN RICARDO NHS			61.85	1,237	20	9.71	1.86	2				0	0	61.85
S-47	TALUGTOG NHS			54.93	769	14	4.64	0.24	5				0	0	54.93
S-48	ZARAGOZA NHS			61.49	2,152	35	16.71	3.05	4				3	3	56.63
S-49	PUTLOD NHS			84.29	1,180	14	13.78	6.29	4				6	6	59.00
S-87	CARRANGLAN HS (Annex A - Digdig)			121.33	364	3	5.42	3.11	3				3	3	60.67
				Total	49,283	662	506.73	193.83					90	85	

Secondary Schools (continued)

Old school ID	School Name	Selection of Project schools									Set up of number of classrooms to be planned		Number of classrooms to be constructed	Number of students per classroom after construction	
		⓪No buildable space	ⓐNo ownership document	①Selection based on Congestion Degree							12 classrooms to be planned	Number of classrooms to be planned			
				Number of students per classroom	Enrollment	Usable classrooms	Classroom Shortage	Congestion Degree	Class of Municipality	1,2class municipality and Congestion Degree < 3 or Classroom Shortage < 20					
Pampanga - 20 schools															
S-50	SAN RODRIGUEZ DAN NHS			58.32	1,293	32	8.95	0.91	1	●		0	0	58.32	
S-51	SAN BERNARDINO HS (Cib. Acad)	●		95.62	1,330	16	19.78	10.96	4			0	0	95.62	
S-52	BEQUARAN NHS			59.62	1,017	17	7.98	1.88	4			0	0	59.62	
S-53	CAMBA HS			71.35	1,855	26	18.11	6.33	3			6	6	57.97	
S-54	BETHS HS			49.96	1,234	25	9.80	212.63	1	●		0	0	49.96	
S-55	SAN PABLO 2nd HS			58.92	1,947	26	11.73	1.25	1	●		0	0	58.92	
S-56	REMEDIOS HS			75.21	1,058	14	16.96	4.27	1	●		0	0	75.21	
S-57	MAUQUE RESETTLEMENT HS			89.52	1,990	21	23.11	11.17	1			8	4	75.20	
S-58	CAMATCHILES RESETTLEMENT HS (Sapang Biabas)			90.06	1,621	18	20.02	9.73	1			8	8	62.35	
S-59	SAN VICENTE-SAN FRANCISCO HS			74.25	1,495	20	15.22	5.79	3			5	3	64.57	
S-60	DOLORES HS			59.07	869	15	6.46	0.78	4			0	0	59.07	
S-61	POHAC MODEL COMMUNITY HS			77.92	1,191	15	15.44	5.08	2	●		0	0	77.92	
S-62	ANGELES CITY NHS (Pampang)			89.75	5,116	57	63.02	30.54	1			8	4	83.87	
S-63	ANGELES CITY NATIONAL TRADE SCHOOL			100.31	2,909	29	38.87	20.40	1			8	8	78.62	
S-64	PAMPANGA HS			81.15	9,495	117	107.00	46.71	1			8	8	75.96	
S-65	SINDALAN HS			141.15	1,835	13	29.22	17.57	1			○	12	12	73.40
S-66	NATIVIDAD HS (Annex)			80.22	808	9	9.04	1.98	1	●		0	0	80.22	
S-67	SAN VICENTE HS			58.95	1,228	21	9.95	0.78	1	●		0	0	58.95	
S-68	BALITUCAN NHS (Annex)			74.00	1,776	24	18.13	6.86	4			6	6	59.20	
S-69	ANGELES CITY HS (Pandani)			88.36	4,153	47	50.51	24.14	1			8	8	75.51	
				Total	43,787	554	480.60	202.59				77	67		
Tarlac - 16 schools															
S-70	SAN MANUEL HS			78.11	1,406	18	15.24	6.32	5			6	6	58.58	
S-71	GUEVARRA NHS			98.29	1,376	14	18.13	9.40	4			8	8	62.55	
S-72	DAPDAP RESETTLEMENT HS			80.61	1,879	31	18.20	2.27	5			0	0	60.61	
S-73	BENIGNO S. AQUINO MEM. HS			87.00	5,655	65	67.89	31.98	1			8	8	77.47	
S-74	BILAD RESETTLEMENT HS			84.90	769	12	9.40	1.92	2	●		0	0	84.90	
S-75	MARAWI HS			108.75	830	8	11.38	6.68	2	●		0	0	103.75	
S-76	BIBERRA HS			81.50	492	0	3.82	0.75	2	●		0	0	81.50	
S-77	SANTO DOMINGO HS (CAPAS)			178.10	3,740	21	64.44	40.70	2			○	12	12	113.33
S-78	ODONNELL RESETTLEMENT HS			75.25	1,897	24	18.92	7.25	2	●		0	0	75.25	
S-79	RAMOS HS			83.41	1,078	17	9.84	2.05	5			0	0	69.41	
S-80	TARLAC NATIONAL VOCATIONAL HS			84.25	1,295	20	19.78	2.88	2	●		0	0	84.25	
S-81	PADAPADA HS			126.60	1,266	10	19.24	11.21	4			8	8	70.33	
S-82	TARLAC NHS (Main)	●		74.40	8,824	85	88.98	24.83	1			0	0	74.40	
S-83	TARLAC NHS (Annex)			85.87	1,597	38	21.38	6.68	1	●		0	0	85.87	
S-84	MALIWALO HS			100.68	3,121	31	41.80	21.98	1			8	8	80.03	
S-85	VICTORIA HS			81.62	3,428	42	38.84	17.08	3			8	8	68.56	
				Total	36,982	444	426.71	192.03				58	58		
Zambales - 1 school															
S-86	GORDON HEIGHTS HS			92.28	1,661	18	20.91	10.37	1			8	2	83.05	
				Total	1,661	18	20.91	10.37				8	2		
	total	1	0	—	203,215	2522	2274.11	883.88	—	22	7	378	335		

note 1: The number of enrollment is based on the data of Basic Design Study Site Survey.
 note 2: Gray hatch indicates the schools eliminated from the Project.

(2) Educational Data of the Project Schools

a. Elementary School

old ID	Name of School	Shift	Enrollment for the past years				2001-02 (girls)	Enrollment by Grade (2001-02)						Number of Teachers	
			1997-98	1998-99	1999-00	2000-01		1	2	3	4	5	6		
BATAAN PROVINCE															
E-01	MAMBOG ES	1	700	721	731	738	697	348	115	114	123	108	124	113	17
E-03	ORANI NORTH ES	1	2,735	2,764	2,739	2,596	2,501	1,240	448	378	405	405	415	450	68
BULACAN PROVINCE															
E-04	BUSTOS ES	1	1,396	1,457	1,529	1,537	1,594	770	302	255	302	263	236	236	36
E-05	BUNSURAN ES	1	1,115	1,141	1,289	1,341	1,414	711	323	240	234	192	226	199	23
E-06	MATIAS B. SALVADOR MEM. ES	1	362	380	447	466	500	234	88	85	85	70	98	74	9
E-08	SIBUL ES	1	1,382	1,293	1,428	1,450	1,496	720	354	231	256	211	229	215	32
E-09	OBANDO CS	1	1,606	1,624	1,813	1,684	1,719	830	328	275	269	278	309	260	43
E-10	BAGUMBAY EAST CS	2	2,363	2,461	2,423	2,526	2,529	1,222	481	416	409	405	384	358	58
E-11	SAN RAFAEL ES (BBH ES)	2	3,049	3,256	3,329	3,415	3,415	1,647	688	558	587	538	540	504	65
NUEVA ECIIJA PROVINCE															
E-14	BONGABON CES	1	1,624	1,632	1,669	1,602	1,599	780	302	251	294	262	251	239	34
E-16	VEGA ES	1	876	888	858	869	858	394	181	140	138	121	146	132	21
E-17	LIGAYA ES	1	753	747	742	641	712	359	146	108	128	114	95	121	17
E-19	SAN FELIPE ES	1	128	170	248	235	254	117	74	40	46	53	28	23	5
E-21	ANDRES BONIFACIO NORTE ES	1	103	117	282	297	282	139	41	44	39	54	57	48	6
E-28	CABUCBUCAN ES	1	572	582	594	574	580	270	118	93	98	80	105	86	12
E-30	MACAPSING ES	1	318	348	304	355	365	170	64	68	55	50	54	52	8
E-31	PACO ROMAN ES	1	305	337	333	324	317	153	62	50	47	49	56	53	7
E-32	SANTA ROSA CS	1	1,422	1,519	1,500	1,561	1,541	758	291	244	254	256	248	248	39
E-33	PAG-ASA ES	1	357	394	404	427	451	220	110	81	64	76	61	59	7
E-34	SOLEDA ES	1	593	591	507	592	622	387	157	102	99	96	86	82	11
E-36	BALOC ES	1	1,300	1,264	1,250	1,317	1,275	626	218	204	193	192	242	226	25
E-38	ZARAGOSA CS	1	1,132	1,124	1,087	1,093	1,044	542	178	165	183	175	175	168	26
E-39	ALIAGA CS	1	675	916	918	933	937	440	163	147	151	178	153	145	23
E-40	CABANATUAN EAST CS	1	3,343	3,510	2,747	4,070	4,233	2,123	785	666	696	728	725	633	99
E-41	CAMP TINIO ES	2	1,121	1,195	1,279	1,262	1,297	404	240	193	203	201	236	224	29
E-42	MAGSALISI ES	1	284	295	missing data	318	311	158	57	54	51	61	48	41	6
PAMPANGA PROVINCE															
E-45	SANTA ANA CES	2	1,038	1,073	1,091	1,132	1,132	531	191	180	188	173	206	192	25
E-47	EPZA ES	2	930	968	877	987	2,300	571	562	400	328	355	340	315	56
TARLAC PROVINCE															
E-48	MORIONES ES	1	405	413	457	459	475	217	89	56	88	89	89	64	7
ZAMBALES PROVINCE															
E-54	BALOGANON ES	1	935	947	947	923	910	454	172	146	146	143	150	153	23
E-55	SUBIC CS	1	1,877	1,885	1,996	2,007	1,991	980	328	342	344	340	329	308	49

b. Secondary School

old ID	Name of School	Shift	Enrollment for the past years				2001-02 (girls)	Enrollment by Grade (2001-02)						Number of Teachers	
			1997-98	1998-99	1999-00	2000-01		1	2	3	4	5	6		
BATAAN PROVINCE															
S-01	Don PABLO ROMAN NHS (Pilar H)	1	2,019	1,936	1,940	1,825	1,974	933	697	483	438	356			54
S-03	BONIFACIO CAMACHO HS	1	2,143	2,138	2,066	2,128	1,994	1,013	624	554	437	379			62
S-04	BATAAN NHS	1	4,528	4,588	4,833	5,016	5,629	2,766	1,921	1,417	1,283	1,008			137
S-05	PAGALANGANG HS	1	749	1,027	1,161	1,293	1,366	640	442	369	305	250			20
S-07	HERMOSA HS	1	1,550	1,544	1,626	1,701	1,903	916	679	472	393	359			46
S-08	LIMAY HS	1	2,318	2,443	2,449	2,462	2,672	1,276	858	681	615	518			64
S-09	ORANI NHS	1	487	660	875	1,021	1,310	624	494	353	268	195			21
BULACAN PROVINCE															
S-10	ALEXIS G. SANTOS NHS	1	1,125	852	847	852	939	460	319	214	240	166			24
S-11	BUNSURAN HS	1	1,048	1,144	1,239	1,317	1,459	786	540	325	358	263			33
S-13	TALIPTIP HS	2	1,716	1,771	1,752	1,765	1,927	943	589	520	463	355			40
S-15	GUIGUINTO NATIONAL VOCATIO	1	758	775	785	924	1,135	641	465	298	217	155			29
S-16	FELIZARDO C. LIPANA MEM. HS	2	1,717	1,998	2,040	2,378	2,622	1,323	863	718	565	476			45
S-17	MEYCAUAYAN HS	1	1,927	2,261	2,685	4,072	4,998	2,472	1,872	1,522	913	691			88
S-18	OBANDO NHS	1	641	758	1,071	1,428	1,763	844	625	478	407	253			27
S-19	MAGUINAO-CRUZ NA DAAN HS	1	2,662	2,577	2,624	2,859	3,113	1,639	1,022	759	720	612			61
S-20	MARCELO H. DEL PILAR HS	2	9,300	9,630	9,734	10,212	10,337	5,406	3,460	2,592	2,223	2,062			263
S-21	SAN MARCOS HS	1	1,185	1,393	1,661	1,720	2,194	1,138	751	568	495	380			45
S-22	SAN MIGUEL HS	1	6,898	7,039	7,144	7,144	7,919	4,090	2,676	1,964	1,698	1,581			166
S-24	PARADISE FARMS HS	1	1,589	1,779	1,867	2,169	2,434	1,255	929	606	468	431			51
S-25	SAPANG PALAY HS	1	6,332	6,349	6,097	6,416	7,197	3,679	2,927	1,812	1,398	1,060			154
NUUEVA ECIIJA PROVINCE															
S-27	GENERAL TINIO NHS	1	1,895	2,000	1,844	1,796	1,996	1,071	672	497	431	396			82
S-28	GENERAL TINIO HS	1	365	372	369	406	412	195	121	106	93	92			9
S-30	PENARANDA NHS	1	1,652	1,794	1,652	1,463	1,548	766	500	375	350	323			47
S-31	RIZAL NHS	1	1,325	1,408	1,472	1,491	1,647	852	538	444	356	305			40
S-32	CABIAO HS	2	4,324	4,310	4,564	4,196	3,939	2,068	1,251	1,011	874	803			120
S-34	NUUEVA ECIIJA HS	1	5,595	5,855	6,318	7,054	7,294	3,780	2,252	2,056	1,569	1,344			164
S-36	JUAN R. LIWAG MEM. HS	1	4,591	4,851	3,917	3,716	4,117	2,112	1,380	1,062	887	788			127
S-37	GUIMBA NHS	1	1,872	2,065	2,400	2,787	3,031	1,472	1,062	831	649	489			55
S-39	PALAYAN CITY HS	1	1,148	1,255	1,250	1,334	1,539	779	543	384	370	242			34
S-41	AGBANAWAG HS	1	432	442	445	466	518	268	163	138	123	94			15
S-42	SAN FRANCISCO HS	1	956	912	978	1,047	1,152	603	412	272	246	222			30
S-44	CONSTANCIO PADILLA NHS	1	4,387	4,199	4,444	4,608	4,899	2,594	1,650	1,308	1,073	868			105
S-45	SANTO DOMINGO NATIONAL TR	1	1,076	990	1,109	1,257	1,461	692	564	369	320	208			68
S-48	ZARAGOSA NHS	1	1,962	1,962	2,004	2,088	2,152	1,154	654	554	509	435			53
S-49	PUTLOD NHS	1	960	919	928	1,041	1,180	639	396	314	277	193			30
S-87	CARANGLAN HS (Annex)	1	150	241	338	332	364	187	144	97	76	47			8
PAMPANGA PROVINCE															

S-53	CAMBA HS	1	1,211	1,292	1,463	1,563	1,855	1,017	700	464	359	332	/	/	32
S-57	MAUAQUE RESETTLEMENT HS	2	1,456	1,578	1,586	1,706	1,880	951	679	479	420	302	/	/	37
S-58	CAMATCHILE RESETTLEMENT H	2	1,155	1,439	1,718	1,574	1,621	797	578	418	360	797	/	/	30
S-59	SAN VICENTE-SAN FRANCISCO	1	1,158	1,180	1,203	1,367	1,485	734	499	381	327	278	/	/	31
S-62	ANGELES CITY NHS	2	2,669	3,094	3,676	3,970	5,116	2,617	1,858	1,278	1,149	830	/	/	132
S-63	ANGELES CITY NATIONAL TRAD	2	2,610	2,731	2,543	2,645	2,909	1,356	957	788	678	486	/	/	92
S-64	PAMPANGA HS	2	8,397	8,071	8,708	8,957	9,495	5,014	3,163	2,378	2,088	1,866	/	/	293
S-65	SINDALAN HS	1	1,310	1,337	1,511	1,581	1,835	882	684	494	365	292	/	/	35
S-68	BALITUCAN NHS (Annex)	1	1,392	1,388	1,490	1,645	1,776	825	575	492	429	280	/	/	42
S-69	ANGELES CITY HS	2	2,450	2,867	3,655	3,522	4,153	2,071	1,552	1,118	812	671	/	/	87
TARLAC PROVINCE															
S-70	SAN MANUEL HS	1	1,233	1,149	1,261	1,218	1,406	694	501	351	310	244	/	/	37
S-71	GUEVARRA NHS	1	1,361	1,375	1,332	1,281	1,376	676	461	375	291	280	/	/	39
S-73	BENIGNO S. AQUINO MEM. HS	1	4,776	4,828	4,962	5,143	5,655	2,920	1,966	1,476	1,148	1,067	/	/	127
S-77	SANTO DOMINGO HS	1	2,544	2,809	3,030	3,354	3,740	1,825	1,192	1,015	857	676	/	/	62
S-81	PADAPADA HS	1	711	790	877	1,170	1,266	661	371	352	301	242	/	/	30
S-84	MALIWALO HS	2	2,470	2,594	2,662	2,737	3,121	1,532	1,113	809	649	548	/	/	79
S-85	VICTORIA HS	1	3,046	3,286	3,209	3,231	3,428	1,780	1,183	835	715	695	/	/	86
ZAMBALES PROVINCE															
S-86	GORDON HEIGHTS HS	-	1,035	1,221	1,322	1,505	1,661	801	627	406	365	263	/	/	48

(3) Basic Plan for Software Component

1. Background

Some facilities and equipment of schools, which were constructed and supplied by the grant aid project of the Phase I to V, are found not being in a good condition because of the lack of appropriate maintenance such as repairing and cleaning. Some Project schools (of this Phase) are also having problems in maintenance of the existing facilities and equipment. If these schools keep the existing maintenance condition, the same kind of problems might happen to the both existing and Project buildings.

Therefore, for the sake of the effective and sustainable use of the facilities and equipment of the Project, it is necessary to improve the present maintenance system. Thus, utilizing the software component, the activities are carried out to establish the know-how and to inform the principals and other stakeholders regarding the matter.

2. Direct Effects

Through the implementation of this software component, the following effects are expected.

- ① Those in charge of maintenance at Project schools will improve the knowledge and skills on maintenance.
- ② The appropriate maintenance activities will be carried out at Project schools.

3. Type of Implementation

The software component of this Project supports the improvement of management skills for those in charge of maintenance activities at each Project school.

4. Activities

As part of the Project, the following activities are to be carried out by the consultant:

① Making a Guideline at Project schools

The technical and managerial items necessary for maintaining the facilities, equipment, and furniture will be covered in the Guideline. A guideline is composed of two volumes, one covering managerial aspects, and the other covering technical aspects.

Contents of "Guideline on Maintenance and Management" (provisional)

- 1 . Objectives of the Maintenance Activities
- 1 – 1 Present situation and Existing Problems
- 1 – 2 Necessity for the Maintenance Activities
- 1 – 3 What are Maintenance Activities?

- 1 – 4 Objectives of the Maintenance Activities
- 1 – 5 DepEd's Policies regarding the Maintenance Activities of School Facilities
 - 1 – 5 – 1 Minimum Standards regarding the Maintenance of School Facilities
 - 1 – 5 – 2 The Supervising and Monitoring Role of DepEd Regarding Maintenance

- 2 . Demarcation of Roles and Responsibilities at the School Level
 - 2 – 1 Confirming Who is in Charge of Maintenance of School Facilities
 - 2 – 2 Confirming the Roles of Respective Organizations
 - 2 – 2 – 1 Role of PTCA
 - 2 – 2 – 2 Role of School Maintenance Committee
 - 2 – 2 – 3 Role of Teachers
 - 2 – 2 – 4 Role of Students

- 3 . Making a Plan for Maintenance and Management of School Facilities
 - 3 – 1 Making Maintenance and Management Activity Lists
 - ① Areas and Area Detail
 - ② Objective (Facility Use, Cleaning and Sanitation, Checking, Repairing, etc.)
 - ③ Frequency of Activities (Daily, Weekly, Monthly or Annually)
 - 3 – 2 Confirming How to Implement the Activities (Methods, Techniques, Tools, etc)
 - 3 – 3 Establishing the Implementation and Management System
 - 3 – 3 – 1 Confirming the Personnel in Charge of Maintenance and Management
 - 3 – 3 – 2 Use of Contractors
 - 3 – 3 – 3 Roles of Related Agencies (DepEd Divisio Office, DPWH etc.)
 - 3 – 4 Financial Management Regarding Maintenance Activities
 - 3 – 4 – 1 The Estimating of Maintenance Activity Costs
 - 3 – 4 – 3 Fund Raising
 - 3 – 4 – 4 Finance Managing and Keeping Maintenance Activity Records
 - 3 – 5 Scheduling for Implementation
 - 3 – 6 Making and Recording of Maintenance Reports
 - 3 – 7 Evaluating and Making a Plan for the Following Year

- Maintenance Manual: Technical Aspects of Maintenance (Separate Volume)
 - 1 How to Use the Facilities
 - 2 How to Clean the Facilities
 - 3 How to Maintain the Sanitary Conditions of All Related Facilities
 - 4 How to Check the Facilities

5 How to Repair the Facilities

② Explanation of the Guideline

Seminars will be held targeting those in charge of the maintenance activities at each Project school. Along with the explanation of the Guidelines, case studies about previous phases of the Project will be introduced. The seminars encourage the Project schools to make plans for maintenance activities during the construction period, and each Project school will report its progress regularly to the Division office of DepEd. At the same time, DepEd will be encouraged to monitor each school's progress and offer any follow-up necessary for the Project schools. The seminars will be held before construction and will explain all the items which need to be prepared by the Project schools before and during the construction.

Contents of Seminar

1. Time : Seminars will be held during the Detailed Design both in 1st and 2nd stages
2. Place :
 1st Stage : San Fernando (Pampanga) Balanga (Bataan)
 2nd Stage : Cabanatuan (Nueva Ecija) Malolos (Bulacan)
3. Participants : DepEd Central Office
 OPS (Office of Planning Service) : Educational Officer
 EDPITAF : Architectural Engineer
 DepEd Regional Office (Region III)
 Regional Facility Coordinator
 DepEd Division Office
 Division Planning Officer
 Division Facility Coordinator
 Project Schools
 Principals
 Those in Charge of Maintenance of Facilities
 Consultant
 Japanese Consultant
4. Contents of the Program (subject to change)
 - (1) Self-Introduction of All Participants
 - (2) Explanation of the Program (OPS Educational Officer)

The educational officer in OPS will explain the objectives and contents of this program.

(3) Review Case Studies About Maintenance Conditions of Existing Facilities
(EDPITAF Architectural Engineer)

Various problems and examples of maintenance conditions at schools in past phases of the Project will be introduced using slides, and the basic policies of DepEd regarding maintenance of school facilities will be presented.

(4) Mini-Workshop (Consultant)

Based on the case studies, the problems regarding maintenance and management will be analyzed by utilizing visual tools such as a problem tree.

(5) Explanation of the "Guidelines on Maintenance and Management" (Consultant)

The Consultant will explain the contents of the "Guidelines on Maintenance and Management." Questions and comments from the participants will be collected and, if necessary, will be reflected in the revising of the guidelines.

(6) Explaining of Items to be Prepared by Each Project School

Along with the schedule of the Project, the following points will be explained:

- a) items to be prepared by each Project schools before and during construction;
- b) making maintenance and management plans as described in the guidelines;
- c) items that need to be reported.

In addition, the person in charge of maintenance at the Division Office will explain how to monitor and/or receive those reports.

③ Explanation of the Maintenance Activities and the Usage of the Guideline

Joint seminars will be held at the Project schools in order to explain the maintenance of facilities and the use of the Guidelines. The joint seminars will be held at those Project schools which were constructed at an earlier period. The seminars will be held in such a way that they do not disturb the completion of construction.

Contents of Seminar

- 1 . Time : Seminars will be held during the construction both in 1st and 2nd stages
- 2 . Place : Seminars will be held at those schools where construction has already been completed in the following areas.
 - 1st Stage : San Fernando (Pampanga) , Balanga (Bataan)
 - 2nd Stage : Cabanatuan (Nueva Ecija) , Malolos (Bulacan)

3 . Participants :

DepEd central office

OPS (Office of Planning Service) : Educational Officer

EDPITAF : Architectual Engineer

DepEd Regional Office (Region III)

Regional Facility Coordinator

DepEd Division Office

Division Planning Officer

Division Facility Coordinator

Project Schools

Principals

Those in Charge of Maintenance of Facilities

Consultants

Japanese Consultant (Maintenance)

Japanese Consultant (Architectural Supervisor)

Local Consultant (Architectural Engineer)

4 . Contents of the Program (subject to change)

(1) Self-Introduction of All Participants

(2) Observing the Completed Facilities

Guided by the consultants, seminar participants will tour the new Project facilities.

(3) Briefing on the Technical Aspect of Maintenance

(EDPITAF Engineer, Architectural Consultant)

The way to use and maintain school facilities in technical terms will be explained by an architectural engineer of DepEd and by the local architectural consultant.

(4) Explaining How to Use the Guideline

The way to utilize the Guideline on Maintenance and Management will be explained through the use of case studies. The progress of the participants in making maintenance activity reports and the newly recognized problems will be confirmed.

(5) Mini- Workshop

Based on the case studies, problems regarding maintenance and management will be analyzed through utilizing visual tools such as a problem tree

Table 1 Detailed Activities Plan

Activities	Type of Activities	Days of Work	Outcomes
1. Making a Guideline	Work done in Japan	1 st Stage: 15 days	Guideline on Maintenance
2. Explanation of the Guideline	Holding Seminars	1 st Stage: 1 day × 2 places 2 nd Stage: 1 day × 2 places	Report
3. Explanation of the maintenance activities and the use of the Guideline	Holding Seminars	1 st Stage: 1 day × 2 places 2 nd Stage: 1 day × 2 places	Report

5. Use of Consultant

The scale of this software component is relatively small and requires only a few days of work on the actual activities for making the guideline and holding the seminars. Thus, in terms of efficiency, all the activities will be done by a Japanese consultant without any hiring of local consultants. This agreement is in cooperation with DepEd.