

Requested Items (Equipment)

ANNEX-2

Department	Item No.	Description	Q'ty	Priority
Operation Theater Complex	OT-01	Anesthetic apparatus	4	A
	OT-02	Anesthetic apparatus with ventilator	5	A
	OT-03	Autoclave, large size	2	A
	OT-04	Autoclave, medium size	2	A
	OT-05	Blood warmer	6	A
	OT-06	Defibrillator	2	A
	OT-07	Drug cabinet	4	A
	OT-08	Electrosurgical unit	8	A
	OT-09	Instrument set for general surgery	2	A
	OT-10	Laryngoscope set	4	A
	OT-11	Instrument set for micro vascular surgery	1	A
	OT-12	Instrument set for minor and intermediate surgery	1	A
	OT-13	Instrument set for nephrectomy	1	A
	OT-14	Instrument set for neurology	1	A
	OT-15	Neonatal resuscitator with over head warmer	1	A
	OT-16	Operation Lamp, complete type	4	A
	OT-17	Operation Lamp, simple type	4	A
	OT-18	Operation Lamp, mobile with battery back up unit	3	A
	OT-19	Operation monitor	8	A
	OT-20	Operation table	7	A
	OT-21	Operation table for orthopedic	1	A
	OT-22	Recovery bed	8	A
	OT-23	Shelf for container	2	A
	OT-24	Shelf for instrument	2	A
	OT-25	Sink unit	1	A
	OT-26	Sterilizing container	1	A
	OT-27	Stretcher	2	A
	OT-28	Suction unit, portable type	3	A
	OT-29	Suction unit, kick type	8	A
	OT-30	Surgical hand scrub unit	10	A
	OT-31	Syringe pump	4	A
	OT-32	Working table	2	A
	OT-33	X-ray film viewer, large, wall mount type	11	A
	OT-34	Automatic disinfectant	1	A
		C-arm X-ray unit		B
		Instrument set for amputation		B
		Instrument set for cervical fusion surgery		B
		Instrument set for cut down		B
		Instrument set for dilation & curettage		B
		Instrument set for E.N.T. surgery		B
		Instrument set for eye surgery		B
		Instrument set for forearm surgery		B
		Instrument set for gastrectomy		B
		Instrument set for laminectomy		B
		Instrument set for meniscectomy		B
		Instrument set for micro finger surgery		B
		Instrument set for micro hand surgery		B
		Instrument set for oesophageal dilator		B
		Instrument set for orthopaedic surgery		B
		Instrument set for pediatric plastic surgery		B
		Instrument set for prostatectomy		B
		Instrument set for skin grafting		B
		Instrument set for thoracic surgery		B
		Instrument set for thyroidotomy		B
		Instrument set for tonsillectomy		B
		Instrument set for tracheostomy		B
		Instrument set for vaginal hysterectomy & repair		B
		Instrument table with guard rail		B
		Instrument table with three fan-shaped tray		B
		Instrument table, mayo's type		B
		Operation Chair		B
		Patient monitor		B
		Ventilator		C

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Requested Items (Equipment)

ANNEX-2

Department	Item No.	Description	Q'ty	Priority
ICU	IC-01	Ambubag for adult	4	A
	IC-02	Ambubag for pediatrics	2	A
	IC-03	Autoclave, table top type	1	A
	IC-04	Blood warmer	4	A
	IC-05	Central monitor	1	A
	IC-06	Defibrillator	1	A
	IC-07	ECG	1	A
	IC-08	ICU bed	22	A
	IC-09	Infusion pump	10	A
	IC-10	Laryngoscope set	3	A
	IC-11	Ophthalmoscope	2	A
	IC-12	Patient monitor	22	A
	IC-13	Shelf for instrument	3	A
	IC-14	Shelf for linen	3	A
	IC-15	Spot lamp	1	A
	IC-16	Stretcher	2	A
	IC-17	Stretcher, radiotransparent	1	A
	IC-18	Suction unit, wall mount type	7	A
	IC-19	Suction unit, portable type	2	A
	IC-20	Syringe pump	10	A
	IC-21	Ventilator for adult	7	A
	IC-22	Ventilator for pediatrics	2	A
	IC-23	X-ray film viewer, large, wall mount type	2	A
		Blood gas analyzer		B
		Trolley		B
Central Laboratory Complex	LA-01	Autoclave, table top type	1	A
	LA-02	Autoclave, vertical type	1	A
	LA-03	Automatic biochemistry analyzer	1	A
	LA-04	Electronic balance	2	A
	LA-05	Bilirubinmeter	1	A
	LA-06	Blood gas analyzer	1	A
	LA-07	Centrifuge	3	A
	LA-08	Drying cabinet	1	A
	LA-09	Electrophoresis system	1	A
	LA-10	ELISA reader	1	A
	LA-11	ELISA washer	1	A
	LA-12	Flamephotometer	1	A
	LA-13	Deep freezer	1	A
	LA-14	Heat dry block	1	A
	LA-15	Hot air oven	1	A
	LA-16	Hot plate stirrer	1	A
	LA-17	Incubator	1	A
	LA-18	Laminar flow cabinet	1	A
	LA-19	Media sterilizer	1	A
	LA-20	Micro plate viewer	1	C
	LA-21	Microscope	4	A
	LA-22	Microscope with CCD camera and monitor	1	A
	LA-23	Microtome, rotary type	1	A
	LA-24	Osmometer	1	A
	LA-25	PH meter	1	A
	LA-26	Plate incubator	1	A
	LA-27	Refrigerator	2	A
	LA-28	Rotamixer	2	A
	LA-29	Hematology mixer	1	A
	LA-30	Semi automated coagulation analyzer	1	A
	LA-31	Slide staining appartus	1	A
	LA-32	Spectrophotometer	1	A
	LA-33	Stirrer	1	A
	LA-34	Tissue processing appartus	1	A
	LA-35	Urine meter	1	A
	LA-36	Water bath	2	A
		Automatic blood cell analyzer		B
		Hemoglobinmeter		B

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Requested Items (Equipment)

ANNEX-2

Department	Item No.	Description	Qty	Priority	
Central Facilities for Diagnostic Imaging	RA-01	Dark room accessories	1	A	
	RA-02	Dental X-ray, panorama type	1	A	
	RA-03	Examination table	2	A	
	RA-04	Mammography unit	1	A	
	RA-05	Mobile X-ray unit	1	A	
	RA-06	Pass box	1	A	
	RA-07	Ultrasound scanner, B/W	1	A	
	RA-08	Ultrasound scanner, color doppler	1	A	
	RA-09	X-ray film processor	1	A	
	RA-10	X-ray film viewer, small, wall mount type	1	A	
	RA-11	X-ray film viewer, large, wall mount type	2	A	
	RA-12	X-ray protective set	1	A	
	RA-13	X-ray system, fluoroscopy	1	A	
	RA-14	X-ray system, simple bucky and stand	3	A	
			Resuscitation bag for adult		B
			Resuscitation bag for paediatrics		B
			Stretcher		B
			CT Scanner		B
		VS-01	Bronchoscope	1	A
		VS-02	Colonoscope	1	A
		VS-03	Cystoscope	1	A
		VS-04	Endoscopic retrograde cholangiopancreatography	1	A
		VS-05	Endoscopic cabinet	1	A
		VS-06	Examination table for endoscope	2	A
		VS-07	Upper gastrointestinalspectroscope	1	A
		EE-01	EEG	1	A
		EE-02	Examination table	1	A
		EC-01	ECG	2	A
		EC-02	ECG, holter testing	1	A
		EC-03	ECG, stress testing	1	A
		EC-04	Examination table	2	A
		CO-01	Multimedia projector	1	A
Training Management	ME-01	Tool set	1	A	

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Japan's Grant Aid Scheme

The Government of Japan (hereinafter referred to as "the GOJ") is implementing the organizational reforms to improve the quality of ODA operations, and as a part of this realignment, a new JICA law was entered into effect on October 1, 2008. Based on this law and the decision of the GOJ, JICA has become the executing agency of the Grant Aid for General Projects, for Fisheries and for Cultural Cooperation, etc.

The Grant Aid is non-reimbursable fund provided to a recipient country to procure the facilities, equipment and services (engineering services and transportation of the products, etc.) for its economic and social development in accordance with the relevant laws and regulations of Japan. The Grant Aid is not supplied through the donation of materials as such.

1. Grant Aid Procedures

The Japanese Grant Aid is supplied through following procedures :

- Preparatory Survey
 - The Survey conducted by JICA
- Appraisal & Approval
 - Appraisal by the GOJ and JICA, and Approval by the Japanese Cabinet
- Authority for Determining Implementation
 - The Notes exchanged between the GOJ and a recipient country
- Grant Agreement (hereinafter referred to as "the G/A")
 - Agreement concluded between JICA and a recipient country
- Implementation
 - Implementation of the Project on the basis of the G/A

2. Preparatory Survey

(1) Contents of the Survey

The aim of the Preparatory Survey is to provide a basic document necessary for the appraisal of the Project made by the GOJ and JICA. The contents of the Survey are as follows:

- Confirmation of the background, objectives, and benefits of the Project and also

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institutional capacity of relevant agencies of the recipient country necessary for the implementation of the Project.

- Evaluation of the appropriateness of the Project to be implemented under the Grant Aid Scheme from a technical, financial, social and economic point of view.
- Confirmation of items agreed between both parties concerning the basic concept of the Project.
- Preparation of a outline design of the Project.
- Estimation of costs of the Project.

The contents of the original request by the recipient country are not necessarily approved in their initial form as the contents of the Grant Aid project. The Outline Design of the Project is confirmed based on the guidelines of the Japan's Grant Aid scheme.

JICA requests the Government of the recipient country to take whatever measures necessary to achieve its self-reliance in the implementation of the Project. Such measures must be guaranteed even though they may fall outside of the jurisdiction of the organization of the recipient country which actually implements the Project. Therefore, the implementation of the Project is confirmed by all relevant organizations of the recipient country based on the Minutes of Discussions.

(2) Selection of Consultants

For smooth implementation of the Survey, JICA employs (a) registered consulting firm(s). JICA selects (a) firm(s) based on proposals submitted by interested firms.

(3) Result of the Survey

JICA reviews the Report on the results of the Survey and recommends the GOJ to appraise the implementation of the Project after confirming the appropriateness of the Project.

3. Japan's Grant Aid Scheme

(1) The E/N and the G/A

After the Project is approved by the Cabinet of Japan, the Exchange of Notes (hereinafter referred to as "the E/N") will be signed between the GOJ and the Government of the recipient country to make a pledge for assistance, which is followed by the conclusion of the G/A between JICA and the Government of the recipient country to define the necessary articles to implement the Project, such as payment conditions, responsibilities of the

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Government of the recipient country, and procurement conditions.

(2) Selection of Consultants

In order to maintain technical consistency, the consulting firm(s) which conducted the Survey will be recommended by JICA to the recipient country to continue to work on the Project's implementation after the E/N and G/A.

(3) Eligible source country

Under the Japanese Grant Aid, in principle, Japanese products and services including transport or those of the recipient country are to be purchased. When JICA and the Government of the recipient country or its designated authority deem it necessary, the Grant Aid may be used for the purchase of the products or services of a third country. However, the prime contractors, namely, constructing and procurement firms, and the prime consulting firm are limited to "Japanese nationals".

(4) Necessity of "Verification"

The Government of the recipient country or its designated authority will conclude contracts denominated in Japanese yen with Japanese nationals. Those contracts shall be verified by JICA. This "Verification" is deemed necessary to fulfill accountability to Japanese taxpayers.

(5) Major undertakings to be taken by 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 Annex.

(6) "Proper Use"

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

(7) "Export and Re-export"

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

(8) Banking Arrangements (B/A)

a) The Government of the recipient country or its designated authority should open an

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account under the name of the Government of the recipient country in a bank in Japan (hereinafter referred to as "the Bank"). JICA will execute the Grant Aid by making payments in Japanese yen to cover the obligations incurred by the 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 JICA under an Authorization to Pay (A/P) issued by the Government of the recipient country or its designated authority.

(9) Authorization to Pay (A/P)

The Government of the recipient country should bear an advising commission of an Authorization to Pay and payment commissions paid to the Bank.

(10) Social and Environmental Considerations

A recipient country must carefully consider social and environmental impacts by the Project and must comply with the environmental regulations of the recipient country and JICA socio-environmental guidelines.

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Attachment-1 Flow Chart of Japan's Grant Aid Procedure

Stage	Flow & Works	Recipient Government	Japanese Government	JICA	Consultant	Contract	Others
Application	<p>Request</p> <p>↓</p> <p>Screening of Project → Evaluation of T/R → Project Identification Survey*</p>						
Project Formulation & Preparation	Preparatory Survey	<p>Preliminary Survey* → Field Survey Home Office Work Reporting</p> <p>↓</p> <p>Outline Design → Selection & Contracting of Consultant by Proposal → Field Survey Home Office Work Reporting</p> <p>Explanation of Draft Final Report ↔ Final Report</p> <p>*if necessary</p>					
Appraisal & Approval	<p>Appraisal of Project</p> <p>↓</p> <p>Inter Ministerial Consultation</p> <p>↓</p> <p>Presentation of Draft Notes</p> <p>↓</p> <p>Approval by the Cabinet</p>						
Implementation	<p>↓</p> <p>E/N and G/A (E/N: Exchange of Notes) (G/A: Grant Agreement)</p> <p>↓</p> <p>Banking Arrangement (A/P: Authorization to Pay)</p> <p>↓</p> <p>Consultant Contract → Verification → Issuance of A/P</p> <p>↓</p> <p>Detailed Design & Tender Documents → Approval by Recipient Government → Preparation for Tendering</p> <p>↓</p> <p>Tendering & Evaluation</p> <p>↓</p> <p>Procurement /Construction Contract → Verification → A/P</p> <p>↓</p> <p>Construction → Completion Certificate Recipient Government → A/P</p> <p>↓</p> <p>Operation → Post Evaluation Study</p>						
Evaluation & Follow up	<p>↓</p> <p>Ex-post Evaluation → Follow up</p>						

ANNEX- 4

Major Undertakings to be taken by Each Government

UNDERTAKENIGS BY THE GOVERNMENT OF THE RECIPIENT COUNTRY

1. To secure a lot of land necessary for the Project.
2. To clear and level the site for the Project prior to the commencement of the construction for the Project.
3. To provide a proper access road to the Project site.
4. To provide facilities for distribution of electricity, water supply, telephone trunk line and drainage and other incidental facilities outside the site;
5. To undertake incidental outdoor works, such as gardening, fencing, exterior lighting and other incidental facilities in and around the Project site, if necessary;
6. To ensure prompt unloading and customs clearance of the products purchased under the Japanese Grant Aid at ports of disembarkation in the Recipient Country.
7. To exempt Japanese nationals from customs duties, internal taxes and fiscal levies which may be imposed in THE RECIPIENT COUNTRY with respect to the supply of the products and services under the verified contracts.
8. 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;
9. To bear commissions, namely advising commissions of an Authorization to Pay (A/P) and payment commissions, to the Japanese foreign exchange bank for the banking services based upon the Banking Arrangement (B/A);
10. To provide necessary permissions, licenses and other authorization for implementing the Project, if necessary;
11. To ensure that the facilities constructed and equipment purchased under the Japanese Grant Aid be maintained and used properly and effectively for the Project; and
12. To bear all the expenses, other than those covered by the Japanese Grant Aid, necessary for the Project

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ANNEX- 4

Necessary measures undertaking by each government

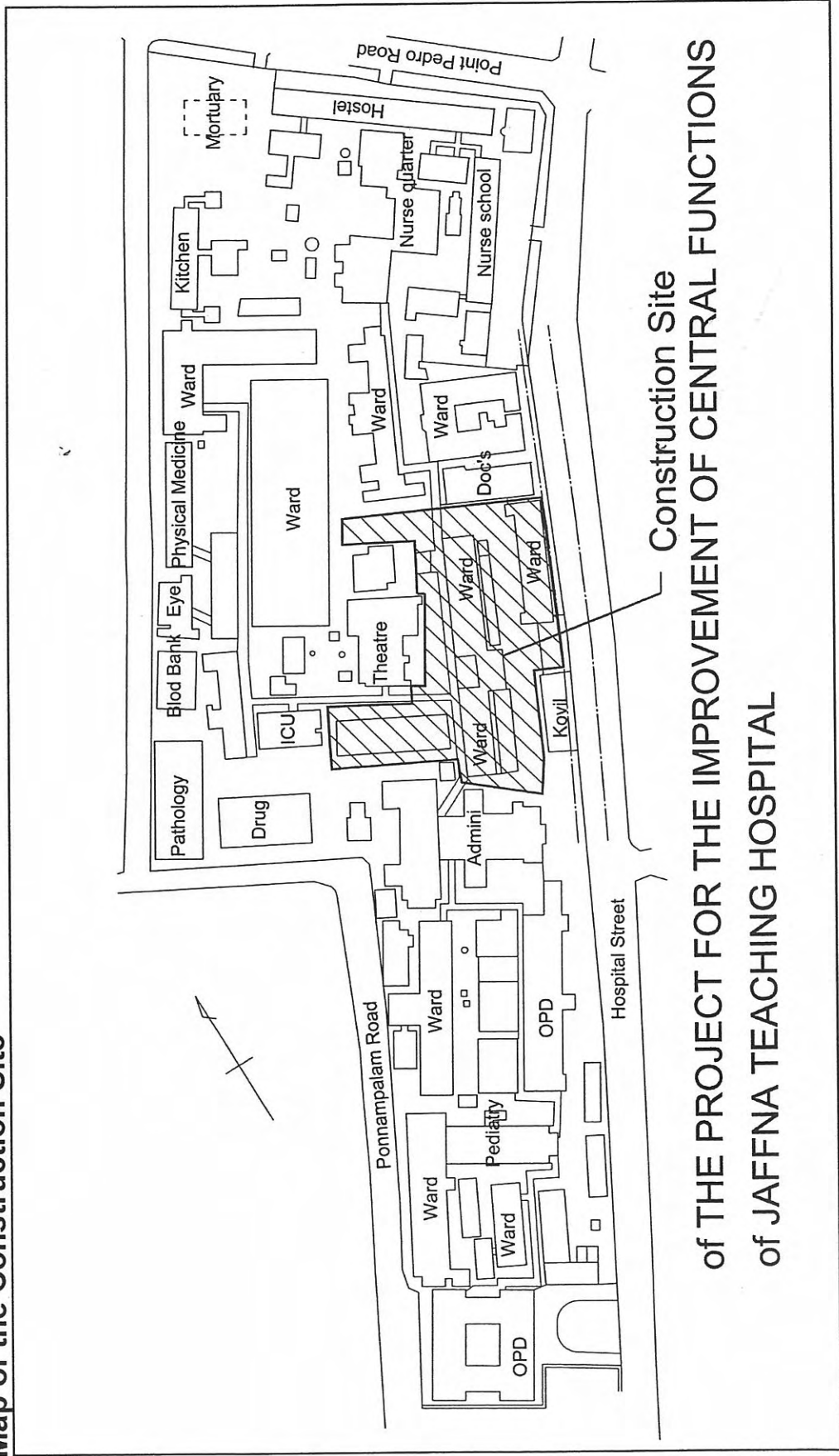
No.	Items	To be covered by Grant Aid	To be covered by Recipient Side
1	To secure a lot of land necessary for the implementation of the Project and to clear the site		●
2	To construct the following facilities		
	1) The building	●	
	2) The gates and fences in and around the site		●
	3) The parking lot	●	
	4) The road within the site	●	
	5) The road outside the site		●
3	To provide facilities for distribution of electricity, water supply and drainage and other incidental facilities necessary for the implementation of the Project outside the site		
	1) Electricity		
	a. The distributing power 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 elevated tanks)	●	
	3) Drainage		
	a. The city drainage main (for storm sewer and others to the site)		●
	b. The drainage system (for toilet sewer, common waste, storm drainage and others) within the site	●	
	4) Gas Supply		
	a. 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	●	
4	To ensure prompt unloading and customs clearance of the products at ports of disembarkation in the recipient country and to assist internal transportation of the products		
	1) Marine (Air) transportation of the Products from Japan to the recipient country	●	
	2) Tax exemption and custom clearance of the Products at the port of disembarkation		●
	3) Internal transportation from the port of disembarkation to the project site	●	
5	To ensure that customs duties, internal taxes and other fiscal levies which may be imposed in the recipient country with respect to the purchase of the products and the services be borne by the Authority without using the Grant		●
6	To accord Japanese nationals whose services may be required in connection with the supply of the products and the services such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work		●
7	To ensure that the Facilities and the products be maintained and used properly and effectively for the implementation of the Project		●
8	To bear all the expenses, other than those covered by the Grant, necessary for the implementation of the Project		●
9	To bear the following commissions paid to the Japanese bank for banking services based upon the B/A		
	1) Advising commission of A/P		●
	2) Payment commission		●
10	To give due environmental and social consideration in the implementation of the Project.		●

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ANNEX-5

Map of the Construction Site



Construction Site
of THE PROJECT FOR THE IMPROVEMENT OF CENTRAL FUNCTIONS
of JAFFNA TEACHING HOSPITAL

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(2) Explanation of Draft Report (for reference)

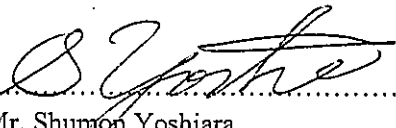
**MINUTES OF DISCUSSIONS
ON THE BASIC DESIGN STUDY
ON THE PROJECT FOR THE IMPROVEMENT OF CENTRAL FUNCTIONS
OF JAFFNA TEACHING HOSPITAL
IN THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
(EXPLANATION ON DRAFT REPORT)**

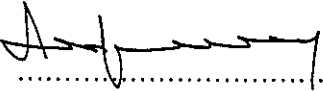
In February 2005, the Japan International Cooperation Agency (hereinafter referred to as "JICA") dispatched a Basic Design Study Team on the Project for the Improvement of Central Functions of Jaffna Teaching Hospital (hereinafter referred to as "the Project") to the Democratic Socialist Republic of Sri Lanka (hereinafter referred to as "Sri Lanka"), and through discussion, field survey, and technical examination of the results in Japan, JICA prepared a draft report of the study.

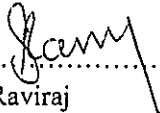
In order to explain and to consult with the Government of Sri Lanka on the components of the draft report, JICA sent to Sri Lanka the Draft Report Explanation Team (hereinafter referred to as "the Team"), which is headed by Mr. Shumon Yoshiara, Team Director, Health Team, Project Management Group, Grant Aid Management Department, JICA, from 18th July 2005 to 26th July 2005.


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

Colombo, 22nd July 2005


.....
Mr. Shumon Yoshiara
Leader
Draft Report Explanation Team
Japan International Cooperation Agency


.....
Mr. M.S. Jayasinghe
Secretary
Ministry of Relief, Rehabilitation and Reconciliation


.....
Dr. S. Raviraj
Acting Director
Jaffna Teaching Hospital



.....
Mr. Ranjith Maligaspe
Secretary
Ministry of Healthcare, Nutrition &
Uva Wellassa Development, Nutrition
Ministry of Healthcare, Nutrition &
Uva Wellassa Development

.....
Mrs. R.V. Nanayakkara
Additional Director General
Department of External Resources
Ministry of Finance + planning

ATTACHMENT

1. Components of the Draft Report

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

2. Japan's Grant Aid scheme

The Sri Lankan side understands the Japan's Grant Aid Scheme and the necessary measures to be taken by the Government of Sri Lanka as explained by the Team and described in Annex-3 and Annex-4 of the Minutes of Discussions signed by both parties on 24th February 2005.

3. Schedule of the Study

JICA will complete the final report in accordance with the confirmed item and send it to the Government of Sri Lanka by December 2005.

4. Other relevant issues

4-1. Land Clearance

Sri Lankan side promised to reallocate the existing hospital services, clear the land through demolition of the existing buildings at the construction site and relocate the infrastructure no later than six months after the signing of the Exchange of Notes by both governments.

4-2. Proper Maintenance

Sri Lankan side promised to allocate necessary budget and manpower for the proper maintenance and utilization of the equipments and facilities to be provided under the Project.

4-3. Relocation of Equipments

Sri Lankan side promised to relocate the equipments under usage at the existing buildings to the new facility upon necessity.

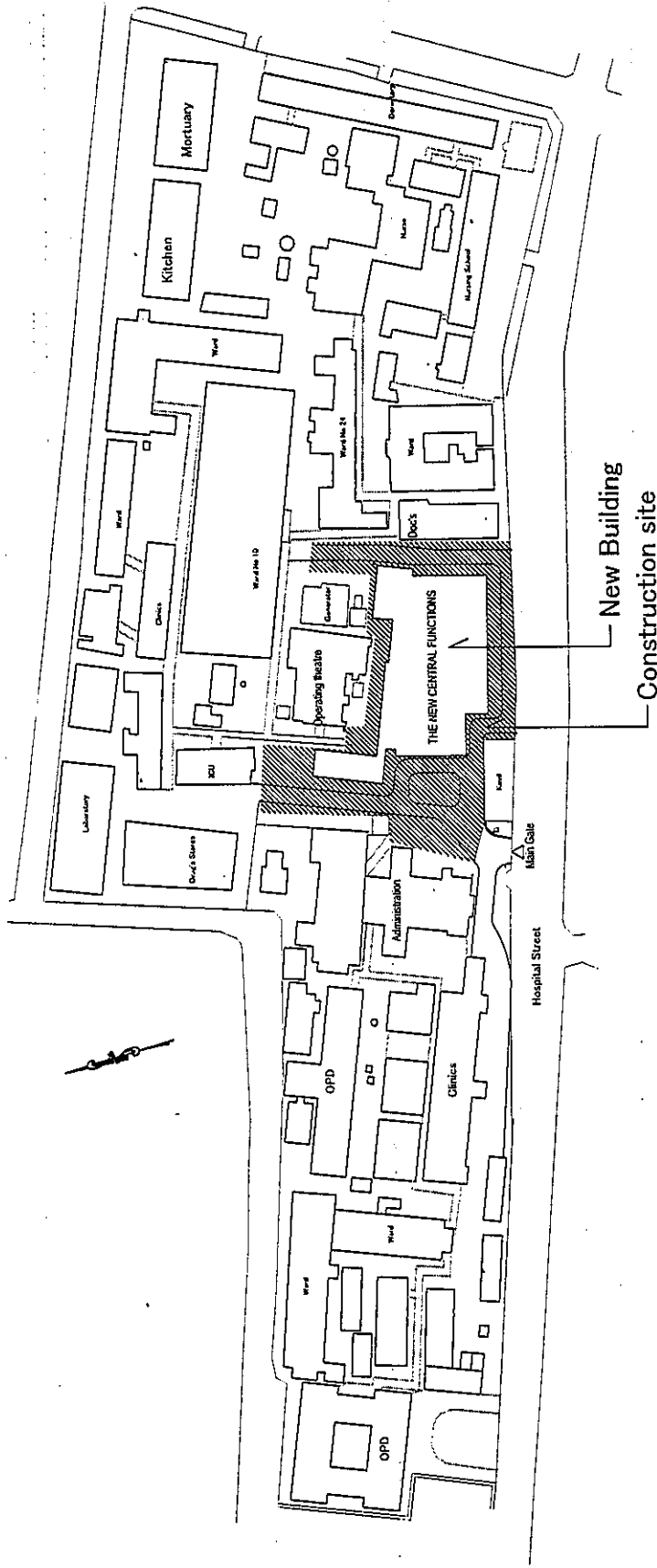
4-4. Confidentiality of the Report

Both sides confirmed that the contents of the draft final report should be confidential until the time of tender.

4-5. Works Related to Preparation for Construction

Sri Lankan side promised provision of land for temporary office, workers' lodgings, materials yard, etc. outside the premises of the Hospital

Appendix 1



Project Site Plan

THE PROJECT FOR THE IMPROVEMENT OF CENTRAL FUNCTIONS OF

JAFFNA TEACHING HOSPITAL

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Appendix 2

Outline of Facilities

				Elevated Water Tank
4th Floor	(Space for Future Expansion of Rooms for Medical Education)		Space for Air Conditioner Outdoor Units	
3rd Floor	Operation Dept. Management Room	ICUs 20 ICU beds 2 Rooms for infections	Central Laboratory Complex Clinical Pathology, Hematology, Biochemistry, Microbiology	
2nd Floor	Operation Theater Complex 8 Operation rooms (incl. 2 for aseptic), Recovery Rooms		Central Supply & Sterilizing Dept.	
1st Floor	Central Facilities for Diagnostic Imaging 4 Radiology Rooms, Dental X-ray, Mammography Endoscopy Room, CT Room Physiology Room (8 booths, ECG, EEG, Ultrasound)		Machinery Room, etc.	
				Generator
				Water Reservoir, etc.

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Appendix 3 Equipment list

Item No.	Description	Q'ty
OT-01	Anesthetic apparatus	4
OT-02	Anesthetic apparatus with ventilator	5
OT-03	Autoclave, large size	2
OT-04	Autoclave, medium size	2
OT-05	Blood warmer	6
OT-06	Defibrillator	2
OT-07	Drug cabinet	4
OT-08	Electrosurgical unit	8
OT-09	Instrument set for general surgery	2
OT-10	Laryngoscope set	4
OT-11	Instrument set for micro vascular surgery	1
OT-12	Instrument set for minor and intermediate surgery	1
OT-13	Instrument set for nephrectomy	1
OT-14	Instrument set for neurology	1
OT-15	Neonatal resuscitator with over head warmer	1
OT-16	Operation Lamp, complete type	4
OT-17	Operation Lamp, simple type	4
OT-18	Operation Lamp, mobile with battery back up unit	3
OT-19	Operation monitor	8
OT-20	Operation table	7
OT-21	Operation table for orthopedic	1
OT-22	Recovery bed	8
OT-23	Shelf for container	2
OT-24	Shelf for instrument	2
OT-25	Sink unit	1
OT-26	Sterilizing container	1
OT-27	Stretcher	2
OT-28	Suction unit, portable type	3
OT-29	Suction unit, kick type	8
OT-30	Surgical hand scrub unit	10
OT-31	Syringe pump	4
OT-32	Working table	2
OT-33	X-ray film viewer, large, wall mount type	11
OT-34	Automatic disinfectant	1
IC-01	Ambubag for adult	4
IC-02	Ambubag for pediatrics	2
IC-03	Autoclave, table top type	1
IC-04	Blood warmer	4
IC-05	Central monitor	1
IC-06	Defibrillator	1
IC-07	ECG	1
IC-08	ICU bed	22
IC-09	Infusion pump	10
IC-10	Laryngoscope set	3
IC-11	Ophthalmoscope	2
IC-12	Patient monitor	22
IC-13	Shelf for instrument	3
IC-14	Shelf for linen	3
IC-15	Spot lamp	1
IC-16	Stretcher	2
IC-17	Stretcher, radiotransparent	1
IC-18	Suction unit, wall mount type	7
IC-19	Suction unit, portable type	2
IC-20	Syringe pump	10
IC-21	Ventilator for adult	7
IC-22	Ventilator for pediatrics	2
IC-23	X-ray film viewer, large, wall mount type	2
LA-01	Autoclave, table top type	1
LA-02	Autoclave, vertical type	1
LA-03	Automatic biochemistry analyzer	1
LA-04	Electronic balance	2

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Appendix 3 Equipment list (continued)

Item No.	Description	Q'ty
LA-05	Bilirubinmeter	1
LA-06	Blood gas analyzer	1
LA-07	Centrifuge	3
LA-08	Drying cabinet	1
LA-09	Electrophoresis system	1
LA-10	ELISA reader	1
LA-11	ELISA washer	1
LA-12	Flamephotometer	1
LA-13	Deep freezer	1
LA-14	Heat dry block	1
LA-15	Hot air oven	1
LA-16	Hot plate stirrer	1
LA-17	Incubator	1
LA-18	Laminar flow cabinet	1
LA-19	Media sterilizer	1
LA-20	Micro plate viewer	1
LA-21	Microscope	4
LA-22	Microscope with CCD camera and monitor	1
LA-23	Microtome, rotary type	1
LA-24	Osmometer	1
LA-25	PH meter	1
LA-26	Plate incubator	1
LA-27	Refrigerator	1
LA-28	Rotamixer	2
LA-29	Hematology mixer	1
LA-30	Semi automated coagulation analyzer	1
LA-31	Slide staining apparatus	1
LA-32	Spectrophotometer	1
LA-33	Stirrer	1
LA-34	Tissue processing apparatus	1
LA-35	Urine meter	1
LA-36	Water bath	2
RA-01	Dark room accessories	1
RA-02	Dental X-ray, panorama type	1
RA-03	Examination table	2
RA-04	Mammography unit	1
RA-05	Mobile X-ray unit	1
RA-06	Pass box	1
RA-07	Ultrasound scanner, B/W	1
RA-08	Ultrasound scanner, color doppler	1
RA-09	X-ray film processor	1
RA-10	X-ray film viewer, small, wall mount type	1
RA-11	X-ray film viewer, large, wall mount type	2
RA-12	X-ray protective set	1
RA-13	X-ray system, fluoroscopy	1
RA-14	X-ray system, simple bucky and stand	3
VS-01	Bronchoscope	1
VS-02	Colonoscope	1
VS-03	Cystoscope	1
VS-04	Endoscopic retrograde cholangiopancreatography	1
VS-05	Endoscopic cabinet	1
VS-06	Examination table for endoscope	2
VS-07	Upper gastrointestinalscope	1
EE-01	EEG	1
EE-02	Examination table	1
EC-01	ECG	2
EC-02	ECG, holter testing	1
EC-03	ECG, stress testing	1
EC-04	Examination table	2
CO-01	Multimedia projector	1
ME-01	Tool set	1

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