

No.	Equipment name	Department	Priority		
			A	B	C
1	ECG Monitor	Anaesthesia & Recovery Unit		0	
2	Surgical Microscope (teaching type)	Angioplasty Dep.			X
3	Kidney machine, Hemodialysis Unit	Artificial Kidney Unit	0		
4	Sterilizing Unit, Dry Heat	Artificial Kidney Unit	0		
5	Burns Bath	Burns Plastic Surgery Dep			X
6	Dermatome Electric	Burns Plastic Surgery Dep			X
7	Equipment for Skin Bank	Burns Plastic Surgery Dep			X
8	Lower air loss Bed	Burns Plastic Surgery Dep			X
9	Electrocardiograph, 3 channel /without Analyzer	Cardiology Clinic	0		
10	Defibrillator/ Monitor/ with non invasive pacemaker	Cardiology Dep		0	
11	ECG Monitor/ Multi channel	Cardiology Dep		0	
12	Echo Colored Cardiac / Doppler	Cardiovascular Surgery Dep		0	
13	Bed side monitor	CCU Dep		0	
14	Central monitoring system	CCU Dep			X
15	Automatic Infusion Pump	CCU Dep	0		
16	Syringe Pump	CCU Dep		0	
17	Electrocardiograph	CCU Dep		0	
18	Glucose Analyzer	CCU Dep		0	
19	Ventilator	CCU Dep		0	
20	Lung Function Testing equipment (Spirometer)	Chest Disease Dep		0	
21	Chair Dental with Accessories	Dentofacial Surgery Dep	0		
22	Electrosurgical Unit General Purpose	Dentofacial Surgery Dep	0		
23	Light Examination	Emergency Dep		0	
24	Radiographic Unit General purpose	Emergency Dep	0		
25	Sterilizing Unit Dry Heat	Emergency Dep		0	
26	Audiometer	ENT Clinic	0		
27	Magnifier	ENT Clinic		0	
28	ENT Treatment Unit	ENT Clinic	0		
29	Colonoscope	Gastrointestinal Dep		0	
30	Gastroscope	Gastrointestinal Dep		0	
31	Scanner Ultrasonic General Purpose	Gastrointestinal Dep		0	
32	Sterilizing Unit Dry Heat	Gastrointestinal Dep	0		
33	Suction Unit Aspirator	Gastrointestinal Dep	0		
34	Table for Cleaning of the Endoscopy Equipment	Gastrointestinal Dep	0		
35	Bedside monitor	General ICU Dep	0		
36	Blood Gas Analyzer	General ICU Dep		0	
37	Defibrillator/ Monitor/ with non invasive pacemaker	General ICU Dep		0	
38	Electrocardiograph	General ICU Dep		0	
39	Electrolyte Analyzer Ion-Selective	General ICU Dep		0	
40	Glucose Analyzer	General ICU Dep	0		
41	Pneumatic Mattress with Automatic Pump	General ICU Dep			X
42	Automatic Infusion Pump	General ICU Dep		0	
43	Syringe Pump	General ICU Dep		0	
44	Cell Saver (for blood elements)	General Operation ward			X
45	Centrifuge, Tabletop	Labo. (Bacteriology)	0		
46	Distilling Unit	Labo. (Bacteriology)	0		
47	Sterilizing Unit Vapor	Labo. (Bacteriology)	0		
48	Spectrophotometer U.V./Visible	Labo. (Biochemistry)	0		
49	Automatic Diluter	Labo. (Biochemistry)		0	
50	Automatic Pipette	Labo. (Biochemistry)		0	
51	Automatic Titration Device	Labo. (Biochemistry)		0	
52	Constant Temperature Circulating Bath	Labo. (Biochemistry)		0	
53	Electrolyte Analyzer Na,K,Cl /at least	Labo. (Biochemistry)	0		
54	High Precision Analytical Balance	Labo. (Biochemistry)		0	
55	Laboratory Autoclave	Labo. (Biochemistry)		0	
56	Osmometer	Labo. (Biochemistry)		0	

No.	Equipment name	Department	Priority		
			A	B	C
57	Water Demineralizer	Labo. (Biochemistry)		O	
58	Distilling Unit	Labo. (Blood bank)	O		
59	Refrigerator Blood Bank	Labo. (Blood bank)	O		
60	Centrifuge Microhematocrit	Labo. (Blood bank)	O		
61	Centrifuge, Tabletop	Labo. (Blood bank)		O	
62	Automatic Pipette	Labo. (Blood bank)		O	
63	Automatic Titration Device	Labo. (Blood bank)		O	
64	Constant Temperature Circulating Bath	Labo. (Blood bank)		O	
65	High Precision Analytical Balance	Labo. (Blood bank)		O	
66	Laboratory Autoclave	Labo. (Blood bank)		O	
67	Pipette Washer/ Dryer	Labo. (Blood bank)		O	
68	Electrophoresis Equipment	Labo. (Electrophoresis)		O	
69	Automatic Pipette	Labo. (Hematology)		O	
70	Automatic Titration Device	Labo. (Hematology)		O	
71	Coagulometer	Labo. (Hematology)		O	
72	Constant Temperature Circulating Bath	Labo. (Hematology)		O	
73	Electronic Differential White Cell Counter	Labo. (Hematology)		O	
74	High Precision Analytical Balance	Labo. (Hematology)		O	
75	Laboratory Autoclave	Labo. (Hematology)		O	
76	Pipette Washer/ Dryer	Labo. (Hematology)		O	
77	Trinocular Microscope	Labo. (Hematology)		O	
78	Hematocrit Centrifuge	Labo. (Hematology)		O	
79	Automatic Pipette	Labo. (Hormone)		O	
80	Automatic Titration Device	Labo. (Hormone)		O	
81	Constant Temperature Circulating Bath	Labo. (Hormone)		O	
82	High Precision Analytical Balance	Labo. (Hormone)		O	
83	Laboratory Autoclave	Labo. (Hormone)		O	
84	Pipette Washer/ Dryer	Labo. (Hormone)		O	
85	Centrifuge Refrigerated	Labo. (Hormone)	O		
86	Centrifuge Table top	Labo. (Hormone)	O		
87	Diluter	Labo. (Hormone)	O		
88	Incubator Laboratory Thermocycling	Labo. (Hormone)	O		
89	Mixer Clinical Laboratory	Labo. (Hormone)	O		
90	Automatic Pipette	Labo. (Immunology)		O	
91	Automatic Titration Device	Labo. (Immunology)		O	
92	Constant Temperature Circulating Bath	Labo. (Immunology)		O	
93	High Precision Analytical Balance	Labo. (Immunology)		O	
94	Laboratory Autoclave	Labo. (Immunology)		O	
95	Pipette Washer/ Dryer	Labo. (Immunology)		O	
96	Microscope Laboratory	Labo. (Immunology)	O		
97	Sterilizing Unit Dry Heat	Labo. (Immunology)	O		
98	Automatic Pipette	Labo. (Pathology)		O	
99	Automatic Titration Device	Labo. (Pathology)		O	
100	Constant Temperature Circulating Bath	Labo. (Pathology)		O	
101	High Precision Analytical Balance	Labo. (Pathology)		O	
102	Histology Staining Station	Labo. (Pathology)		O	
103	Laboratory Autoclave	Labo. (Pathology)		O	
104	Microtome (Rotary)	Labo. (Pathology)		O	
105	Microtome (Sledge)	Labo. (Pathology)		O	
106	Paraffin Oven	Labo. (Pathology)		O	
107	Pipette Washer/ Dryer	Labo. (Pathology)		O	
108	Shaker for Tissue Fixation	Labo. (Pathology)		O	
109	Slide Warmer	Labo. (Pathology)		O	
110	Trinocular Microscope	Labo. (Pathology)		O	
111	Deep Freezer	Labo. (Pathology)		O	
112	Wax Dispenser	Labo. (Pathology)		O	

No.	Equipment name	Department	Priority		
			A	B	C
113	Balance Electronic	Labo. (Pathology)	0		
114	Bath Paraffin Physical Therapy	Labo. (Pathology)	0		
115	Microtome Cryostat	Labo. (Pathology)	0		
116	Tissue Processor	Labo. (Pathology)	0		
117	Morgue Refrigerator	Morgue Unit		0	
118	Bedside monitor	Neuro ICU Dep		0	
119	Defibrillator/ Monitor/ with non invasive pacemaker	Neuro ICU Dep		0	
120	Electrocardiograph	Neuro ICU Dep		0	
121	Glucose Analyzer	Neuro ICU Dep	0		
122	Pneumatic Mattress with Automatic Pump	Neuro ICU Dep			X
123	Ventilator	Neuro ICU Dep		0	
124	Sterilizing Unit Dry Heat	Neurosurgery Dep		0	
125	Anaesthesia Unit	Neurosurgery Ward		0	
126	EEG/Multiple channel	Neurosurgery Ward		0	
127	Electrosurgical Unit General Purpose	Neurosurgery Ward		0	
128	Head Light	Neurosurgery Ward		0	
129	Hydraulic Surgical Microscope	Neurosurgery Ward		0	
130	Kovetron (Coagulator for brain)	Neurosurgery Ward		0	
131	Light Examination	Neurosurgery Ward		0	
132	Radiographic Unit Mobile	Neurosurgery Ward		0	
133	Table Operating	Neurosurgery Ward	0		
134	Head Light	Ophthalmology-surgery Ward		0	
135	Chart Eye Visual Acuity	Ophthalmology Clinic		0	
136	Extractor Metal Magnetic	Ophthalmology Clinic		0	
137	Keratometer (javal)	Ophthalmology Clinic		0	
138	Lensometer	Ophthalmology Clinic		0	
139	Ophthalmoscope Direct	Ophthalmology Clinic		0	
140	Ophthalmoscope Indirect	Ophthalmology Clinic		0	
141	Perimeter Automatic	Ophthalmology Clinic		0	
142	Retinoscope (Skiascope)	Ophthalmology Clinic		0	
143	Slit Lamp	Ophthalmology Clinic		0	
144	Trial Lens Set Ophthalmic	Ophthalmology Clinic		0	
145	Table Operating	Ophthalmology Dep		0	
146	Cast Cutter	Orthopedic Operation Dep	0		
147	Drill air pressure	Orthopedic Operation Dep		0	
148	Saw Air pressure Oscillator	Orthopedic Operation Dep		0	
149	Electrosurgical Unit General purpose	Orthopedic Operation Ward	0		
150	Head Light	Orthopedic Operation Ward		0	
151	Table Operating Orthopedic	Orthopedic Operation Ward	0		
152	Blood Exchange Incubator	Pediatric Dep		0	
153	Glucose Analyzer	Pediatric Dep	0		
154	Head Box	Pediatric Dep	0		
155	Light Examination	Pediatric Dep	0		
156	Nebulizer	Pediatric Dep	0		
157	Neonatal Ventilator Unit	Pediatric Dep		0	
158	Pulse Oximeter	Pediatric Dep	0		
159	Bath Paraffin Clinical	Physical Therapy	0		
160	Exerciser Neck	Physical Therapy	0		
161	Heating Unit Hot Pack	Physical Therapy	0		
162	Light Infrared	Physical Therapy	0		
163	Muscle Stimulator Neuromuscular	Physical Therapy	0		
164	Short Wave Physical Therapy	Physical Therapy	0		
165	Ultrasound Physical Therapy	Physical Therapy	0		
166	Automatic Gas Sterilizer	Sterilization Dep		0	
167	High Speed Sterilizer	Sterilization Dep		0	
168	Steam Sterilizer for Biborons	Sterilization Dep		0	

No.	Equipment name	Department	Priority		
			A	B	C
169	Ultrasonic Cleaner	Sterilization Dep	0		
170	Washing Machine for Instrument	Sterilization Dep	0		
171	Electrosurgical Unit General Purpose	Surgery Dep		0	
172	Glucose Analyzer	Surgery Dep		0	
173	Sterilizing Unit Dry Heat	Surgery Dep	0		
174	Surgical Endoscopy Set (Mediastinalscope)	Thoracic Operation Ward		0	
175	Surgical Endoscopy Set (Thoracicendoscope)	Thoracic Operation Ward		0	
176	Anesthesia Unit	Thoracic Surgery Ward		0	
177	Electrosurgical Unit General purpose	Thoracic Surgery Ward	0		
178	Head Light	Thoracic Surgery Ward		0	
179	Sterilizing Unit Dry Heat	Thoracic Surgery Ward	0		
180	Suction Unit Aspirator	Thoracic Surgery Ward	0		
181	Table Operating	Thoracic Surgery Ward	0		
182	Scanner Ultrasonic General purpose	Urology Clinic		0	
183	Sterilizing Unit Dry Heat	Urology Dep		0	
184	Cystoscope without TUR set	Urology Dep		0	
185	Radiographic /Fluoroscopic Unit General Purpose	X-ray Dep	0		
186	CPR mannequin with monitor	Training equipment		0	
187	CPR mannequin (child and adult)	Training equipment		0	
188	Air way management trainer (child and adult)	Training equipment		0	
189	IV trainer arm	Training equipment		0	
190	Complete set of emergency injuries model	Training equipment		0	
191	Resuscitation emergency bag	Training equipment		0	
192	Dressing emergency bag	Training equipment		0	
193	Auto ventilator	Training equipment		0	
194	Carousel slide projector	Teaching material		0	
195	Overhead projector	Teaching material		0	
196	Laser pointer	Teaching material		0	
197	VHS video cassette recorder	Teaching material		0	
198	VHS movie camera	Teaching material		0	
199	TV set	Teaching material		0	
200	Audio mixer	Teaching material		0	

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Annex-II

Criteria for equipment selection

Policy of Basic Design Team

- Replacing or supplementing of the essential and fundamental equipment which is necessary for medical activities of Damascus Hospital
- Replacing or supplementing of the essential and fundamental equipment which is necessary for teaching and training activities of Damascus Hospital
- Determining the items and quantities attaching importance to appropriateness in medical technique, maintenance, budgetary plan and others
- Designing the project so that it meets the scheme of Japan's ODA

Priority Set Up in Selection of Equipment

1 Replacement of Equipment

Replacement of equipment, which is used in daily medical and/or teaching/training activities but aged and in poor condition

ex.) over 10 years old equipment,
discontinued medical equipment,
frequently repaired medical equipment,
inaccurate laboratory equipment
equipment insufficient in quantity, etc.

2 Supplement of Equipment

Supplementing the equipment of which the necessity can be justified by the expansion of medical and/or teaching/training activities.

Those equipment should be justified by condition of rehabilitation and renovation work of Damascus hospital, medical demands, leading diseases, personnel and so on.

3 Newly-Introduced Equipment

Introducing the equipment, which is essential in the hospital's medical and/or teaching/training activities and necessary in the increased or newly-established departments.

The following conditions should be practically satisfied .

readiness of facility,

medical demands,
technical level,
personnel,
budgetary plan of maintenance, etc.

Examples of Equipment to be Selected

- Equipment which is fundamental for medical activities of Damascus Hospital
- Equipment which is appropriate for technical level of Damascus Hospital
- Equipment which is appropriate for medical demands shown by the number of patients or tests in Damascus Hospital
- Equipment for which Damascus Hospital and/or MOH has appropriate budgetary plans for maintenance

Examples of Equipment to be Excluded from the Project

- Important requirement on request form
 - Urgent requirement No. 2 on request form
 - Equipment newly developed, and its reliability, effectiveness and maintenance cost have not been clearly determined
 - Equipment of which maintenance cost is so big that the sustainability would be obstructed
 - Equipment of which consumable, spare parts and maintenance services of manufacturer can not be provided in Syria
 - Consumable
 - Equipment for departments or rooms of which construction plans of Syrian side can not be clearly and practicably presented in the basic study phase
 - Equipment which violate the regulation or law of medical disposable and radiographic control
 - Equipment which expect low cost benefit
 - Duplication or overlapped equipment (Existing equipment and other donation)
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ON 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 (Preliminary 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 project made by the recipient country is examined by the Government of Japan (the Ministry of Foreign Affairs) to see whether or not it is suitable for Japan's Grant Aid. If the request is deemed suitable, the Government of Japan entrusts a study on the request to JICA (Japan International Cooperation Agency).

Secondly, JICA conducts the Study (Basic Design Study), using a Japanese consulting firm. If the background and objective of the requested project are not clear, a Preliminary Study is conducted prior to a Basic Design Study.

Thirdly, the Government of Japan appraises to see whether or not the Project is suitable for Japan's Grant Aid Program, based on the Basic Design Study report prepared by JICA and the result are submitted for approval by the Cabinet.

Fourthly, the Project approved by the Cabinet becomes official when pledged by the Exchange of Notes signed by both Governments.

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 Study (Preliminary Study / Basic Design study) conducted on a project requested by JICA is to provide a basic documents necessary for appraisal of the project by the Japanese Government. The contents of the Study are as follows:

- (a) to conform background, objectives, benefits of the project and also institutional capacity,
- (b) to evaluate appropriateness of the Project for the Grant Aid Scheme from a technical social and economical point of view,

- (c) to confirm items agreed on by both parties concerning a basic concept of the project,
- (d) to prepare a basic design of the project,
- (e) to estimate cost involved in the project.

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) Selecting (a) Consulting Firms(s)

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

The consulting firms(s) used for the study is (are) recommended by JICA to a recipient country after Exchange on Notes, in order to maintain technical consistency and also to avoid possible undue delay in implementation caused if a new selection process is repeated.

(3) Status of a Preliminary Study in the Grant Aid Program

A Preliminary Study is conducted during the second step of a project formulation & preparation as mentioned above.

A result of the study will be utilized in Japan to decide if the Project is to be suitable for a Basic Design Study.

Based on the result of the Basic Design Study, the Government would proceed to the stage of decision making process (appraisal and approval).

It is important to notice that at the stage of Preliminary Study, no commitment is made by the Japanese side concerning the realization of the Project in the scheme of Grant Aid Program.

3. Japan's Grant Aid Scheme

(1) What is Grant Aid?

The Grant Aid Program provides a recipient country with non reimbursable funds needed to procure facilities, equipment and services for economic and social development of the country under the following principles in accordance with relevant laws and regulations of Japan. The Grant Aid is not in a form of donation or such.

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(2) Exchange on Notes (E/N)

the Japan's Grant Aid is extended in accordance with the Exchange of Notes by both Governments, in which the objectives of the Project, period of execution, conditions and amount of the Grant, etc. are confirmed.

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(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

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Exchange of Notes, concluding a contract with (a) consulting firms(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 origin.

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

- (5) Necessity of the "Verification"

The Government of the recipient country or its designated authority will conclude into contracts in Japanese yen with Japanese nationals. Those contracts shall be verified by the Government of Japan. 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, the recipient country is required to undertake necessary measures such as the following:

- (a) to secure land necessary for the sites of the project and to clear and level the land prior to commencement of the construction work.
- (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,
- (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 facilities constructed and equipment purchased under the Grant Aid properly and effectively and to assign staff necessary for their operation and maintenance as well as to bear all expense other than those to be borne 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 an authorized foreign exchange bank in Japan (hereafter referred to as "the Bank"). The Government of Japan will execute the Grant Aid by making payment in Japanese yen to cover the obligations incurred by Government of the recipient country or its designated authority under the contracts verified.**
- (b) The payment 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.**

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Annex-IV

Necessary measures which shall be taken by the Government of Syria

- (1) To secure the completion of building rehabilitation work prior to the procurement of the equipment.
 - (2) To provide facilities for the distribution of electricity, water supply and drainage and other incidental facilities in and around the sites.
 - (3) To secure buildings prior to the procurement in case the installation of the equipment.
 - (4) 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.
 - (5) 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.
 - (6) Banking Arrangements (B/A)
 - a) The Government of the recipient country or its designated authority should open an account in the name of the Government of the recipient country in an authorized foreign exchanged bank in Japan (hereinafter referred to as "the Bank"). The Government of Japan 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. 24
 - b) The payments will be made when payment requests are presented by the Bank to the Government of Japan under authorization to pay issued by the Government of the recipient country or its designated authority. ke
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Annex-V

Contents of drawings

- (1) Outpatient Clinic and Laboratory (Present)**
- (2) Service Building (Present)**
- (3) Outpatient Clinic and Laboratory (Modified)**
- (4) Service Building (Modified)**
- (5) Hospital Main Building from basement to third floor. (Proposed)**

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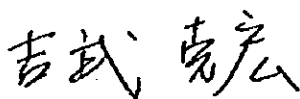
MINUTES OF DISCUSSIONS
ON
BASIC DESIGN STUDY
ON
THE PROJECT FOR IMPROVEMENT OF MEDICAL EQUIPMENT OF DAMASCUS
HOSPITAL
IN
THE SYRIAN ARAB REPUBLIC
(CONSULTATION ON DRAFT REPORT)

In September 1996, the Japan International Cooperation Agency (JICA) dispatched a Basic Design study team on the Project for Improvement of Medical Equipment of Damascus Hospital in the Syrian Arab Republic (hereinafter referred to as "the Project"), and through discussions, field survey, and technical examination of the results in Japan, the team has prepared the draft report of the study.

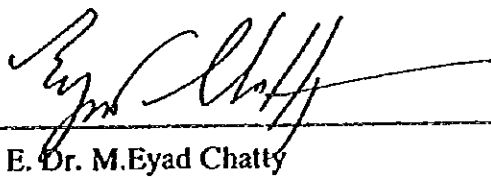
In order to explain and to consult the Syrian side on the components of the draft report, JICA sent to Syria a study team, which is headed by Dr. Katsuhiro YOSHITAKE, Bureau of International Cooperation, International Medical Center of Japan, Ministry of Health and Welfare, and is scheduled to stay in the country from December 11 to December 20, 1996.

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

Damascus, December 18, 1996



Dr. Katsuhiro Yoshitake
Leader
Draft Report Explanation Team
Japan International Cooperation Agency



H. E. Dr. M. Eyad Chatty
Minister
Ministry of Health
Government of the Syrian Arab Republic



Dr. Mohamed Dyrani
Director of Damascus Health Directorate

ATTACHMENT

1. Components of draft report

The Government of the Syrian Arab Republic has in principal agreed and accepted the components of the draft report proposed by the Team.

2. Items requested by the Government of the Syrian Arab Republic

The procurement of the equipment described in ANNEX-I, which finally requested by the Government of the Syrian Arab Republic is for the consideration by the Government of Japan to be provided under the Grant Aid.

The requested items shall be re-examined and referred to on finalizing the Basic Design Study Report.

3. Presentation of the Final Report

JICA will make the final report according to the confirmed items, and send it to the Government of the Syrian Arab Republic around March 1997.

4. Japan's Grand aid system

1) The Government of the Syrian Arab republic has understood the system of Japan's Grant Aid explained by the team. (See ANNEX-II)

2) The Government of the Syrian Arab Republic will take necessary measures, described in ANNEX-III for smooth implementation of the Project on condition that the Grant Aid by the Government of Japan is extended to the Project.

5. Monitoring of the Equipment Project

Damascus Hospital has the responsibility in monitoring progress of the Project based upon the indicators given in ANNEX - IV and reporting it to the JICA Syria Office annually through Hospital Coordination Office of the Ministry of Health.

6. Other Relevant Issues

1) Renovation Work

The Government of the Syrian Arab Republic will allocate the necessary budget for the Renovation Work. And will provide necessary information including Drawings, Work Schedule, those indicate contents and progress of renovation work to JICA for securing suitable and proper implementation of the project.

2) Upgrading of System Functions

The Japanese Mission will strongly suggest that;

KLF.

- 1- the Syrian Side will establish the system that differentiate between the out-patients and the emergency patients for all involved parties.
- 2- the Syrian Side shall take all measures to establish the access control system .
- 3- the Syrian side shall undertake the implementation of the proper delivery system for laboratory.
- 4- the Syrian side shall modify the emergency zone in order to secure more proper access to the emergency department.
- 5- The Syrian side shall modify the existing system in order to reduce the congestion of the Hospital.

3) System Development of the Hospital

- 1- Japanese side suggested Syrian side to take this opportunity as to formulate the project title as "Project for Improvement of Damascus Hospital Functions". (herein after define "the Hospital Improvement Project") (See ANNEX - V)
- 2- Japanese side suggested Syrian side that the Hospital Improvement Project should include whole programs and activities related to the upgrading of the hospital functions and improvement of the patient referral system within Damascus City and Damascus Suburb area.

4) Monitoring and Evaluation of the "Hospital Improvement Project"

- 1- To know the impact and efficiency of "Hospital Improvement Project," Japanese side suggested the Syrian side to analyze the several baseline indicators that show the current situation of the function of Damascus Hospital periodically.
- 2- Recommended indicators are as follows.

Statistics of the Damascus Hospital from 1991 to 1996

- Patient Number (Inpatient, Outpatient - Total / Each Department)
- Admission rate of general OPD (Total / Each Department)
- Admission rate of emergency OPD (Total / Each Department)
- Bed Occupancy Rate (Total/ Each Department)
- Mortality rate (Total / Each Department)
- Average Duration of Admission Day (Total / Each Department)
- Disease Pattern (Total / Each Department)
- Average Time being shared for a outpatient (Total / Each Department)

Questionnaire Study about

- Patient's Satisfaction (Outpatient and Inpatient, Department wise)
- Staff's Satisfaction

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Hospital Statistics in Damascus city and surroundings from 1991 to 1996 except for Damascus Hospital.

- Patient Number (Inpatient, Outpatient - Total / Each Department)
- Admission rate (Total / Each Department)
- Bed Occupancy Rate (Total)
- Mortality rate (Total / Each Department)
- Duration of Admission Day (Total / Each Department)

Annual statistics of Population from 1991 to 1996

- in Whole Nation
- in Damascus City
- in surrounding area

3- Japanese side suggested to Syrian side that indicators above mentioned should be checked three years after the installation of the equipment and five years after the implementation of the Damascus Hospital Project and be reported to the JICA Syria Office

4- Syrian side agreed the concept and the contents which mentioned in the following paragraph.

6-1),2),3),4)

5- Syrian side will carry out above mentioned activities and analysis for the improvement of the functions of the medical service system.

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ANNEX-I

EQUIPMENT LIST

Department name	No	Equipment Name	Qty	Previous Item No.
Gastrointestinal Dept	28	Colonoscope	2	29
	49	Endoscopy Cleaning Cart	1	34
	56	Gastroscope	3	30
	102	Scanner Ultrasonic General Purpose	1	31
	109	Sterilizing Unit Dry Heat	2	32
	111	Suction Unit	2	33
	130	Table for Endoscopy Equipment Cleaning	1	34

Department name	No	Equipment Name	Qty	Previous Item No.
ICU Dept	13	Bed Side Monitor	14	13 35 118
	16	Blood Gas Analyzer	1	36
	22	Central Monitor	2	14
	34	Defibrillator	2	37 119
	42	Electrocardiograph	4	17 38 120
	43	Electrolyte Analyzer	1	39
	57	Glucose Analyzer	4	18 40 121
	66	Infusion Pump	14	15 42
	94	ICU bed	14	
	115	Syringe Pump	14	16 43
	123	Ventilator	6	19 123

Department name	No	Equipment Name	Qty	Previous Item No.
Surgery Dept	57	Glucose Analyzer	2	172

Department name	No	Equipment Name	Qty	Previous Item No.
Ophthalmology Clinic	54	Eye Chart	1	135
	68	Keratometer	1	137
	71	Lensometer	1	138
	84	Ophthalmic Diagnostic Table Unit	1	401
	85	Ophthalmic Magnet	1	136
	86	Ophthalmoscope Direct	2	139
	87	Ophthalmoscope Indirect	1	140
	91	Perimeter	1	141
	100	Retinoscope	1	142
	106	Slit Lamp	1	143
	119	Trial Lens Set Ophthalmic	1	144

Department name	No	Equipment Name	Qty	Previous Item No.
Emergency Dept	13	Bed Side Monitor	4	501
	52	Examination Light	3	23
	66	Infusion Pump	4	504
	96	Radiographic Unit General Purpose	1	24
	109	Sterilizing Unit Dry Heat	1	25
	115	Syringe Pump	4	503
	123	Ventilator	1	502

Department name	No	Equipment Name	Qty	Previous Item No.
Chest Disease	73	Lung Function Testing Equipment	1	20
	131	Bronchoscope	1	

Department name	No	Equipment Name	Qty	Previous Item No.
Lab (Bacteriology)	25	Centrifuge Tabletop	2	45
	29	Constant Temperature Circulating Bath	1	52
	38	Distilling Unit	1	46
	69	Laboratory Autoclave	1	47

EQUIPMENT LIST

Department name	No	Equipment Name	Qty	Previous Item No.
Lab (Biochemistry)	8	Automatic Diluter	1	49
	29	Constant Temperature Circulating Bath	1	52
	44	Electrolyte Analyzer Na,K,Cl	1	53
	61	High Precision Analytical Balance	2	54
	69	Laboratory Autoclave	1	55
	92	Pipette Set	1	50
	107	Spectrophotometer /Visible	1	48
	128	Water Demineralizer	1	57

Department name	No	Equipment Name	Qty	Previous Item No.
Lab (Blood bank)	23	Centrifuge hematocrit	1	60
	25	Centrifuge Tabletop	1	61
	29	Constant Temperature Circulating Bath	2	64
	61	High Precision Analytical Balance	1	65
	69	Laboratory Autoclave	1	66
	92	Pipette Set	1	62
	98	Refrigerator Blood Bank	2	59

Department name	No	Equipment Name	Qty	Previous Item No.
Lab (Electrophoresis)	45	Electrophoresis Equipment	1	68

Department name	No	Equipment Name	Qty	Previous Item No.
Lab (Hematology)	14	Binocular Microscope	7	77
	15	Blood Cell Counter	1	73
	23	Centrifuge hematocrit	1	78
	27	Coagulometer	1	71
	29	Constant Temperature Circulating Bath	2	72
	38	Distilling Unit	1	58
	61	High Precision Analytical Balance	2	74
	69	Laboratory Autoclave	1	75
	92	Pipette Set	1	69

Department name	No	Equipment Name	Qty	Previous Item No.
Lab (Hormone)	8	Automatic Diluter	1	87
	9	Automatic Titration Device	1	80
	24	Centrifuge Refrigerated	1	85
	25	Centrifuge Tabletop	1	86
	29	Constant Temperature Circulating Bath	2	81
	61	High Precision Analytical Balance	2	82
	64	Incubator Laboratory Thermocycling	1	88
	69	Laboratory Autoclave	1	83
	79	Mixer Clinical Laboratory	1	89
	92	Pipette Set	1	79

Department name	No	Equipment Name	Qty	Previous Item No.
Lab (Immunology)	14	Binocular Microscope	1	96
	29	Constant Temperature Circulating Bath	2	92
	61	High Precision Analytical Balance	2	93
	69	Laboratory Autoclave	1	94
	92	Pipette Set	1	90
	109	Sterilizing Unit Dry Heat	1	97

Department name	No	Equipment Name	Qty	Previous Item No.
Lab (Pathology)	10	Balance Electronic	2	113
	11	Bath Paraffin	1	114
	14	Binocular Microscope	1	110

EQUIPMENT LIST

	29	Constant Temperature Circulating Bath	1	100
	33	Deep Freezer	1	111
	61	High Precision Analytical Balance	2	101
	63	Histology Staining Station	1	102
	69	Laboratory Autoclave	1	103
	76	Microtome (Rotary)	1	104
	77	Microtome (Sledge)	1	105
	78	Microtome Cryostat	1	115
	90	Paraffin Oven	1	106
	92	Pipette Set	1	98
	93	Pipette Washer	1	107
	103	Shaker for Tissue Fixation	1	108
	105	Slide Warmer	1	109
	118	Tissue Processor	1	116
	129	Wax Dispenser	1	112

Department name	No	Equipment Name	Qty	Previous Item No.
Sterilization Dept	55	Gas Sterilizer	1	166
	62	High Pressure Steam Sterilizer	3	167
	121	Ultrasonic Cleaner	1	169
	127	Washing Machine for Instrument	1	170
	136	Disinfector for Medical Waste	1	

Department name	No	Equipment Name	Qty	Previous Item No.
Dental Clinic	36	Dental Chair Unit	1	21
	46	Electrosurgical Unit Dental	1	22
	132	Dental X-ray unit	1	

Department name	No	Equipment Name	Qty	Previous Item No.
ENT Clinic	6	Audiometer	1	26
	50	ENT Treatment Unit	1	28
	74	Magnifier	1	27

Department name	No	Equipment Name	Qty	Previous Item No.
Pediatric Dept	17	Blood Warmer	1	152
	52	Examination Light	1	155
	57	Glucose Analyzer	1	153
	58	Head Box	10	154
	82	Nebulizer	4	156
	95	Pulse Oximeter	4	158
	108	Sterilizer for Nursing Bottle	2	168
	124	Ventilator Neonatal	4	157

Department name	No	Equipment Name	Qty	Previous Item No.
Cardiology Dept	35	Defibrillator	1	10
	42	Electrocardiograph	1	9
	101	Scanner Ultrasonic Cardiac	1	12

Department name	No	Equipment Name	Qty	Previous Item No.
Neurosurgery Ward	41	EEG	1	126
	52	Examination Light	1	131

Department name	No	Equipment Name	Qty	Previous Item No.
Burns Plastic Surgery Dept	18	Burns Bath	1	5
	72	Lower Air Loss Bed	3	8
	51	Refrigerator for skin bank	1	7

EQUIPMENT LIST

Department name	No	Equipment Name	Qty	Previous Item No.
Urology Clinic	102	Scanner Ultrasonic General Purpose	1	182
	109	Sterilizing Unit Dry Heat	1	183

Department name	No	Equipment Name	Qty	Previous Item No.
Artificial Kidney Unit	60	Hemodialysis Unit	3	3
	109	Sterilizing Unit Dry Heat	1	4
Morgue Unit	80	Morgue Refrigerator	1	117
Physical Therapy Dept	12	Bath Praffin Clinical	1	159
	53	Exerciser Neck	2	160
	59	Heating Unit Hot Pack	2	161
	65	Infrared Light	8	162
	81	Muscle Stimulator	3	163
	104	Short Wave Physical Therapy	1	164
X-ray Dept	122	Ultrasound Physical Therapy	3	165
	132	Radiographic & Floroscopic Unit General Purpose	2	183
	133	Film Processor	1	

Department name	No	Equipment Name	Qty	Previous Item No.
Training Equipment	3	Air Way Management Trainer (child)	2	188
	134	Air Way Management Trainer (adult)	5	
	7	Auto Ventilator	4	193
	30	CPR Mannequin (child)	2	187
	135	CPR Mannequin (adult)	5	
	31	CPR Mannequin with Monitor	1	186
	39	Dressing Emergency Bag	4	192
	48	Emergency Injuries Model	4	190
	67	IV Trainer Arm	4	189
	99	Resuscitation Emergency Bag	4	191

Department name	No	Equipment Name	Qty	Previous Item No.
Teaching Equipment	5	Video Projector	2	200
	19	Carousel Slide Projector	4	194
	89	Overhead projector	4	195
	120	TV Set	5	199
	125	VHS Movie Camera	2	198
	126	VHS Video Cassette Recorder	5	197

Department name	No	Equipment Name	Qty	Previous Item No.
Operation Word	1	Air Pressure Drill	1	147
	2	Air Pressure Oscillating Saw	1	148
	4	Anaesthesia Unit	12	125 176
	20	Cast Cutter	1	146
	26	Coagulator	1	130
	32	Cystoscope	1	184
	37	Dermatome Electric	1	6
	40	ECG Monitor	12	1 11
	47	Electrosurgical Unit General Purpose	12	127 149 171 177
	51	Equipment for Skin Bank	1	7
	83	Operating Light	12	128 134 150 178
	97	Radiographic Unit Mobile	1	132
	109	Sterilizing Unit Dry Heat	3	124 173 179
	110	Suction Unit	12	180
	112	Surgical Microscope	1	2
	114	Surgical Microscope	1	129
	116	Table Operating	12	133 151 181 145
	117	Thoracendoscope	1	175

ON 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 Preliminary Study and 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) First an application or a request for a project made by the recipient country will be examined by the Government of Japan (the Ministry of Foreign Affairs) to see whether it is suitable for Japan's Grant Aid. If the request deemed suitable, the Government of Japan entrusts a study on the request to JICA (Japan International Cooperation Agency).

Second, JICA conducts the Study (Basic Design Study), using a Japanese consulting firm. If the background and objective of the requested project are not clear, a Preliminary Study will be conducted before a Basic Design Study.

Third, the Government of Japan appraises to see whether the Project is suitable for Japan's Grant Aid Program, based on the Basic Design Study report prepared by JICA and the result is submitted for approval by the Cabinet.

Fourth, the Project approved by the Cabinet becomes official when pledged by the Exchange on Notes signed by both Governments.

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 Study (Preliminary Study and Basic Design study) conducted on a requested project by JICA is to provide basic documents necessary for appraisal of the project by the Japanese Government. The contents of the Study are as follows:

- (a) to confirm background, objectives, benefits of the project and also institutional capacity,
- (b) to evaluate appropriateness of the Project for the Grant Aid Scheme from a technical social and economical points of view,
- (c) to confirm items agreed on by both parties concerning a basic concept of the project,
- (d) to prepare a basic design of the project,
- (e) to estimate cost involved in the project.

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 itemized on Exchange of Notes.

(2) Selecting (a) Consulting Firms(s)

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

The consulting firms(s) used for the study recommended by JICA to a recipient country after Exchange on Notes, to maintain technical consistency and to avoid possible undue delay in implementation caused, If a new selection process repeated.

(3) Status of a Preliminary Study in the Grant Aid Program

A Preliminary Study conducted during the second step of a project formulation & preparation as mentioned above.

A result of the study will utilize in Japan to decide if the Project is to be suitable for a Basic Design Study.

Based on the result of the Basic Design Study, the Government would proceed to the stage of decision making process (appraisal and approval).

At the stage of Preliminary Study, It is important to notice that no commitment made by the Japanese side concerning the realization of the Project in the scheme of Grant Aid Program.

3. Japan's Grant Aid Scheme

(1) What is Grant Aid?

The Grant Aid Program provides a recipient country with non reimbursable funds needed to procure facilities, equipment and services for economic and social development of the country under the following principles according to relevant laws and regulations of Japan. The Grant Aid is not in a form of donation or such.

(2) Exchange of Notes (E/N)

The Japan's Grant Aid extended in accordance with the Exchange of Notes by both Governments, in which the objectives of the Project, period of execution, conditions and amount of the Grant, etc. confirmed.

(3) "The period of the Grant Aid" means one Japanese fiscal year that the Cabinet approves the Project for. Within the fiscal year, all procedure such as Exchange of Notes, concluding a contract with (a) consulting firms(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 use for the purchase of products or services of a third country origin.

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

(5) Necessity of the "Verification"

The Government of the recipient country or its designated authority will conclude contracts in Japanese yen with Japanese nationals. Those contracts shall be

verified by the Government of Japan. The "Verification" 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, the recipient country is required to undertake necessary measures such as the following:

- (a) to secure land necessary for the sites of the project and to clear and level the land prior to commencement of the construction work.
- (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,
- (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 required to maintain and use facilities constructed and equipment purchased under the Grant Aid properly and effectively and to assign staff necessary for their operation and maintenance as well as to bear all expense other than those to be borne 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 an authorized foreign exchange bank in Japan (hereafter referred to as "the Bank"). The Government of Japan will execute the Grant Aid by making payment in Japanese yen to cover the obligations incurred by Government of the recipient country or its designated authority under the contracts verified.
- (b) The payment 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.

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ANNEX-III Necessary measures which shall be taken by the Government of Syria

(1) To secure the completion of building rehabilitation work prior to the procurement of the equipment

(2) To provide facilities for the distribution of electricity, water supply and drainage and other incidental facilities in and around the sites

(3) To secure buildings prior to the procurement in case the installation of the equipment

(4) To ensure all the expenses and prompt execution for unloading, customs clearance at the port of disembarkation and internal transportation of products purchased under the Grand Aid.

(5) 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 contract

(6) Banking Arrangements (B/A)

a) The government of the recipient country or its designated authority should open an account in the name of the Government of the recipient country in an authorized foreign exchanged bank in Japan (hereinafter referred to as "the Bank"). The Government of Japan 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 Verified Contracts.

b) the payments will be made when payment requests are presented by the Bank to the Government of Japan under authorization to pay issued by the Government of the recipient country or its designated authority.

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ANNEX-IV Monitoring and Reporting of the Project

Damascus Hospital will collect necessary indicator for analyzing the Improvement of Hospital Functions.

The following indicators should be reported to JICA Syria Office by Damascus Hospital through the Hospital coordination Office of the Ministry of Health.

- Annual statistics of Population in Damascus and surrounding area
- Hospital Statistics in Damascus city and surroundings
 - Patient Number (Inpatient, Outpatient - Total / Each Department)
 - Admission rate (Total / Each Department)
 - Mortality rate (Total / Each Department)
 - Duration of Admission Day (Total / Each Department)
 - Disease Pattern (Total / Each Department)
 - Treatment Hours for Outpatient (Total / Each Department)
- Equipment Data
 - No. of Examination, Periodical Maintenance Report, Equipment Layout

For the confirmation of Renovation work progress, HCO shall provide following information to JICA.

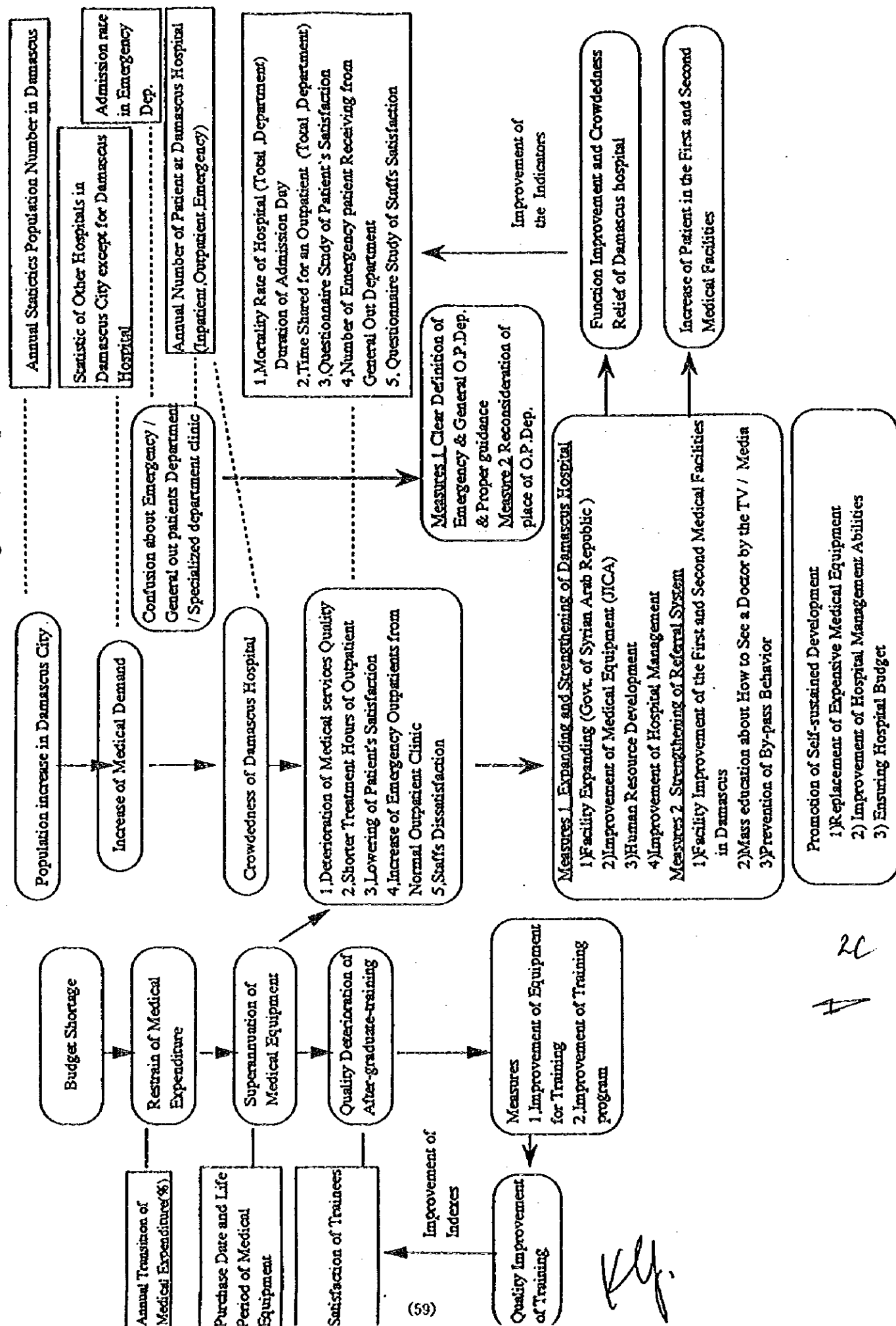
- January - Detail Building Plan
- February- Budget and Detail work schedule
- Monthly work progress report

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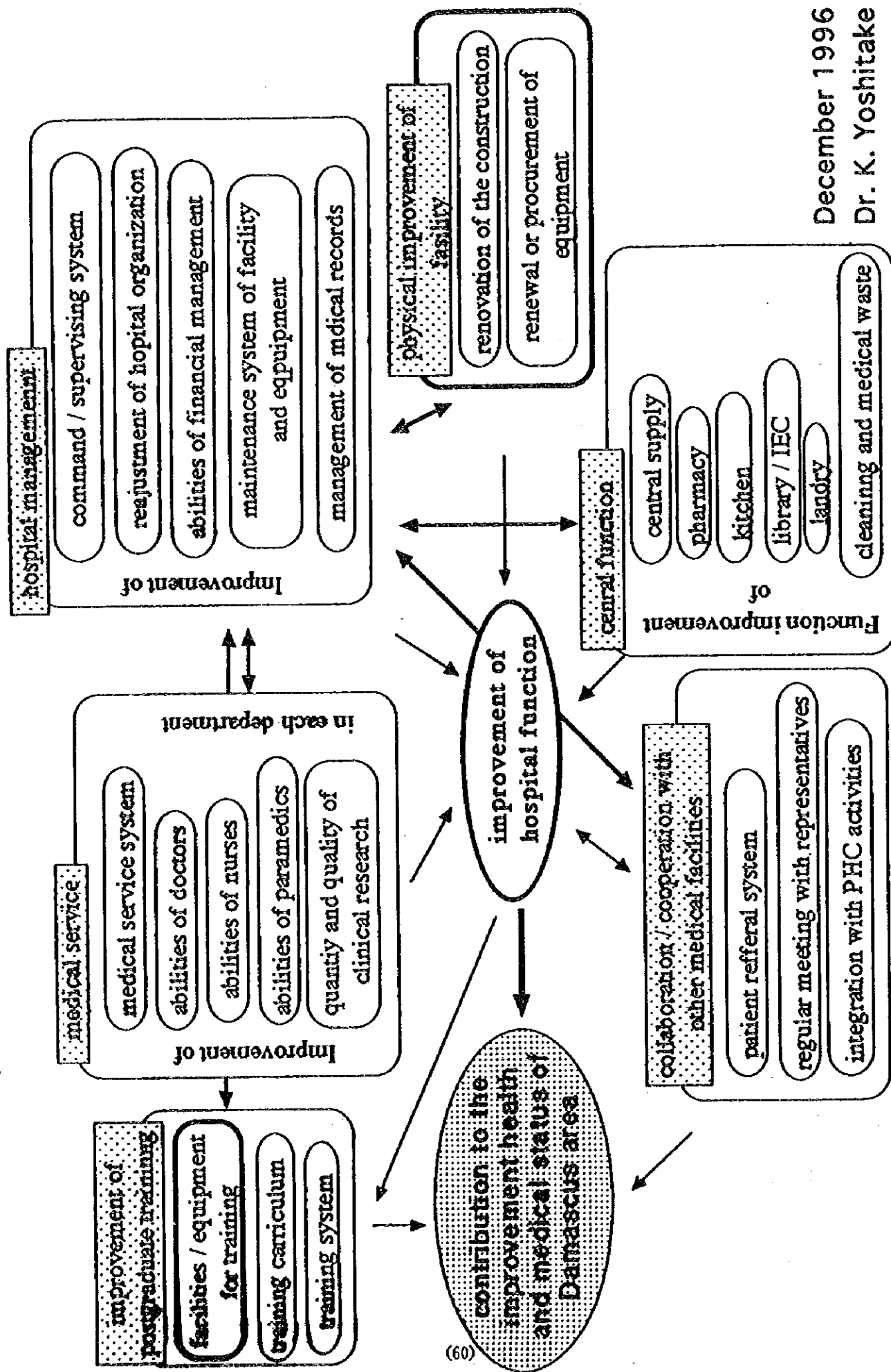
The Project for Improvement of the Hospital Function in Damascus Hospital

Grant in Aid Program (Concept Chart of JICA)



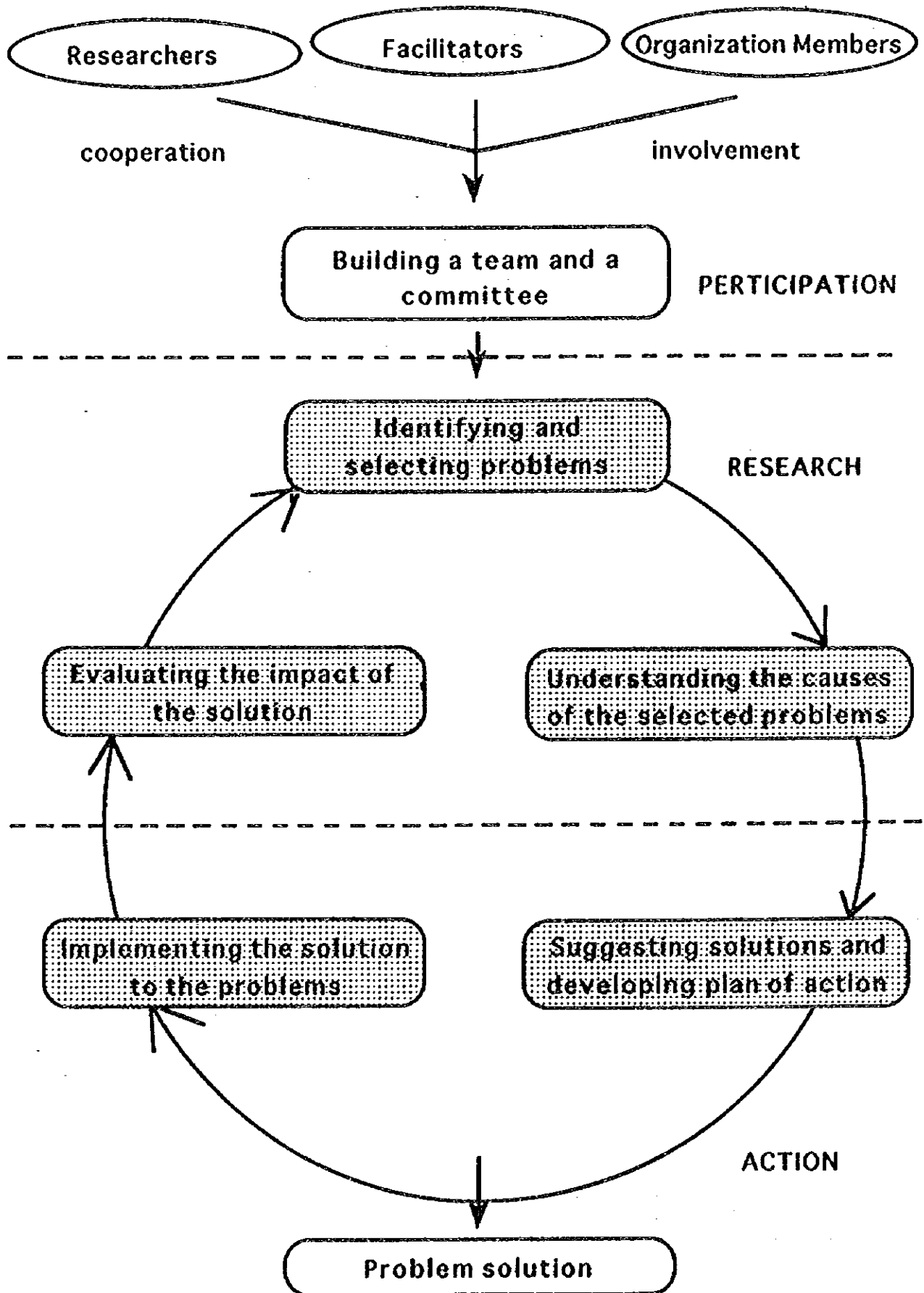
7. プロジェクト概念説明図

Project for Improvement of Damascus Hospital Function



December 1996
Dr. K. Yoshitake

図2) 参加型アクションリサーチのプロセス



JICA