

MINUTES OF DISCUSSIONS  
ON THE BASIC DESIGN STUDY  
ON THE PROJECT FOR THE REHABILITATION  
OF HEALTH FACILITIES AND SUPPLY OF MEDICAL EQUIPMENT  
IN MBALE, TORORO, BUGIRI AND BUSIA DISTRICTS  
IN THE REPUBLIC OF UGANDA

Based on the results of the Preparatory Study, the Government of Japan decided to conduct a Basic Design Study on the Project for the Rehabilitation of Health Facilities and Supply of Medical Equipment in Mbale, Tororo, Bugiri and Busia Districts (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 Republic of Uganda (hereinafter referred to as "Uganda") the Basic Design Study Team (hereinafter referred to as "the Team"), which is headed by Mr. Jiro Inamura, Deputy Resident Representative, JICA Kenya Office, and is scheduled to stay in the country from January 24 to February 24, 2005.

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

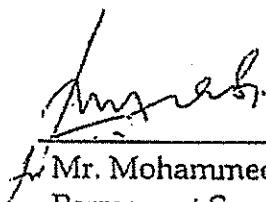
In the course of discussions and field survey, both parties have confirmed the main items described on the attached sheets. The Team will proceed to further work and prepare the Basic Design Study Report.

Kampala, February 14, 2005



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Mr. Jiro INAMURA  
Leader  
Basic Design Study Team  
Japan International Cooperation Agency



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Mr. Mohammed S. KEZAALA  
Permanent Secretary  
Ministry of Health  
The Republic of Uganda

## ATTACHMENT

### 1. Objective of the Project

The objective of the Project is to improve the quality of the medical and health care services in the hospitals and Health Centers (hereinafter referred to as "the HCs") in Mbale, Tororo, Bugiri and Busia Districts in the Republic of Uganda through construction and/or rehabilitation of facilities and procurement and installation of equipment.

### 2. Project Sites

The sites of the Project are Mbale, Tororo, Bugiri and Busia Districts in Uganda showed in Annex-1.

### 3. Responsible and Implementing Agency

3-1. The Responsible Agency is the Ministry of Health, the Government of Uganda.

3-2. The Implementing Agency is the Health Infrastructure Division, the Department of Clinical Services, the Ministry of Health, the Government of Uganda.

### 4. Items Requested by the Government of Uganda

After discussions with the Team, the following items were finally requested by the Ugandan side. JICA will assess the appropriateness of the request and will recommend to the Government of Japan for approval.

#### (1) Construction and Rehabilitation of the Facilities

Details of items are listed in Annex-2 and classified as Japanese side of the works.

#### (2) Procurement of the Equipment

Details of items are listed in Annex-3.

### 5. Japan's Grant Aid Scheme

The Ugandan side understands the Japan's Grant Aid Scheme and the necessary measures to be taken by the Government of Uganda as explained by the Team and described in Annex-4 and Annex-5 of the Minutes of Discussions signed by both parties on September 22, 2004.

### 6. Schedule of the Study

6-1. The consultants will proceed to further studies in Uganda until February 24, 2005.

6-2. JICA will prepare the draft report in English and dispatch a mission on the Draft Final Report Explanation Study in order to explain its contents in May 2005.

6-3. In case that the contents of the report are accepted in principle by the Government of Uganda, JICA will complete the final report (the Basic Design Study Report) and send it to the Government of Uganda by the end of September 2005.



## 7. Other Relevant Issues

### 7-1. Budgets for Operation and Maintenance of Targeted Facilities and Equipment

The Ugandan side has agreed to secure and allocate enough funds to demolish the existing facilities, implement the Project, and operate and maintain the constructed and/or rehabilitated facilities and procured equipment by the Project properly and effectively.

### 7-2. Staff Recruitment and Capacity Building

The Ugandan side has agreed to promote the staff recruitment and capacity building for the effective use of the constructed and/or rehabilitated facilities and procured equipment by the Project. The schedule of the following staff recruitment and allocation shall collaborate with the schedule of the Project implementation, which will be proposed by the Japanese side until the Draft Final Report Explanation Study in May 2005.

Especially, the staff mentioned below shall be recruited, trained and allocated six months prior to the handing-over of each facility.

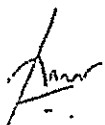
- Medical Officer
- Dental Surgeon
- Registered Nurse
- Radiographer
- Artisan (Electrician, Plumber, Carpenter, etc.)

### 7-3. Selection of the Targeted Facilities

After close examination of the related hospitals and Masafu HC-4, both sides have confirmed necessary works for the rehabilitation of these hospitals and the HC, and mutually agreed to classify these works into Japanese side works and Ugandan side works as shown in Annex-2.

During the examination, the following items were requested additionally by the Ugandan side. The Japanese side agreed to take the additional requests to Japan for the further study. The response on the additional requests shall be presented at the time of the Draft Final Report Explanation Study in May 2005.

- (1) Re-modeling of a maternity ward including operation theatre for obstetrics of Mbale Regional Referral Hospital
- (2) Re-modeling of roof of connecting passageway (between X-ray unit and ward) of Mbale Regional Referral Hospital
- (3) Replacement of generator and G-circuit of Mbale Regional Referral Hospital
- (4) Re-modeling of WC unit for 4 wards (maternity, female, paediatric, male) of Bududa General Hospital
- (5) Re-modeling of male ward of Tororo General Hospital
- (6) Re-modeling of connecting passageway of Tororo General Hospital
- (7) Re-modeling of WC unit for 4 wards (maternity, female, paediatric, male) + OPD of Busolwe General Hospital
- (8) Re-modeling of WC unit for 4 wards (maternity, female, paediatric, male) + OPD of Bugiri General Hospital



- (9) Re-modeling of paediatric ward of Masafu HC-4 in view of upgrading it to the General Hospital in Busia District
- (10) Construction of connecting passageway of Masafu HC-4
- (11) Construction and installation of elevated water tank and water supply line of Masafu HC-4
- (12) Renovation of sewage system (septic tank & soak pit) of Masafu HC-4
- (13) Renovation of electric system including generator and G-circuit of Masafu HC-4

#### 7-4. Selection of the Targeted Equipment

Both sides have agreed that a detailed survey be carried out by the Ministry of Health and the Team up to February 24, 2005, and prepare an addendum on equipment to be signed by February 24, 2005. The addendum will be Annex-3 of these minutes.

#### 7-5. Request for Consultant Services

The Ugandan side requested the consultant services for the following issues as one of the components of the Grant Aid.

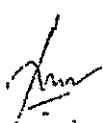
- (1) Basic facility maintenance in the targeted hospitals and HCs (including sanitary guidance)
- (2) Operation and maintenance of the procured equipment

#### 7-6. Collaboration with Technical Cooperation

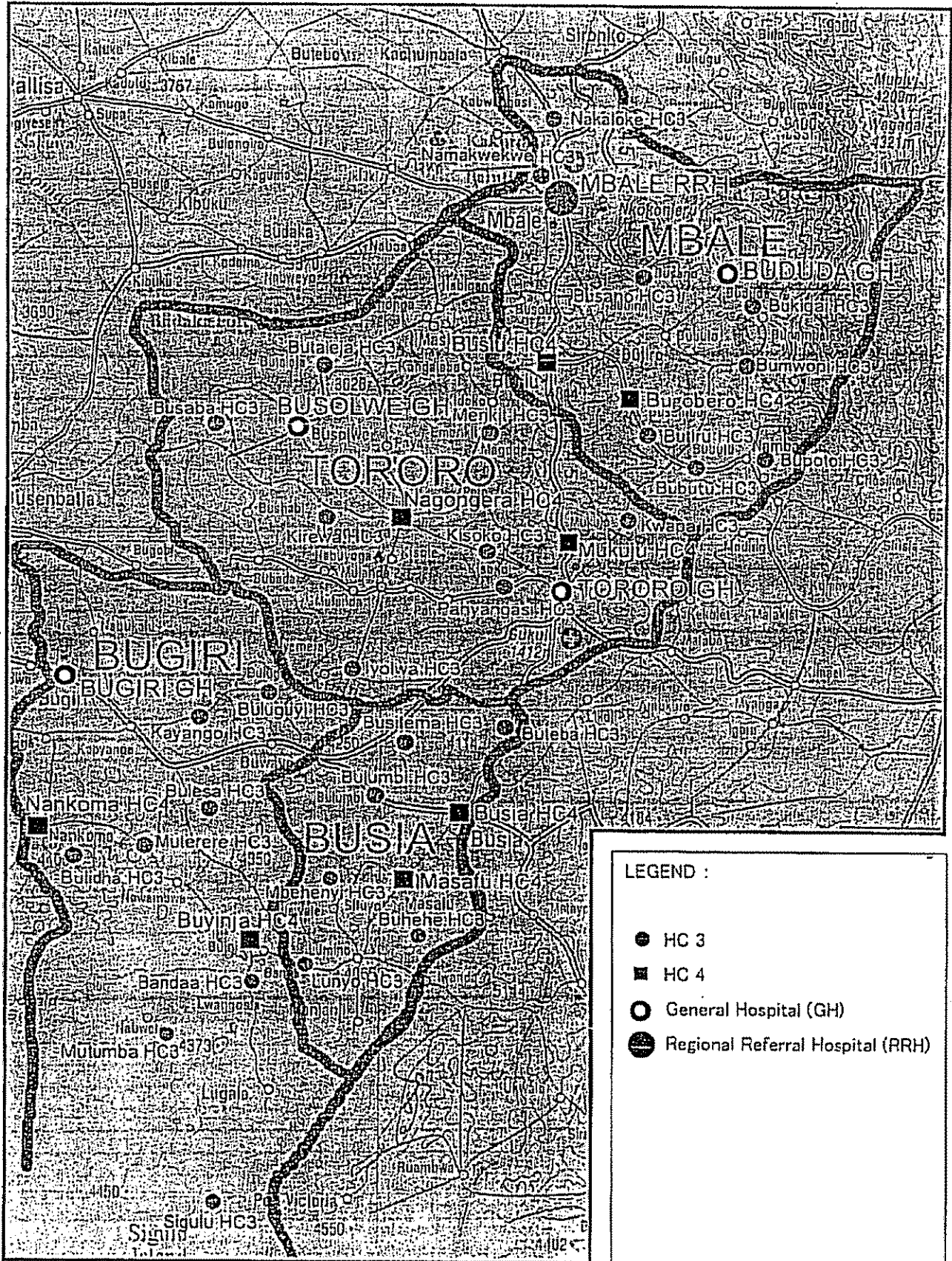
Both sides have confirmed that the implementation of the Project in collaboration with the newly approved Project-type Technical Cooperation Project named "Improvement of Health Infrastructure Development and Management in Uganda" (hereinafter referred to as "the PTCP") is quite effective. Both sides have agreed to start considering the detailed activities and methods to collaborate with the PTCP.

#### Annex-1: Sites Map

- 2: Targeted Facilities and Demarcation of Obligations
- 3: Requested Equipment



Sites Map



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Targeted Facilities and Demarcation of Obligations

Hospital	Side	Category	Item
Mbale RRH	Japanese Side	Hospital Facilities	Operation Theatre
			X-Ray Unit
			Maternity Ward including Operation Theatre for Obstetrics
			Roof of Connecting Passageway (between X-Ray unit and Ward)
	Ugandan Side		Generator and G-circuit
			Demolition of Related Buildings
			Renovation of WC
Bududa GH	Japanese Side	Hospital Facilities	Administration
			Outpatient Dept. including X-Ray, Casualty Unit & Child Health Centre
			Delivery Unit of Maternity Ward
			Operation Theatre and its Connecting Passageway
			WC Unit for 4 Wards (Maternity, Female, Paediatric, Male)
			Mortuary
		Residence for Staff	Staff Houses
		Infrastructure	Water and Sewage Line for Related Facilities
			Booster Pump and Water Filter
	Ugandan Side		Demolition of Related Buildings
		Renovation of Laundry and Kitchen	
		Upgrading of Transformer	
Tororo GH	Japanese Side	Hospital Facilities	Operation Theatre
			Outpatient Dept. including X-Ray and Casualty Unit
			Delivery Unit of Maternity Ward
			Female Ward
			Male Ward
			Connecting Passageway
			Laundry/Store
			Mortuary
		Residence for Staff	Staff Houses
		Infrastructure	Related Sewage System for Facilities
Ugandan Side		Demolition of Related Buildings	
		Upgrading of Transformer	
		Connection to the City Sewage Line	
Busolwe GH	Japanese Side	Hospital Facilities	WC Unit for 4 Wards (Maternity, Female, Paediatric, Male) + OPD
			Renovation of Roofs and Ceilings
			Infrastructure
			Renovation of Elevated Water Tank
			Water Supply and Sewage Line of Ward Block
			Generator and G-circuit
Ugandan Side		Renovation of Existing WC Unit for 4 Wards	
		Demolition of Latrines	
		Upgrading of Transformer	
Bugiri GH	Japanese Side	Hospital Facilities	WC Unit for 4 Wards (Maternity, Female, Paediatric, Male) + OPD
			Renovation of Roofs and Ceilings
			Infrastructure
			Water Supply and Sewage Line of Ward Block
			Pump for Drainage of Rain Water
			Generator and G-circuit
Ugandan Side		Renovation of Existing WC Unit for 4 Wards	
		Demolition of Latrines	
		Upgrading of Transformer	
Masafu HC-4	Japanese Side	Hospital Facilities	Outpatient Dept. including X-Ray and Casualty Unit
			Maternity Ward
			Male Ward
			Paediatric Ward
			Connecting Passageway
			Mortuary
		Infrastructure	Elevated Water Tank and Water Supply Line
			Sewage System (Septic Tank & Soak Pit)
			Electric System including Generator and G-circuit
Ugandan Side		Laundry (Existing Male Ward)	
		Renovation of Other Existing Buildings	
		Water Supply from Municipal Well	
		Supply of Electricity (3 Phases) and Installation of Transformer	

Additional Request

Annex 2

NO.	DEPARTMENT	EQUIPMENT REQUIRED
<b>For Mbale Regional Referral Hospital</b>		
1	Ophthalmology	A and B Scan Biometer Ophthalmic Fundus Camera Auto Refractometer Nd:Yag Laser unit Perimeter Calanet Set Pulse Tonometer Phacoemulsification Machine
2	ENT Surgery	Carbon Dioxide Laser system for ENT/Head and Neck surgery Fiber optic Rhino-pharyngo-Laryngo Esophagoscope Polysomnography laboratory for upper airway observation and snoring studies Consisting of <ul style="list-style-type: none"> <li>• Rhinometer</li> <li>• Pulse Oximeter</li> <li>• EEG</li> <li>• ECG</li> <li>• Sound level meter</li> <li>• Audio visual recorder</li> </ul> Laryngeal Stroboscope Equipment ENT Operating Microscope Auditory Brainstem Response Audiometer
3	Orthopaedic Surgery	C-Arm Laminectomy Set (Spinal) Pedicel Screw Set (Spinal) Herrington Rods and Instrumentation Set (Complete) Arthroscopy Set complete with accessories (Light Source, Camera, Scopes) Orthopaedic Traction Bed
<b>For Mbale Regional Referral Hospital and General Hospitals</b>		
4	Anaesthesia	Boyles Machine and Halothane ECG Monitor (2) Pulse oximeter (2) Laryngoscope (3) Suction machine (2)
<b>For HC IV and III</b>		
5	HC IV	Theatre Equipment Blood Bank (Fridge) Generator Set
6	HC III	Equipment not available in local market

Requested Equipment

Annex-3

	Mhale Regional Referral Hospital						
	Total	Out Patient Dept.	Main Theatre	Maternity Theater	X-ray and Imaging	Dental	Transportation
1 Operating Table	1	1					
2 Operation Light, Mobile	1	1					
3 Patient Stretcher	2	2					
4 Suction Apparatus, Electric	1	1					
5 Tray, Instruments	2	2					
6 Trolley, Instruments	1	1					
7 Trolley, Medicine	2	2					
8 X-ray Unit, Mobile	1	1					
1 Autoclave Dry Vac	1		1				
2 ECG Monitor	1		1				
3 Trolley, Instruments	1		1				
4 Instrument set, General Surgery	2		2				
5 Instrument set, Orthopaedic	2		2				
6 Instrument set, Anaesthesia, Adult	2		2				
7 Instrument set, Anaesthesia, Paediatric	2		2				
8 Instrument set, Surgical, Paediatric	2		2				
9 Instrument Cupboard	1		1				
10 Operation Light, Fixed	1		1				
11 Operation Light, Mobile	1		1				
12 Operating Table	1		1				
13 Oxygen Concentrator	1		1				
14 Suction Apparatus, Electric	2		2				
15 Anaesthesia unit	1		1				
16 Electro Surgical Unit			1				
1 Instrument set, Gyn and Obstetrics	2			2			
2 Instrument set, Anaesthesia, Adult	2			2			
3 Instrument Cupboard	1			1			
4 Operation Light, Fixed	1			1			
5 Operation Light, Mobile	1			1			
6 Operating Table	1			1			
7 Oxygen Concentrator	1			1			
8 Suction Apparatus, Electric	1			1			
9 Ultrasound Unit, Portable	1			1			
1 Ultrasound Unit	1				1		
2 X-ray Cassettes Set	1				1		
3 X-ray Protective Clothing Set	1				1		
4 X-ray Unit, Fluoroscopy Unit	1				1		
5 X-ray Unit, Basic Buckey System	1				1		
6 X-ray Film Viewer	1				1		
7 Film Processor	1				1		
1 Dental Unit Complete						1	
2 Dental X-ray Unit						1	
1 Ambulance							1



Requested Equipment

Annex-3

	Bududa General Hospital										Tororo General Hospital									
	Total	Out Patient Department	Dental Department	Laboratories and Blood Bank	Pharmacy	Main Theatre X-ray and Imaging	General Ward	Maternity Ward	Transport and Communication	Total	Out Patient Department	Dental Department	Laboratories and Blood Bank	Pharmacy	Main Theatre X-ray and Imaging	General Ward	Maternity Ward	Transport and Communication		
1 Autoclave, Bench Type	1	1								1	1									
2 Diagnostic Equipment Set, C	2	2								2	2									
3 Dressing Set	2	2								2	2									
4 ECG Recorder	1	1								1	1									
5 Examination Light	2	2								2	2									
6 Operating Table	1	1								1	1									
7 Operation Light, Mobile	1	1								1	1									
8 Suction Apparatus, Electric	1	1								1	1									
1 Autoclave, Bench Type	1		1							1		1								
2 Dental Unit Complete	1		1							1		1								
3 Dental X-ray	1		1							1		1								
1 Autoclave, Portable	1			1						1			1							
2 Balance Semi Analytical	1			1						1			1							
3 Centrifuge, Electric	1			1						1			1							
4 Colorimeter	1			1						1			1							
5 Hot Air Oven	1			1						1			1							
6 Microscope, Binocular	1			1						1			1							
7 Refrigerator	1			1						1			1							
8 Water Distiller	1			1						1			1							
1 Refrigerator	1				1					1				1						
1 Autoclave Dry Vac	1					1				1					1					
2 ECG Monitor	1					1				1					1					
3 Instrument Set, Caesarian	1					1				1					1					
4 Instrument Set, General Basic	1					1				1					1					
5 Instrument Set, General Surgery	1					1				1					1					
6 Instrument Set, Gyn & Obstetrics	1					1				1					1					
7 Instrument Set, Orthopedic	1					1				1					1					
8 Operating Table	1					1				1					1					
9 Operation Light, Fixed	1					1				1					1					
10 Operation Light, Mobile	1					1				1					1					
11 Oxygen Concentrator	1					1				1					1					
12 Suction Apparatus, Electric	2					2				2					2					
13 Trolley, Instruments	2					2				2					2					
14 Tray, Instruments	2					2				2					2					

Requested Equipment

Annex-3

	Bududa General Hospital								Teroro General Hospital												
	Total	Out Patient	Dental	Department Laboratories and Blood Bank	Pharmacy	Main Theatre	X-ray and Imaging	General Ward	Maternity Ward	Transport and Communication	Total	Out Patient	Dental	Department Laboratories and Blood Bank	Pharmacy	Main Theatre	X-ray and Imaging	General Ward	Maternity Ward	Transport and Communication	
1 X-ray Cassette Set	1						1				1						1				
2 X-ray Protective Clothing Set	1						1				1						1				
3 X-ray Basic Bucky System	1						1				1						1				
4 X-ray Film Viewer	1						1				1						1				
1 Autoclave, Bench Type	1							1			1							1			
2 Diagnostic Equipment Set, C	2							2			2							2			
3 Dressing Set	2							2			2							2			
4 Weighing Scale, Adult	1							1			1							1			
5 Weighing Scale, Infant	1							1			1							1			
6 Wheel Chair	1							1			1							1			
7 X-ray Film Viewer	1							1			1							1			
1 Autoclave, Bench Type	1								1		1									1	
2 Baby Incubator	2								2		2									2	
3 Delivery Bed	2								2		2									2	
4 Infant Warmer	2								2		2									2	
5 Instrument Set, Delivery	2								2		2									2	
6 Suction Apparatus, Electric	1								1		1									1	
7 Ultrasound Unit, Portable	1								1		1									1	
8 Weighing Scale, Adult	1								1		1									1	
9 Weighing Scale, Pediatric	1								1		1									1	
10 X-ray Film Viewer	1								1		1									1	
1 Ambulance	1									1	1										1

Requested Equipment

Annex-3

	Busolwe Hospital										Dugiri Hospital								Masafu HC4
	Total	Out Patient Department	Dental	Department Laboratories and Blood Bank	Pharmacy	Main Theatre X-ray and Imaging	General Ward	Maternity Ward	Transport and Communication	Total	Out Patient Department	Dental	Department Laboratories and Blood Bank	Pharmacy	Main Theatre X-ray and Imaging	General Ward	Maternity Ward	Transport and Communication	
1 Autoclave, Bench Type	1	1								1	1								1
2 Diagnostic Equipment Set, C	2	2								2	2								2
3 Dressing Set	2	2								2	2								2
4 ECG Recorder	1	1								1	1								1
5 Examination Light	2	2								2	2								2
6 Operation Light, Mobile	1	1								1	1								1
7 Operating Table	1	1								1	1								1
8 Suction Apparatus, Electric	1	1								1	1								1
1 Autoclave, Bench Type	1		1							1		1							1
2 Dental Unit Complete	1		1							1		1							1
3 Dental X-ray	1		1							1		1							1
1 Autoclave, Portable	1			1						1			1						1
2 Balance Semi Analytical	1			1						1			1						1
3 Centrifuge, Electric	1			1						1			1						1
4 Colorimeter	1			1						1			1						1
5 Hot Air Oven	1			1						1			1						1
6 Microscope, Binocular	1			1						1			1						1
7 Refrigerator	1			1						1			1						1
8 Water Distiller	1			1						1			1						1
1 Refrigerator	1				1					1				1					1
1 Autoclave Dry Vac	1					1				1					1				1
2 ECG Monitor	1					1				1					1				1
3 Instrument Set, Caesarian	1					1				1					1				1
4 Instrument Set, General Basic	1					1				1					1				1
5 Instrument Set, General Surgery	1					1				1					1				1
6 Instrument Set, Gyn & Obstetrics	1					1				1					1				1
7 Instrument Set, Orthopaedic	1					1				1					1				1
8 Operating Table	1					1				1					1				1
9 Operation Light, Fixed	1					1				1					1				1
10 Operation Light, Mobile	1					1				1					1				1
11 Oxygen Concentrator	1					1				1					1				1
12 Suction Apparatus, Electric	2					2				2					2				1
13 Trolley, Instruments	2					2				2					2				2
14 Tray, Instruments	2					2				2					2				2

Requested Equipment

Annex-3

	Busolve Hospital								Bugiri Hospital								Masafi HCA				
	Total	Out Patient Department	Dental	Department Laboratories and Blood Bank	Pharmacy	Main Theatre	X-ray and Imaging	General Ward	Maternity Ward	Transport and Communication	Total	Out Patient Department	Dental	Department Laboratories and Blood Bank	Pharmacy	Main Theatre		X-ray and Imaging	General Ward	Maternity Ward	Transport and Communication
1 X-ray Cassette Set	1						1			1							1				1
2 X-ray Protective Clothing Set	1						1			1							1				1
3 X-ray Basic Bucky System	1						1			1							1				1
4 X-ray Film Viewer	1						1			1							1				1
1 Autoclave, Bench Type	1							1		1								1			1
2 Diagnostic Equipment Set, C	2							2		2								2			2
3 Dressing Set	2							2		2								2			2
4 Weighing Scale, Adult	1							1		1								1			1
5 Weighing Scale, Infant	1							1		1								1			1
6 Wheel Chair	1							1		1								1			1
7 X-ray Film Viewer	1							1		1								1			1
1 Autoclave, Bench Type	1								1	1										1	1
2 Baby Incubator	2								2	2										2	1
3 Delivery Bed	2								2	2										2	2
4 Infant Warmer	2								2	2										2	1
5 Instrument Set, Delivery	2								2	2										2	2
6 Suction Apparatus, Electric	1								1	1										1	1
7 Ultrasound Unit, Portable	1								1	1										1	1
8 Weighing Scale, Adult	1								1	1										1	1
9 Weighing Scale, Pediatric	1								1	1										1	1
10 X-ray Film Viewer	1								1	1										1	1
11 Ambulance	1									1											1

Requested Equipment

Annex-3

Health Centre IV		Bugobero	Busiu	Mukuju	Nagongera	Buyinja	Nankoma	Busia	Total
1	Instrument Set, Caesarian Section			1			1	1	3
2	Instrument Set, Surgical			1			1	1	3
3	Motorcycle	1	1	1	1	1	1	1	7
4	Operating Table	1		1			1	1	4
5	Operation Light, Mobile	1		1			1	1	4
6	Patient Stretcher			1			1	1	3
7	Sterilizer, Electric, Vertical			1			1	1	3
8	Suction Apparatus, Electric			1			1	1	3
9	Tray, Instruments			1			1	1	3
10	Trolley, Instruments			1			1	1	3
11	Ultrasound Unit	1	1	1	1	1	1	1	7
Additional Request									
1	Generator			1		1	1	1	4
2	Refrigerator, Blood bank	1		1		1	1	1	5

Requested Equipment

Health Centre III		Bumwoni	Bupoto	Bubutu	Btru	Busano	Nakaleke	Bukigai	Namakwekwe	Panyangasi	Busaba	Butaleja	Kwapa	Merikit	Iyolwa	Kisoko	Kirawa	Kayanggo	Bulidha	Mulumba	Sigiliu	Banda	Buluguyi	Mutere	Bulesa	Buteba	Lunyo	Buthehe	Bulumbi	Mbehanyi	Bustema	Total
1	Delivery Bed	1	1						1								1			1	1	1					1					8
2	Diagnostic Equipment Set, C.O.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30
3	Instrument Set, Delivery	1	1						1									1		1	1	1					1					8
4	Motorcycle	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	29
5	Solar Electric System	1	1			1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	23
6	Tray, Instruments	1	1						1									1		1	1	1										8
7	Trolley, Instruments	1	1						1									1		1	1	1										8
8	Weighing Scale, Adult	1	1						1									1		1	1	1										8
9	Weighing Scale, Infant	1	1						1									1		1	1	1										8

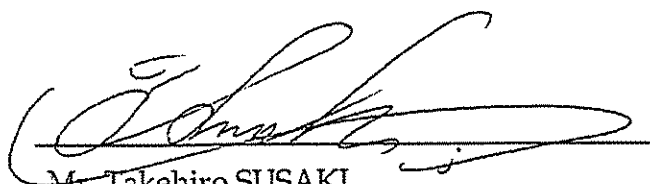
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OF HEALTH FACILITIES AND SUPPLY OF MEDICAL EQUIPMENT  
IN MBALE, TORORO, BUGIRI AND BUSIA DISTRICTS  
IN THE REPUBLIC OF UGANDA  
(EXPLANATION ON DRAFT REPORT)

In January and February, 2005, the Japan International Cooperation Agency (hereinafter referred to as "JICA") dispatched a Basic Design Study Team on the Project for the Rehabilitation of Health Facilities and Supply of Medical Equipment in Mbale, Tororo, Bugiri and Busia Districts (hereinafter referred to as "the Project") to the Republic of Uganda (hereinafter referred to as "Uganda"), and through discussion, field survey, and technical examination of the results in Japan, JICA prepared a draft report of the study.

In order to explain and to consult the Ugandan Team on the components of the draft report, JICA sent to Uganda the Draft Report Explanation Team (hereinafter referred to as "the Team"), which is headed by Mr. Takehiro Susaki, Resident Representative of JICA/JOCV Uganda Office, from May 25 to June 4, 2005.

As a result of discussions and field visits, both sides confirmed the main items described on the attached sheets.

Kampala, June 2, 2005



Mr. Takehiro SUSAKI  
Leader  
Draft Report Explanation Team  
Japan International Cooperation Agency



Mr. Mohammed S. KEZAALA  
Permanent Secretary  
Ministry of Health  
The Republic of Uganda

## ATTACHMENT

### 1. Components of the Draft Report

The Government of Uganda agreed and accepted in principle the components of the Basic Design Study Draft Report explained by the Team.

### 2. Japan's Grant Aid Scheme

The Ugandan side understands the Japan's Grant Aid Scheme and the necessary measures to be taken by the Government of Uganda as explained by the Team and described in Annex-4 and Annex-5 of the Minutes of Discussions signed by both sides on September 22, 2004.

### 3. Schedule of the Study

JICA will complete the final report in accordance with the confirmed items and send it to the Government of Uganda by the end of September 2005.

### 4. Other Relevant Issues

#### 4-1. Selection of the Targeted Facilities and Equipment

Through the technical examination of the Basic Design Study, the Japanese side presented the lists of facilities and equipment planned to be targeted out of the requested facilities and equipment confirmed in Annex-2 and Annex-3 of the Minutes of Discussions signed by both sides on February 14, 2005.

As a result of discussions and field visits, both sides have finally agreed, with consideration of priorities, effectiveness, relevance and efficiency, that the targeted facilities (shown in Annex-1) and equipment (shown in Annex-2A,B) should be selected under the Project. Both sides have also agreed to classify appropriate plan of action for the obligations for the Japanese and Ugandan sides shown in Annex-1.

#### 4-2. Schedule of the Project Implementation

Both sides have agreed on the tentative schedule of the Project implementation after the Exchange of Notes shown in Annex-3.

#### 4-3. Budgets/Funds to be Secured and Allocated

The Ugandan side has agreed to secure and allocate enough budgets/funds to demolish the existing facilities, implement the Project, and operate and maintain the constructed and/or rehabilitated facilities and procured equipment by the Project properly and effectively.

#### 4-4. Staff Recruitment and Capacity Building

The Ugandan side has agreed to promote the staff recruitment and capacity building for the effective use of the constructed and/or rehabilitated facilities and procured equipment by the Project. The schedule of staff recruitment and allocation shall collaborate with the schedule of the Project implementation.





#### 4-5. Collaboration with Technical Cooperation

It is expected that the technical collaboration through the Project-type Technical Assistance named "the Improvement of Health Infrastructure Development and Management in Uganda" would complement and strengthen the management and maintenance aspects related to the Project.

#### Annex-1: Targeted Facilities

2: Targeted Equipment

3: Tentative Schedule

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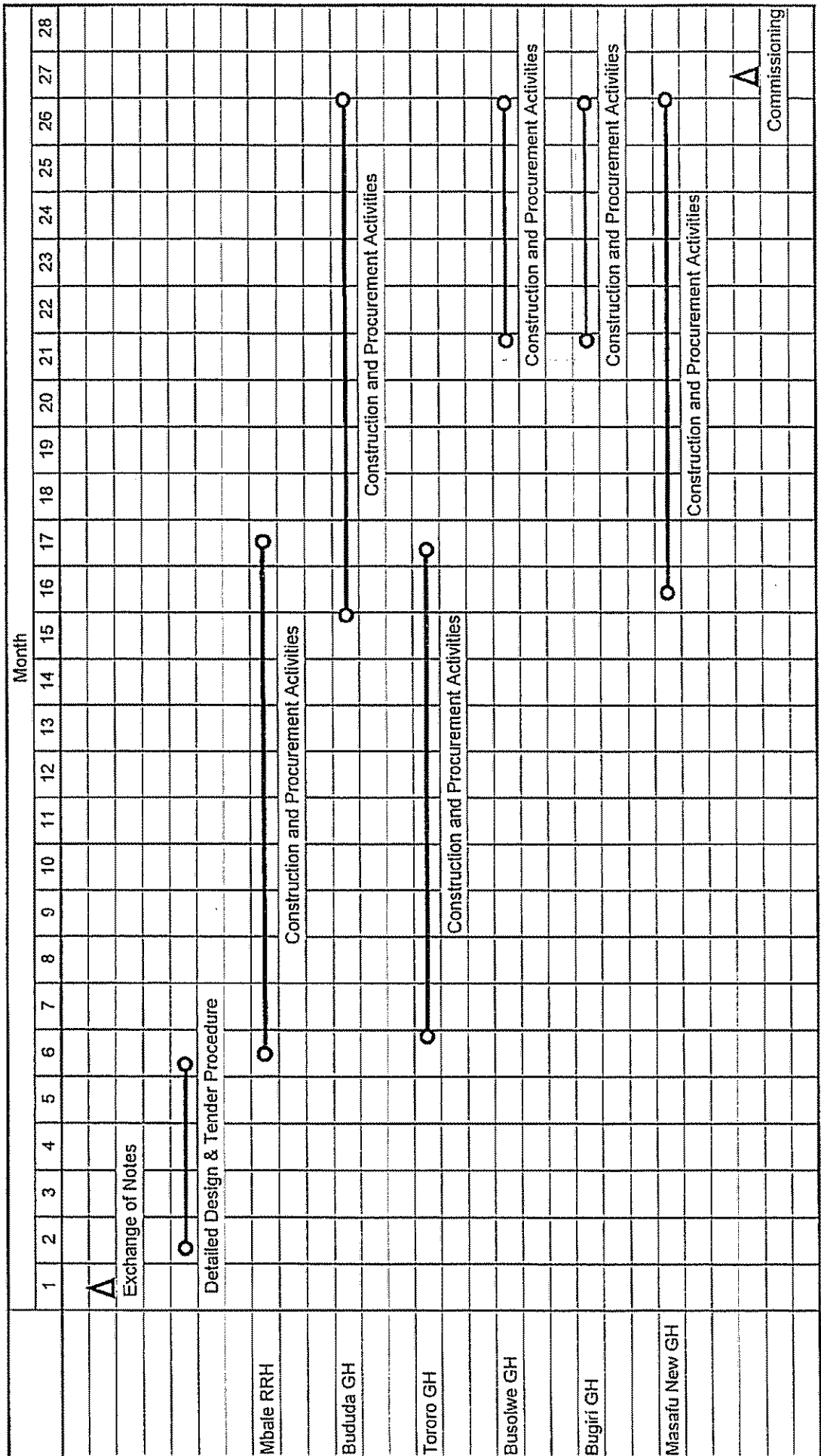
## Targeted Facilities

Hospital	Side	Item
Mbale RRH	Japanese side	Operation Theatre
		X-Ray Unit
		Maternity Ward & Delivery Unit
		Operation Theatre for Obstetrics
		Renovation of Roof of Connecting passageway (between X-Ray unit and the Ward)
		Connecting passageway (for Related Facilities)
	Electricity, Water and Sewage Line for related facilities	
	Ugandan Side	Demolition of Existing X-Ray unit prior to the construction of New X-ray unit (Feb. 2006)
		Ground levelling (Feb, 2006)
		Upgrading of Transformer (around Nov, 2006)
Partial Renovation of Existing OT (Orthopaedic) (around Dec, 2006)		
Demolition of Existing Maternity Ward (around Dec, 2006)		
Bududa GH	Japanese side	Outpatient Department
		Delivery Unit
		Operation Theatre
		Electricity, Water and Sewage Line for related facilities
	Ugandan Side	Demolition of Existing Administration prior to the construction of New OPD (Nov, 2006)
		Demolition of Existing Operation Theatre prior to the construction of New Operation Theatre (Nov, 2006)
		Ground levelling (Nov, 2006)
		Extension of Staff Houses (Apr, 2007)
		Upgrading of Transformer (Aug, 2007)
		Water Filter Unit (Oct, 2007)
		Demolition of Existing OPD (Oct, 2007)
		Exterior Work in front of New OPD (Oct, 2007)
		Renovation of MCHC to Administration (Oct, 2007)
		Renovation Roof (whole area) (Oct, 2007)
		Renovation of 4WC of Wards (Oct, 2007)
		Renovation of Existing Delivery Space (Oct, 2007)
Renovation of Laundry and Kitchen (Oct, 2007)		
Tororo GH	Japanese side	Operation Theatre
		Outpatient Department
		Delivery Unit of Maternity Ward
		Female Ward 1
		Female Ward 2
		Connecting passageway (for Related Facilities)
		Electricity, Water and Sewage Line for related facilities
	Ugandan Side	Ground levelling (Feb, 2006)
		Extension of Staff Houses (Jun, 2006)
		Upgrading of Transformer (around Nov, 2006)
		Renovation of Antenatal, OPD, X-ray to Administration Building (Dec, 2006)
		Exterior Work in front of New OPD (Dec, 2006)
		Demolition of Existing Female Ward (Dec, 2006)
		Construction of New Male Ward (Dec, 2006)
Extension of Laundry (Dec, 2006)		
Busolve GH	Japanese side	Rehabilitation of Electricity where Medical Equipments are supplied
	Ugandan Side	Upgrading of Transformer (Aug, 2007)
		Renovation of Existing WC Unit of Wards (Oct, 2007)
		Renovation of Roof and Ceiling (Oct, 2007)
Renovation of Elevated Water Tank (Oct, 2007)		
Bugiri GH	Japanese side	Rehabilitation of Electricity where Medical Equipments are supplied
	Ugandan Side	Upgrading of Transformer (Aug, 2007)
		Renovation of Existing WC Unit of Wards (Oct, 2007)
		Renovation of Roof and Ceiling (Oct, 2007)
Renovation of Installation of pump for rain water and drainage maintenance (Oct, 2007)		
Masafi New GH	Japanese side	Outpatient Department
		Female Ward
		Paediatric Ward
		Maternity Ward
		Connecting passageway (for Related Facilities)
		Electricity, Water and Sewage Line for related facilities
	Ugandan Side	Ground levelling (Nov, 2006)
		Water Supply from Communal Well (Aug, 2007)
		Supply of Electricity (3 Phases) and Installation of Transformer (Aug, 2007)
		Exterior Work in front of New OPD (Oct, 2007)
		Renovation of Existing Maternity Ward to Administration (Oct, 2007)
		Renovation of Existing OPD to Antenatal Clinic (Oct, 2007)
Renovation of Existing Male Ward to Kitchen & Laundry (Oct, 2007)		
Renovation of Existing Mortuary (Oct, 2007)		
Extension of Staff Houses (Oct, 2007)		





# Tentative Schedule



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## 事業事前計画表(基本設計時)

<b>1. 案件名</b>
ウガンダ国東部ウガンダ医療施設改善計画
<b>2. 要請の背景(協力の必要性・位置付け)</b>
<p>(1) ウガンダ共和国(以下「ウ」国)政府は、2000年に貧困撲滅行動計画(Poverty Eradication Action Plan:PEAP)を策定し、2000/01～2004/05年を計画期間として実施中である。PEAPの主戦略の一つは貧困層の健康改善であり、プライマリー・ヘルスケア(Primary Health Care, PHC)が重点課題事項に挙げられている。PEAPの枠組の下、同2000年には保健分野戦略計画(Health Sector Strategic Plan I 2000/01－2004/05:HSSP I)が策定され、「国民の疾病率・死亡率の低減と地方格差の是正」を開発目標として、保健医療サービスの改善に取り組んでいる。</p> <p>(2) しかし、同国の保健指標は低位にあり、死因の上位は予防・治療が可能な感染症(マラリア、急性呼吸器感染症、エイズ、下痢症)や周産期／妊産婦の合併症が占めている。とりわけ、人口の9割が居住する地方部には適正な保健医療サービスが届かない状況にある。このことから、全国民の健康改善を実現するには、地方部での保健医療サービスの改善と強化が不可欠であり、特にPHCの普及と母子保健の改善が急務となっている。</p> <p>(3) 「ウ」国の地方医療システムは、地域レファラル病院、総合病院、保健センターⅣ、Ⅲ、Ⅱ及びⅠで構成されている。しかし、既存施設の多くは老朽化しており、基礎的な医療機材も故障ないし不足しており、地域住民に適正な保健サービスを提供できない状況にある。保健省ではアフリカ開発銀行や他ドナーの支援を受けて、これら地方医療施設の改善と機材整備、人材配置を急いでいるが、地域レファラル体制を構築する上で不可欠である総合病院と保健センターの機能強化が遅れている。</p> <p>(4) 本計画は「ウ」国東部の4県(ムバレ県、トロロ県、ブギリ県及びブシア県)を対象地域として、1地域レファラル病院、5総合病院並びに28の保健センターⅣ及びⅢについて、我が国政府の無償資金協力により施設整備と機材調達を行うものである。</p> <p>(5) 我が国の「ウ」国保健医療分野への支援は、これまで無償資金協力による国立ムラゴ病院、ソロティ地方への機材整備、個別専門家の派遣などが実施され、また、今後、医療機材の維持管理に係る技術協力プロジェクトも計画されている。本計画はこれらの活動の効果に加え、同国の地域保健医療システムのさらなる質的向上に資することを目的としている。</p>
<b>3. プロジェクト全体計画概要</b>
<p>(1) プロジェクト全体計画の目標(裨益対象の範囲及び規模)          対象地域の地域レファラル病院・総合病院・保健センターの診療環境の改善により、地域医療のレファラル体制が整備され、保健医療サービスの質的向上が期待される。          (直接受益者:ムバレ県、トロロ県、ブギリ県及びブシア県の住民1,979,000人)          (間接受益者:「ウ」国東部地域の住民約5,600,000人)</p> <p>(2) プロジェクト全体計画の成果</p> <ol style="list-style-type: none"> <li>1) 地域レファラル病院、総合病院の施設・機材が整備され、病院機能が改善される。</li> <li>2) 保健センターの医療サービスが改善され、特に分娩サービスの質が向上する。</li> <li>3) 対象地域の救急搬送手段が確保される。</li> <li>4) 地域全体の医療指標が向上する。</li> </ol> <p>(3) プロジェクト全体計画の主活動</p> <ol style="list-style-type: none"> <li>1) 地域住民に対する基本的医療サービスが提供される。</li> <li>2) <u>対象となる1地域レファラル病院、5総合病院に対して施設建設・改修を行う。</u></li> <li>3) <u>上記の6病院に加え、28の保健センターⅣ、Ⅲに対して機材調達と据付を行う。</u></li> </ol>

4) 新たな施設・機材を活用して効率的な運営・レファラル活動が実現する。

(4) 投入(インプット)

1) 日本側

① 無償資金協力 16.58 億円

2) 相手国側

① 職員の確保及び訓練による技術力の向上

② インフラ接続と外構工事

③ 施設・機材の運営維持管理に必要な経費の確保

④ 既存施設の改修・転用の実施

(5) 実施体制

主管官庁：保健省保健サービス局

実施機関：ムバレ地域レファラル病院及び各県保健事務所

**4. 無償資金協力案件の内容**

(1) サイト(34 ヶ所)

ムバレ地域レファラル病院

ブドゥダ総合病院、トロロ総合病院、ブソルヴェ総合病院、ブギリ総合病院及びマサフ総合病院(現保健センターⅣ)

保健センターⅣ 5 ヶ所 ブゴベロ、ムクジュ、ナンコマ、ブインジャ及びブシア

保健センターⅢ 23 ヶ所 ナマケケ、ブキガイ、ブサノ、ブポト、ブムウオニ  
イヨルワ、キレワ、クワバ、ブサバ、パヤンガシ  
シングル、バンダ、ブリダ、ブルグイ、ブレサ、ムツンバ、ムテレレ  
ブシテマ、ブテバ、ブヘヘ、ブルンビ、ムベヘニ及びルンヨ

(2) 概要

医療施設の建設(4 病院)：ムバレ地域レファラル病院、ブドゥダ総合病院、トロロ総合病院及びマサフ総合病院

電気設備の改修(2 病院)：ブソルヴェ総合病院及びブギリ総合病院

医療機材の調達(6 病院+28 保健センター)：上記の 6 病院に加え、(1)の保健センター

(3) 相手国負担事項

敷地準備工事(既存施設の撤去など)

インフラ引込工事(井戸、電気など)

その他(既存施設の転用・改修など)

(4) 概算事業費

17.66 億円(無償資金協力 16.58 億円、「ウ」国側負担 1.08 億円)

(5) 工期

詳細設計・入札期間を含めて約 25 ヶ月(予定)

(6) 貧困、ジェンダー、環境及び社会面の配慮

・ 特になし

**5. 外部要因リスク(プロジェクト全体計画の目標達成に関するもの)**

・ 社会・経済状況に大規模な変化がない

**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

地域医療システムの中核をなす 6 病院(ムバレ地域レファラル病院、ブドゥダ、トロロ、ブソルヴェ、ブギリ及びマサフ各総合病院)における、以下の指標を成果指標とする。

#### 1) 診療件数の増加

	実施前(2004 年)	施設完成 (2007 年) 以降
外来件数	244,765	増加する
マサフ総合病院 入院件数	4,523	増加する

#### 2) 検査件数の増加

	実施前(2004 年)	施設完成 (2007 年) 以降
全 X 線検査	9,161	増加する
全超音波検査	378	増加する
全心電図検査	0	増加する

#### 3) 医療活動の増加

	実施前(2004 年)	施設完成 (2007 年) 以降
全分娩数	9,602	増加する
全帝王切開数	1,365	増加する
全手術数	2,987	増加する

### (2) 評価のタイミング

- ・ 施設完成(2007 年)以降

## 入手資料リスト

Health Policy Statement 1999/2000	Ministry of Health	1999
National Health Policy	Ministry of Health	September , 1999
Health Sector Strategic Plan I 2000/01 - 2004/05	Ministry of Health	2000
Annual Health Sector Performance Report 2003/2004	Ministry of Health	October , 2004
Final Draft Health Sector Strategic Plan II 2005/06 - 2009/10	Ministry of Health	October, 2004
Investment Options and Recommendations	Ministry of Health	September, 2002
Health Facilities Inventory	Ministry of Health	October, 2002
National Infrastructure Development Plan, Detailed Working Drawings, Specifications and Bills of Quantities for the Standard Building Plans	Ministry of Health	May, 2003
National Infrastructure Development Plan, Standard Health Units, Cost Estimates	Ministry of Health	May, 2003
Statistical Abstract	Ministry of Health	April, 2003
Poverty Eradication Action Plan	Ministry of Finance Planning and Economic Development	March, 2000
Poverty Eradication Action Plan 2004/05 - 2007/8	Ministry of Finance Planning and Economic Development	2004
PPPR: Synthesised National Report on Local Governments and Administrative Units Needs Assessment	Ministry of Finance Planning and Economic Development	2000
Summary of Background to the Budget 2001/02	Ministry of Finance Planning and Economic Development	2002
Fiscal Decentralisation in Uganda: Strategy Paper	Ministry of Finance Planning and Economic Development	2002
Uganda Poverty Status Report	Ministry of Finance Planning and Economic Development	2003
Uganda: Demographic and Health Survey 2000 - 2001	Uganda Bureau of Statistics	2001
2002 Uganda Population and Housing Census Provisional Results	Uganda Bureau of Statistics	2003
The Building Control Regulations (DRAFT)	Ministry of Works, Housing and Communications, Building Dept	July, 2004
Structural Design Guideline (DRAFT)	Ministry of Works, Housing and Communications, Building Dept	July, 2004
Plumbing Code of Practice	Ministry of Works, Housing and Communications, Building Dept	October, 1989
Electrical Installations and Equipment (DRAFT)	Ministry of Works, Housing and Communications, Building Dept	July, 2004
Uganda Standards Catalogue	Uganda National Bureau of Standards	2004
US 101- Aggregates from natural sources for concrete	Uganda National Bureau of Standards	November, 2000
US 102- Burnt Clay Bricks	Uganda National Bureau of Standards	1995
US 155 Steel Bars for Reinforcement of Concrete	Uganda National Bureau of Standards	1995
US-319 Uganda Seismic Code of Practice	Uganda National Bureau of Standards	2003
Common External Tariff	East African Community Customs Union	2004

役職	ムバレRRH	保健省の 推奨する 標準人数	ブドゥダGH	トロロGH	ブソルヴェGH	ブギリGH	マサGH (現HC-IV)
<b>1. Medical Officer</b>							
Senior Medical Officer	0	1	1	1	1	1	0
Medical Officer	6	3	2	3	1	2(3)	0(1)
<b>2. Dental</b>							
Dental Surgeon	2	1	1	2	0	1	0
Public Health Dental Assistant Grade 1	3	1	2	1	1	1	1
<b>3. Pharmacy</b>							
Pharmacist	1	1	0	0	0	0	0
Dispenser	5	2	2	2	1	0(1)	0
<b>4. Nursing</b>							
Senior Nursing Officer	19	1	1	1	1	1	0
Registered Nurse/Midwife	*	3	1	3	1	2	0
Registered Nurse	*	6	2	7	3	5	1
Registered Midwife	*	3	2	4	3	5	1
Registered Public Health	0	1	0	0	0	0	0
Psychiatric Nurse	2	2	1	3	3	1	0
Enrolled Nurses	48	32	17	18	9	28	3
Enrolled Midwife	41	14	9	19	9	12	2
Nursing Assistant	19	15	12	25	21	18	6
<b>5. Allied Health Professionals</b>							
Psychiatric Clinical Officer	1	1	0	0	0	1	0
Ophthalmic Clinical Officer	2	1	1	1	0	2	0
Health Inspector	0	1	1	0	1	0	1
Medical Entomology Officer	0	1	0	0	0	0	0
Radiographer	2	1	0	2(1)	0	1	0
Physiotherapist	1	1	0	0	0	0	0
Occupation Therapist	1	1	0	0	0	0	0
Orthopedic Officer	4	1	1	2	0	1	0
Health Educationist	3	1	0	0	0	0	0
Anaesthetic Officer	4	2	1	2	2	3	1
Laboratory Technologist	1	1	0	0	0	0	0
Laboratory Technician	6	2	2	1	1	2	0
Laboratory Assistant	9	1	1	4	1	0	1
Clinical Officer	1	4	5	8	5	4	2
<b>6. Administrative and Other Staff</b>							
Hospital Administrator	0	1	1	1	1	1	0
Medical Social Worker	0	1	0	0	0	0	0
Nutritionist	1	1	0	0	0	0	0
Supplies Officer	2	1	0	1	0	0	0
Stench-Secretary	2	1	1	1	1	0	0
Store Assistant	1	1	1	2	1	2	0
Records Assistant	4	1	1	2	3	1	1
Accounts Assistant	2	2	2	0	1	1	0
<b>7. Support Staff</b>							
Darkroom Attendant	1	1	1	1	1	1	0
Mortuary Attendant	4	1	1	2	2	1	0
Driver	7	2	2	2	2	2	2
Cook	8	3	3	5	6	4	0
Guard	2	2	7	1	6	6	2
Artisan	40	3	1	3	2	2	3
Support Staff		6	0	7	23	10	2
<b>Total</b>	<b>305</b>	<b>132</b>	<b>86</b>	<b>137</b>	<b>113</b>	<b>122</b>	<b>29</b>