

APPENDIXES

Appendix 1 List of Study Team Members/Name

(1) At the First Contract (From February to March, 2004)

Name	In Charge	Affiliation/Post
(1) Keiichi Yamamoto	Project Manager	System Science Consultants Inc.
(2) Hisashi Iami	Construction Planner	System Science Consultants Inc.
(3) Kentaro Nishiyama	Procurement Planner/ Cost Estimator	System Science Consultants Inc.
(4) Mutsumi Gando	Architectural Planner	System Science Consultants Inc.

(2) At the Second Contract (From May to July, 2004)

Name	In Charge	Affiliation/Post
(1) Mutsumi Gando	Project Manager	System Science Consultants Inc.
(2) Hisashi Imai	Construction Planner	System Science Consultants Inc.
(3) Kentaro Nishiyama	Procurement Planner/ Cost Estimator 1	System Science Consultants Inc.
(4) Shinichiro Takeda	Cost Estimator 2	System Science Consultants Inc.
(5) Kazuaki Tani	Architectural Planner	System Science Consultants Inc.
(6) Hiromi Okawa	Structure Planner	System Science Consultants Inc.

Appendix 2 Study Schedule

Number of Days	Date	A Day of the week	Project Manager	Construction Planner	Procurement Planner/ Cost Estimator	Architectural Planner
			Yamamoto	Imai	Nishiyama	Gando
1	28th of Feb.	Sat.	Narita to Bangkok to Phnom Penh		Narita to Bangkok to Phnom Penh	
2	29th of Feb.	Sun.	Inspection of the Sight, Meeting in the Group		Inspection of the Sight, Meeting in the Group	
3	1st of Mar.	Mon.	Ambassador, JICA Office Compliment, Education, Youth and Sport Ministry, Phnom Penh Compliment (Explanation of Reception)		Ambassador, JICA Office Compliment, Education, Youth and Sport Ministry, Phnom Penh Compliment (Explanation of Reception)	
4	2nd of Mar.	Tue.	Ministry of Education Conference, Inspection of Sight	Narita to Bangkok to Phnom Penh	Ministry of Education Conference, Inspection of Sight	
5	3rd of Mar.	Wed.	Survey of the Field Agency		Survey of Procurement situation and calculation (Material shop)	Survey of the sight situation
6	4th of Mar.	Thu.	Survey of Sight situation		Survey of Procurement situation and calculation (Material shop)	Survey of the sight situation
7	5th of Mar.	Fri	Survey of the Field Agency		Survey of Procurement situation and calculation (Construction Agency)	Survey of the sight situation
8	6th of Mar.	Sat	Survey of the Field Agency		Survey of Procurement situation and calculation (Construction Agency)	Survey of the sight situation
9	7th of Mar.	Sun	Arrangement of Materials			
10	8th of Mar.	Mon	Survey of other donors and similar facilities		Survey of Procurement situation and calculation (Institution)	Survey of other donors and similar facilities
11	9th of Mar.	Tue	Survey of the Field Agency		Survey of Procurement situation and calculation (Material Shop)	Survey of Sight situation
12	10th of Mar.	Wed	Ministry of Education Conference (about Construction Design)		Survey of Procurement situation and calculation (Institution)	Ministry of Education Conference (about Construction Design)
13	11th of Mar.	Thu	Ministry of Education Conference (about Construction Design)		Survey of Procurement situation and calculation (Material Agency)	Ministry of Education Conference (about Construction Design)
14	12th of Mar.	Fri	Survey of other donors and similar facilities		Survey of Procurement situation and calculation (Construction Agency)	Survey of other donors and similar facilities
15	13th of Mar.	Sat	Receive the Estimation from the Actual Agency		Survey of Procurement situation and calculation (Construction Agency)	Additional Survey
16	14th of Mar.	Sun	Arrangement of Materials			
17	15th of Mar.	Mon	Ambassador, JICA Office Compliment, Education, Youth and Sport Ministry, Report on Phnom Penh City			
18	16th of Mar.	Tue	Phnom Penh to Bangkok	Phnom Penh to Bangkok	Survey of Procurement situation and calculation (Construction and Material Agency)	Survey of the local firms
19	17th of Mar.	Wed	Survey of the local firms	Bangkok to Narita	Survey of Procurement situation and calculation (Construction and Material Agency)	Survey of the local firms
20	18th of Mar.	Thu	Survey of the local firms		Phnom Penh to Bangkok	Phnom Penh to Bangkok
21	19th of Mar.	Fri	Bangkok to Narita		Bangkok to Narita	Bangkok to Narita

Appendix 3 List of Parties Concerned in the Recipient Country

CDC (Council for the Development of Cambodia)

Ms. Heng Sokun	Director, Bilateral Aid Coordination Dept.
Ms. Phana Veunida	Officer
Harumi Okawa	JICA Specialist

MoEYS

Mr. Im Sethy	Secretary of State
Mr. Bun Sok	Sub-secretary of State
Mr. Chea Oeung	Deputy Director General of Administration and Finance
Mr. Lor Lath	Director of Material and State Property Dept.
Mr. Yang Yano	Director of Cultural Relations and Scholarship Dept.

Phnom Penh Municipality

Mr. Kep Chuk Tema	Governor of Phnom Penh Municipality
Mr. Map Sarin	Vice Governor of Phnom Penh Municipality
Mr. Nuon Someth	Deputy Chief of Cabinet

Education, Youth and Sport Service

Mr. Meas Ngek	Deputy Director
Mr. Em Ham Khuon	Chief, Planning Office
Mr. Nhov Kosal	Planning Office
Mr. Chea Cheat	Deputy Director of Primary and Pre-primary Office

Ministry of Public Works and Transport

Mr. Keo Leap	Director General of Building and Public Works Laboratory
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JICA Cambodia Office

Jyurou Chikaraishi	Director
Hiroto Mitsuji	Deputy
Emi Aizawa	Director

Embassy of Japan

Kazumi Chikami	Counselor
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Appendix 4 Minutes of Discussions

MINUTES OF DISCUSSIONS
ON THE IMPLEMENTATION REVIEW STUDY
ON THE PROJECT FOR CONSTRUCTION OF PRIMARY SCHOOLS
IN PHNOM PENH
IN THE KINGDOM OF CAMBODIA

In November 2002, based on the results of the Basic Design Study, the notes on the grant aid for the Project for Construction of Primary Schools in Phnom Penh (hereinafter referred to as "the Project") were exchanged between the Government of the Kingdom of Cambodia (hereinafter referred to as "Cambodia") and the Government of Japan. However, because tendering for the Project was not successfully conducted, the Project could not enter into the construction stage.

In response to a request from the Government of Cambodia for the realization of the Project, the Government of Japan decided to conduct a Implementation Review Study on the Project for the cabinet approval and entrusted the study to the Japan International Cooperation Agency (hereinafter referred to as "JICA").

JICA sent to Cambodia the Implementation Review Study Team (hereinafter referred to as "the Team"), which is headed by Mr. Keiichi YAMAMOTO, System Science Consultants Inc., and is scheduled to stay in the country from February 28, 2004 to March 18, 2004.

The Team held discussions with the officials concerned of the Government of Cambodia and conducted a field survey at the study area.

In the course of discussions and field survey, both parties confirmed the main items described on the attached sheets. The Team will proceed to further works and prepare the Implementation Review Study Report.

Phnom Penh, March 15, 2004



H.E. Map Sarin
Deputy Governor,
Phnom Penh Municipality
(The Kingdom of Cambodia)

Mr. Keiichi YAMAMOTO
Chief Consultant,
Implementation Review Study Team
Japan International Cooperation Agency
(Japan)



With a witness of
H. Hain Sethy
Secretary of State
Ministry of Education, Youth
and Sport
(The Kingdom of Cambodia)

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ATTACHMENT

1. Objective of the Project

The objective of the Project is to improve the educational environment of Primary education in Phnom Penh through reconstruction and expansion of school buildings of existing schools.

2. Project Sites

The Project sites are located in Phnom Penh.

3. Responsible and Implementing Organization

3-1. The responsible organizations are the Ministry of Education, Youth and Sport and the Phnom Penh Municipality.

3-2. The implementing organization is the Education, Youth and Sport Service of the Phnom Penh Municipality.

3-3. The organization charts of the Ministry of Education, Youth and Sport and the Phnom Penh Municipality are attached as Annex 1.

4. Items requested by the Government of Cambodia

After discussions with the Team, the items described in the Basic Design Report and Annex 2 were finally requested by the Cambodian side. JICA will estimate in Japan the total cost for the Project and will recommend findings to the Government of Japan for approval.

5. Japan's Grant Aid Scheme

The Cambodian side understands the Japan's Grant Aid Scheme and the necessary measures to be taken by the Government of Cambodia as explained by the Team and described in Annex 4 and Annex 5 of the Minutes of Discussions signed by both parties on March 22, 2002.

6. Schedule of the Study

6-1. The consultants will proceed to further studies in Cambodia until March 18, 2004.



6-2. JICA will prepare the final report and send it to the Government of Cambodia by May, 2004.

7. Other Relevant Issues

7-1. Objective of the Implementation Review Study

The objectives of the Implementation Review Study are as follows.

- Review on designs and drawings
- Review on the construction plan
- Re-estimation of the Project cost

7-2. Principle of the Project

(1) The schools, the components and the number of facilities covered by the Project will not be changed unless their needs have become less compared to the assumption in the Basic Design Report or the total estimated cost exceeds the ceiling for the grant aid for the Project.

(2) The ceiling for the grant aid for the Project is the balance between the amount described in the Exchange of Notes signed on November 28, 2002 and the amount used for the detailed design and the Implementation Review Study.

7-3. Priority of the Contents of the Project

Both sides agreed that the following options will be taken in case that the total amount of estimated project cost exceeds the ceiling for the grant for the Project. The Cambodian side agreed to consider those options and to inform the Japanese side the result of the consideration by March 26, 2004.

- (1) To reduce the number of classrooms to be constructed at all the target schools, or
- (2) To choose one school to be removed from the target school from the Project

7-4. Modification of the Basic Design requested by the Cambodian Side

The Cambodian side requested to the Team the modification of the Basic Design as shown in Annex 3 and gave the Team explanation about the request. The contents of the request will be examined by the Japanese side and the final decision on this matter will be made by the Japanese side during further study in Japan



7-5. Tender Document Prepared by Mohri, Architect & Associates Inc.

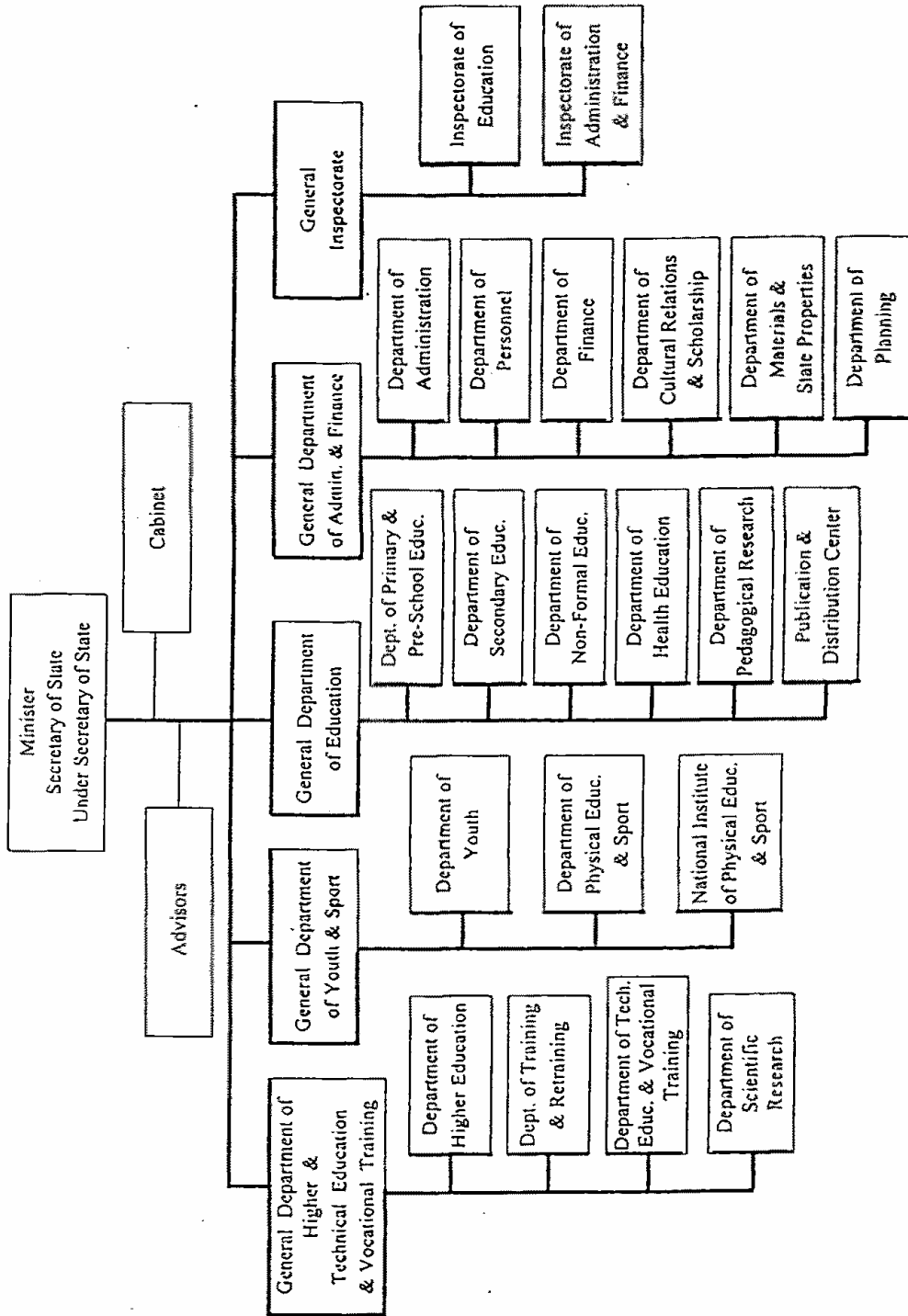
The Cambodian side agreed that the Japanese side would utilize the tender document including drawings and specifications prepared by Mohri, Architect & Associates Inc. during the detailed design stage for the Project.

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Annex 1: Organization Chart

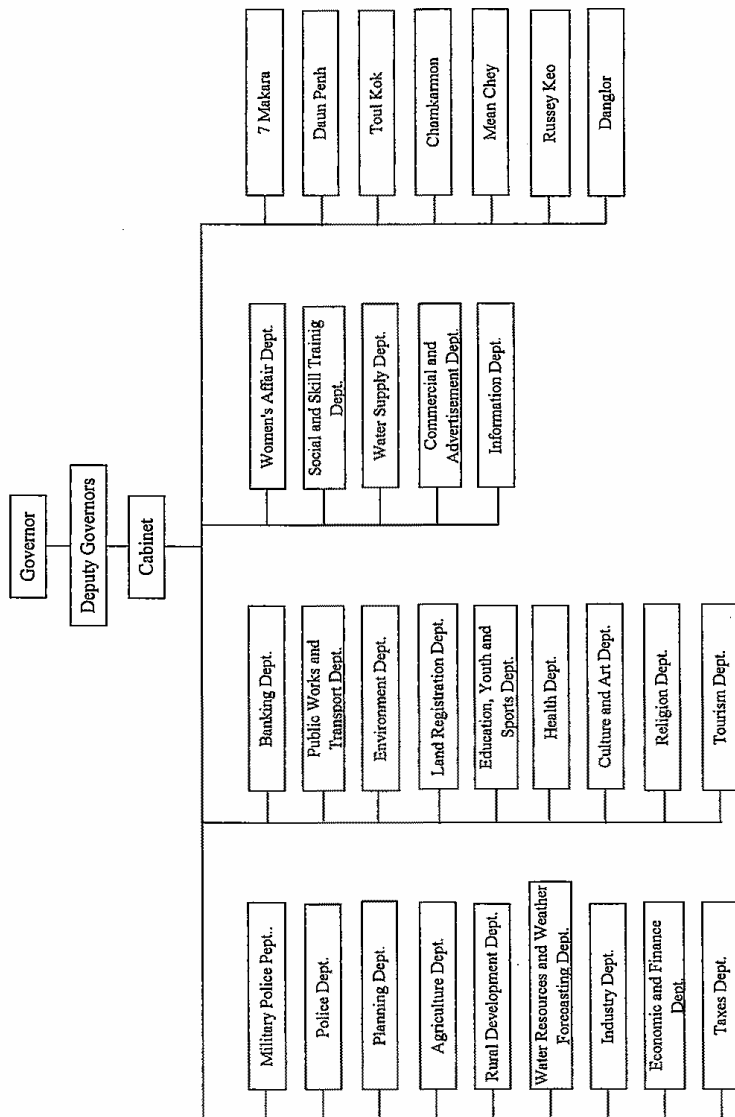
**ORGANIZATIONAL CHART OF
THE MINISTRY OF EDUCATION, YOUTH AND SPORT**



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ORGANIZATIONAL CHART OF PHNOM PENH MUNICIPALITY



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Annex 2: Major items requested by the Government of Cambodia

School Name	Number of Facilities						Number of Equipment			
	No. of New Classrooms	No. of Female Toilet Bowl	No. of Male Toilet Bowl	No. of Male Urinal	No. Toilet for the Handicapped	Student Desks / Chairs	Teacher's Desks and Chairs	White Board		
Bak Touk	27	7	3	8	2	540	27	54		
San Thor Mok	36	9	4	8	2	720	36	72		
Toul Kok	21	5	2	6	2	420	21	42		
Anu Wat Reach Theany	24	6	3	6	2	480	24	48		
Boeung Salang	21	5	2	6	2	420	21	42		
Phuom Russey	18	5	2	6	2	360	18	36		
Total	147	37	16	40	12	2,940	147	294		



Annex 3: Modification of the Basic Design requested by the Cambodian Side

1. Wastewater Drainage System

The Cambodian side formulated new plans of wastewater drainage systems in and around the 6 target primary schools to secure the smooth discharging of the wastewater from projected school toilets, and decided to make preparation for budget allocation for these new wastewater drainage plans. The Cambodian side requested the Team to take these plans into consideration during further review in Japan on the wastewater drainage system.

2. Water Supply System

The Cambodian side explained the Team that now it is possible for Site No. 6 (Phuom Russey) to use the city water mainline recently installed along the neighboring main road, and also the Cambodian side will repair the existing well system that is not functioning. In this condition, the Cambodian side requested the Team to review the projected water supply system and to design a new system which is able to accept both of well and city water.

3. Electric Power Intake

The Cambodian side explained the Team that although the existing locations of electric power intake at Site No. 1, 2, 3 and 5 are different from projected intake locations, these intake points will be removed to the projected points during the implementation stage of the Project.

4. Building to be Demolished and so Forth

- a) Regarding Site No. 5 (Boeung Salang), the existing administration building (incl. director office and storages, 2 classrooms and conference room) was designated as a "building to be demolished" in the Basic Design Report, but the Cambodian side hopes to use the building hereafter. Regarding this matter, the Cambodian side requested the Team to change the "building to be demolished" from the above mentioned administration building to an existing old classroom building (1 story, 5 classrooms). In this connection, the Cambodian side requested the Team to combine the projected 2 classroom buildings (9 classrooms, and 12 classrooms) into a new classroom building (21 classrooms).
- b) Regarding Site No. 6 (Phuom Russey), an existing canteen building and a school toilet is too close to the projected classroom building, therefore the Cambodian side expressed the Team that these buildings should be demolished by the Cambodian side. The Cambodian side assured to coordinate



with the concerned people on this matter.

5. Equipment and Building Wooden Materials

Regarding the equipment (incl. whiteboard, table and chair) and building wooden materials, the Cambodian side requested the Team to consider to utilize the Cambodian products for the Project as much as possible.

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Appendix 5 Cost Estimation Borne by the Recipient Country

No	Name of School	Leveling	Removal/ Replacement of Obstacles		Arrangement of Infrastructure					External Works	Total
					Electricity power intake	City water intake	Construction or cleaning of well	Construc tion of Drainage Pipeline	subtotal		
1	Bak Touk	0	Decrepit Classroom 9	450	165	0	1,185	2,100	3,450	680	4,580
2	San Thor Mok	0	Decrepit Classroom 12	530	165	0	120	115	400	680	1,610
3	Toul Kok	0	Survival Foundation	50	165	0	120	8,365	8,650	680	9,380
4	Anu Wat Reach Theany	950		0	165	0	1,185	2,600	3,950	680	5,580
5	Boeung Salang	0	Decrepit Classroom 5	350	165	0	120	1,465	1,750	1,150	3,250
6	Phuom Russey	0	Canteen/ toilet	150	165	145	1,185	4,985	6,480	410	7,040
Subtotal		950		1,530					24,680	4,280	31,440

Appendix 6 Reference

No.	Name	Size	Page	Original / Copy	Name of Acquisition and Issued Organization	Publication year
1	National Program to Rehabilitate and Develop Cambodia (NPRD)	A4		Copy	Cambodia Government	1993
2	Socioeconomic Development Plan 2 (SEDP 2)	A4		Copy	Cambodia Government	2002
3	National Poverty Reduction Strategy 2003-2005	A4		Copy	Cambodia Government, World Bank	2002
4	Cambodia Annual Report 2002	A4		Copy	UNDP	2003
5	Cambodia Human Development Report	A4		Copy	UNDP	1997
6	National EFA(Education for All) Plan of Action	A4		Copy	National EFA Committee	2002
7	Education Strategic Plan (ESP)	A4		Copy	Ministry of National Education, Youth and Sport Service	2001
8	Revised Education Sector Support Program (ESSP) 2002/6	A4		Copy	Ministry of National Education, Youth and Sport Service	2002
9	National Education Plan for All 2003-2015	A4		Original	National EFA Committee	2003
10	1998 Population Census of Cambodia	A4		Copy	Ministry of National Institute of Statistics of Cambodia	1999
11	Year Book 2003	A4		Copy	National Institute of Statistics of Cambodia	2003
12	General Department of Construction	A4		Copy	Ministry of Land Management, Urban Planning & Construction	
13	Map of Special City in Phnom Penh	A3		Copy		
14	Geographical Contour Map of Cambodia	A3		Copy		