

**MINUTES OF DISCUSSIONS
ON THE BASIC DESIGN STUDY
ON THE PROJECT FOR RENOVATION OF TECHNICAL SCHOOL FOR
MEDICAL CARE IN THE KINGDOM OF CAMBODIA**

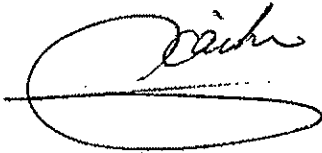
Based on the results of the Preparatory Study, the Government of Japan decided to conduct a Basic Design Study on the Project for Renovation of Technical School for Medical Care (hereinafter referred to as "the Project") and entrusted the study to the Japan International Cooperation Agency (hereinafter referred to as "JICA").

JICA sent to the Kingdom of Cambodia (hereinafter referred to as "Cambodia") the Basic Design Study Team (hereinafter referred to as "the Team") headed by Mr. Seiji Kaiho, Deputy Managing Director, Grant Aid Management Department, JICA, and is scheduled to stay in Cambodia from February 11 to March 7, 2004.

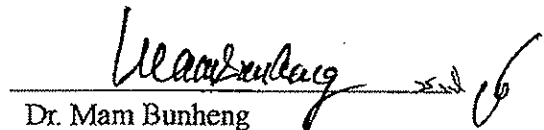
The Team held discussions with the officials concerned of the Royal Government of Cambodia and conducted field survey at the study areas.

In the course of discussions and the field survey, both parties confirmed the main items described on the attached sheets. The Team will proceed with further study and prepare the Basic Design Study Report.

Phnom Penh, February 24, 2004



Mr. Seiji KAIHO
Leader
Basic Design Study Team
Japan International Cooperation Agency



Dr. Mam Bunheng
Secretary of State for Health
Ministry of Health
Kingdom of Cambodia

Witnessed by:



Mr. Hiroto MITSUGI
Acting Resident Representative
Japan International Cooperation Agency
Cambodia Office

ATTACHMENT

1. Objective of the Project

The objective of the Project is to strengthen and upgrade the education quality in Technical School for Medical Care.

2. Project Site

The site of the Project is Technical School for Medical Care, Avenue Yothapul Khemarak Phumin, Phnom Penh.

3. Responsible and Implementing Agency

3-1. The Responsible Agency is Ministry of Health.

3-2. The Implementing Agency is Technical School for Medical Care.

4. Items requested by the Government of Cambodia

After discussions with the Team, the facilities described in Annex-1 and equipment plan described in Annex-2 were finally requested by Cambodian side.

5. Japanese Grant Aid Scheme

5-1. Cambodian side understood the Japanese Grant Aid Scheme explained by the Team, as described in Annex-3.

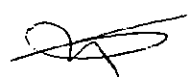
5-2. Cambodian side will take necessary measures, as described in Annex-4 for smooth implementation of the Project, as a condition for the Japanese Grant Aid to be implemented.

6. Schedule of the Study

6-1. JICA will prepare the draft report in English and dispatch a mission in order to explain its contents around the end of May 2004.

6-2. In case that the contents of the report are accepted in principle by the Government of Cambodia, JICA will complete the Basic Design Study Report and send it to Cambodia by the end of August 2004.

6-3. After the Team leaves the country; further discussions necessary for the Basic Design of the Project will be made through such means as facsimile and e-mail.



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7. Other relevant issues

7-1. Cambodian side agreed to secure sufficient budget and appropriate personnel necessary for the proper and effective operation and maintenance of the facilities and equipment covered by the Project as well as for the management of TSMC as a whole.

7-2. Cambodian side agreed to complete the following undertakings prior to the commencement of the construction and/or renovation works.

- (1) Demolishing and clearance of the existing facilities (storage etc.) and utilities in the project site.
- (2) Upgrading of the existing main distribution lines for electrical power supply and city water supply into the project site.
- (3) Preparation of classrooms, practical training rooms, laboratories and other facilities in order to transfer the functions thereof temporarily during the construction and/or renovation works.
- (4) Land preparation for storage of construction materials etc.

7-3. Both sides confirmed that total annual intake; sum of scholarship and paying students, for each course at TSMC shall be as follows assuming that new X-ray Technology Course shall be started as soon as the necessary facilities and equipment become available by implementing the Project:

(1) Nursing Course	120	students
(2) Physiotherapy Course	40	students
(3) Laboratory Technology Course	40	students
(4) Midwifery Course	20	students (half yearly intake)
(5) X-ray Technology Course	20	students

7-4. Both sides agreed that renovation of the existing classroom building and administration building and construction of new building(s) for classrooms, practical training rooms and other facilities would be studied in the Basic Design.

7-5. Both sides agreed that further analysis and elaboration in the facility plan will be made during the course of the Basic Design Study, and therefore, minor modification might be arisen.

7-6. Both sides also agreed that further design criteria, specifications and other minor modifications for facilities and equipment described in Annex-1 and Annex-2 would be made in conjunction with on-going Japanese Technical Cooperation Project for Human Resource Development of Co-Medicals and on the basis of appropriateness and cost effectiveness of the Project etc. during the Basic Design Study and finally presented to the Cambodian side at the time of Draft Report discussion.

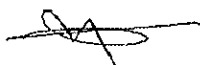


Requested Facilities for the Project

The contents of the requested facilities by Cambodian side for the Project.

Courses / Fields	Facilities
1. Nursing	- Classroom - Practical Training Room - Staff Room - Store
2. Physiotherapy	- Classroom - Practical Training Room - Staff Room - Store
3. Laboratory Technology	- Classroom - Laboratory - Preparation Room - Sterilization Room - Staff Room - Store
4. Midwifery	- Classroom - Practical Training Room - Staff Room - Store
5. X-ray Technology	- Classroom - X-ray Room/ Dark Room - Laboratory - Staff Room - Store
6. Speciality Program/ Short Course	- Classroom - Practical Training Room - Visiting Tutors' Room - Store
7. Others	- Library - Administration Office - Meeting Room - Student Association Room - Bookshop/ Cafeteria - Garage - Guard House - Generator House

- Note
- Both sides confirmed that the facility mentioned above includes the related common spaces such as corridors, storage and machine room and the necessary utilities such as electricity, water supply, sewage and telecommunication, etc. The details of such common spaces and utilities will be discussed further between the Japanese and Cambodian side.
 - The size and capacity of the facility will be determined after further study.




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REQUESTED EQUIPMENT

A: High Priority

B: Mid Priority

C: Low Priority

Nursing

Item No.	Department	Description	A	B	C
N- 1	Nursing	Anatomical human model		○	
N- 2	Nursing	Human skeleton model		○	
N- 3	Nursing	Pregnant uterus model		○	
N- 4	Nursing	Phantom for delivery		○	
N- 5	Nursing	Breast cancer simulator			○
N- 6	Nursing	Injection Simulator			○
N- 7	Nursing	Height&weight measuring devices			○
N- 8	Nursing	Body function measuring devices			○
N- 9	Nursing	Delivery instrument set			○
N- 10	Nursing	Desk		○	
N- 11	Nursing	Chair		○	

Clinical Lab

Item No.	Department	Description	A	B	C
C- 1	Clinical Lab	Spectrophotometer			○
C- 4	Clinical Lab	Differential blood cell counter			○
C- 6	Clinical Lab	Tabletop centrifuge			○
C- 7	Clinical Lab	Water bath			○
C- 8	Clinical Lab	Incubator			○
C- 9	Clinical Lab	Autoclave			○
C- 10	Clinical Lab	pH meter			○
C- 11	Clinical Lab	Water distilling apparatus			○
C- 12	Clinical Lab	Electronic analytical balance	○		
C- 13	Clinical Lab	Hacmatocrit centrifuge	○		
C- 14	Clinical Lab	Binocular microscope	○		
C- 14-a	Clinical Lab	Teaching microscope	○		
C- 27	Clinical Lab	Glassware set			○
C- 27-a	Clinical Lab	Lab instruments set			○
C- 28	Clinical Lab	View box			○
C- 29	Clinical Lab	Test tube mixer			○
C- 30	Clinical Lab	Magnetic stirrer			○
C- 32	Clinical Lab	Deep Freezer	○		
C- 33	Clinical Lab	Micro pipette set			○
C- 49	Clinical Lab	Experiment table		○	
C- 50-a	Clinical Lab	Desk		○	
C- 50^b	Clinical Lab	Chair		○	

Physiotherapy

Item No.	Department	Description	A	B	C
P- 10	Physiotherapy	Training mat			○
P- 11	Physiotherapy	Mat platform			○
P- 18	Physiotherapy	Treatment table			○
P- 28	Physiotherapy	Wheel chair		○	
P- 29	Physiotherapy	Skeleton model		○	
P- 30	Physiotherapy	Joint phantom model	○		
P- 31	Physiotherapy	Desk		○	
P- 32	Physiotherapy	Chair		○	

X-ray					
Item No.	Department	Description	A	B	C
X- 1	X-ray	General X-ray unit	○		
X- 2	X-ray	Mobile X-ray apparatus		○	
X- 6	X-ray	Automatic X-ray film processing system	○		
X- 7	X-ray	Manual X-ray film processing system	○		
X- 8	X-ray	X-ray film dryer		○	
X- 9-1	X-ray	Cassette set	○		
X- 9-1a	X-ray	Screen set	○		
X- 10-1	X-ray	X-ray film hanger set	○		
X- 10-5	X-ray	X-ray film hanger set	○		
X- 11	X-ray	Liquid thermometer	○		
X- 12	X-ray	Dark room timer		○	
X- 13	X-ray	Dark room lamp	○		
X- 14	X-ray	Air ventilator	○		
X- 15	X-ray	Air intake window	○		
X- 18	X-ray	Patient name printer	○		
X- 19	X-ray	Film mark set	○		
X- 20	X-ray	Negatoscope, portable	○		
X- 21	X-ray	Negatoscope, desktop	○		
X- 22	X-ray	X-ray protective apron	○		
X- 23	X-ray	X-ray protective floor screen set	○		
X- 25	X-ray	Ultrasound scanner	○	○	
X- 27	X-ray	Examination bed	○	○	
X- 29	X-ray	Experiment table	○		
X- 30	X-ray	C-arm with fluorography		○	
X- 31	X-ray	Cranial phantom (dry bone)			○
X- 32	X-ray	Cranial phantom (bone equivalent)	○		
X- 33	X-ray	Joint phantom set (bone equivalent)	○		
X- 34	X-ray	Film densitometer			○
X- 35	X-ray	Aluminum step phantom			○
X- 36	X-ray	Resolution test chart	○		
X- 37	X-ray	Acrylic phantom	○		
X- 38	X-ray	Positioning block			○
X- 39	X-ray	X-ray multi-function meter			○
X- 40	X-ray	Decubitus cassette holder			○
X- 41	X-ray	Desk		○	
X- 28	X-ray	Chair		○	

Teaching Material Production & Lecture (TMP&L)

Item No.	Department	Description	A	B	C
L- 2	TMP&L	Overhead projector			○
L- 4	TMP&L	TV set			○
L- 5	TMP&L	LCD projector	○	○	
L- 6	TMP&L	Screen			○
L- 7	TMP&L	Video cassette recorder			○
L- 8	TMP&L	Lecture table		○	
L- 9	TMP&L	Digital video camera	○		
L- 12	TMP&L	Digital camera			○
O- 1	TMP&L	Copy machine			○
O- 2	TMP&L	Computer desktop	○		
L- 13	TMP&L	Printer for computer	○		
L- 14	TMP&L	Computer laptop			○
L- 15	TMP&L	Scanner	○		
L- 16	TMP&L	Visual presenter	○		
L- 17	TMP&L	Binding machine			○
L- 18	TMP&L	Fax machine			○
L- 11	TMP&L	Desk		○	
L- 11a	TMP&L	Chair		○	

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Japan's Grant Aid Program

1. Japan's Grant Aid Procedures

(1) The Japan's Grant Aid Program is executed by the following procedures.

Application	(request made by a recipient country)
Study	(Basic Design Study conducted by JICA)
Appraisal & Approval	(appraisal by the Government of Japan and approval by the Cabinet of Japan)
Determination of Implementation	(Exchange of Notes between both Governments)
Implementation	(implementation of the Project)

(2) Firstly, an application or a request for a Grant Aid project submitted by the recipient country is examined by the Government of Japan (the Ministry of Foreign Affairs) to determine whether or not it is eligible for Japan's Grant Aid. If the request is deemed appropriate, the Government of Japan assigns JICA to conduct a study on the request.

Secondly, JICA conducts the study (Basic Design Study), using (a) Japanese consulting firm(s).

Thirdly, the Government of Japan appraises the project to see whether or not it is suitable for Japan's Grant Aid Program, based on the Basic Design Study Report prepared by JICA and the results are then submitted to the cabinet for approval.

Fourth, the project approved by the cabinet becomes official with the Exchange of Notes signed by the Government of Japan and the recipient country.

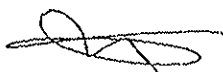
Finally, for the implementation of the Project, JICA assists the recipient country in preparing contracts and so on.

2. Contents of the Study

(1) Contents of the Study

The purpose of the Basic Design Study conducted by JICA on a requested project is to provide a basic document necessary for appraisal of the project by the Japanese Government. The contents of the Study are as follows:

- a) confirmation of the background, objectives, benefits of the project and also institutional capacity of agencies concerned of the recipient country necessary for project implementation,
- b) evaluation of the appropriateness of the project for the Grant Aid Scheme from a technical, social and economical point of view,




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- c) confirmation of items agreed on by the both parties concerning a basic concept of the project,
- d) preparation of a basic design of the project,
- e) estimation of cost of the project.

The contents of the original request are not necessarily approved in their initial form as the contents of the Grant Aid project. The Basic Design of the project is confirmed considering the guidelines of Japan's Grant Aid Scheme.

Final project components are subject to approval by the Government of Japan and therefore may differ from an original request. Implementing the project, the Government of Japan requests the recipient country to take necessary measures involved which are itemized on Exchange of Notes.

(2) Selection of Consultants

For smooth implementation of the study, JICA uses (a) registered consulting firm(s). JICA selects (a) firm(s) based on the proposals submitted by the interested firms. The firm(s) selected carry(ies) out a Basic Design Study and write(s) a report, based upon terms of reference set by JICA.

The consulting firm(s) used for the study is (are) recommended by JICA to a recipient country after Exchange of Notes, in order to maintain technical consistency and also to avoid any undue delay in implementation should the selection process be repeated.

3. Japan's Grant Aid Scheme

(1) What is Grant Aid?

The Grant Aid Program provides a recipient country with non reimbursable funds to procure the equipment and services (engineering services and transportation of the products, etc.) for economic and social development of the country under principles in accordance with relevant laws and regulations of Japan. The Grant Aid is not supplied through the donation of materials or such.

(2) Exchange of Notes (E/N)

Both Governments concerned extend Japan's Grant Aid in accordance with the Exchange of Notes in which the objectives of the Project, period of execution, conditions and amount of the Grant Aid etc., are confirmed.

(3) "The period of the Grant Aid" means one Japanese fiscal year which the Cabinet approves the Project for. Within the fiscal year, all procedure such as Exchange of Notes,



concluding a contract with (a) consulting firm(s) and (a) contractor(s) and a final payment to them must be completed.

(4) Under the Grant, in principle, products and services of origins of Japan or the recipient country are to be purchased.

When the two Governments deem it necessary, the Grant may be used for the purchase of products or services of a third country.

However the prime contractors, namely, consulting, contractor and procurement firms, are limited to "Japanese nationals". (The term "Japanese nationals" means persons of Japanese nationality or Japanese corporations controlled by persons of Japanese nationality.)

(5) Necessity of the "Verification"

The Government of the recipient country or its designated authority will conclude contracts denominated in Japanese yen with Japanese nationals. The Government of Japan shall verify those contracts. The "Verification" is deemed necessary to secure accountability to Japanese tax payers.

(6) Undertakings Required to the Government of the Recipient Country

In the implementation of the Grant Aid project, the recipient country is required to undertake such necessary measures as the following:

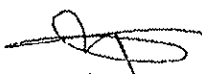
a) to secure land necessary for the sites of the project prior to the installation work in case the project is providing equipment,

b) to provide facilities for distribution of electricity, water supply and drainage and other incidental facilities in and around the sites,

c) to secure buildings prior to the installation work in case the project is providing equipment,

d) to ensure all the expenses and prompt execution for unloading, customs clearance at the port of disembarkation and internal transportation of the products purchased under the Grant Aid,

e) to exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which will be imposed in the recipient country with respect to the supply of the products and services under the Verified Contracts,



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f) to accord Japanese nationals whose services may be required in connection with the supply of the products and services under the Verified Contracts, such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work.

(7) Proper Use

The recipient country is required to maintain and use the equipment purchased under the Grant Aid properly and effectively and to assign staff necessary for the operation and maintenance as well as to bear all expenses other than those covered by the Grant Aid.


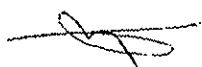
(8) Re-export

The products purchased under the Grant Aid shall not be re-exported from the recipient country.

(9) Banking Arrangement (B/A)

a) The Government of the recipient country or its designated authority shall open an account in the name of the Government of the recipient country in a bank in Japan. The Government of Japan will execute the Grant Aid by making payments in Japanese yen to cover the obligations incurred by Government of the recipient country or its designated authority under the Verified Contracts.

b) The payments will be made when payment requests are presented by the bank to the Government of Japan under an Authorization to Pay issued by the Government of the recipient country or its designated authority.



Major Undertakings to be taken by Each Government (Construction)

NO	Items	To be covered by Grant Aid	To be covered by Recipient side
1	To secure land		•
2	To clear, level and reclaim the site when needed		•
3	To construct gates and fences in and around the site		•
4	To construct the parking lot	•	
5	To construct roads		
	1) Within the site	•	
	2) Outside the site		•
6	To construct the building	•	
7	To provide facilities for the distribution of electricity, water supply, drainage and other incidental facilities		
	1) Electricity		
	a. The distributing line to the site		•
	b. The drop wiring and internal wiring within the site	•	
	c. The main circuit breaker and transformer	•	
	2) Water Supply		
	a. The city water distribution main to the site		•
	b. The supply system within the site (receiving and/or elevated tanks)	•	
	3) Drainage		
	a. The city drainage main (for storm, sewer and others) to the site		•
	b. The drainage system (for toilet sewer, ordinary waste, storm drainage and others) within the site.	•	
	4) Gas Supply		
	a. The city gas main to the site		•
	b. The gas supply system within the site	•	
	5) Telephone System		
	a. The telephone trunk line to the main distribution frame / panel (MDF) of the building		•
	b. The MDF and the extension after the frame / panel	•	
	6) Furniture and Equipment		
	a. General furniture		•
	b. Project equipment	•	
8	To bear the following commissions to a bank of Japan for the banking services based upon the B/A		
	1) Advising commission of A/P		•
	2) Payment commission		•

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9	To ensure prompt unloading and customs clearance at the port of disembarkation in recipient country		
1)	Marine(Air) transportation of the products from Japan to the recipient	•	
2)	Tax exemption and customs clearance of the products at the port of disembarkation		•
3)	Internal transportation from the port of disembarkation to the project site	(•)	(•)
10	To accord Japanese nationals whose services may be required in connection with the supply of the products and the services under the verified contract such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work		•
11	To exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which may be imposed in the recipient country with respect to the supply of the products and services under the verified contract		•
12	To maintain and use properly and effectively the facilities constructed and equipment provided under the Grant Aid		•
13	To bear all the expenses, other than those to be borne by the Grant Aid, necessary for construction of the facilities as well as for the transportation and installation of the equipment		•





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MINUTES OF DISCUSSIONS
ON BASIC DESIGN STUDY
ON THE PROJECT FOR RENOVATION OF TECHNICAL SCHOOL FOR
MEDICAL CARE IN THE KINGDOM OF CAMBODIA
(EXPLANATION ON DRAFT REPORT)

In February, 2004, the Japan International Cooperation Agency (hereinafter referred to as " JICA ") dispatched a Basic Design Study Team on The Project for Renovation of Technical School for Medical Care (hereinafter referred to as " the Project ") to the Kingdom of Cambodia (hereinafter referred to as " Cambodia "), and through discussions, 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 Cambodian side on the components of the draft report, JICA sent to Cambodia the Draft Report Explanation Team (hereinafter referred to as " the Team "), which is headed by Mr. Hiroto Mitsugi, Deputy Resident Representative, JICA Cambodia Office, from May 23 to June 6, 2004.

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

Phnom Penh, June 3, 2004



Mr. Hiroto Mitsugi
Leader
Draft Report Explanation Team
Japan International Cooperation Agency



Dr. Mam Bunheng
Secretary of State for Health
Ministry of Health
Royal Government of Cambodia

ATTACHMENT

1. Components of the Draft Report

The Royal Government of Cambodia agreed and accepted in principle the components of the draft report explained by the Team. The finally agreed lists of facilities and equipment are as shown in the ANNEX-1 and ANNEX-2 attached herewith.

2. Japan's Grant Aid Scheme


Cambodian side understands the Japan's Grant Aid Scheme and the necessary measures to be taken by the Royal Government of Cambodia as explained by the Team and described in Annex-3 and Annex-4 of the Minutes of Discussions signed by both parties on February 24, 2004.

3. Schedule of the Study

JICA will complete the final report in accordance with the confirmed items and send it to the Royal Government of Cambodia by the end of August 2004.

4. Other Relevant Issues

- 4-1. Cambodian side agreed to secure the enough budgets to implement the Project smoothly in line with the budget plan to be prepared, considering the responsibilities to be undertaken by Cambodian side, which described in Annex-4 of the Minutes of Discussions signed by both parties on February 24, 2004.
- 4-2. Cambodian side agreed to prepare the Project site through such works as demolishing existing facilities, felling trees, and leveling the site either by the end of November 2004 or immediately after the completion of the Project as indicated on ANNEX-3 attached herewith. Cambodian side also agreed to secure and allocate the enough budgets for such site preparation works. Japanese side will monitor the progress of the said site preparation works.

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- 4-3. Cambodian side agreed to secure and allocate the enough budgets for the connection of the utilities for the Project, such as main electricity distributing line up to power receiving panel and telephone trunk line up to main distribution frame. Cambodian side also agreed to complete the said connection of the utilities by the end of December 2005.
- 4-4. Cambodian side agreed to submit the proposed relocation plan to JICA Cambodia Office on or before June 15, 2004. This relocation plan including the estimated cost thereof must be prepared to continue the teaching and training as usual in TSMC during the construction and/or renovation works under the Project. Cambodian side also confirmed that the relocation plan should include the arrangement of the temporary facilities to be leased outside of TSMC, if necessary.
- 4-5. Cambodian side agreed to secure and allocate the enough budgets and appropriate personnel to operate and maintain the constructed and/or renovated facilities and procured equipment under the Project as well as the existing facilities and equipment. Cambodian side also agreed to submit the budget projection for the operation and maintenance costs for the management of TSMC as a whole to the Team on or before June 5, 2004.
- 4-6. Cambodian side agreed to utilize the facilities and equipment properly according to the use originally designed for.



Required Rooms for Facility

	Name of Building	Name of Course / Zone	Name of Room
New Construction	Main Building	Administration Zone	Director
			Secretary
			Deputy Directors
			Administration
			Technical Office
			Visiting Lecturers' Room
			Meeting Room
	X-ray Technology Course	General Classroom	
			Control Room
			X-ray Room
			Dark Room
			Ante Room
			Workshop
			General Laboratory
	Laboratory Technology Course	General Classroom	
			General Laboratory
			Laboratory
			Preparation Room
			Staff Room
	Midwifery Course	General Classroom	
			Practical Training Room
Staff Room			
Physiotherapy Course	General Classroom		
		Practical Training Room	
		Staff Room	
Special Program	General Classroom		
		Storage	
Others	Dining Hall / Kitchen		
		Library	
		Machine Room	
		Pump Room	
		Common Space	
		Storage	
Renovation Work	Nursing Course Building	Nursing Course	General Classroom
			Practical Training Room
			Preparation Room
			Staff Room
			Visiting Lecturers' Room
	Others	Infirmery	
			Counselling
			Common Space
			Storage
			Storage
Seminar House	Short Program	Seminar Room	
		Training Room	
		Continuing Education Office	
		Storage	
		Storage	
Toilet Building	Toilet	Students Association	
		Teaching Materials Production	
		Bookshop	
		Common Space	
Toilet Building	Toilet	Male Toilet	
		Female Toilet	

Notes :

- Both sides confirmed that the facility mentioned above includes the necessary utilities such as electricity and water.
- The size and capacity of the facility will be determined after further studies.

Planned Equipment

Item No.	Location	Description	Q'ty
N- 1	Nursing/Midwifery	Anatomical human body	1
N- 2	Nursing/Midwifery	Human skeleton	1
N- 4	Nursing/Midwifery	Phantom for delivery	1
N- 5	Nursing/Midwifery	Breast cancer simulator	1
N- 6	Nursing/Midwifery	Injection simulator	8
N- 7	Nursing/Midwifery	Infant height&weight scale	2
N- 10	Nursing/Midwifery	Desk	**
N- 11	Nursing/Midwifery	Chair	**
P- 28	Physiotherapy	Wheel chair	2
P- 29	Physiotherapy	Skeleton model	1
P- 30	Physiotherapy	Joint phantom model	1
P- 31	Physiotherapy	Desk	**
P- 32	Physiotherapy	Chair	**
C- 12	Lab Technology	Electronic analytical balance	1
C- 13	Lab Technology	Haematocrit centrifuge	2
C- 14	Lab Technology	Binocular microscope	15
C- 14a	Lab Technology	Teaching microscope	2
C- 32	Lab Technology	Deep Freezer	1
C- 50a	Lab Technology	Desk	**
C- 50b	Lab Technology	Chair	**
X- 1	X-Ray Technology	General X-ray unit	1
X- 2	X-Ray Technology	Mobile X-ray apparatus	1
X- 6	X-Ray Technology	Automatic film processor	1
X- 7	X-Ray Technology	Manual film processor	2
X- 8	X-Ray Technology	X-ray film dryer	1
X- 9-1	X-Ray Technology	Cassette set	4
X- 9-1a	X-Ray Technology	Screen set	8
X- 10-1	X-Ray Technology	X-ray film hanger	4
X- 10-5	X-Ray Technology	X-ray film hanger	4
X- 11	X-Ray Technology	Liquid thermometer	4
X- 12	X-Ray Technology	Dark room timer	2
X- 19	X-Ray Technology	Film mark set	5
X- 20	X-Ray Technology	Negatoscope, portable	2
X- 21	X-Ray Technology	Negatoscope, desk top	2
X- 22	X-Ray Technology	X-ray Protective Apron	3
X- 23	X-Ray Technology	X-ray protective floor screen	3
X- 25	X-Ray Technology	Ultrasound scanner	1
X- 27	X-Ray Technology	Examination bed	1
X- 32	X-Ray Technology	Cranial phantom (bone equiv)	1
X- 33	X-Ray Technology	Joint phantom set (bone equiv)	1
X- 36	X-Ray Technology	Resolution test chart	1
X- 37	X-Ray Technology	Acryl phantom	1
X- 41	X-Ray Technology	Desk	**
X- 28	X-Ray Technology	Chair	**

Item No.	Location	Description	Q'ty
L- 5	Teach'g Material Prod	LCD projector	4
L- 9	Teach'g Material Prod	CCD video camera	4
L- 12	Teach'g Material Prod	Digital camera	4
O- 2	Teach'g Material Prod	Computer	2
L- 13	Teach'g Material Prod	Printer for computer	2
L- 15	Teach'g Material Prod	Scanner	4
L- 16	Teach'g Material Prod	Visual presenter	4
L- 11	Teach'g Material Prod	Desk	**
L- 11a	Teach'g Material Prod	Chair	**

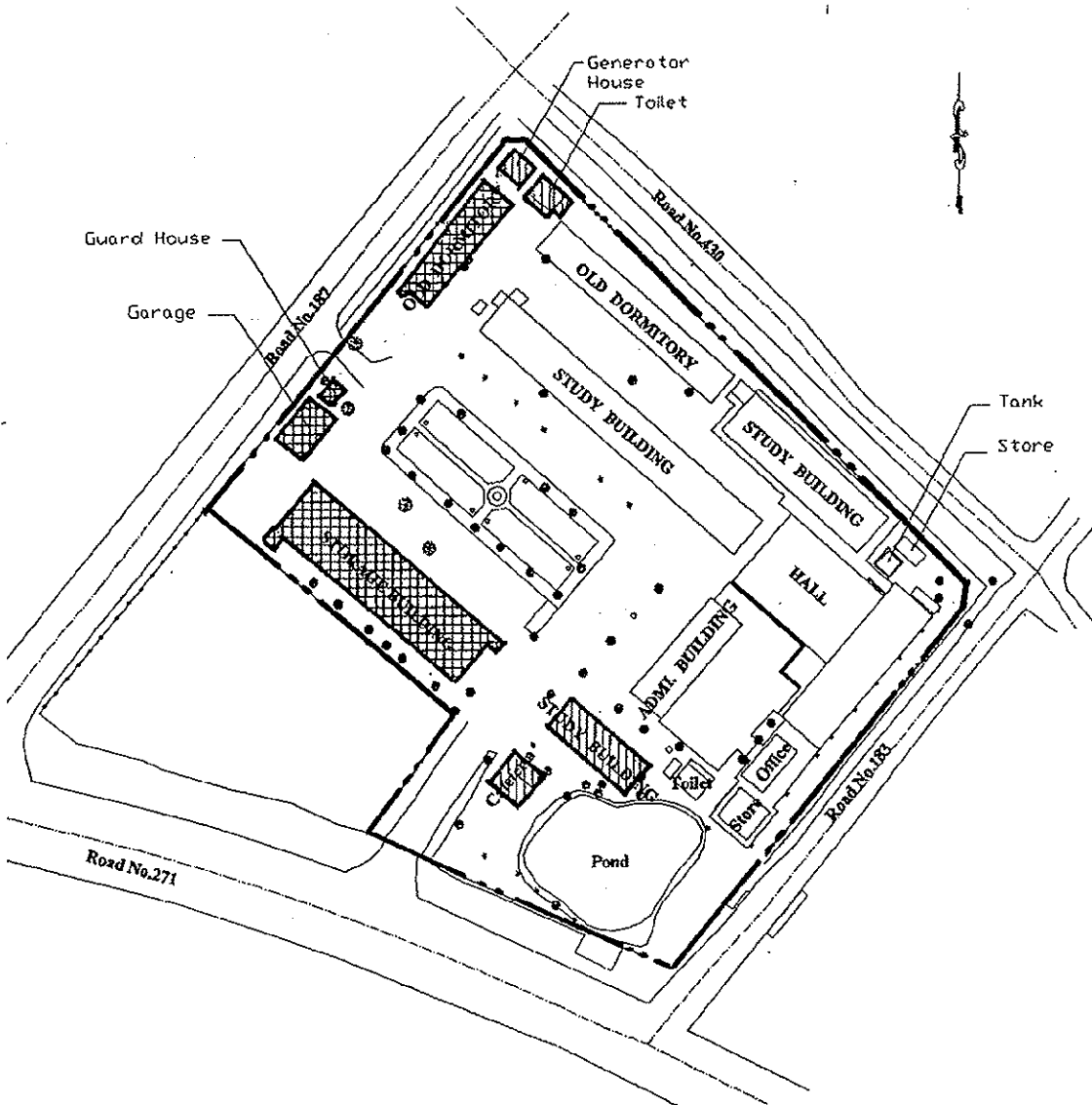
** : included in the plan

8

 lw

NOTES :

1. Demolition of the existing facilities indicated on the Layout Plan shall be completed as follows: -
 - ▨ To be completed by the end of November 2004, including felling trees and leveling the site.
 - ▨ To be completed immediately after the completion of the Project, including leveling the site.
2. Broken lines on the following Layout Plan indicate the boundary lines for TSMC compound.



LAYOUT PLAN FOR EXISTING FACILITIES

基本設計概要表

<p>1 案件名</p>
<p>カンボジア王国国立医療技術学校整備計画基本設計調査</p>
<p>2 要請の背景（協力の必要性・位置づけ）</p>
<p>(1) 「カ」国の基礎保健指標は、2000年調査では乳児死亡率が1000人に対して95人、妊産婦死亡率が10万人に対し437人であり、周辺諸国と比べても高い状況である。特に、主要な問題として感染症（結核、マラリア、下痢症、急性呼吸器感染症等）があげられる他、HIV/AIDS感染も1990年以降急速な増加を示している。また、「カ」国では長期にわたる内戦の影響により1975年当時487人いた医師が、長期にわたる内乱直後（1991年頃）には43人、看護師も342人となるほど保健医療従事者が激減し、保健医療サービス体制が壊滅的な打撃を受けた。同時に教育基盤も破壊されたことから、保健医療従事者の育成は「カ」国の緊急の課題となっている。</p> <p>(2) 「カ」国政府は「第一次社会経済開発計画1996年～2000年」および「第二次社会経済開発計画2001年～2005年」を發表し、より効果的な保健医療サービスを提供するため、教育・研修の強化による保健医療従事者の技術向上を図るとした。また「保健従事者開発計画1996年～2005年」において、衛生検査技師の育成促進および現在正規の教育課程がないX線技師の育成を目標に掲げ、さらに「保健分野戦略計画2003年～2007年」において、保健医療制度の構造改革を掲げている。</p> <p>(3) 1980年に医師および保健医療従事者の養成が再開され、医師および保健医療従事者の人数は増加したものの、その質と量の両面での不足が依然として否めない。特に、衛生検査技師とX線技師は、各診療科目の診断治療能力を高める上で欠かせない職種であり、極めて重要であるにもかかわらず、最も養成が遅れており、かつ人材不足のため検査精度が低い状況にある。</p> <p>(4) このような「カ」国において、保健医療水準の改善には、保健医療従事者の育成が急務であり、特に、現場で基礎保健医療の推進に努める看護師、助産師、理学療法士、衛生検査技師、X線技師の育成を行うと共に、質を向上させることが必須である。従って、「カ」国における保健医療従事者の中心的育成機関である国立医療技術学校（以下、TSMC）の教育・研修機能の充実を図ることは、「カ」国国民に広く裨益するものであると判断できる。</p> <p>(5) 本プロジェクトは、2003年9月より5年間の予定で実施している技術協力プロジェクト「医療技術者育成プロジェクト」と十分に連携して、質の高い保健医療従事者を育成し、質の良い保健医療サービスを「カ」国国民に提供するため、保健医療従事者育成教育の環境整備を行うものである。</p>
<p>3 プロジェクト全体計画概要</p>
<p>※下線部：本無償資金協力に直接関係する成果、活動および投入</p> <p>(1) プロジェクト全体計画の目標（裨益対象の範囲および規模）</p> <p style="padding-left: 2em;">TSMCにおける教育の質が向上する。 (裨益人口：カンボジア王国 1,326万人（2004年推定）)</p> <p>(2) プロジェクト全体計画の成果</p> <p style="padding-left: 2em;">1) 直接効果</p> <p style="padding-left: 4em;">① TSMCの教室・実習室が新築および改修されることにより、施設・設備および規模が適正化され、学習環境が改善される。</p> <p style="padding-left: 4em;">② 教室・実習室等の諸室が適切な規模と数で整備されることにより、各コースの教育カリキュラムが計画通りに実施され、保健医療従事者教育の質が改善される。</p> <p style="padding-left: 4em;">③ 機材を充実させることにより、TSMCで実施される教育の質が改善される。</p>

- ④ 「カ」国で初めての X 線技師コースの開設および教育の実施が可能となる。
- ⑤ 全国を対象にした幹部看護師や精神看護、麻酔看護等の卒後教育および特別プログラムのための教室等の諸室が整備されることにより、卒後教育・研修の活動を計画的に行うことが可能となる。
- ⑥ 本プロジェクトの施設・機材の整備により、技術協力プロジェクト「医療従事者育成プロジェクト」が円滑かつ有効に実施される。

2) 間接効果

- ① 病院やヘルスセンター等の公立医療機関の保健医療従事者の欠員が充足され、適切な医療サービスの実施体制が改善される。
- ② 質の高い保健医療従事者が増えることにより、公立および民間医療機関で提供される医療サービスの質が向上する。
- ③ X 線技師が増えることにより、検査の精度および水準が向上し、各診療科目の診断治療能力が高まる。
- ④ 保健医療従事者の質が向上し、医療サービスの供給体制が改善されることにより、「カ」国国民の健康が促進される。

(3) プロジェクト全体計画の主要活動

ア 施設を改修・新築する。

イ 機材を調達する。

ウ 上記の施設・機材を使用して、活動を実施する。

(4) 投入(インプット)

ア 日本側

(ア) 無償資金協力 7.82 億円

(イ) 技術協力プロジェクト「医療技術者育成プロジェクト」

イ 相手国側

(ア) TSMC の運営に必要な人員

(イ) 建設用地、敷地準備工事（仮校舎の手配を含む）

(ウ) 外構およびインフラ工事

(エ) 本プロジェクト実施後の運営・維持管理に係る経費

(5) 実施体制

実施機関：TSMC（保健科学大学の一部として位置づけられている）

主管官庁：保健省医療総局

4 無償資金協力案件の内容

(1) サイト

カンボジア王国 プノンペン市

(2) 概要

プノンペン市内に位置する TSMC の施設建設（新築・改修）および機材調達

(3) 相手国側負担事項

建設用地の確保、敷地準備工事（仮校舎の手配を含む）、外構およびインフラ工事

(4) 概算事業費

7.92 億円（無償資金協力 7.82 億円、カンボジア国側負担 0.1 億円）

(5) 工期

詳細設計・入札期間を含め約 17 ヶ月（予定）

(6) 貧困、ジェンダー、環境および社会面の配慮

・ 1 階においてはバリアフリーに対応した設計とする。

5 外部要因リスク（プロジェクト全体計画の目標の達成に関するもの）

- ・ 経済の発展が低迷しない。
- ・ 各コースの受入学生数が、計画受入学生数を大幅に上回ることにより、一教室当たりの学生数が多くなりすぎない。
- ・ 予想外の天災等により、授業の継続が妨げられない。

6 過去の類似案件からの教訓の活用

特になし。

7 プロジェクト全体計画の事後評価に係る提案

(1) プロジェクト全体計画の目標達成を示す成果指標

成果指標		2004 年（実施前）		2010 年（実施後） 予定	
		（%：現在/カリキュラム）		（%：現在/カリキュラム）	
学生一人当たりの実際 の実習時間数の増加	コース				
	看護師コース		75%		100%
	理学療法士コース		95%		100%
	衛生検査技師コース		80%		100%
	助産師コース		85%		100%
	X 線技師コース		(設置予定)		100%
卒業試験の合格率の増加、 および追試回数の削減	合格率		47%		80%
	追試回数		3 回以上		1 回
卒業教育の充実（各コース全体）		延べ 9,240 人・日/年		延べ 35,000 人・日/年	
学生一人あたりの教室・実 習室面積（m ² /人）	コース	教室	実習室	教室	実習室
	看護師コース	1.4	1.4~2.8	1.75	2.1
	理学療法士コース	1.4	4.0	2.0	5.0
	衛生検査技師コース	1.4	2.8	2.0	3.6
	助産師コース	1.4	2.8	2.0	3.2
	X 線技師コース	0	0	2.0	3.0
図書室の利用者数の増加 (延べ入館者数/全生徒数)		延べ 2,200 人・日/年		延べ 20,000 人・日/年	

(2) その他の成果指標

入学者数（人/年）、入学者の満足度（%）

(3) 評価のタイミング

2010 年を目処として評価を行う。（施設・機材使用開始後、2006 年 10 月に最初の学生が入学する。この学生が全て卒業する 2009 年 9 月までを 1 サイクルと考え、このサイクルを踏まえたプロジェクトの効果について、次のサイクルの始まる 2010 年を目処として評価を行う。）

参考資料/入手資料リスト (基本設計調査)

番号	名称	形態 印刷・図 書・CD等	オリジ ナル コピー	言語	収集先/発行機関	入手 日
1	MEDICAL EQUIPMENT STANDARD LIST FOR CPA3 REFERRAL HOSPITAL	印刷	コピー	英	JICA / MOH	2/12
2	LIST OF TECHNICAL SCHOOL FOR MEDICAL CARE STAFF	印刷	コピー	英	TSMC	2/13
3	MINUTES OF MEETINGS BETWEEN THE JAPANESE PREPARATORY STUDY TEAM AND THE AUTHORITIES CONCERNED OF THE ROYAL GOVERNMENT OF CAMBODIA ON JAPANESE TECHNICAL COOPERATION PROJECT FOR HUMAN RESOURCE DEVELOPMENT OF CO-MEDICALS	印刷	コピー	英	JICA CAMBODIA OFFICE/MOH	2/13
4	COMPLEMENTARY PACKAGE OF ACTIVITIES, BUILDING BRIEF - REFERRAL HOSPITALS, VER 1, DEC 2003	印刷	コピー	英	HSSP AND CIVIL WORKS GROUP (CWG)MOH	2/13
5	TRAINING & CONSTRUCTION PLAN FOR JAPAN AID	印刷	コピー	英	TSMC	2/15
6	RECORD OF DISCUSSIONS BETWEEN RESIDENT REPRESENTATIVE OF THE JAPAN COOPERATION AGENCY IN THE KINGDOM OF CAMBODIA ON JAPANESE TECHNICAL COOPERATION PROJECT FOR HUMAN RESOURCE	印刷	コピー	英	JICA CAMBODIA OFFICE/MOH	2/16
7	ANNUAL PLAN FOR TSMC SCHOOL YEAR 2003-2004	印刷	コピー	英	TSMC	2/16
8	HEALTH COVERAGE PLAN JUNE 2002	図書	コピー	クメール 英	MOH	2/16
9	COMPLEMENTARY PACKAGE OF ACTIVITIES GUIDELINES FOR THE REFERRAL HOSPITALS FOR 2003-2007, VERSION 1 (FEB 2003)	図書	コピー	英	MOH	2/16
10	GUIDELINES FOR DEVELOPING OPERATIONAL DISTRICTS, DEC	図書	コピー	英	MOH WITH WHO	2/16
11	HEALTH WORKFORCE DEVELOPMENT PLAN 1996-2005, FIRST EDITION, MAY 1997	図書	コピー	英	HUMAN RESOURCES DEVELOPMENT DEPARTMENT, MOH	2/16
12	FIRST BIENNIAL REVIEW OF THE HEALTH WORKFORCE DEVELOPMENT PLAN 1996-2005, MAY 1999	印刷	コピー	英	HUMAN RESOURCES DEVELOPMENT DEPARTMENT, MOH	2/16
13	SECOND BIENNIAL REVIEW OF THE HEALTH WORKFORCE DEVELOPMENT PLAN 1996-2005, AUG 2001	図書	コピー	英	HUMAN RESOURCES DEVELOPMENT DEPARTMENT, MOH	2/16
14	TRAINING STRUCTURE (REGIONAL TRAINING CENTER NETWORK)	印刷	コピー	英	MOH	2/17
15	NATIONAL HEALTH STATISTICS REPORT 1999, MAY 2000	印刷	コピー	英	MOH	2/17
16	図面 既存講堂及びドミトリー棟	印刷	コピー	英	MOH	2/17
17	TECHNICAL SCHOOL FOR MEDICAL CARE	図書	コピー	英	TSMC	2/17
18	NATIONAL EXPENDITURE BOOK 2001	図書	コピー	英	MOH	2/17
19	EXPENDITURE REPORT 2002	印刷	コピー	英	MOH	2/17
20	NATIONAL BUDGET 2002, CHAPTER 10, 11 AND 13	印刷	コピー	クメール	MOH	2/17
21	COMPILED EXPENDITURE 2003	印刷	コピー	英	MOH	2/17
22	BUDGET PLAN 2003	印刷	コピー	英	MOH	2/17
23	BUDGET PLAN 2004	印刷	コピー	クメール	MOH	2/17
24	HEALTH SECTOR STRATEGIC PLAN 2003-2007, FIRST EDITION AND SECOND EDITION	印刷	コピー	英	MOH	2/17
25	HEALTH SECTOR SUPPORT PROJECT, PROJECT IMPLEMENTATION PLAN, NOV 2002	図書	オリジナル	英	MOH/WB	2/17
26	FIRST SOCIOECONOMIC DEVELOPMENT PLAN 1996-2000	印刷	コピー	英	MINISTRY OF PLANNING	2/17
27	SECOND FIVE YEAR SOCIOECONOMIC DEVELOPMENT PLAN 2001-2005	図書	オリジナル	英	MINISTRY OF PLANNING	2/17
28	PROJECT COSTS BY SUB-COMPONENT 2003-2007, HEALTH SECTOR SUPPORT PROJECT, WORLD BANK COMPONENT	印刷	コピー	英	DEPARTMENT OF PLANNING AND HEALTH INFORMATION	2/17
29	MEDICAL ENGINEERING UNIT, MANAGEMENT PROTOCOLS	図書	コピー	英	MCH, MOH	
30	平成16年度 機材供与実施計画書	印刷	コピー	日	JICA	3/1
31	REPORT OF DISCUSSION WORKSHOP ON STRATEGIES FOR RADIOLOGY TRAINING PROGRAM IN CAMBODIA, MAR 3-4 2004 (DRAFT)	図書	コピー	英	HUMAN RESOURCES DEVELOPMENT DEPARTMENT, MOH	3/5
32	GUIDELINES ON STANDARDS FOR TRAINING, JAN 2001	図書	コピー	英	HUMAN RESOURCES DEVELOPMENT DEPARTMENT, MOH	3/5
33	MPA MODULE 1-13	図書	コピー	英	THE CAMBODIA HEALTH PROMOTION AND PRIMARY HEALTH CARE PROJECT	3/6

参考資料／入手資料リスト (基本設計概要説明調査)

番号	名称	形態 印刷・図 書・CD等	オリジナル コピー	言語	収集先／発行機関	入手日
1	保健省予算 2002-2007	印刷	コピー	英	MOH	5/26
2	UHS予算書 2003, 2004	印刷	コピー	クメール	University of Health Science	5/25
3	TSMC予算 2001-2007	印刷	コピー	英	Technical School for Medical Care	6/3
4	Education of Health Personnel in Cambodia Summary of Courses and Training Plan, 2003	印刷	コピー	英	MOH	6/3
5	No. 127 G n Rk bk Anoukret on the creation of the University for Health and Science that it is the public administrative establishment	印刷	コピー	英	WHO (unofficial translation)	5/27
6	The Report if Discussion : Workshop on Strategies for Radiology Training Program in Cambodia, 3-4 March 2004	印刷	コピー	英	HRD Department MOH/JICA	5/31
7	Practical Training Log Book (translation from Khmer to English)	印刷	コピー	英	Technical School for Medical Care	6/2
8	Current Situation of X-ray Examination, Feb 2004	印刷	コピー	英	Mitsuru Takeuchi (JOCV)	6/2
9	Provision Equipment List for Year 2004, Feb 2004	印刷	コピー	英	Technical Cooperation Project (JICA)	6/2
10	Organization Strangthening School Management Improvement Project (Phase 1)	印刷	コピー	英	Technical Cooperation Project (JICA)	6/3

Basic Design Study on The Project for Renovation of Technical School for Medical Care

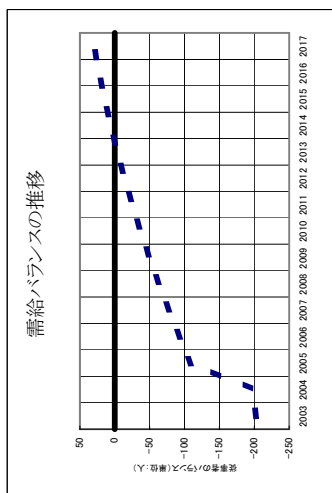
Extent of Works

Portions by the Japanese Side	Portions by the Cambodian Side	Budget (Rough Estimation, US\$)
<p>(1) Building Works Structure works, finishing works Electrical Works Power/trunk facilities, lighting, power outlets, P/A systems (3) Utilities and Facilities a) Water Supply Construction works for the Water supply from the valve at the water supply meter to the building and all the related internal works for the water supply. b) Sewerage system including piping works up to the connection manhole c) Sanitation facilities (waste water treatment facility) d) Elevated tank and reserve tank e) Fire-extinguishing facilities f) Electrical supply and transformer system Cabling works from the high tension receiving panel in the Substation to the facilities. g) Telecommunication system Cabling works from MDF to the facilities, including installation of conduit from the cross connection point at the site boundary to MDF h) Lightning Protection System i) Lighting system in the site (4) Exterior Work Road, path and parking lots within the site (5) Equipment Equipment for Education Training and Operation & Maintenance (6) Electric Room, Electric Generator Room, Pump Room</p>	<p>(1) <u>Site Preparation</u> a) Pre Construction Works b) Ground preparation works: - Demolition of existing facilities - Site grading and leveling c) Preparation of temporary facilities for construction/renovation period d) Temporary power and water supply for the construction e) Temporary access road for the construction (2) <u>External Works and Approach Roads</u> - Landscaping, planting, fence, etc within the Site. - Permanent road works around the site (3) <u>Utilities and Facilities</u> a) <u>Water Supply</u> Construction from the main feeder to the water valve in the site including the water supply meter. b) <u>Sewerage</u> Piping works from the connection manhole in the site to the existing sewerage line including the repair work of the existing ditch. c) <u>Storm Drainage</u> Drainage line from the site to the existing line including the expansion work of the existing drainage line. d) <u>Electrical Work</u> Cabling works from the existing power supply point e) <u>Telecommunication Work</u> Cabling work (for Direct / Extension / Public telephone) from existing MDF/PABX to Point Distribution for new IDF/PABX . f) The provision of gas (LPG).</p>	<p>(1) (1) <u>Site Preparation</u> a) (include temporary access road) b) - US\$33,500.00 - US\$3,000.00 c) - US\$42,000.00 d) -N/A e) -N/A (2) <u>External Works and Approach Roads</u> - - (3) <u>Utilities and Facilities</u> a) -N/A b) -N/A (include Storm Drainage) c) -N/A d) - US\$19,861.00 incl. Connection Fee etc. (Connection Charge US\$ /kVA) (Consumer Deposit US\$ /kVA) (Stump Duty US\$) e) - US\$1,140.00 (Connection Charge US\$/line•time) f) - US\$/month</p>

Portions by the Japanese Side	Portions by the Cambodian Side	Budget (Rough Estimation, US\$)
	<p>(4) <u>Others</u></p> <p>a) Governmental works including the application and obtaining Governmental approvals and permissions</p> <p>b) Smooth custom clearance, tax exemptions and prompt internal transportation for the imported construction materials and equipment</p> <p>c) Commissions to the Japanese foreign exchange bank for its banking services based upon the Banking Arrangement (B/A) namely the advising commission of the “Authorization to Pay” and payment commission</p> <p>(5) Management, operation and maintenance cost for the new building and facilities</p> <p>(6) Tax exemptions and necessary preferential treatment for the construction staff from Japan or a third country</p> <p>(7) Smooth entry , re-entry and departure of Cambodia for the Japanese technical staff</p> <p>(8) All the expenses, other than to be born by the Japan’s Grant Aid within the scope of the Project</p>	<p>(4) <u>Others</u></p> <p>a) NIL</p> <p>b) -</p> <p>c) -</p> <p>(5) -</p> <p>(6) -</p> <p>(7) -</p> <p>(8) -</p>

保健医療従事者の需給バランスの検討

看護師



需要サマリー

	現状(2002)	需要 b	不足 c=a-b
公立機関	768	952	-184
医療機関	77	95	-18
病院等	845	1047	-202
医療職以外	601	601	0
公立小計	206	206	0
民間	807	807	0
医療機関	1652	1855	-202
103機関			
医療職			
医療職他			
民間・NGO小計			
不足小計			

ブレンベン市内病院のみの推計

需給バランス

卒業年	供給					需要					前年バランス	需要総計 I=J+H+P	需給バランス h=g-H	前年バランス j	公立機関		民間		民間需要		
	入学時学生数 d	卒業生数 卒業率98% e=d*98%	自営*の比率 20% f=e*20%	供給数 80% g=e*80%	供給バランス h=g-H	従事者 k	自然減 5% l=k*-5%	従事者 m	自然減 2% n=m*-2%	前年需要 o					病院需要 2% p	従事者 m	自然減 5% l=k*-5%	従事者 m	自然減 2% n=m*-2%	前年需要 o	病院需要 2% p
2004	100	98	20	78	-198	876	-44	866	-17	613	-12	866	-44	866	-17	613	-12				
2005	210	206	41	165	-110	915	-46	931	-19	626	-13	931	-46	931	-19	626	-13				
2006	119	117	23	93	-94	916	-46	959	-19	638	-13	959	-46	959	-19	638	-13				
2007	120	118	24	94	-79	917	-46	987	-20	651	-13	987	-46	987	-20	651	-13				
2008	120	118	24	94	-64	918	-46	1014	-20	664	-13	1014	-46	1014	-20	664	-13				
2009	120	118	24	94	-50	919	-46	1041	-21	677	-14	1041	-46	1041	-21	677	-14				
2010	120	118	24	94	-38	920	-46	1067	-21	691	-14	1067	-46	1067	-21	691	-14				
2011	120	118	24	94	-25	921	-46	1093	-22	705	-14	1093	-46	1093	-22	705	-14				
2012	120	118	24	94	-14	922	-46	1118	-22	719	-14	1118	-46	1118	-22	719	-14				
2013	120	118	24	94	-4	923	-46	1143	-23	733	-15	1143	-46	1143	-23	733	-15				
2014	120	118	24	94	6	924	-46	1167	-23	748	-15	1167	-46	1167	-23	748	-15				
2015	120	118	24	94	14	925	-46	1191	-24	763	-16	1191	-46	1191	-24	763	-16				
2016	120	118	24	94	22	926	-46	1214	-24	778	-16	1214	-46	1214	-24	778	-16				
2017	120	118	24	94	30	927	-46	1237	-25	794	-16	1237	-46	1237	-25	794	-16				

注) 供給数の公立機関と民間への振り分け割合は以下のとおり

公立機関	50%
民間	50%

自営*とは、許認可にかかわらず個人でおこなう活動に従事しているもの等を指す
民間の需要については、今後さらに大きくなる可能性がある

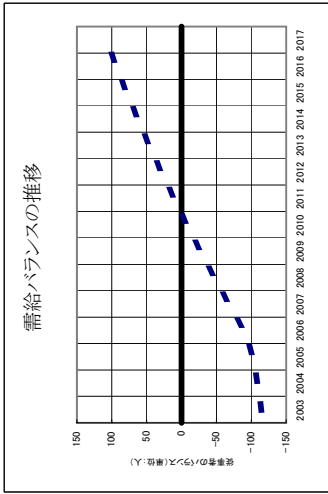
保健医療従事者の需給バランスの検討

理学療法士

需要サマリー

	現状(2002)	需要	不足
	a	b	c=a-b
公立機関	44	86	-42
病院等			
医療機関			
医療職以外			
公立小計	44	86	-42
民間	0	75	-75
医療機関			
病院			
103 機関			
医療職他			
民間・NGO小計	0	75	-75
不足小計	44	161	-117

現状ではない



需給バランス

卒業年	供給				需給バランス				需要			
	入学時学生数 d	卒業生数 卒業率98% e=d*98%	自営*の比率 30% f=e*30%	供給数 70% g=e*70%	需給バランス h=g-I	前年バランス j	公立機関 従事者 k	自然減 5% I=k*-5%	民間 従事者 m	自然減 2% n=m*-2%	前年需要 o	民間需要 病院需要 2% p
2003	15	9	3	6	-115	-121	47	-2	3	0	75	-2
2004	14	14	4	10	-109	-119	50	-2	8	0	77	-2
2005	16	16	5	11	-103	-114	53	-3	13	0	78	-2
2006	25	25	7	17	-90	-108	59	-3	22	0	80	-2
2007	40	39	12	27	-69	-96	69	-3	35	-1	81	-2
2008	40	39	12	27	-48	-75	80	-4	48	-1	83	-2
2009	40	39	12	27	-28	-55	89	-4	61	-1	84	-2
2010	40	39	12	27	-9	-36	99	-5	73	-1	86	-2
2011	40	39	12	27	10	-17	107	-5	85	-2	88	-2
2012	40	39	12	27	28	1	116	-6	97	-2	90	-2
2013	40	39	12	27	45	18	124	-6	109	-2	91	-2
2014	40	39	12	27	62	34	131	-7	121	-2	93	-2
2015	40	39	12	27	78	50	138	-7	132	-3	95	-2
2016	40	39	12	27	93	66	145	-7	143	-3	97	-2
2017	40	39	12	27	108	81	152	-8	154	-3	99	-2

注) 供給数の公立機関と民間への振り分け割合は以下のとおり

公立機関	50%
民間	50%

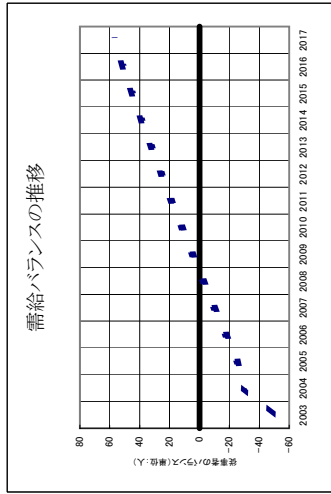
自営*とは、許認可にかかわらず個人でおこなう活動に従事しているものを指す
民間の需要については、今後さらに大きくなる可能性がある

保健医療従事者の需給バランスの検討

衛生検査技師

需要サマリー

	現状(2002)	需要	不足
	a	b	c=a-b
公立機関	370	415	-45
病院等			
医療機関			
医療職以外			
公立小計	370	415	-45
民間	95	95	0
医療機関			
病院			
医療職			
103 機関			
医療職他			
民間・NGO小計	95	95	0
不足小計	465	510	-45



需給バランス

卒業年	供給						需要							
	入学時学生数		卒業生数		供給数		前年バランス		公立機関		民間		民間需要	
	d	e=d*98%	f=e*20%	自営*の比率	80%	g=e*80%	h=g+l	j	k	l=k*-5%	m	n=m*-2%	o	p
2003	25	24	5	19	-49	-68	-45	380	-19	105	-2	95	-2	
2004	54	53	11	42	-30	-72	-49	382	-19	124	-2	97	-2	
2005	36	35	7	28	-25	-53	-30	377	-19	135	-3	99	-2	
2006	40	39	8	31	-18	-49	-25	374	-19	148	-3	101	-2	
2007	40	39	8	31	-10	-41	-18	371	-19	161	-3	103	-2	
2008	40	39	8	31	-3	-34	-10	368	-18	173	-3	105	-2	
2009	40	39	8	31	5	-27	-3	365	-18	186	-4	107	-2	
2010	40	39	8	31	12	-20	5	363	-18	198	-4	109	-2	
2011	40	39	8	31	19	-13	12	360	-18	209	-4	111	-2	
2012	40	39	8	31	25	-6	19	358	-18	221	-4	114	-2	
2013	40	39	8	31	32	1	25	356	-18	232	-5	116	-2	
2014	40	39	8	31	39	7	32	353	-18	243	-5	118	-2	
2015	40	39	8	31	45	14	39	351	-18	254	-5	120	-2	
2016	40	39	8	31	51	20	45	350	-17	265	-5	123	-2	
2017	40	39	8	31	57	26	51	348	-17	275	-5	125	-3	

注) 供給数の公立機関と民間への振り分け割合は以下のとおり

公立機関	50%
民間	50%

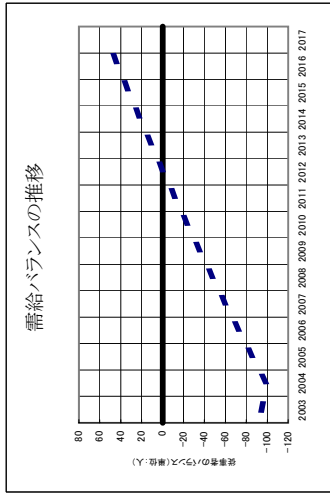
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民間の需要については、今後さらに大きくなる可能性がある

保健医療従事者の需給バランスの検討

助産師

需要サマリー

	現状(2002)	需要	不足
	a	b	c=a-b
公立機関	599	671	-72
病院等			
医療機関			
医療職以外			
公立小計	599	671	-72
民間	31	31	0
医療機関			
病院			
103 機関			
医療職他			
民間・NGO小計	31	31	0
不足小計	630	702	-72



需給バランス

卒業年	供給				需給バランス				需要			
	入学時学生数 d	卒業生数 卒業率98% e=d*98%	自営*の比率 10% f=e*10%	供給数 90% g=e*90%	需給バランス h=g-I	前年バランス j	公立機関 従事者 k	自然減 3.5% h-k*-3.5%	民間 従事者 m	自然減 2% n=m*-2%	前年需要 o	民間需要 病院需要 2% p
2003	0	0	0	0	-94	-94	599	-21	31	-1	31	-1
2004	18	18	2	16	-100	-116	586	-21	38	-1	32	-1
2005	40	39	4	35	-87	-122	583	-20	55	-1	32	-1
2006	40	39	4	35	-74	-109	580	-20	72	-1	33	-1
2007	40	39	4	35	-61	-96	578	-20	88	-2	34	-1
2008	40	39	4	35	-49	-84	575	-20	104	-2	34	-1
2009	40	39	4	35	-37	-72	573	-20	120	-2	35	-1
2010	40	39	4	35	-25	-60	570	-20	135	-3	36	-1
2011	40	39	4	35	-13	-48	568	-20	150	-3	36	-1
2012	40	39	4	35	-1	-37	566	-20	164	-3	37	-1
2013	40	39	4	35	10	-26	564	-20	179	-4	38	-1
2014	40	39	4	35	21	-15	562	-20	193	-4	39	-1
2015	40	39	4	35	32	-4	560	-20	207	-4	39	-1
2016	40	39	4	35	42	7	558	-20	220	-4	40	-1
2017	40	39	4	35	52	17	556	-19	233	-5	41	-1

注) 供給数の公立機関と民間への振り分け割合は以下のとおり

公立機関	50%
民間	50%

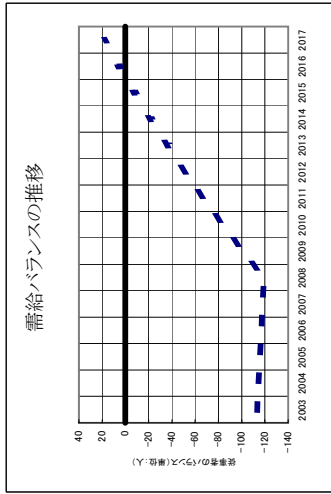
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保健医療従事者の需給バランスの検討

X線技師

需要サマリー

	現況(2002)	需要	不足
	a	b	c=a-b
公立機関	7	77	-70
病院等			
医療機関			
医療職以外			
公立小計	7	77	-70
民間			
医療機関			
病院			
103 機関		42	-42
医療職			
医療職他			
民間・NGO小計	0	42	-42
不足小計	7	119	-112



需給バランス

卒業年	供給					需要					
	入学時学生数		卒業生数		供給数	公立機関		民間		民間需要	
	d	e=d*98%	f=e*0%	g=e*100%	h=g-I	従事者	自然減	従事者	自然減	前年需要	病院需要
2003		0	0	0	-113	7	0	0	0	42	-1
2004		0	0	0	-114	7	0	0	0	43	-1
2005		0	0	0	-116	6	0	0	0	44	-1
2006		0	0	0	-117	6	0	0	0	45	-1
2007		0	0	0	-118	6	0	0	0	45	-1
2008		0	0	0	-119	5	0	0	0	46	-1
2009	20	20	0	20	-101	15	-1	10	0	47	-1
2010	20	20	0	20	-84	24	-1	19	0	48	-1
2011	20	20	0	20	-68	33	-2	29	-1	49	-1
2012	20	20	0	20	-52	41	-2	38	-1	50	-1
2013	20	20	0	20	-37	49	-2	47	-1	51	-1
2014	20	20	0	20	-22	56	-3	56	-1	52	-1
2015	20	20	0	20	-8	63	-3	65	-1	53	-1
2016	20	20	0	20	5	70	-3	73	-1	54	-1
2017	20	20	0	20	18	76	-4	81	-2	55	-1

注) 供給数の公立機関と民間への振り分け割合は以下のとおり

公立機関	50%
民間	50%

自営*とは、許認可にかかわらず個人でおこなう活動に従事しているもの等を指す
民間の需要については、今後さらに大きくなる可能性がある

TSMC卒業生の就職先実績

2000-2003年の在職者数

コース	就職先	病床数	現在の勤務者の実数	卒業生の総数 1980-2003年	採用実績数		
					TSMC出身者	他校出身者	
看護師コース	カルメット病院	268	164		162	RTC37名	
	シアヌーク病院	500	181		262	RTC47名	
	国立小児病院	114	113		118		
	ホープセンター	23-25	N/A		看護:66名 放射線科:2名		
	クンタボッパ病院	311	135		157	RTC5名	
	ヘルスセンター		593		21		
小計				3,930	720 (18.3%)	89	
助産師コース	カルメット病院	266	26		24		
	母子保健センター	154	116		136	RTC3名	
	赤十字病院		0		9	RTC2名	
	市民病院・ヘルスセンター	150	103		90	RTC9名	
小計			245	643	259 (40.3%)	14	
衛生検査技師コース	パスツール研究所	-	6		7		
	血液バンク	-	7		6		
	結核センター	150	14		14		
小計			27	621	27 (4.3%)		
理学療法士コース	カルメット病院	266	1		0		
	シアヌーク病院	500	4		1		
	国立小児病院	114	1		0		
	クンタボッパ病院	311	3		2		
	ブレアコサマク病院	250	5		2		
	結核センター	150	3		4		
	地域病院	タケオ				2	
		プレイヴェーン				1	
		スヴァーイリアン				2	
		コンボンチナン				2	
		ポーサット				3	
		バットンバン				4	RTC2名
シアヌークビル				1			
小計				147	24 (16.3%)	2	
合計				5,341	1,030	105	

出典:MOH資料2003年 TSMC年度別卒業生一覧(2003年)

(注)すべてTSMCの実習病院を対象に調査



ព្រះរាជាណាចក្រកម្ពុជា
ជាតិ សាសនា ព្រះមហាក្សត្រ
លេខ ២៩ អនក្រ. ២១

មជ្ឈមណ្ឌលសិទ្ធិការពារអរិយធម៌កម្ពុជា

លេខ : ៣៧ ០៧.៩.៧៧
ចេញនៅ ភ្នំពេញ

សង្កាត់ : ភ្នំពេញ
ខណ្ឌ : ដំណង់
ក្រុង : ភ្នំពេញ

ក្រុមប្រឹក្សាភិបាល ខេត្តកោះកុង ថ្ងៃទី ១០ ខែ កញ្ញា ឆ្នាំ ២០១៤
គ.ប រដ្ឋមន្ត្រី ក្រសួងរៀបចំដែនដី នគរូបនីយកម្ម និង សំណង់
ប្រធានមន្ទីររៀបចំដែនដី នគរូបនីយកម្ម សំណង់ និង សុរិយាល័យ



ក្រដាសពុម្ពលេខ : ៩

ឈ្មោះ : ឈ្មោះភូមិ :
លេខ : ១៩៩-១៩៧-២៧-៤៤៣០ ទីស្តីការគណៈរដ្ឋមន្ត្រី លេខ : ៣០៤
F-106 1.2

ស្រុក/ខេត្ត :

ខាងជើង : ១៩៩៩ ៤៩០
ខាងត្បូង : ១៩៩៩ ២៧១ ភូមិសាស្ត្រ ៩០៨
ខាងកើត : ១៩៩៩ ១៩៩
ខាងលិច : ១៩៩៩ ១៩៧

សំណង់ ថ្ងៃទី ១១ ខែ មិថុនា ឆ្នាំ ២០១៤

ប្រធានការិយាល័យរៀបចំដែនដី នគរូបនីយកម្ម សំណង់ និង ភូមិបាល



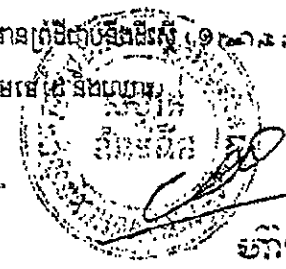
ស៊ុន សុភ័ក្តិ

កាលបរិច្ឆេទ : បេឡាភូមិភាគខ្មែរ ឆ្នាំ ២០១៤ ថ្ងៃទី ១១ ខែ មិថុនា ឆ្នាំ ២០១៤ រដ្ឋមន្ត្រី ក្រសួងរៀបចំដែនដី នគរូបនីយកម្ម និង សំណង់
ឈ្មោះ : បេឡាភូមិភាគខ្មែរ ឆ្នាំ ២០១៤ ថ្ងៃទី ១១ ខែ មិថុនា ឆ្នាំ ២០១៤ រដ្ឋមន្ត្រី ក្រសួងរៀបចំដែនដី នគរូបនីយកម្ម និង សំណង់
ឈ្មោះ : បេឡាភូមិភាគខ្មែរ ឆ្នាំ ២០១៤ ថ្ងៃទី ១១ ខែ មិថុនា ឆ្នាំ ២០១៤ រដ្ឋមន្ត្រី ក្រសួងរៀបចំដែនដី នគរូបនីយកម្ម និង សំណង់
លេខ : ៣០៤

ព្រំប្រទល់ :

- ខាងជើងទល់នឹង..... ៤៩០
 - ខាងត្បូងទល់នឹង..... ២៧១ + ៣០៣
 - ខាងកើតទល់នឹង..... ១៩៣
 - ខាងលិចទល់នឹង..... ១៩៧
- ចំប៉ា..... ០១ ហិកតា..... ៤០ អា..... ៩៩ សម្ព័ន្ធ

អ្នកមានព្រំដីជាប់នឹងដីស្នើសុំ (ស្នាមដី ដី និង ឈើ)



អ្នកស្នើសុំ

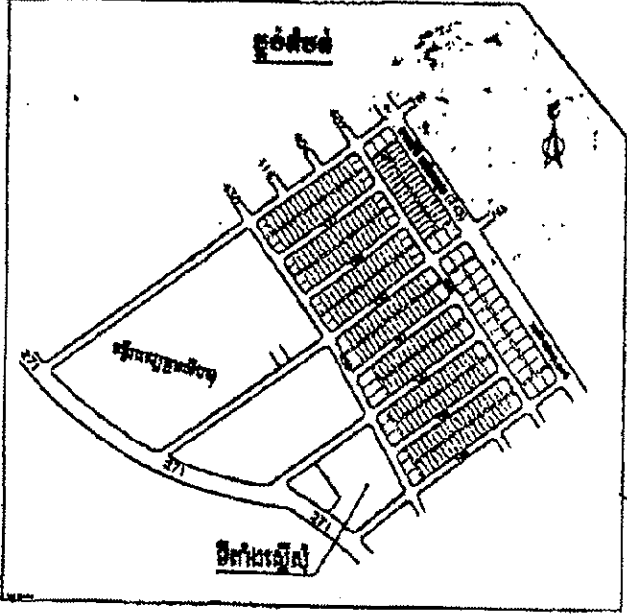


ឃុំវាលស្រែ

(គឺជាភស្តុតាងនៃការដាក់ប្រាក់បញ្ញើ និង ការប្រកាស)

(១) ចំពោះដីដែលមានព្រំប្រទល់អ្នកស្នើសុំ មិនចាំបាច់ដាក់ប្រាក់បញ្ញើ តែប្រើប្រាស់ និង ប្រកាស តាមការស្នើសុំ តែប្រើប្រាស់ និង ប្រកាស តាមការស្នើសុំ តែប្រើប្រាស់ និង ប្រកាស តាមការស្នើសុំ

ផែនទីបង្ហាញទីតាំងដីស្នើសុំ

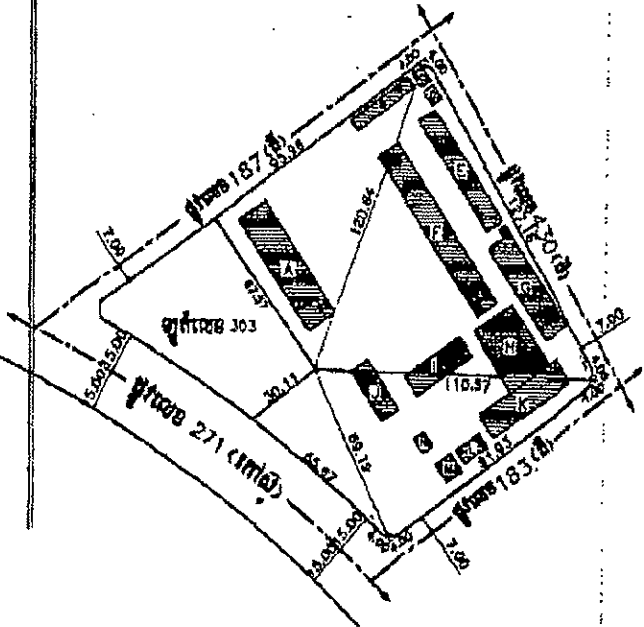


ព័ត៌មានសំខាន់ៗ:

- ដីស្នើសុំប្រយ័ត្នស្ថិតិ : ០១៣៤០៣៣៨៤
- ▨ ក្រណាត់ស្រួចស្រាវជ្រាវ : A=12.70x49.00 , B=4.70x27.00
- C=4.60x6.00 , D=4.60x6.00
- E=7.30x48.30 , F=9.20x70.00
- G=(10.00x44.00)-(7.00x3.80)
- H=18.00x26.00, I=8.30x25.00
- J=7.70x21.50, K=10.00x36.00
- L=5.50x11.00 , M=7.30x7.70

រូបភាពដី និងប្រវែងជ្រុងរាងវែង

ដីស្នើសុំលេខ ៣០១ ផ្ទៃដី ២៧១ សង្កាត់ចំនប់ទឹក ក្រុងស្រីសោត ០២ ស្រុកលេខ ១០៥ មាត្រដ្ឋាន: 1/2500



រាងដោយភ្នាក់ងារស៊ុយយេដ

ថ្ងៃទី...ខែ...ឆ្នាំ ២០០៤

Signature of the surveyor.

៧

ចំពើយរបស់អ្នកស្នើសុំ : ឪពុក : ហាងលក់បាយក្រសួង ភ្នំពេញ ភ្នំពេញ ភ្នំពេញ
លេខ 127 អង្គការ. បក ភ្នំពេញ 19 ខែ ឧសភា 2001 របស់អង្គការ. បក ភ្នំពេញ
បក ភ្នំពេញ 19 ខែ ឧសភា 2001 របស់អង្គការ. បក ភ្នំពេញ
បក ភ្នំពេញ 19 ខែ ឧសភា 2001 របស់អង្គការ. បក ភ្នំពេញ



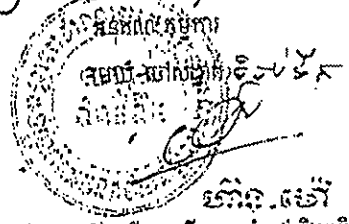
ហង ភ្នំពេញ
(ភ្នំពេញ ភ្នំពេញ) ភ្នំពេញ ភ្នំពេញ

ចំពើយរបស់អ្នកជំទាវ : ភ្នំ

៦/៧

យោបល់របស់អ្នកកាត់កម្មការ : ឪពុក : ហាងលក់បាយក្រសួង ភ្នំពេញ ភ្នំពេញ ភ្នំពេញ
លេខ 127 អង្គការ. បក ភ្នំពេញ 19 ខែ ឧសភា 2001 របស់អង្គការ. បក ភ្នំពេញ
បក ភ្នំពេញ 19 ខែ ឧសភា 2001 របស់អង្គការ. បក ភ្នំពេញ
បក ភ្នំពេញ 19 ខែ ឧសភា 2001 របស់អង្គការ. បក ភ្នំពេញ

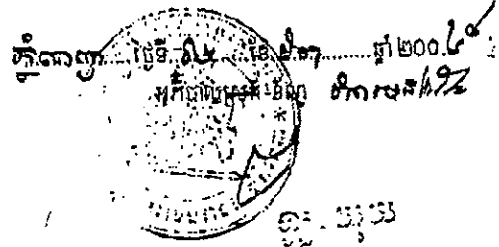
ថ្ងៃទី ១២ ខែ កុម្ភៈ ឆ្នាំ ២០០៤



យោបល់របស់ការិយាល័យរៀបចំផែនទីនគរូបនីយកម្មសំណង់ និងស៊ុមិយា
- ភ្នំពេញ ថ្ងៃទី ១២ ខែ កុម្ភៈ ឆ្នាំ ២០០៤

យោបល់របស់អភិបាលស្រុក-ខ័ណ្ឌ

- ឯកភាព ភ្នំពេញ ថ្ងៃទី ១២ ខែ កុម្ភៈ ឆ្នាំ ២០០៤



យោបល់របស់ការិយាល័យរៀបចំផែនទីនគរូបនីយកម្មសំណង់ និងស៊ុមិយា

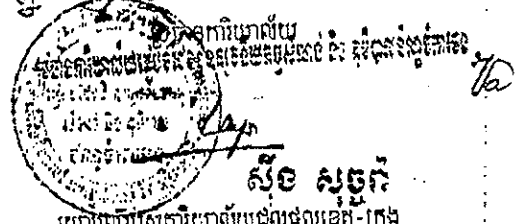
ថ្ងៃទី ១២ ខែ កុម្ភៈ ឆ្នាំ ២០០៤

ការិយាល័យរៀបចំផែនទីនគរូបនីយកម្មសំណង់ និងស៊ុមិយា

សេចក្តីលំអរបស់អភិបាលខេត្ត-ក្រុង

Handwritten signature

ថ្ងៃទី ១១ ខែ កុម្ភៈ ឆ្នាំ ២០០៤



យោបល់របស់ការិយាល័យជលផលខេត្ត-ក្រុង

ថ្ងៃទី ១២ ខែ កុម្ភៈ ឆ្នាំ ២០០៤

ការិយាល័យជលផល

យោបល់របស់មន្ទីររៀបចំផែនទីនគរូបនីយកម្ម សំណង់ និងស៊ុមិយា

Handwritten signature

ថ្ងៃទី ១២ ខែ កុម្ភៈ ឆ្នាំ ២០០៤

ក្រសួងស្រូវ និង រុក្ខាប្រមាញ់
ខេត្ត-ក្រុង.....
ស្រុក-ខ័ណ្ឌ.....
ឃុំ-សង្កាត់.....
ភូមិ.....

ព្រះរាជាណាចក្រកម្ពុជា
ជាតិ សាសនា ព្រះមហាក្សត្រ
គណៈកម្មាធិការជាតិរៀបចំផែនទីនគរូបនីយកម្មសំណង់ និងស៊ុមិយា

យើង សូមជូនដំណឹងដល់ អង្គការស្រូវ និង រុក្ខាប្រមាញ់ ក្រសួងស្រូវ និង រុក្ខាប្រមាញ់
របស់ខេត្ត..... ក្រុង..... សង្កាត់..... ភូមិ.....
សំណង់ លេខ..... រយៈពេល..... ខេត្ត-ក្រុង.....

9/7

យោងតាមពាក្យស្នើសុំកាន់កាប់ដីធ្លីចុះថ្ងៃទី.....ខែ.....ឆ្នាំ ២០០០...
 បង្កាន់ដៃបង់ប្រាក់ថ្លៃអង្កេតលេខ.....ចុះថ្ងៃទី.....ខែ.....ឆ្នាំ ២០០០... ចំនួនប្រាក់.....រៀល
 ដីស្ថិតនៅក្នុងភូមិ.....ឃុំ-សង្កាត់.....ស្រុក-ខ័ណ្ឌ.....ខេត្ត-ប្រទេស.....
 ឈ្មោះដី.....ប្រភេទដី.....ទំហំដីប្រមាណ.....ហិកតា.....ម៉ែត្រការ៉េ.....
 ឆ្នាំ ២០០០ 271

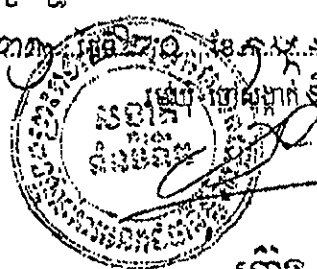
ទ្រព្យសម្បត្តិ :

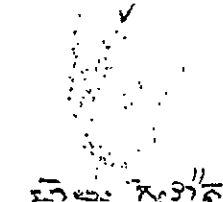
អំពីសារវត្ថុ

ថ្មី	ប្រពន្ធ
អត្តសញ្ញាណប័ណ្ណលេខ.....
នាមប្រកួល និងនាមខ្លួន.....
ថ្ងៃ-ខែ-ឆ្នាំកំណើត.....
ទីកន្លែងដែលកើត.....
សញ្ជាតិ.....
ជំពូកឈ្មោះ.....
ម្តាយឈ្មោះ.....
ទីលំនៅបច្ចុប្បន្ន.....

សាក្សី
 ទី១
 ទី២

ស្នាមមេដៃស្តាប់សំឡេងស្នើសុំ

លេខ :
 បានឃើញ និងបញ្ជាក់ថា សារវត្ថុខាងលើ
 ពិតជាត្រឹមត្រូវ ។
 ឆ្នាំ ២០០០ ថ្ងៃ ទី ០២ ខែ ០១

 ហត្ថលេខា


 (គឺសារវត្ថុស្តាប់សំឡេងស្នើសុំ)

既存施設の診断結果

調査期間：2004年2月12日～2月22日

調査建物：既存教室棟、既存管理棟、既存便所棟

調査内容：1) シュミットハンマー（SH）による強度劣化試験（試験結果別紙）

- 2) 建物建て入れ検査
- 3) 不等沈下（土間）検査
- 4) モルタル浮き診断及びクラック調査（床、壁）
- 5) 木トラス目視検査
- 6) 漏水状況検査
- 7) 屋根目視検査
- 8) ペイント目視検査
- 9) 建具検査
- 10) 設備目視検査

1. 既存主要建物概要

建物概要	完成時	構造	仕上げ
既存教室棟	1968年頃	3F/RC造	床/タイル仕上、一部現場テラゾ 壁/プラスターの上ペイント仕上 天井/直天、プラスターの上ペイント仕上げ 屋根/レンガ敷スラブの上、置式木トラス、波型セメント板葺
既存管理棟	1968年頃	2F/RC造	床/タイル仕上、一部現場テラゾ 壁/プラスターの上ペイント仕上 天井/直天、プラスターの上ペイント仕上げ 屋根/レンガ敷スラブの上、置式木トラス、波型セメント板葺
既存便所棟	1968年頃	1F/RC造	床/タイル仕上 壁/プラスターの上ペイント仕上 天井/ペイント仕上げ 屋根/木トラスの上波型セメント板葺

2. 建物状況概要

床	クラックはほとんど見られず構造は良好。1階では沈下は見られず。2階、3階も良好。タイルの摩滅等の劣化がある。
外壁	バラベット、開口部周りの劣化、亀裂、一部破損が見られるが、主体構造まで影響せず。モルタルは非常に細かいヘアクラックが見られる。
内壁	非常に細かいヘアクラックが見られる。亀裂、破損はほとんどない。
柱	テラゾー仕上げの一部破損程度で、垂直良く、ほとんど問題ない。
梁	プラスター仕上げの若干の劣化程度で、ほとんど問題ない。
天井	屋根スラブからの一部漏水が見られたため、屋根スラブは劣化しているものと思われる。レンガ敷スラブであり、信頼性も低い。(便所棟除く)
屋根	トラスは老朽化しており、屋根セメント板は部分的に破損。取替えが必要。

3. 測定診断結果

構造強度	シュミットハンマーの測定結果から別紙に示すような強度を得た。柱、梁、床ともに十分な強度であり、良質の施工が行われたものと思われる。
建て入れ	垂直性は良好であり、問題ない。
壁	外壁はバラベットをはじめ、傷みの激しい部分があるほか、モルタル面にはヘアクラックが全体に広がっている。ラーメン構造にレンガの壁であることから、壁のレンガ自体の劣化も心配される。しかし、柱・梁の変形から生じたクラック等は見られない。
沈下	建物の不等沈下は無し。

4. 結論

建物は築約 35 年で、構造的に問題無し。構造クラックもなく、垂直性も保持され、沈下も見られない。

構造 腐食膨張等による構造的なクラックもなく、強度も十分でありコンクリートの中酸化も見られないと判断する。

屋根 屋根スラブは漏水しているうえレンガ敷のため、取り替えておく必要がある。木トラスも今後の使用には耐えない。波型セメント板も早急に交換の必要がある。

壁 改修後の使用を考えると、レンガごと交換するのが望ましい。仕上げのモルタル、プラスターはヘアクラックや破損箇所があり、はがして交換する必要がある。下地のレンガはそれほど厚い壁体ではなく、建具の交換も必要なことから、改修時更新することが望ましい。

建具 かるうじて使用に耐えているが傷みが激しく交換が必要である。

天井 仕上げの劣化があるため、改修時には天井を張るか仕上げの交換が望ましい。

床 構造的な欠陥はないが、タイルの傷みがあるため、改修時には交換が必要である。テラゾーも同様。

MINISTRY OF PUBLIC WORKS AND TRANSPORT

BUILDING AND PUBLIC WORKS LABORATORY

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HP : (855) 12 810 803


SUMMARY TEST OF RESULT

File Number : 2004/M / 1571

Subject : Measure the resistance of concrete by method no-destructive testing (Schmidt test hammer)
for the project Renovation of technical school for Medical Care in Kingdom of Cambodia.

Testing date:04/03/2004

Sym.	Name	1	2	3	4	5	6	7	8	9	10	Ave	St. Deviat	I.Scl.90	Rc/Mpa
ST.1															
E-1	Column	47	44	50	45	46	45	46	46	46	56	4'	3.33	42.84	44.00
E-2	Beam	43	47	42	42	41	44	41	40	43	48	4'	2.37	40.27	40.00
E-3	Slab	49	51	41	47	46	52	46	44	50	50	4'	3.41	43.04	38.20
ST.2															
E-1	Column	48	41	50	49	41	49	41	40	42	42	4'	4.07	39.99	39.00
E-2	Beam	43	42	50	46	43	54	43	43	44	50	4'	4.46	41.19	41.00
E-3	Slab	50	42	47	53	49	52	49	46	46	48	4'	3.03	44.32	41.00

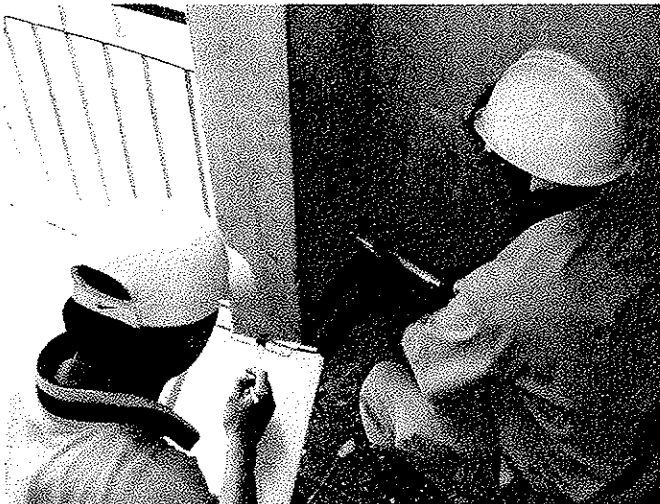
Director: 
KEO LEAP
05 MAR 2004



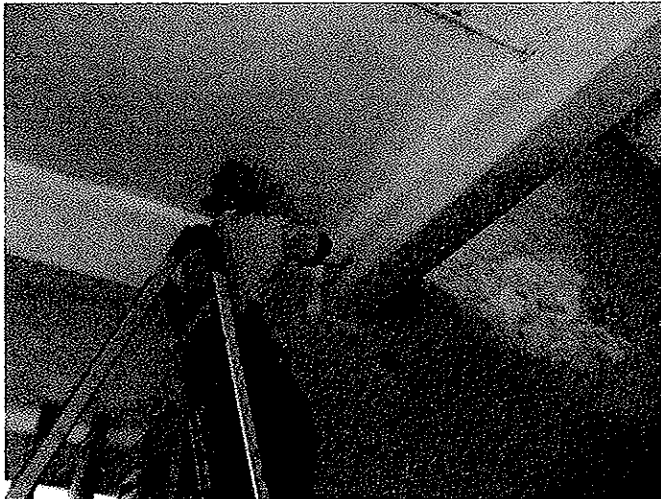
**Stair No2 E-1
Chipping Column for testing**



**Stair No2 E-1
Marking**



**Stair No2 E-1
Testing Concrete**



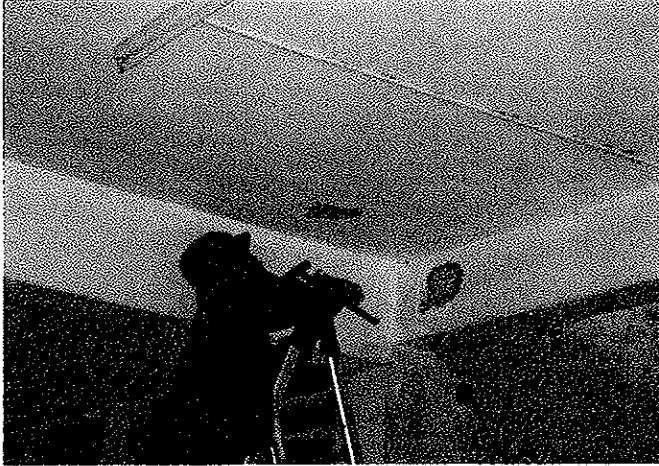
Stair No2 E-2
Chipping Beam for testing



Stair No2 E-2
Chipping Finish



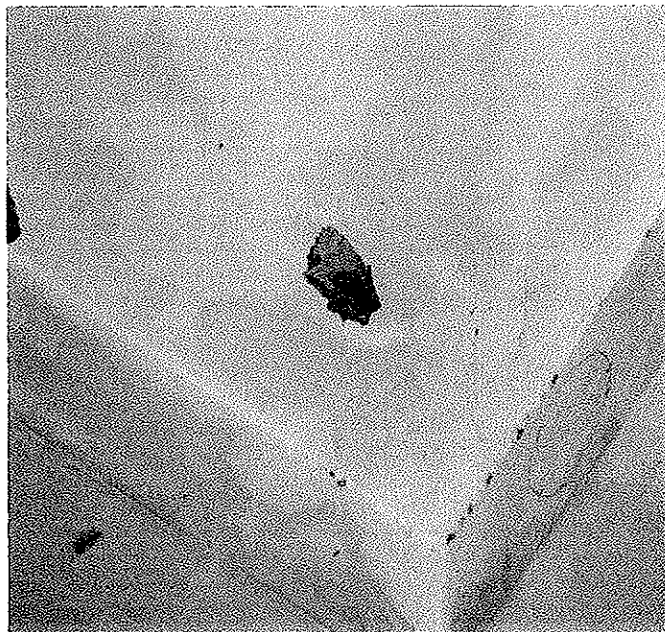
Stair No2 E-2
Testing Concrete



Stair No2 E-2
Chipping Slab for testing



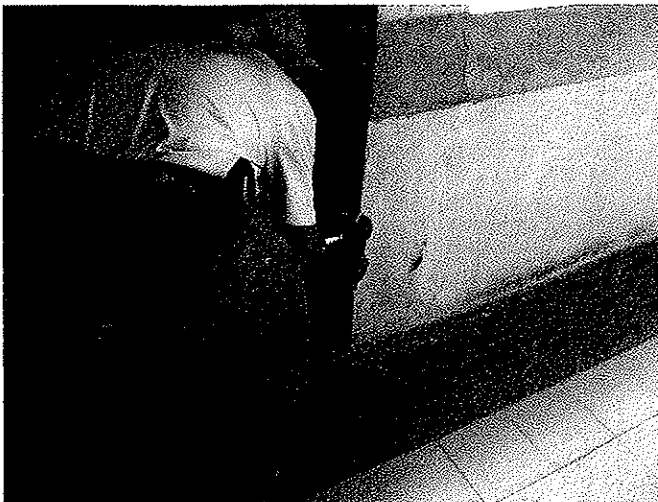
Stair No2 E-2
Testing Concrete



Roof Slab



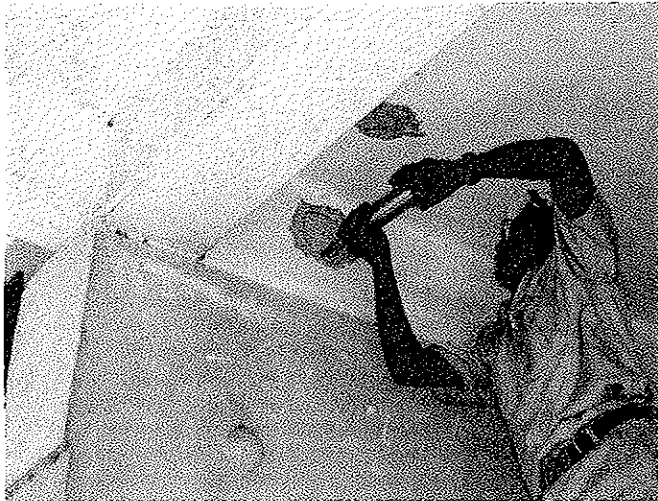
Stair No1 E-1
Chipping Column for testing



Stair No1 E-1
Testing Column



**Stair No1 E-2
Chipping Beam for testing**



**Stair No1 E-2
Testing Concrete**



**Stair No1 E-2
Testing Concrete**

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SUMMARY TEST OF RESULT

File Number : 2004/ M / 1571

Subject : Measure the resistance of concrete by method no-destructive testing (Schmidt test hammer)
for the project Renovation of technical school for Medical Care in Kingdom of Cambodia.

Study Building

Sym.	Name	1	2	3	4	5	6	7	8	9	10	Average	St. Deviat	ISel.90	Rc/Mpa
ST.1	G.F														
E0-1	Column	56	54	61	58	56	54	57	54	56	56	56.20	2.03	53.6	68.00
E0-2	Slab	56	58	57	58	56	58	56	56	58	58	57.10	0.94	55.89	70.00
E0-3	Beam	44	44	42	40	39	46	44	43	46	40	42.80	2.35	39.79	40.00
ST.2	G.F														
E0-1	Column	58	54	63	60	60	62	62	60	62	58	59.20	2.54	56.64	70.00
E0-2	Slab	54	53	53	48	52	50	48	48	51	50	50.70	2.14	47.96	59.00
E0-3	Beam	43	46	42	40	47	43	43	40	45	45	43.70	2.60	40.37	40.00
ST.1	1st FL														
E1-1	Column	55	53	55	53	48	53	56	52	49	49	52.30	2.64	48.92	54.00
E1-2	Slab	44	43	40	38	37	36	48	40	40	42	40.80	3.40	36.44	38.000
E1-3	Beam	44	41	47	43	42	47	45	44	43	45	44.10	1.86	41.71	43.00

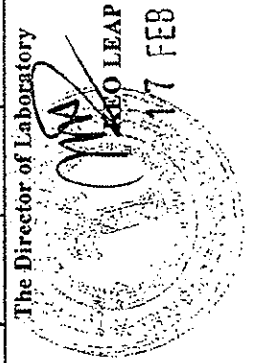
Sym.	Name	1	2	3	4	5	6	7	8	9	10	Average	St. Deviat	I.Scl.90
Study Building														
ST.2	1st FL													
E1-1	Column	50	48	48	50	50	50	46	48	46	51	48.70	1.67	46.56
E1-2	Slab	54	54	52	51	51	50	52	54	53	55	52.60	1.56	50.60
E1-3	Beam	52	48	46	44	40	43	40	48	46	46	45.30	3.52	40.79
ST.1	2nd FL													
E2-1	Column	44	46	47	49	44	44	48	48	47	44	46.33	1.86	43.94
E2-2	Slab	42	40	38	38	36	36	37	38	40	38	38.30	1.79	36.00
E2-3	Beam	46	44	40	40	40	44	46	48	46	46	44.00	2.82	40.39
ST.2	2nd FL													
E2-1	Column	46	48	46	48	47	54	43	48	46	44	47.00	2.82	43.39
E2-2	Slab	51	50	48	49	50	53	50	51	48	46	49.60	1.85	47.23
E2-3	Beam	41	38	38	37	38	36	36	34	35	38	37.10	1.86	34.71
Roof	Roof Slab	30	33	28	24	28	32	34	32	30	34	29.50	3.32	25.25

A12 - 11

Administration Building

Sym.	Name	1	2	3	4	5	6	7	8	9	10	Average	St. Deviat	I.Scl.90	Rc/Mpa
G.F															
E0-1	Column	42	39	42	42	43	43	44	47	44	42	42.80	1.93	40.32	40.00
E0-2	Slab	52	53	51	51	50	43	52	53	44	45	50.00	3.00	46.16	55.00
E0-3	Beam	42	43	40	44	42	42	44	43	42	44	42.60	1.20	41.56	42.00
ST.1	1st FL														
E1-1	Column	44	35	43	47	43	43	42	42	39	41	41.90	3.01	38.40	36.00
E1-2	Slab	47	52	52	52	50	46	44	44	44	45	47.60	3.35	43.31	50.00
E1-3	Beam	36	38	37	36	38	38	39	36	36	38	37.20	1.07	35.83	32.00
E1-4	Column	36	38	36	38	37	40	37	37	37	38	37.00	1.30	35.43	31.00
Roof	Roof slab	34	33	34	34	36	34	33	34	34	33	33.90	0.83	32.83	33.00

The Director of Laboratory



17 FEB 2004

Existing Equipment List inTSMC

Department	Description	Q'ty	Brand/Model etc.	Situation		Remarks
				Work'g	Broken	
Clinical Lab	Agiateur	1	Type2 18-0100	○		
Clinical Lab	Agiateur	1	VM3	○		
Clinical Lab	Autoclave	1	CK 111	○		
Clinical Lab	Autoclave (Big)	1	626-E		○	
Clinical Lab	Balance (Electric)	1	A&D HF-200	○		
Clinical Lab	Balance (Electric)	1	S2000		○	
Clinical Lab	Balance	3	Bosch	○		
Clinical Lab	Binding Machine	1	GBC2000 IM2000	○		
Clinical Lab	Calculator (Big)	9	manual type	○		
Clinical Lab	Calculator (Small)	6	manual type	○		
Clinical Lab	Centrifuge	1	Labofuge 400	○		from Sihanhok Hospital
Clinical Lab	Centrifuge	2	HERMLE Z230A	△		not in good condition
Clinical Lab	Centrifuge	1	LXJ-84-01.44		○	
Clinical Lab	Comp. CD-RD	1	PRIDE	○		
Clinical Lab	Comp./CD-Player/Speaker	1	Compaq ProLinea5100		○	
Clinical Lab	Computer Lap top	1	Toshiba T2100CS	○		
Clinical Lab	Computer Lap top	1	Toshiba T2130CS	○		
Clinical Lab	Cupboard	2				
Clinical Lab	Electric Stove	1				
Clinical Lab	Electric Stove	1				
Clinical Lab	Electric water bath	1	BOEKEL 148003	○		
Clinical Lab	Refridgerator	1	Engel		○	
Clinical Lab	Incubator	1	BINDER		○	
Clinical Lab	Incubator	1	MEMMERT	○		
Clinical Lab	Incubator	1	Si-5001C			
Clinical Lab	Key board	1	KFKEA 4XA	○		
Clinical Lab	Key board	1	KPQEA 42A		○	
Clinical Lab	Key board	1	MITSUMI		○	
Clinical Lab	Key board	1	Packard Bell			
Clinical Lab	Microscope	1	Labolux FEIT 11		○	
Clinical Lab	Microscope	1	Labolux FEIT 11		○	
Clinical Lab	Microscope	18	Olympus CHD	△		outside light
Clinical Lab	Microscope/Electric	5	Olympus CHD	○		MOH
Clinical Lab	Monitor	1	Compaq		○	
Clinical Lab	Monitor	1	PRIDE	○		
Clinical Lab	Overhead Projector	1	CELITEL 912	○		
Clinical Lab	Overhead Projector / table	1	CABIN			
Clinical Lab	Overhead Projector / table	1	CELITEL			
Clinical Lab	pH meter	2	WPA C6T	○		
Clinical Lab	Photocopy Machine	1	Canon NP2120	○		
Clinical Lab	Printer	1	HP DeskJet 660C		○	
Clinical Lab	Printer	1	HP DeskJet 870C	○		
Clinical Lab	Printer 6L	1	Laser Jet 6L	○		
Clinical Lab	Refrigerator	1	Mitsubisi	○		
Clinical Lab	Refrigerator	1	National NP-660	○		
Clinical Lab	Refrigerator / Freezer	2	Toshiba GR-R403	○		
Clinical Lab	Scanner	1	HP scan Jet 4C	○		
Clinical Lab	Slide Projector	1	Kodak S-AV 1050	○		
Clinical Lab	Spectrophotometre	2	Vitalab 10	○		

Department	Description	Q'ty	Brand/Model etc.	Situation		Remarks
				Work'g	Broken	
Clinical Lab	Table Lamp for Microscopy	10		△	○	
Clinical Lab	TV set	1		○		
Clinical Lab	Typewriter	1	Canon V008	○		
Clinical Lab	Universal Power Supply	1	UPS 1500	○		
Clinical Lab	Water purifying Machine	1		○		
Clinical Lab	White Screen	1		○		
Nursing	Respiratory System	1	Philips Harris	○		ADB
Nursing	Lung Model	1	Philips Harris	○		ADB
Nursing	Heart Model	2	Philips Harris	○		ADB
Nursing	Blood Circulation Model	1	Philips Harris	○		ADB
Nursing	Digestive System Model	2	Philips Harris	○		ADB
Nursing	Giant Model Villus	2	Philips Harris	○		ADB
Nursing	Lower Jaw	1	Philips Harris	○		ADB
Nursing	Tooth Model	1	Philips Harris	○		ADB
Nursing	Stomach Model	1	Philips Harris	○		ADB
Nursing	Liver Model	1	Philips Harris	○		ADB
Nursing	Kidney and Adrenal	2	Philips Harris	○		ADB
Nursing	Human Eye	2	Philips Harris	○		ADB
Nursing	Human Larynx	1	Philips Harris	○		ADB
Nursing	Plastic Skeleton	1	Philips Harris	○		ADB
Nursing	Muscular System Chart	2	Philips Harris	○		ADB
Nursing	Emergency Soft Pack with Spacer	2	Philips Harris	○		ADB
Nursing	Oxygen Regulator	1	Philips Harris	○		ADB
Nursing	Baby Manikin	1	Philips Harris	○		ADB
Nursing	I.V. Trainer	1	Philips Harris	○		ADB
Nursing	Intubation Trainer	1	Philips Harris	○		ADB
Nursing	Anatomical Human Body (bust)	2		○		
Nursing	Anatomical Human Body (small)	3		○		
Nursing	Nasal/Throat/Pharynx Model	3		○		
Nursing	Pregnant Uterus Model	3		○		
Nursing	Chest Model	2		○		
Nursing	Weighing Scale for Infant	2		○		
Nursing	Weighing Scale for Adult	1		○		
Nursing	Plastic Skeleton	1			○	
Nursing	Baby Manikin	4		○	○	
TMP&L	Computer	2	Compaq Deskpro 2000	○		ADB
TMP&L	Monitor	2		○		ADB
TMP&L	Printer	2		○		ADB
TMP&L	UPS/AVR	2	3KW	○		ADB
TMP&L	Photocopy	1	SHARP SF-1016	○		ADB
TMP&L	Generator	1	Petbow 110KVA	○		ADB
TMP&L	TV set	1	SONY KV-J21PF2	○		ADB
TMP&L	Video Cassette Recorder	1	SONY SLV-7000KPS	○		ADB
TMP&L	Audio -Digital Amplifier	1		○		ADB
TMP&L	Slide Projector	1		○		ADB
TMP&L	Speaker	2		○		ADB
TMP&L	Microphone	2		○		ADB
TMP&L	Microphone stand (Floor stand)	1		○		ADB
TMP&L	Microphone stand (Table stand)	1		○		ADB
TMP&L	Slide Projector	1	DP-1000II	○		ADB
TMP&L	Overhead Projector	3	3M9100	○		ADB

Department	Description	Q'ty	Brand/Model etc.	Situation		Remarks
				Work'g	Broken	
TMP&L	Screen	3	1.8m	○		ADB
TMP&L	Computer Scanner	1	HP scan Jet 5100C	○		ADB
TMP&L	Video Camera	1	Panasonic M9000	○		ADB
TMP&L	Camera	1	NIKON w/38-105mm	○		ADB
TMP&L	Proxima Desktop Projector	1	XV-348P	○		ADB
TMP&L	Communication System		PABX Panasonic 680X			
TMP&L	Main Phone	1	KX-T7030	○		ADB
TMP&L	Extension Phone	16	Extension Phone	○		ADB
TMP&L	FAX	1	KX-T780BX	○		ADB
TMP&L	FAX Modem for E-mail	1		○		ADB
Midwife	Delivery Table	1		○		
Midwife	Pregnant Uterus Model	4		○		
Midwife	Dummy for Midwifery	2		○		
Midwife	Dummy for baby care	6		○		
Midwife	Irrigator Stand	1		○		
Midwife	Baby scale (Height&Weight Scale)	1		○		
Midwife	Ambu bag	3		○		
Physiotherapy	Treatment Table	13		○		
Physiotherapy	Wheel Chair	3		△	○	
Physiotherapy	Human Skeleton	1			○	
Physiotherapy	Parallel Bars	1		○		
Physiotherapy	Mirror	1		○		
Physiotherapy	Ball for treatment (Large)	1		○		
Physiotherapy	Ball for treatment (Small)	1		○		
Physiotherapy	Negatoscope	1		○		in staff room
Physiotherapy	OHP	2		○		
Physiotherapy	Photocopy Machine	1	SHARP SF1020	○		not in good condition
Physiotherapy	Printer	1	HP DeskJet 520	○		
Physiotherapy	Computer	1	Fujitec	○		FD only
Physiotherapy	Printer	1	Laser 1000series	○		
Physiotherapy	Computer	1		○		USB, Windows 2001

Planned Equipment

Item No.	Location	Description	Q'ty
N- 1	Nursing/Midwifery	Anatomical human body	1
N- 2	Nursing/Midwifery	Human skeleton	1
N- 4	Nursing/Midwifery	Phantom for delivery	1
N- 5	Nursing/Midwifery	Breast cancer simulator	1
N- 6	Nursing/Midwifery	Injection simulator	8
N- 7	Nursing/Midwifery	Infant height&weight scale	2
N- 10	Nursing/Midwifery	Desk	**
N- 11	Nursing/Midwifery	Chair	**
P- 28	Physiotherapy	Wheel chair	2
P- 29	Physiotherapy	Skeleton model	1
P- 30	Physiotherapy	Joint phantom model	1
P- 31	Physiotherapy	Desk	**
P- 32	Physiotherapy	Chair	**
C- 12	Lab Technology	Electronic analytical balance	1
C- 13	Lab Technology	Haematocrit centrifuge	2
C- 14	Lab Technology	Binocular microscope	15
C- 14a	Lab Technology	Teaching microscope	2
C- 32	Lab Technology	Deep Freezer	1
C- 50a	Lab Technology	Desk	**
C- 50b	Lab Technology	Chair	**
X- 1	X-Ray Technology	General X-ray unit	1
X- 2	X-Ray Technology	Mobile X-ray apparatus	1
X- 6	X-Ray Technology	Automatic film processor	1
X- 7	X-Ray Technology	Manual film processor	2
X- 8	X-Ray Technology	X-ray film dryer	1
X- 9-1	X-Ray Technology	Cassette set	4
X- 9-1a	X-Ray Technology	Screen set	8
X- 10-1	X-Ray Technology	X-ray film hanger	4
X- 10-5	X-Ray Technology	X-ray film hanger	4
X- 11	X-Ray Technology	Liquid thermometer	4
X- 12	X-Ray Technology	Dark room timer	2
X- 19	X-Ray Technology	Film mark set	5
X- 20	X-Ray Technology	Negatoscope, portable	2
X- 21	X-Ray Technology	Negatoscope, desk top	2
X- 22	X-Ray Technology	X-ray Protective Apron	3
X- 23	X-Ray Technology	X-ray protective floor screen	3
X- 25	X-Ray Technology	Ultrasound scanner	1
X- 27	X-Ray Technology	Examination bed	1
X- 32	X-Ray Technology	Cranial phantom (bone equiv)	1
X- 33	X-Ray Technology	Joint phantom set (bone equiv)	1
X- 36	X-Ray Technology	Resolution test chart	1
X- 37	X-Ray Technology	Acryl phantom	1
X- 41	X-Ray Technology	Desk	**
X- 28	X-Ray Technology	Chair	**

Item No.	Location	Description	Q'ty
L- 5	Teach'g Material Prod	LCD projector	4
L- 9	Teach'g Material Prod	CCD video camera	4
L- 12	Teach'g Material Prod	Digital camera	4
O- 2	Teach'g Material Prod	Computer	2
L- 13	Teach'g Material Prod	Printer for computer	2
L- 15	Teach'g Material Prod	Scanner	4
L- 16	Teach'g Material Prod	Visual presenter	4
L- 11	Teach'g Material Prod	Desk	**
L- 11a	Teach'g Material Prod	Chair	**

** : To be included

Rough Specifications of Planned Equipment

Item No.	Location	Description	Rough Spec
N- 1	Nursing/Midwifery	Anatomical human body	Height:Approx 100cm, Div:approx 30
N- 2	Nursing/Midwifery	Human skeleton	Full size w/stand and casters
N- 4	Nursing/Midwifery	Phantom for delivery	w/ baby manikin
N- 5	Nursing/Midwifery	Breast cancer simulator	Wearable
N- 6	Nursing/Midwifery	Injection simulator	Intra-muscular, Wearable on upper arm and hip
N- 7	Nursing/Midwifery	Infant height&weight scale	Height:approx 100cm, Weight:approx 10kg
N- 10	Nursing/Midwifery	Desk	For two persons and others
N- 11	Nursing/Midwifery	Chair	Steel frame w/plastic base&backrest, and others
P- 28	Physiotherapy	Wheel chair	Folding type
P- 29	Physiotherapy	Skeleton model	Full size
P- 30	Physiotherapy	Joint phantom model	Elbow, Knee, Ankle, Wrist, Shoulder, Thigh
P- 31	Physiotherapy	Desk	For two persons and others
P- 32	Physiotherapy	Chair	Steel frame w/plastic base&backrest, and others
C- 12	Lab Technology	Electronic analytical balance	Approx 220g, Approx 100x100mm
C- 13	Lab Technology	Haematocrit centrifuge	Approx 12000rpm max, 30 tubes, Digital disp
C- 14	Lab Technology	Binocular microscope	10x eyepiece, 10x 40x 100x plan
C- 14a	Lab Technology	Teaching microscope	10x eyepiece, 10x 40x 100x plan, Face-to-Face
C- 32	Lab Technology	Deep Freezer	Appox 140L, -20 to -35 degrees
C- 50a	Lab Technology	Desk	For two persons and others
C- 50b	Lab Technology	Chair	Steel frame w/plastic base&backrest, and others
X- 1	X-Ray Technology	General X-ray unit	Inverter generator, Bucky table&chest stand
X- 2	X-Ray Technology	Mobile X-ray apparatus	Inverter generator, 100kV/35mA max
X- 6	X-Ray Technology	Automatic film processor	18x24cm to 35x43cm
X- 7	X-Ray Technology	Manual film processor	Approx 18L develop&fix tank, Water tank
X- 8	X-Ray Technology	X-ray film dryer	Stainless steel, Up to 35x43cm
X- 9-1	X-Ray Technology	Cassette set	18x24cm to 35x43cm, 5 sizes
X- 9-1a	X-Ray Technology	Screen set	18x24cm to 35x43cm, 5 sizes
X- 10-1	X-Ray Technology	X-ray film hanger	18x24cm, 35x35cm
X- 10-5	X-Ray Technology	X-ray film hanger	30x40cm, 24x30cm
X- 11	X-Ray Technology	Liquid thermometer	Up to 50 degrees, Cylindrical type
X- 12	X-Ray Technology	Dark room timer	1 to 60 min, w/alarm
X- 19	X-Ray Technology	Film mark set	Alphabet&Numerals for name, rt/lt
X- 20	X-Ray Technology	Negatoscope, portable	35x43cm x 4 films, w/casters
X- 21	X-Ray Technology	Negatoscope, desk top	35x43cm x 4 films
X- 22	X-Ray Technology	X-ray Protective Apron	0.25mmPb, 0.35mmPb, L/M size
X- 23	X-Ray Technology	X-ray protective floor screen	Lead glass viewport&lead acrylic
X- 25	X-Ray Technology	Ultrasound scanner	Portable B/W monitor, Convex&linear probes
X- 27	X-Ray Technology	Examination bed	Approx 1900x650x620mm
X- 32	X-Ray Technology	Cranial phantom (bone equiv)	Skull phantom for radiography
X- 33	X-Ray Technology	Joint phantom set (bone equiv)	Elbow, Knee, Hand&Foot joints for radiogr'y
X- 36	X-Ray Technology	Resolution test chart	High contrast resolution test chart
X- 37	X-Ray Technology	Acryl phantom	Acryl plate phantom for absorption test
X- 41	X-Ray Technology	Desk	For two persons and others
X- 28	X-Ray Technology	Chair	Steel frame w/plastic base&backrest, and others

Item No.	Location	Description	Rough Spec
L- 5	Teach'g Material Prod	LCD projector	1600 ANSI lumen or more, SVGA or higher
L- 9	Teach'g Material Prod	CCD video camera	600 K pixels
L- 12	Teach'g Material Prod	Digital camera	CCD camera, 3.2 M pixels or more,
O- 2	Teach'g Material Prod	Computer	Desktop, Pen IV or higher, 80GB HDD, MOD
L- 13	Teach'g Material Prod	Printer for computer	Ink jet/Laser types, color, 2400dpi or higher, A4 max
L- 15	Teach'g Material Prod	Scanner	2400x2400dpi or better, A4 max, USB2.0
L- 16	Teach'g Material Prod	Visual presenter	CCD camera, 400K pixels or more
L- 11	Teach'g Material Prod	Desk	For two persons and others
L- 11a	Teach'g Material Prod	Chair	Steel frame w/plastic base&backrest, and others

卒後教育コースおよびプログラム

コースおよびプログラム一覧

建物	コース/プログラム	取得資格	履修期間
本部棟	Nurse Anesthetist	Diploma	2年
	Operating Theatre Nurse	Certificate	3ヶ月
	Mental Health Nurse	Certificate	8ヶ月
セミナー棟	MPA 1: Opening a Health Centre	Certificate	(1~5迄の研修期間を15週間程度として計画)
	MPA 2: Patient Assessment	Certificate	(同上)
	MPA 3: Child Health/IMCI	Certificate	(同上)
	MPA 4: Adult Common Diseases	Certificate	(同上)
	MPA 5: Chronic Diseases	Certificate	(同上)
	MPA 6: Basic Infection Control	Certificate	(6~10迄の研修期間を15週間程度として計画)
	MPA 7: Health Promotion/Health Education	Certificate	(同上)
	MPA 8: Health Centre Management	Certificate	(同上)
	MPA 9: Expanded Programme of Immunisation	Certificate	(同上)
	MPA 10: General Nutrition & Growth Monitoring	Certificate	(同上)
	MPA 11: Delivery	Certificate	(11~13の研修期間を15週間程度として計画)
	MPA 12: ANC/PNC	Certificate	(同上)
	MPA 13: Emergency & Minor Surgery	Certificate	(同上)
	MCH Course	Certificate	4ヶ月
Chief Nurse Training	Certificate	4ヶ月	

セミナー棟における実施スケジュール (案)

ROOM NAME	YEAR																																																			
	WEEK	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51
Seminar Room (1) (20人)	第一グループ開始					第二グループ開始																	第三グループ開始																													
・ MPA 1	■				■																	■				■																										
・ MPA 2	■			■					■										■			■																														
・ MPA 3	■		■				■									■		■																																		
・ MPA 4	■	■			■							■	■																																							
・ MPA 5	■	■		■					■	■																																										
Seminar Room (2) (20人)	第三グループ開始(次年度)																	第一グループ開始																	第二グループ開始																	
・ MPA 6	■				■																	■				■																										
・ MPA 7	■			■					■										■			■																														
・ MPA 8	■		■				■									■		■																																		
・ MPA 9	■	■			■							■	■																																							
・ MPA 10	■	■		■					■	■																																										
Seminar Room (3) (20人)	第二グループ開始(次年度)																	第三グループ開始(次年度)																	第一グループ開始																	
・ MPA 11	■				■																	■				■																										
・ MPA 12	■			■					■										■			■																														
・ MPA 13	■		■				■									■		■																																		
Training Room (60人)	■																																																			
・ Chief Nurse Group (1)	■																	■																	■																	
・ Chief Nurse Group (2)	■																	■																	■																	
・ Training of Trainers (1)	■					■																	■																	■												
・ Training of Trainers (2)	■					■																	■																	■												
・ Evaluation of TOT	■					■																	■																	■												
・ Others	■					■																	■																	■												

注) MPA研修に関しては、MPA 1~5、MPA 6~10およびMPA 11~13、各パッケージの合計研修期間を15週間として想定。看護師長の研修期間は4ヶ月で、年間で120人の修了者が見込まれる。MPA研修に引き続き、CPA研修も計画されている(MOHより具体的な資料は入手出来なかった)。Training Roomに記載しているOthersは、今後計画されるであろう衛生検査技師、X線検査技師、等々の卒後教育セミナーである。