

## **APPENDICES**

## Appendix - 1

## Members of the Survey Team

## (1) Basic Design Survey Team

Title	Name	Organization
1) Team Leader	Mr. Takeshi NARUSE	Director, First Project Study Division, Grant Aid Project Study Department, Japan International Cooperation Agency (JICA)
2) Technical Advisor	Dr. Hiroshi OHMAE	Bureau of International Cooperation, International Medical Center of Japan, Ministry of Health and Welfare
3) Project Coordinator	Mr. Yodo KAKUZEN	First Project Study Division, Grant Aid Project Study Department, Japan International Cooperation Agency (JICA)
4) Project Manager/ Operation & Maintenance Planner	Mr. Tatsuro NAKAJIMA	Binko Ltd.
5) Equipment Planner	Mr. Yoshihiro KANEKO	Binko Ltd.
6) Facility Planner	Mr. Mitsuhiro NASU	Binko Ltd.
7) Procurement Planner/ Cost Estimator	Mr. Takashi OGAWA	Binko Ltd.

## (2) Draft Explanation Survey Team

Title	Name	Organization
1) Team Leader	Dr. Osamu KUNII	Bureau of International Cooperation, International Medical Center of Japan, Ministry of Health and Welfare
2) Project Coordinator	Mr. Yodo KAKUZEN	First Project Study Division, Grant Aid Project Study Department, Japan International Cooperation Agency (JICA)
3) Project Manager/ Operation & Maintenance Planner	Mr. Tatsuro NAKAJIMA	Binko Ltd.
4) Equipment Planner	Mr. Hiroaki NARITA	Binko Ltd.

Appendix - 2

(1) Basic Design Survey Schedule

Team Members

A	Team Leader	Government Official
B	Technical Advisor	Government Official
C	Project Coordinator	Government Official
D	Project Manager	Consultant
E	Equipment Planner	Consultant
F	Facility Planner	Consultant
G	Procurement Planner	Consultant

Days	Date	Schedule	Stay at	Members
1	Sept. 16 (Tue)	Leave Narita → Frankfurt	Frankfurt	ABCDEF
2	Sept. 17 (Wed)	→ Arrive Tel Aviv (LH686) Arrive at hotel Courtesy Call at the Japanese Embassy	Tel Aviv	ABCDEF
3	Sept. 18 (Thu)	Courtesy Call at Ministry of Health (MOH) in Nablus	Tel Aviv	ABCDEF
4	Sept. 19 (Fri)	Check out at the hotel Arrive at the Jerusalem Hotel Survey on New Jericho Hospital	Jerusalem	ABCDEF
5	Sept. 20 (Sat)	Courtesy Call at MOPIC Courtesy Call at MOH Visit SI-FA Hospital	Jerusalem	ABCDEF
6	Sept. 21 (Sun)	Survey on Watani Hospital Survey on Rafidia Hospital	Jerusalem	ABCDEF
7	Sept. 22 (Mon)	Survey on Jenin Hospital Survey on Tulkarem Hospital	Jerusalem	ABCDEF
8	Sept. 23 (Tue)	Survey on Beit Jala Hospital Survey on local agents of medical equipment	Jerusalem	ABCDEF
9	Sept. 24 (Wed)	Survey on Bethlehem Mental Hospital Survey on Hebron Hospital Internal meeting	Jerusalem	ABCDEF
10	Sept. 25 (Thu)	Survey on Ramallah Hospital Survey on Central Workshop Leave Narita → Frankfurt	Jerusalem Frankfurt	ABCDEF G

Days	Date	Schedule	Stay at	Members
11	Sept. 26 (Fri)	Internal meeting Frankfurt → Tel Aviv	Jerusalem	G
12	Sept. 27 (Sat)	Visit Makassed Hospital Internal meeting	Jerusalem	ABCDEFGF
13	Sept. 28 (Sun)	Survey on transportation companies Survey on hospitals handling PHC Internal meeting Minutes Conclusion with MOH	Jerusalem	ABCDEFGF
14	Sept. 29 (Mon)	Tel Aviv → Frankfurt (government officials return to Japan) Survey on Jenin Hospital again	Frankfurt	ABC
15	Sept. 30 (Tue)	Survey on Watani Hospital again	Jerusalem	DEFG
16	Oct. 1 (Wed)	Survey on Ramallah Hospital again	Jerusalem	DEFG
17	Oct. 2 (Thu)	Survey on Beit Jala Hospital again	Jerusalem	DEFG
18	Oct. 3 (Fri)	Documents arrangement	Jerusalem	DEFG
19	Oct. 4 (Sat)	Survey on Tulkarem Hospital again	Jerusalem	DEFG
20	Oct. 5 (Sun)	Survey on Rafidia Hospital again	Jerusalem	DEFG
21	Oct. 6 (Mon)	Survey on Bethlehem Mental Hospital again Survey on Maintenance Shop in Ramallah again	Jerusalem	DEFG
22	Oct. 7 (Tue)	Survey on Hebron Hospital again	Jerusalem	DEFG
23	Oct. 8 (Wed)	Survey on local agents of medical equipment Discussion with Deputy Minister of MOH	Jerusalem	DEFG
24	Oct. 9 (Thu)	Survey on Rafidia Hospital again Survey on Tulkarem Hospital again	Jerusalem	DEFG
25	Oct. 10 (Fri)	Documents arrangement	Jerusalem	DEFG
26	Oct. 11 (Sat)	Internal meeting & documents arrangement	Jerusalem	DEFG
27	Oct. 12 (Sun)	Collection of data	Jerusalem	DEFG
28	Oct. 13 (Mon)	Collection of data Tel Aviv → Paris (Survey on procured equipment made in a third country)	Jerusalem Paris	DEF G
29	Oct. 14 (Tue)	Survey on Maintenance Shop in Ramallah again France → Germany	Jerusalem Germany	DEF G

Days	Date	Schedule	Stay at	Members
30	Oct. 15 (Wed)	Report to the Japanese Embassy in Israel	Jerusalem	DEF
		Survey of procured equipment in Germany	Germany	G
31	Oct. 16 (Thu)	Survey on Maintenance Shop in Ramallah again	Jerusalem	DEF
		Courtesy call on Deputy Minister of MOH Survey in Germany	Germany	G
32	Oct. 17 (Fri)	Internal meeting	Jerusalem	DEF
		Survey in Germany	Germany	G
33	Oct. 18 (Sat)	Check out at the hotel	Frankfurt	DEF
		Fact-finding tour at New Jericho Hospital		
		Tel Aviv → Frankfurt Frankfurt → Narita		G
34	Oct. 19 (Sun)	Frankfurt → Narita		DEF
		Arrive at Narita		G
35	Oct. 20 (Mon)	Arrive at Narita		DEF

## (2) Draft Explanation Survey Schedule

## Team Members

A	Team Leader	Government Official
B	Project Coordinator	Government Official
C	Project Manager	Consultant
D	Equipment Planner	Consultant

Days	Date	Schedule	Stay at
1	Dec. 8 (Mon.)	Leave Narita → Paris (NH205)	Paris
2	Dec. 9 (Tue.)	Paris → Tel Aviv (AF1992) Courtesy Call at the Japanese Embassy	Tel Aviv
3	Dec. 10 (Wed.)	Discussion at Ministry of Health (MOH) in Nablus Survey on Rafidia Hospital Survey on Watani Hospital	Jerusalem
4	Dec. 11 (Thur.)	Courtesy Call on Minister of Health in Ramallah Survey on Ramallah Hospital Survey on Jericho Hospital	Jerusalem
5	Dec. 12 (Fri.)	Internal meeting	Jerusalem
6	Dec. 13 (Sat.)	Survey on Beit Jala Hospital Survey on Bethlehem Hospital Visit Hebron Hospital	Jerusalem
7	Dec. 14 (Sun.)	Survey on Jenin Hospital Survey on Tulkarem Hospital	Jerusalem
8	Dec. 15 (Mon.)	Discussion and signing on Minutes of Meeting at MOH (Nablus)	Jerusalem
9	Dec. 16 (Tue.)	Report to the Japanese Embassy Tel Aviv → Paris (AF1993)	Paris
10	Dec. 17 (Wed.)	Paris → (NH206)	
11	Dec. 18 (Thur.)	→ Tokyo	

## Appendix - 3

## List of Participants in Palestine

Name	In charge
Mr. Waled A. Siam	Director General of International Cooperation, MOPIC
Mrs. Leila Aranki Tarzi	Director of International Cooperation, MOPIC
Mr. Haithan Abu Shaabau	Assistant Director General, MOPIC
Miss. Ghada Terawi	Assistant Deputy Director General, MOPIC
Dr. Riyad Al-Zanoun M.D.	Minister of Health, MOH
Dr. Naseem Abu Tamie	Director of International Cooperation Department, MOH
Dr. Munzer Sharif	Deputy Minister of Health, MOH
Dr. Musa Abu Hmeid	General Director of Hospital, MOH
Eng. Mohammed Abu Ajamie	Director of Engineering of Maintenance Dept., MOH
Dr. Abu Ghali Mohamed	Director of Jenin Hospital
Dr. Ahmed Abu Baver	Director of Tulkarem Hospital
Dr. Awan W. Masrs	Director of Watani Hospital
Dr. Earouk Hammad	Director of Rafidia Hospital
Dr. Abdellah Mhasien	Deputy Director of Ramallah Hospital
Dr. Sawh Hasan	Director of Beit Jala Hospital
Dr. Yosef Se Sharawi	Director of Hebron Hospital
Dr. Mahd Geddah	Director of Jericho Hospital
Miss Ghada Soufam	Local Consultant for MOH
Mr. K. Shoji	First Secretary, the Japanese Embassy in Israel
Mr. K. Hayashi	Second Secretary, the Japanese Embassy in Israel
Mr. K. Sato	Third Secretary, the Japanese Embassy in Israel
Dr. Samir Kmayyaj	Deputy Director of Watani Hospital
Mrs. Maie Mijawi	Engineer of Watani Hospital
Dr. Musam Tawhari M.D.	Deputy Director of Rafidia Hospital
Mr. Mohammed Anean	Assistant Engineer of Rafidia Hospital
Mr. Alueddio O. Abuzant	Lab Tech of Rafidia Hospital
Dr. A. Karim Nasif	Surgeon of Tulkarem Hospital
Mr. Salem Kifaneh	Administrator of Tulkarem Hospital
Mr. Hantash Hani	Hospital Engineer of Tulkarem Hospital

Name	In charge
Dr. Sawih Hasan	Deputy Director of Beit Jala Hospital
Dr. Ali Rumahy	Cardiologist of Beit Jala Hospital
Mrs. Suad Musleh	
Mr. Bisher Barmrrah	Engineer of Beit Jala Hospital
Mrs. Miracle Sabs Rabhs	Laboratory Section, Beit Jala Hospital
Dr. M. Mujahed	Director of Bethlehem Mental Hospital
Mrs. Najwa N. Araj	Administrator of Bethlehem Mental Hospital
Dr. Namourah A. Raheeu	Deputy Director of Hebron Hospital
Mr. Wael Amro	Engineer of Hebron Hospital
Dr. Faisal N. Jshtawi	Chief of Surgery of Ramallah Hospital
Mr. Abucemmouch Talin	Maintenance Engineer of Ramallah Hospital



**MINUTES OF DISCUSSIONS  
ON  
THE BASIC DESIGN STUDY  
ON  
THE PROJECT FOR IMPROVEMENT OF MEDICAL EQUIPMENT  
FOR THE HOSPITALS IN WEST BANK  
PALESTINE**

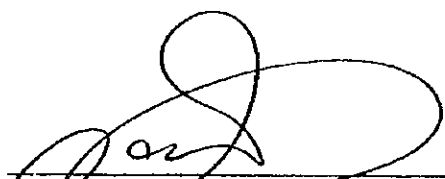
In response to the request from the Palestinian Authority, the Government of Japan decided to conduct a Basic Design Study on the Project for Improvement of Medical Equipment for the Hospitals in West Bank, Palestine (hereinafter referred to as "the Project" ), and entrusted the study to the Japan International Cooperation Agency(JICA).


JICA sent to Palestine a study team (hereinafter referred to as "the Team" ), which is headed by Mr.Takeshi NARUSE, Director, First Project Study Division, Grant Aid Project Study Department, JICA, and is scheduled to stay in the country from September 17 to October 19, 1997.

The Team held discussions with officials concerned of the Palestinian Authority and conducted field surveys of the hospitals concerned.

In the course of the discussions and field surveys, 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.

Ramallah, September 28 , 1997

  
\_\_\_\_\_  
Mr. Takeshi NARUSE  
Leader,  
Basic Design Study Team, JICA

  
\_\_\_\_\_  
Dr. Munzer Sharif  
Deputy Minister,  
Ministry of Health  
Palestinian Authority



## ATTACHMENT

### 1. Objective

The objective of the Project is to improve the medical services of 8 hospitals in West Bank through procurement of medical equipment by Japan's Grant Aid.

### 2. Project Sites

Hospitals in West Bank listed below (Location map is in Annex 1)

Jenin Hospital  
Tulkarem Hospital  
Watani Hospital  
Rafidia Hospital  
Ramallah Hospital  
Bethlehem Hospital  
Beit Jala Hospital  
Hebron Hospital

### 3. Responsible and Executing Organization.

The Ministry of Health , Palestinian Authority

### 4. Items requested by the Palestinian Authority.

After discussions with the Team, the items listed in ANNEX 2 were finally requested by the Palestinian Authority.


However, the final items included in Grant Aid will be decided after further studies.

### 5. Japan's Grant Aid System

- (1) The Palestinian Authority has understood the system of Japan's Grant Aid as described in Annex 4.
- (2) The Palestinian Authority will take necessary measures, as described in Annex 5 for smooth implementation of the Project, on condition that the Grant Aid by the Government of Japan is extended to the Project.

### 6. Schedule of the Study

- (1) The consultants will proceed to further studies in Palestine until October 19, 1997.
- (2) JICA will prepare a draft basic design report in English and dispatch it to the Palestinian National Authority in order to explain its contents around December, 1997.

  
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Ministry Of Health  
**Dr. Munzer Sharif**  
Deputy Minister Of Health

(3) In case the contents of the draft report is accepted in principle by the Palestinian Authority, JICA will complete the final report and send it to the Palestinian Authority around March, 1998.

#### 7. Reply to the questionnaire

Palestinian side will submit the reply to the questionnaire by October 18, 1997 to the Team.

#### 8. Other Relevant Issues

(1) The points agreed by both parties

1) The basic criteria for selection of equipment and the classification of 8 hospitals are attached in Annex 3.

2) Effective use of existing equipment

Concerning the supply of central monitor system of ICU to Watani Hospital, the existing bed-side monitors at Watani Hospital should be shifted to Rafidia Hospital in order to make use of the still usable equipment.

And for the same reason, if the echocardiography machine will supply to Ramallah Hospital, the existing echocardiography machine at Ramallah Hospital should be shifted to Beit Jala Hospital.

(shifting is out of Japan's grant aid).

3) The description for some items has been slightly modified for clarity wherever needed.

4) Wherever various levels of application and/or specifications for an item may be needed, sub-items had been introduced.

5) Wherever a new item was found necessary compare with the latest equipment list requested by Palestinian Authority, it was added to the list under a new number and description.

(2) The points emphasized by Palestinian side for special consideration as follows,

1) Watani Hospital

Because ICU facility will be extended from 4 to 6 beds, central monitoring system shall be supplied for its better function.

Palestinian National Authority  
Ministry Of Health  
**Dr. Munzer Sharif**  
Deputy Minister Of Health

2) Tulkarem Hospital

Kitchen equipment shall be supplied to the new building which is under construction by UNDP/JAPAN Cooperation.

3) Rafidia Hospital

The laundry unit shall be supplied to Rafidia Hospital which will be as a urgent laundry center in the West Bank under political situation.

4) Hemodialysis machines

For the purpose of replacement of existing hemodialysis machines which are depended by the large number of kidney disease patients, 22 hemodialysis machines shall be given the highest priority other than any requirements(hospitals required are as follows).

	Total	Priority A	Priority B
for Watani Hospital	: 2 units	2 units	
for Ramallah Hospital	: 10 units	8 units	2 units
for Hebron Hospital	: 10 units	8 units	2 units

5) Technical Cooperation

Staff training activities for operation & maintenance of the sophisticated equipment are requested as a part of grant aid implementation.

6) Concerning the phasing of the Project mentioned below, Palestinian side requested that the basic radiology machines and hemodialysis machines should be supplied in phase I.

(3) The points proposed by the Team

1) Provision of workshop tools for maintenance

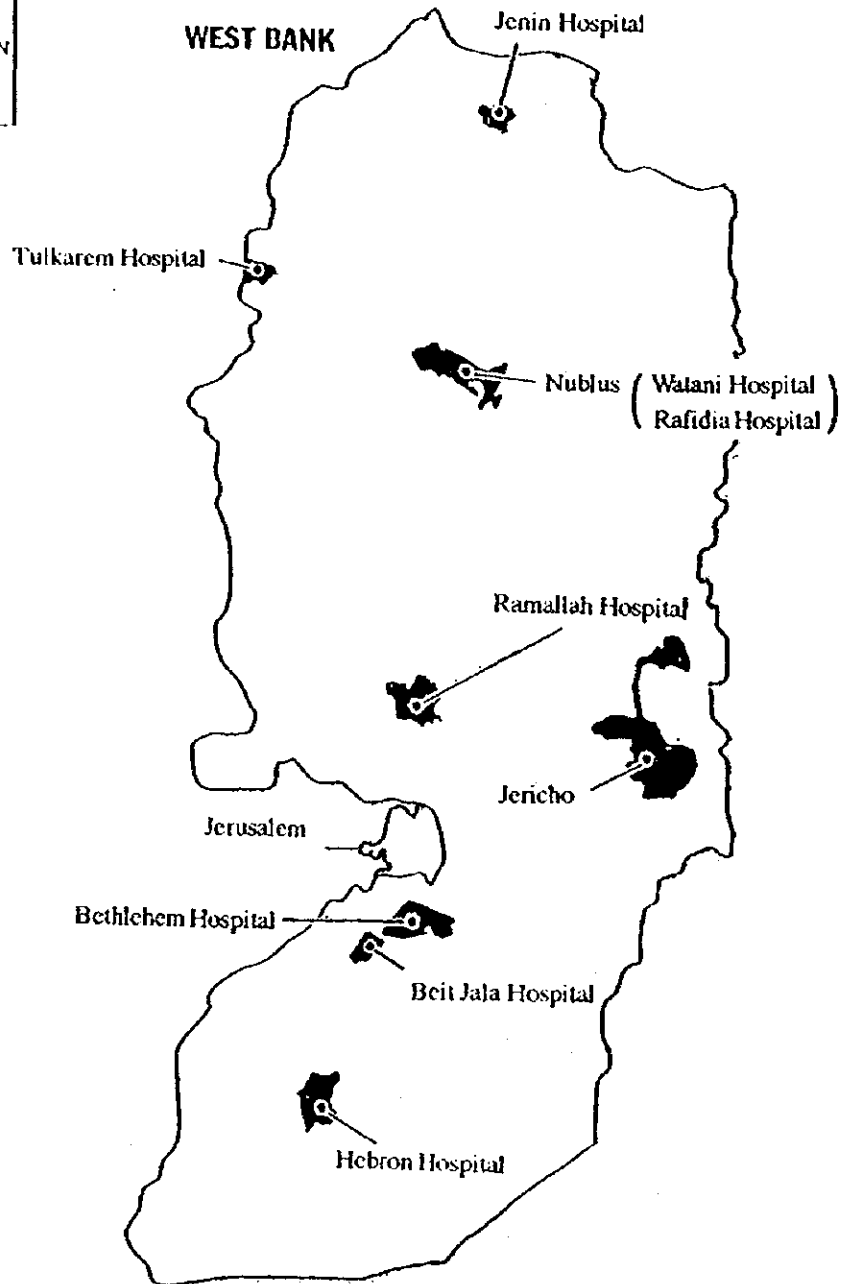
Concerning the effective function of maintenance workshop, necessary tools may be supplied to the central workshop of the MOH in Ramallah.

2) Phasing of the Project

Grant aid implementation will be carried out in two phases 1997 and 1998 due to the financial reason in Japanese side. And the equipment which need longer period for procurement and installation might be included in the second phase.

The detail of implementation schedule will be explained when the draft explanation team for the Basic Design is despatched to Palestine around December, 1997.

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Ministry Of Health  
Dr. Munzir Sharif  
Deputy Minister Of Health



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Ministry Of Health  
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Deputy Minister Of Health

2

Item No	Department	Description	Priority			
			A	B+	B	C
JN- 7	Cardiology	Holter Monitor				1
JN- 8	Cardiology	Holter Analyzer				1
JN- 140	Cardiology	Treadmill machine				1
JN- 9	CSSD	Autoclave, (250 L w/ steam generator)	1			
JN- 10	CSSD	Ultrasonic cleaner unit	1			
JN- 11	CSSD	Drying machine				1
JN- 12	CSSD	Tube Washing Machine	1			
JN- 13	CSSD	Sealing Machine	1			
JN- 14	CSSD	Water Softener for Sterilizer	1			
JN- 144	Emergency	Patient Trolley				5
JN- 23	Endoscopy	Laparoscope			1	
JN- 24	Endoscopy	Gastroscope	1			
JN- 26(A)	Endoscopy	Sigmoidoscope	1			
JN- 27(A)	Endoscopy	Arthroscope				1
JN- 33	General	E.C.G. One Channel	1			1
JN- 34	General	Suction Mobil	1			2
JN- 36	General	Instrument cabinet				2
JN- 38	Gyn. Obst.	Vacuum Extractor	1			1
JN- 39	Gyn. Obst.	Fetal Monitor	2			
JN- 40	Gyn. Obst.	Obstetric Delivery table	1			
JN- 42	ICU	ICU Bed				2
JN- 43	ICU	Electrocardiograph, 3 channels	1			1
JN- 44	ICU	Ultrasonic Nebulizer				2
JN- 46	ICU	Syringe Pump				4
JN- 47	ICU	Respirator for Adult				1
JN- 49	ICU	Defibrillator	1			
JN- 50	ICU	Blood Gas Analyzer				1
JN- 51	ICU	External Pacemaker	1			
JN- 52	ICU	Pulse Oximeter	3			
JN- 53	ICU	Blood Pressure Meter, Automatic/Electric measures	1			1
JN- 41(A)	ICU	Central Monitoring System for 5 beds				1
JN- 48(B)	ICU	Respirator for Adult/child	2			
JN- 56	Kitchen	Kitchen equipment set				1
JN- 75	Laboratory, B Bank	Water Distiller (automatic) 4L/h	1			
JN- 76	Laboratory, B Bank	Blood Donor's Chair				1
JN- 77	Laboratory, B Bank	Hematology (Blood) Cell Counter	1			
JN- 79	Laboratory, B Bank	Centrifuge up to 12000rpm	1			
JN- 80	Laboratory, B Bank	Binocular Microscope	1			1
JN- 81	Laboratory, B Bank	Blood Gas Analyzer				1
JN- 149	Laboratory, B Bank	Bilirubin meter	1			1
JN- 150	Laboratory, B Bank	Blood bank Refrigerator	1			
JN- 151	Laboratory, B Bank	Cell Washer Centrifuge				1
JN- 154	Laboratory, B Bank	Deep Freezer -35°C				1
JN- 78(B)	Laboratory, B Bank	Spectrophotometer	1			
JN- 48(A)	NICU	Respirator for newborn				1
JN- 112	Operating Room	Elec. Surgery Unit		2		
JN- 114	Operating Room	Operating Ceiling Lamps, Satellite 8x4		1		
JN- 115	Operating Room	Anaesthesia Machine with Ventilator, with Monitor		1		1
JN- 116	Operating Room	Operating Table, Electric Hydraulic		1		
JN- 105	Pediatric	Infant Incubator, Double Wall		4		2
JN- 106	Pediatric	Transport Incubator		1		
JN- 107	Pediatric	Apnea Alarm		4		
JN- 108	Pediatric	Oxygen Monitor		1		
JN- 109	Pediatric	Phototherapy Unit		4		
JN- 124	Pediatric Surgery	Warming Mattress		2		
JN- 125	Pediatric Surgery	Basic Pediatric Surgical Inst. set		1		1
JN- 126	Pediatric Surgery	Basic Infant Surgical Inst. set		1		1
JN- 130	Radiology	X-ray for General Purpose (Bucky)				1
JN- 132	Radiology	Mobile X-ray				
JN- 133	Radiology	Ultrasound Equipment, Ob/Gyn				1
JN- 134	Radiology	Ultrasound Equipment, General Use				


Palestinian National Authority  
 Ministry Of Health  
 Dr. Muneer Shaif  
 Deputy Minister of Health

Annex 2

JENIN HOSPITAL

Item No	Department	Description	Priority			
			A	B+	B	C
JN- 135	Radiology	Ultrasonic Equipment, Portable	1			
JN- 136	Radiology	Automatic Film Processor	1			
JN- 137	Radiology	Protection Gown				5
JN- 157		Ambulance			1	
JN- 158		Transport Van				1

Palestinian National Authority  
 Ministry Of Health  
**Dr. Munzer Sharif**  
 Deputy Minister Of Health



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TULKAREM HOSPITAL

Item No	Department	Description	Priority			
			A	B+	B	C
TK- 140	Cardiology	Treadmill machine				1
TK- 9	CSSD	Autoclave, 250 L. w/ steam generator	1			
TK- 10	CSSD	Ultrasonic cleaner unit	1			
TK- 11	CSSD	Drying machine				1
TK- 12	CSSD	Tube Washing Machine	1			
TK- 13	CSSD	Sealing Machine	1			
TK- 14	CSSD	Water Softener for Sterilizer	1			
TK- 144	Emergency	Patient Trolley				5
TK- 23	Endoscopy	Laparoscope				1
TK- 24	Endoscopy	Gastroscope	1			
TK- 26(A)	Endoscopy	Sigmoidoscope				1
TK- 26(B)	Endoscopy	Colonoscope , fiber type	1			
TK- 27(A)	Endoscopy	Arthroscope				1
TK- 33	General	E.C.G. One Channel	1			1
TK- 36	General	Instrument cabinet				2
TK- 38	Gyn. Obst.	Vacuum Extractor	1			1
TK- 39	Gyn. Obst.	Fetal Monitor	2			
TK- 40	Gyn. Obst.	Obstetric Delivery table	1			
TK- 42	ICU	ICU Bed				1
TK- 43	ICU	Electrocardiograph, 3 channels	1			1
TK- 46	ICU	Syringe Pump	2			2
TK- 49	ICU	Defibrillator	1			
TK- 50	ICU	Blood Gas Analyzer				1
TK- 51	ICU	External Pacemaker				1
TK- 52	ICU	Pulse Oximeter	3			
TK- 53	ICU	Blood Pressure Meter, Automatic Electric measures	1			1
TK- 56	Kitchen	Kitchen equipment set		1		
TK- 75	Laboratory & B Bank	Water Distiller (automatic) 4L/h	1			1
TK- 76	Laboratory & B Bank	Blood Donor's Chair				1
TK- 77	Laboratory & B Bank	Hematology (Blood) Cell Counter	1			
TK- 79	Laboratory & B Bank	Centrifuge up to 12000rpm	1			
TK- 80	Laboratory & B Bank	Binocular Microscope	1			1
TK- 81	Laboratory & B Bank	Blood Gas Analyzer			1	
TK- 149	Laboratory & B Bank	Bilirubin meter	1		1	
TK- 150	Laboratory & B Bank	Blood bank Refrigerator	1			
TK- 151	Laboratory & B Bank	Cell Washer Centrifuge	1			
TK- 154	Laboratory & B Bank	Deep Freezer -35°C			1	
TK- 78(B)	Laboratory & B Bank	Spectrophotometer	1			
TK- 48(A)	NICU	Respirator for newborn				1
TK- 112	Operating Room	Elec. Surgery Unit	1			1
TK- 114	Operating Room	Operating Ceiling Lamps, Satellite 8x4	2			
TK- 115	Operating Room	Anaesthesia Machine with Ventilator, with Monitor				2
TK- 116	Operating Room	Operating Table, Electric Hydraulic	1			
TK- 105	Pediatric	Infant Incubator, Double Wall	4			2
TK- 106	Pediatric	Transport Incubator	1			
TK- 107	Pediatric	Apnea Alarm	2			
TK- 108	Pediatric	Oxygen Monitor	1			
TK- 109	Pediatric	Phototherapy Unit	3			
TK- 124	Pediatric Surgery	Warming Mattress	2			
TK- 125	Pediatric Surgery	Basic Pediatric Surgical Inst. set	1			1
TK- 130	Radiology	X-ray for General Purpose (Bucky)	1			
TK- 132	Radiology	Mobile X-ray	1			
TK- 133	Radiology	Ultrasound Equipment, Ob/Gyn				1
TK- 134	Radiology	Ultrasound Equipment, General Use w/probe	1			
TK- 135	Radiology	Ultrasonic Equipment, Portable	1			
TK- 136	Radiology	Automatic Film Processor	1			
TK- 137	Radiology	Protection Gown				5
TK- 157		Ambulance				1
TK- 158		Transport Van				1

Palestinian National Authority  
 Ministry Of Health  
**Dr. Munzor Sharif**  
 Deputy Minister Of Health



**WATANI HOSPITAL**

Item No.	Department	Description	Priority			
			A	B+	B	C
WT- 7	Cardiology	Holter Monitor	1			
WT- 8	Cardiology	Holter Analyzer	1			
WT- 139	Cardiology	Echocardiography machine	1			
WT- 14	CSSD	Water Softener for Sterilizer				1
WT- 144	Emergency	Patient Trolley				5
WT- 24	Endoscopy	Gastroscope	1			
WT- 26	Endoscopy	Sigmoidoscope	1			
WT- 33	General	E.C.G. One Channel	2			
WT- 34	General	Suction Mobil				2
WT- 37	General	E.M.G. (Electro myograph)				1
WT- 172	General	Electroencephalograph (EEG) 7 channel	1			
WT- 42	ICU	ICU Bed	3			1
WT- 43	ICU	Electrocardiograph. 3 channels	1			1
WT- 44	ICU	Ultrasonic Nebulizer				4
WT- 46	ICU	Syringe Pump				4
WT- 47	ICU	Respirator for Adult				2
WT- 50	ICU	Blood Gas Analyzer				1
WT- 51	ICU	External Pacemaker	1			
WT- 52	ICU	Pulse Oximeter				4
WT- 53	ICU	Blood Pressure Meter, Automatic Electric measures				3
WT- 41(B)	ICU	Central Monitoring system for 6 beds	1			
WT- 48(B)	ICU	Respirator for Adult/child	2			
WT- 54	Kidney Hemodialysis	Hemodialysis Machine	2			3
WT- 55	Kidney Hemodialysis	Hemodialysis Chair	2			8
WT- 56	Kitchen	Kitchen equipment set				1
WT- 75	Laboratory, B.Bank	Water Distiller (automatic) 4L/h	1			1
WT- 77	Laboratory, B.Bank	Hematology (Blood) Cell Counter	1			
WT- 79	Laboratory, B.Bank	Centrifuge up to 12000rpm	1			1
WT- 80	Laboratory, B.Bank	Binocular Microscope	1			1
WT- 81	Laboratory, B.Bank	Blood Gas Analyzer	1			
WT- 84	Laboratory, B.Bank	Tissue Processor				1
WT- 85	Laboratory, B.Bank	Embedding Machine				1
WT- 149	Laboratory, B.Bank	Billirubinometer	1			2
WT- 150	Laboratory, B.Bank	Blood bank Refrigerator				1
WT- 151	Laboratory, B.Bank	Cell Washer Centrifuge				1
WT- 154	Laboratory, B.Bank	Deep Freezer -35°C				1
WT- 78(B)	Laboratory, B.Bank	Spectrophotometer	1			
WT- 48(A)	NICU	Respirator for newborn	1			2
WT- 105	Pediatric	Infant Incubator, Double Wall	6			4
WT- 106	Pediatric	Transport Incubator	1			
WT- 107	Pediatric	Apnea Alarm	1			1
WT- 108	Pediatric	Oxygen Monitor	1			
WT- 109	Pediatric	Phototherapy Unit	2			1
WT- 124	Pediatric Surgery	Warming Mattress	2			
WT- 134	Radiology	Ultrasound Equipment, General Use				1
WT- 135	Radiology	Ultrasonic Equipment, Portable	1			
WT- 136	Radiology	Automatic Film Processor	1			
WT- 137	Radiology	Protection Gown				5
WT- 157		Ambulance				1
WT- 158		Transport Van				1

Palestinian National Authority  
 Ministry Of Health  
**Dr. Munzer Sharif**  
 Deputy Minister Of Health

RAFIDIA HP

Item No	Department	Description	Priority			
			A	B+	B	C
RF- 3	Autopsy	Post-Mortem Knife set	1			
RF- 4	Autopsy	Post-Mortem Forceps set	1			
RF- 5	Autopsy	Autopsy Refrigerator for Samples			1	
RF- 6	Autopsy	Autopsy Instrument set	1			
RF- 9	CSSD	Autoclave, (400 L.)	1			
RF- 10	CSSD	Ultrasonic cleaner unit	1			
RF- 11	CSSD	Drying machine				1
RF- 12	CSSD	Tube Washing Machine	1			
RF- 13	CSSD	Sealing Machine	1			
RF- 14	CSSD	Water Softener for Sterilizer				1
RF- 144	Emergency	Patient Trolley				5
RF- 23	Endoscopy	Laparoscope	1			
RF- 24	Endoscopy	Gastroscope	1			
RF- 25	Endoscopy	Esophagoscope	1			
RF- 28	Endoscopy	Thoracoscope(Rigit type)				1
RF- 148	Endoscopy	Pediatric rigid bronchoscope	1			
RF- 26(A)	Endoscopy	Sigmoidoscope				1
RF- 26(B)	Endoscopy	Colonoscope	1			
RF- 27(A)	Endoscopy	Arthroscope	1			
RF- 27(B)	Endoscopy	Urethroscope	1			
RF- 34	General	Suction Mobil				3
RF- 36	General	Instrument cabinet				4
RF- 38	Gyn. Obst.	Vacuum Extractor	2			1
RF- 39	Gyn. Obst.	Fetal Monitor	2			
RF- 40	Gyn. Obst.	Obstetric Delivery table	1			1
RF- 42	ICU	ICU Bed				5
RF- 43	ICU	Electrocardiograph, 3 channels	1			1
RF- 44	ICU	Ultrasonic Nebulizer	1			
RF- 45	ICU	Infusion Pump	7			5
RF- 46	ICU	Syringe Pump	5			3
RF- 47	ICU	Respirator for Adult				2
RF- 49	ICU	Defibrillator	1			
RF- 50	ICU	Blood Gas Analyzer				1
RF- 51	ICU	External Pacemaker	1			
RF- 52	ICU	Pulse Oximeter	4			
RF- 53	ICU	Blood Pressure Meter, Automatic/Electric measures				3
RF- 41(B)	ICU	Patient Monitor, Bedside type				5
RF- 48(B)	ICU	Respirator for Adult/child	2			
RF- 56	Kitchen	Kitchen Equipment set				1
RF- 75	Laboratory, B.Bank	Water Distiller (automatic) 4L/h	2			1
RF- 76	Laboratory, B.Bank	Blood Donor's Chair	1			1
RF- 77	Laboratory, B.Bank	Hematology (Blood) Cell Counter	1			1
RF- 79	Laboratory, B.Bank	Centrifuge up to 12000rpm	1			1
RF- 80	Laboratory, B.Bank	Binocular Microscope	1			1
RF- 81	Laboratory, B.Bank	Blood Gas Analyzer	1			
RF- 82	Laboratory, B.Bank	Refrigerated Centrifuge				1
RF- 83	Laboratory, B.Bank	Platelet Shaker	1			
RF- 84	Laboratory, B.Bank	Tissue Processor	1			
RF- 85	Laboratory, B.Bank	Embedding Machine	1			
RF- 86	Laboratory, B.Bank	Microtome, Freeze Type	1			
RF- 87	Laboratory, B.Bank	Water Bath	1			
RF- 88	Laboratory, B.Bank	Cryotome	1			
RF- 89	Laboratory, B.Bank	Fume Hood	1			
RF- 90	Laboratory, B.Bank	Multi-heads Microscope, with camera	1			
RF- 91	Laboratory, B.Bank	Knife Sharpener	1			
RF- 92	Laboratory, B.Bank	Cystospin	1			
RF- 149	Laboratory, B.Bank	Billirubinometer	1			2

Palestinian National Authority  
Ministry Of Health  
**Dr. Munzor Sharif**  
Deputy Minister Of Health

RAFIDIA HP

Item No	Department	Description	Priority			
			A	B+	B	C
RF- 150	Laboratory, B.Bank	Blood bank Refrigerator	1			1
RF- 151	Laboratory, B.Bank	Cell Washer Centrifuge	1			1
RF- 153	Laboratory, B.Bank	Blood bag pack (Bio Sealer)	1			
RF- 154	Laboratory, B.Bank	Deep Freezer -35°C			1	1
RF- 155	Laboratory, B.Bank	Electrophoresis machine	1			
RF- 78(B)	Laboratory, B.Bank	Spectrophotometer			1	
RF- 97	Laundry	Laundry Equipment Set		1		
RF- 104	Maintenance	Workshop Tool				1
RF- 48(A)	NICU	Respirator for newborn				2
RF- 112	Operating Room	Elec. Surgery Unit	1			2
RF- 114	Operating Room	Operating Ceiling Lamps, Satellite 8x4	2			2
RF- 115	Operating Room	Anaesthesia Machine with Ventilator, with Monitor	1			1
RF- 116	Operating Room	Operating Table, Electric Hydraulic	1			
RF- 113	Operation	Central in condition unit (Chiller 250 tone)				1
RF- 117	Orthopedic	Pneumatic Tourniquet	1			
RF- 118	Orthopedic	Total Hip Replacement surgery set	1			
RF- 119	Orthopedic	Kuntscher Nail Instrument set	1			
RF- 120	Orthopedic	Austin Moor's Instrument set	1			
RF- 121	Orthopedic	Wire Tightener	1			
RF- 122	Orthopedic	Laminectomy Instrument set	1			
RF- 123	Orthopedic	Pneumatic Bone Drill	1			
RF- 105	Pediatric	Infant Incubator, Double Wall	4			2
RF- 106	Pediatric	Transport Incubator				1
RF- 107	Pediatric	Apnea Alarm	4			
RF- 108	Pediatric	Oxygen Monitor	1			
RF- 109	Pediatric	Phototherapy Unit	2			1
RF- 124	Pediatric Surgery	Warming Mattress	3			
RF- 125	Pediatric Surgery	Basic Pediatric Surgical Inst. set	1			1
RF- 126	Pediatric Surgery	Basic Infant Surgical Inst. set	1			1
RF- 127	Pediatric Surgery	Vascular Surgical Inst. set	1			1
RF- 128	Plastic Surgery	Plastic Surgery Instruments set	1			1
RF- 129	Radiology	X-ray Fluoroscopy			1	
RF- 130	Radiology	X-ray for General Purpose (Bucky)	1			
RF- 131	Radiology	CT Scanner (Spiral), Laser Imager	1			
RF- 133	Radiology	Ultrasound Equipment, Ob/Gyn				1
RF- 134	Radiology	Ultrasound Equipment, General Use w/probes	1			
RF- 135	Radiology	Ultrasonic Equipment, Portable	1			1
RF- 136	Radiology	Automatic Film Processor	1			
RF- 137	Radiology	Protection Gown				10
RF- 157		Ambulance				1
RF- 158		Transport Van				1

Palestinian National Authority  
 Ministry Of Health  
**Dr. Munzir Sharif**  
 Deputy Minister Of Health

RAMALLA HP

Item No	Department	Description	Priority			
			A	B+	B	C
RM- 138	Cardiac surgery	Coronary Bypass surgical set	1			
RM- 7	Cardiology	Holter Monitor	1			
RM- 8	Cardiology	Holter Analyzer	1			
RM- 139	Cardiology	Echocardiography machine	1			
RM- 9	CSSD	Autoclave, (400 L)	1			
RM- 10	CSSD	Ultrasonic cleaner unit	1			
RM- 11	CSSD	Drying machine				1
RM- 12	CSSD	Tube Washing Machine	1			
RM- 13	CSSD	Sealing Machine	1			
RM- 14	CSSD	Water Softener for Sterilizer	1			
RM- 144	Emergency	Patient Trolley				10
RM- 23	Endoscopy	Laparoscope	1			
RM- 24	Endoscopy	Gastroscope	1			
RM- 25	Endoscopy	Esophagoscope			1	
RM- 28	Endoscopy	Thoracoscope	1			
RM- 148	Endoscopy	Pediatric rigid bronchoscope	1			
RM- 26(A)	Endoscopy	Sigmoidoscope	1			
RM- 27(A)	Endoscopy	Arthroscope	1			
RM- 32	General	Oxygen Generator				1
RM- 34	General	Suction Mobil			3	3
RM- 35	General	Spirometer	1			
RM- 36	General	Instrument cabinet				4
RM- 38	Gyn. Obst.	Vacuum Extractor	1			
RM- 39	Gyn. Obst.	Fetal Monitor	2			
RM- 40	Gyn. Obst.	Obstetric Delivery table	1			
RM- 42	ICU	ICU Bed				5
RM- 43	ICU	Electrocardiograph, 3 channels	1			
RM- 44	ICU	Ultrasonic Nebulizer	1			2
RM- 45	ICU	Infusion Pump	7			5
RM- 46	ICU	Syringe Pump	5			3
RM- 49	ICU	Defibrillator	1			2
RM- 50	ICU	Blood Gas Analyzer				1
RM- 51	ICU	External Pacemaker				1
RM- 52	ICU	Pulse Oximeter	5			
RM- 53	ICU	Blood Pressure Meter, Automatic/Electric measures	3			2
RM- 41(A)	ICU	Central Monitoring System for 5 beds	1			
RM- 48(B)	ICU	Respirator for Adult/child	2			1
RM- 54	Kidney Hemodiatysis	Hemodialysis Machine	8		2	
RM- 55	Kidney Hemodiatysis	Hemodialysis Chair	4		6	
RM- 56	Kitchen	Kitchen Equipment set				1
RM- 75	Laboratory, B.Bank	Water Distiller (automatic)4L/h	2			1
RM- 76	Laboratory, B.Bank	Blood Donor's Chair	1			1
RM- 77	Laboratory, B.Bank	Hematology (Blood) Cell Counter	1			
RM- 79	Laboratory, B.Bank	Centrifuge up to 12000rpm	1			1
RM- 80	Laboratory, B.Bank	Binocular Microscope	1			1
RM- 81	Laboratory, B.Bank	Blood Gas Analyzer	1			
RM- 82	Laboratory, B.Bank	Refrigerated Centrifuge	1			
RM- 83	Laboratory, B.Bank	Platelet Shaker	1			
RM- 86	Laboratory, B.Bank	Microtome, Freeze Type				1
RM- 87	Laboratory, B.Bank	Water Bath				1
RM- 88	Laboratory, B.Bank	Cryotome				1
RM- 89	Laboratory, B.Bank	Fume Hood				1
RM- 90	Laboratory, B.Bank	Multi-heads Microscope, with camera				1
RM- 91	Laboratory, B.Bank	Knife Sharpener				1
RM- 92	Laboratory, B.Bank	Cystospin				1
RM- 149	Laboratory, B.Bank	Billirubinometer				3
RM- 150	Laboratory, B.Bank	Blood bank Refrigerator				

Palestine National Authority  
Ministry Of Health  
**Dr. Munzor Sharif**  
Deputy Minister Of Health

RAMALLA HP

Item No	Department	Description	Priority			
			A	B+	B	C
RM- 151	Laboratory, B.Bank	Cell Washer Centrifuge	1			
RM- 153	Laboratory, B.Bank	Blood bag pack (Bio Sealer)	1			
RM- 154	Laboratory, B.Bank	Deep Freezer -35°C				2
RM- 155	Laboratory, B.Bank	Electrophoresis machine	1			
RM- 78(A)	Laboratory, B.Bank	Chemistry Analyzer				1
RM- 93	Laboratory, Histology	Parafin oven				1
RM- 94	Laboratory, Histology	Parafin Warmer				1
RM- 95	Laboratory, Histology	Staining set				1
RM- 96	Laboratory, Histology	Rotary Microtome				1
RM- 97	Laundry	Laundry Equipment Set				1
RM- 104	Maintenance	Workshop Tool				1
RM- 110	Neuro-Surgery	Crenotomy set	1			
RM- 170	NICU	Pulse Oximeter			3	
RM- 48(A)	NICU	Respirator for newborn	1			
RM- 111	Operating Room	Oxygen concentrator				6
RM- 112	Operating Room	Elec. Surgery Unit	1			
RM- 114	Operating Room	Operating Ceiling Lamps, Satellite 8x4	2			4
RM- 115	Operating Room	Anaesthesia Machine with Ventilator, with Monitor	2			1
RM- 116	Operating Room	Operating Table, Electric Hydraulic	1			
RM- 113	Operation	Central in condition unit (Chiller 250 tone)				6
RM- 117	Orthopedic	Pneumatic Tourniquet	1			
RM- 118	Orthopedic	Total Hip Replacement surgery set	1			
RM- 119	Orthopedic	Kuntscher Nail Instrument set	1			
RM- 120	Orthopedic	Austin Moor's Instrument set	1			
RM- 121	Orthopedic	Wire Tightener	1			
RM- 122	Orthopedic	Laminectomy Instrument set	1			
RM- 123	Orthopedic	Pneumatic Bone Drill	1			
RM- 105	Pediatric	Infant Incubator, Double Wall	6			4
RM- 106	Pediatric	Transport Incubator	1			
RM- 107	Pediatric	Apnea Alarm	2			2
RM- 108	Pediatric	Oxygen Monitor	1			
RM- 109	Pediatric	Phototherapy Unit	3			
RM- 124	Pediatric Surgery	Warming Mattress	3			
RM- 125	Pediatric Surgery	Basic Pediatric Surgical Inst. set	1			1
RM- 126	Pediatric Surgery	Basic Infant Surgical Inst. set	1			1
RM- 127	Pediatric Surgery	Vascular Surgical Inst. set	1			1
RM- 156	Pediatric Surgery	OEsophageal dilators set	1			1
RM- 128	Plastic Surgery	Plastic Surgery Instruments set	1			
RM- 129	Radiology	X-ray Fluoroscopy	1			
RM- 130	Radiology	X-ray for General Purpose (Bucky)	1			
RM- 132	Radiology	Mobile X-ray	1			1
RM- 133	Radiology	Ultrasound Equipment, Ob/Gyn				1
RM- 134	Radiology	Ultrasound Equipment, General Use w/probes	1			
RM- 135	Radiology	Ultrasonic Equipment, Portable	1			1
RM- 136	Radiology	Automatic Film Processor	1			
RM- 137	Radiology	Protection Gown				10
RM- 157		Ambulance				1
RM- 158		Transport Van				1

Palestinian National Authority  
Ministry Of Health  
**Dr. Munzor Sharif**  
Deputy Minister Of Health

BEIT JALA HP

Item No	Department	Description	Priority			
			A	B+	B	C
BJ- 7	Cardiology	Holter Monitor			1	
BJ- 8	Cardiology	Holter Analyzer			1	
BJ- 139	Cardiology	Echocardiography machine				1
BJ- 9	CSSD	Autoclave, 250 L w/ steam generator	2			
BJ- 10	CSSD	Ultrasonic cleaner unit	1			
BJ- 11	CSSD	Drying machine				1
BJ- 12	CSSD	Tube Washing Machine	1			
BJ- 13	CSSD	Sealing Machine	1			
BJ- 14	CSSD	Water Softener for Sterilizer				1
BJ- 144	Emergency	Patient Trolley				5
BJ- 24	Endoscopy	Gastroscope				1
BJ- 25	Endoscopy	Esophagoscope	1			
BJ- 145	Endoscopy	Uretroscope			1	
BJ- 146	Endoscopy	Cystoscope			1	
BJ- 147	Endoscopy	Resectoscope			1	
BJ- 159	Endoscopy	Laparoscope Surgical instrument set				1
BJ- 26(A)	Endoscopy	Sigmoidoscope	1			
BJ- 33	General	E.C.G. One Channel				1
BJ- 34	General	Suction Mobil	2			
BJ- 36	General	Instrument cabinet				2
BJ- 38	Gyn. Obst.	Vacuum Extractor	1			1
BJ- 39	Gyn. Obst.	Fetal Monitor	2			
BJ- 40	Gyn. Obst.	Obstetric Delivery table	1			
BJ- 42	ICU	ICU Bed	4		2	
BJ- 43	ICU	Electrocardiograph, 3 channels	2			
BJ- 44	ICU	Ultrasonic Nebulizer	1			
BJ- 45	ICU	Infusion Pump	4			8
BJ- 46	ICU	Syringe Pump	2			2
BJ- 49	ICU	Defibrillator	1			3
BJ- 50	ICU	Blood Gas Analyzer				1
BJ- 51	ICU	External Pacemaker	1			
BJ- 52	ICU	Pulse Oximeter	2			2
BJ- 53	ICU	Blood Pressure Meter, Automatic/Electric measures	2			3
BJ- 41(B)	ICU	Patient Monitor, Bedside type	4		2	
BJ- 48(B)	ICU	Respirator for Adult/child	2			
BJ- 56	Kitchen	Kitchen Equipment set				1
BJ- 75	Laboratory, B. Bank	Water Distiller (automatic) 4L/h	2			
BJ- 76	Laboratory, B. Bank	Blood Donor's Chair				1
BJ- 77	Laboratory, B. Bank	Hematology (Blood) Cell Counter	1			1
BJ- 79	Laboratory, B. Bank	Centrifuge up to 12000rpm	1			1
BJ- 80	Laboratory, B. Bank	Binocular Microscope				2
BJ- 81	Laboratory, B. Bank	Blood Gas Analyzer				1
BJ- 149	Laboratory, B. Bank	Billirubinometer	1			1
BJ- 150	Laboratory, B. Bank	Blood bank Refrigerator, small type	1			
BJ- 151	Laboratory, B. Bank	Cell Washer Centrifuge	1			
BJ- 154	Laboratory, B. Bank	Deep Freezer -35°C			1	
BJ- 78(B)	Laboratory, B. Bank	Spectrophotometer	1			
BJ- 112	Operating Room	Elec. Surgery Unit	1			
BJ- 105	Pediatric	Infant Incubator, Double Wall	4			2
BJ- 106	Pediatric	Transport Incubator	1			
BJ- 107	Pediatric	Apnea Alarm	2			
BJ- 108	Pediatric	Oxygen Monitor	1			
BJ- 109	Pediatric	Phototherapy Unit	3			
BJ- 124	Pediatric Surgery	Warming Mattress	2			
BJ- 125	Pediatric Surgery	Basic Pediatric Surgical Inst. set	1			
BJ- 126	Pediatric Surgery	Basic Infant Surgical Inst. set				1
BJ- 129	Radiology	X-ray Fluoroscopy				1

Palestinian National Authority  
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BEIT JALA HP

Item No	Department	Description	Priority			
			A	B+	B	C
BJ- 130	Radiology	X-ray for General Purpose (Bucky)	1			
BJ- 132	Radiology	Mobile X-ray	1			
BJ- 133	Radiology	Ultrasound Equipment, Ob/Gyn				1
BJ- 134	Radiology	Ultrasound Equipment, General Use	1			
BJ- 135	Radiology	Ultrasonic Equipment, Portable	1			
BJ- 136	Radiology	Automatic Film Processor	1			
BJ- 137	Radiology	Protection Gown				5
BJ- 157		Ambulance				1
BJ- 158		Transport Van				1

Palestinian National Authority  
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BETHLEHEM MENTAL HP

Item No	Department	Description	Priority			
			A	B+	B	C
BM- 1	Autopsy	Autopsy Operating Table			1	
BM- 2	Autopsy	Autopsy Refrigerator, 4 bodies			1	
BM- 3	Autopsy	Post-Mortem Knife set			1	
BM- 4	Autopsy	Post-Mortem Forceps set			1	
BM- 5	Autopsy	Autopsy Refrigerator for Samples			1	
BM- 6	Autopsy	Autopsy Instrument set			1	
BM- 30	General	Stand-by Generator, 150kW				1
BM- 31	General	Electroencephalograph (EEG)	1			
BM- 33	General	E.C.G. One Channel	1			
BM- 37	General	E.M.G. (Electro myograph)				1
BM- 43	ICU	Electrocardiograph, 3 channels	1			
BM- 49	ICU	Defibrillator	1			
BM- 169	ICU	Ultrasonic Nebulizer				1
BM- 56	Kitchen	Kitchen Equipment Set				1
BM- 160	Laboratory	Spectrophotometer				1
BM- 161	Laboratory	Balance				1
BM- 162	Laboratory	Water bath				1
BM- 163	Laboratory	Microscope				1
BM- 164	Laboratory	Centrifuge				1
BM- 165	Laboratory	Drug analysis				1
BM- 166	Laboratory	HLCentrifuge				1
BM- 167	Laboratory	Shaker for tubes				1
BM- 168	Laboratory	Distillator				1
BM- 149	Laboratory, B Bank	Billirubinometer				2
BM- 150	Laboratory, B Bank	Blood bank Refrigerator				1
BM- 151	Laboratory, B Bank	Cell Washer Centrifuge				1
BM- 154	Laboratory, B Bank	Deep Freezer -35°C				1
BM- 93	Laboratory, Histopathology	Parafin oven				1
BM- 94	Laboratory, Histopathology	Parafin Warmer				1
BM- 95	Laboratory, Histopathology	Staining set				3
BM- 96	Laboratory, Histopathology	Rotary Microtome				1
BM- 97	Laundry	Laundry Equipment Set				1
BM- 157		Ambulance				1
BM- 158		Transport Van				1

Palestinian National Authority  
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HEBRON HP

Item No.	Department	Description	Priority			
			A	B+	B	C
HR- 7	Cardiology	Holter Monitor	1			
HR- 8	Cardiology	Holter Analyzer	1			
HR- 139	Cardiology	Echocardiography machine				1
HR- 9	CSSD	Autoclave, 250 L w/steam generator			1	
HR- 11	CSSD	Drying machine				1
HR- 12	CSSD	Tube Washing Machine				1
HR- 13	CSSD	Sealing Machine				1
HR- 14	CSSD	Water Softener for Sterilizer			1	
HR- 144	Emergency	Patient Trolley				6
HR- 23	Endoscopy	Laparoscope	1			
HR- 24	Endoscopy	Gastroscope			1	
HR- 25	Endoscopy	Esophagoscope	1			
HR- 26(A)	Endoscopy	Sigmoidoscope	1			
HR- 27(A)	Endoscopy	Arthroscop Rigit type	1			
HR- 33	General	E.C.G. One Channel				2
HR- 34	General	Suction Mobil				2
HR- 36	General	Instrument cabinet				2
HR- 43	ICU	Electrocardiograph, 3 channels	2			
HR- 44	ICU	Ultrasonic Nebulizer	1			
HR- 45	ICU	Infusion Pump	7			
HR- 50	ICU	Blood Gas Analyzer				1
HR- 51	ICU	External Pacemaker	1			
HR- 52	ICU	Pulse Oximeter	2			
HR- 41(B)	ICU	Patint monitor , Bedside type				3
HR- 54	Kidney Hemodiatyis	Hemodialysis Machine	8		2	
HR- 55	Kidney Hemodiatyis	Hemodialysis Chair	3		7	
HR- 56	Kitchen	Kitchen Equipment Set				1
HR- 75	Laboratory, B.Bank	Water Distiller (automatic) 4L/h	2			
HR- 76	Laboratory, B.Bank	Blood Donor's Chair	1		1	
HR- 77	Laboratory, B.Bank	Hematology (Blood) Cell Counter	1			1
HR- 79	Laboratory, B.Bank	Centrifuge up to 12000rpm	1			2
HR- 80	Laboratory, B.Bank	Binocular Microscope	1			1
HR- 81	Laboratory, B.Bank	Blood Gas Analyzer	1			
HR- 149	Laboratory, B.Bank	Billirubinometer	1			2
HR- 150	Laboratory, B.Bank	Blood bank Refrigerator	1			1
HR- 151	Laboratory, B.Bank	Cell Washer Centrifuge	1			1
HR- 152	Laboratory, B.Bank	Automatic Stainer	1			
HR- 153	Laboratory, B.Bank	Blood bag pack (Bio Sealer)			1	
HR- 154	Laboratory, B.Bank	Deep Freezer -35°C				1
HR- 155	Laboratory, B.Bank	Electrophoresis machine			1	
HR- 161	Laboratory, B.Bank	Refrigerated Centrifuge		1		
HR- 163	Laboratory, B.Bank	Platelet Shaker				1
HR- 78(B)	Laboratory, B.Bank	Spectrophotometer				1
HR- 104	Maintenance	Workshop Tool				1
HR- 112	Operating Room	Elec. Surgery Unit	1			2
HR- 113	Operating Room	Central in condition unit (Chiller 250 tone)				1
HR- 114	Operating Room	Operating Ceiling Lamps, Satellite 8x4		3		
HR- 115	Operating Room	Anaesthesia Machine with Ventilator, with Monitor	3			
HR- 116	Operating Room	Operating Table, Electric Hydraulic	2			
HR- 117	Orthopedic	Pneumatic Tourniquet	1			
HR- 118	Orthopedic	Total Hip Replacement surgery set	1			
HR- 119	Orthopedic	Kuntscher Nail Instrument set	1			
HR- 120	Orthopedic	Austin Moor's Instrument set	1			
HR- 121	Orthopedic	Wire Tightener	1			
HR- 122	Orthopedic	Laminectomy Instrument set	1			
HR- 123	Orthopedic	Pneumatic Bone Drill	1			
HR- 105	Pediatric	Infant Incubator, Double Wall	4			2

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HEBRON HP

HR- 106	Pediatric	Transport Incubator			1	
HR- 107	Pediatric	Apnea Alarm				4
HR- 108	Pediatric	Oxygen Monitor	1			
HR- 109	Pediatric	Phototherapy Unit	3			
HR- 124	Pediatric Surgery	Warming Mattress	3			
HR- 125	Pediatric Surgery	Basic Pediatric Surgical Inst. set	1			1
HR- 129	Radiology	X-ray Fluoroscopy	1			
HR- 130	Radiology	X-ray for General Purpose (Bucky)	1			
HR- 131	Radiology	CT Scanner (Spiral), Laser Imager	1			
HR- 132	Radiology	Mobile X-ray	1			
HR- 134	Radiology	Ultrasound Equipment General Use	1			
HR- 135	Radiology	Ultrasonic Equipment, Portable	1			1
HR- 136	Radiology	Automatic Film Processor	1			
HR- 137	Radiology	Protection Gown				6
HR- 157		Ambulance				1
HR- 158		Transport Van				1
HR- 171		Lithotripsy				1

Palestinian National Authority  
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 Deputy Minister of Health

GENERAL

Item No.	Department	Description	Priority			
			A	B+	B	C
GE- 141	Central store	Truck 8t				1
GE- 142	Central store	Truck with lift 8t				1
GE- 143	Central store	Fork lift 2.5t				1
GE- 157		Ambulance				2
GE- 158		Transport Van				2
GE- 104		Equipment for Central Maintenance Shop			1	

Remarks

Definition of priority  
4 Priority order as follows

- A: Top Priority
- B+: Higher medium priority
- B: Lower medium priority
- C: Low priority

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Palestinian National Authority  
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### Basic Criteria for Selection of Equipment

(1) Equipment which will be included in the Project

- 1) The equipment for basic medical services.
- 2) The equipment for replacement of existing equipment.
- 3) The equipment which has the strong clinical needs (by the number of patients and specimens).
- 4) The equipment which can be operated and maintained with the skills of the present personnel.
- 5) The equipment which is financially manageable, including the purchase of consumable items and spare parts.
- 6) The equipment which meets proper specification of equipment in detail (Verified in Japan).

(2) Equipment which will be excluded from the Project

- 1) The equipment which requires the adoption of new techniques.
- 2) The equipment which can't be installed due to insufficient infrastructure (requires additional construction or large-scale remodeling).
- 3) The equipment which is high price and low necessity (its cost effectiveness is low).
- 4) The equipment which requires the establishment of a new clinical department.
- 5) The equipment which is redundant/overlapping (same type of equipment is requested to other aid organizations, or already exists in the facility).
- 6) Consumable items, reagents, etc.
- 7) The equipment which has the possibility of infringing laws relevant to the disposal of waste matters and radioactive substances.
- 8) The equipment which is difficult to maintain and control from financial and/or technical point of view.
- 9) The equipment for research purpose.

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 Deputy Minister Of Health

## Classification of designated 8 hospitals

The West Bank is divided into three regions for making the medical services to the inhabitant:-

- 1) The Northern Region; Jenin, Tulkarem and Nablus administrative districts  
Referral hospital: Rafidia Hospital, Watani Hospital
- 2) The Central Region; Ramallah, Jerusalem and Jericho administrative districts  
Referral hospital: Ramallah Hospital
- 3) The Southern Region; Bethlehem and Hebron administrative districts  
Referral hospital: Hebron Hospital

Considering the above circumstances of medical service system in the West Bank, the following classification of designated 8 hospitals shall be adopted in the Project.

- 1) The first group;  
(The hospital which offers the secondary and tertiary medical service)  
  
Ramallah hospital
- 2) The second group;  
(The hospitals which offer mainly the secondary medical service and partially tertiary medical service)  
  
Rafidia Hospital, Watani Hospital, Beit Jala Hospital, Hebron Hospital
- 3) The third group; (The hospitals which offer the secondary medical service)  
  
Jenin Hospital, Tulkarem Hospital
- 4) The fourth group; (The hospital which offers the special medical service)  
  
Bethlehem mental Hospital

Palestinian National Authority  
Ministry Of Health  
**Dr. Munzor Sharif**  
Deputy Minister Of Health

## 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 the 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 Grand 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 the Project to see whether or not it is suitable for Japan's Grant Aid Program, based on the Basic Design Study Report prepared by JICA and the results are then submitted to the Cabinet for approval.

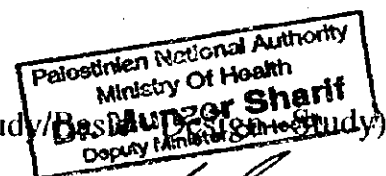
Fourthly, the Project approved by the Cabinet becomes official when pledged by the Exchange of Notes signed by the both Governments.

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 document 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 of agencies concerned of the recipient country necessary for project implementation,
- 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 the 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 Firm

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

The consulting firm used for the study is recommended by JICA to a recipient country after Exchange of 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.

Palestinian National Authority  
Ministry Of Health  
**Dr. Munzor Sharif**  
Deputy Minister Of Health

### 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.

(2) Exchange of 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.

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

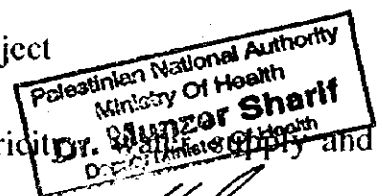
The Government of the recipient country or its designated authority will conclude into contracts in Japanese yen with Japanese nationals. Those contracts shall be verified by the Government of Japan. The "Verification" is deemed necessary to secure accountability to Japanese tax payers.

(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

b) to provide facilities for distribution of electricity





drainage and other incidental facilities in and around the sites,

- c) to secure buildings prior to the installation work ,
- d) to ensure all the expenses and prompt execution for 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 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 expenses other than those to be borne by the Grant Aid.

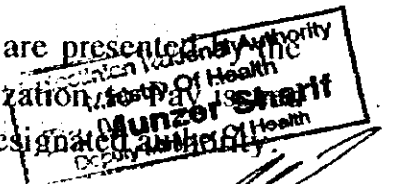
(8) Re-export

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 (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 Government of the recipient country or its designated authority under the contracts verified.


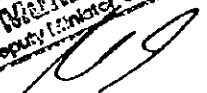
- b) The payments will be made when payment requests are presented by the Bank to the Government of Japan under an Authorization by the Government of the recipient country or its designated authority.



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NECESSARY MEASURES TO BE TAKEN  
BY THE PALESTINIAN AUTHORITY

1. to provide data and information necessary for the Project,
2. to secure the site for the Project prior to the installation work,
3. to bear commissions to the Japanese foreign exchange bank for its banking service based upon the Banking Arrangement (B/A), namely the advertising commission of the Authorization to Pay (A/P) and payment commission,
4. to ensure tax exemption, customs clearance at the port of disembarkation and prompt internal transportation therein of the materials and equipment for the Project purchased under the Grant Aid,
5. to exempt Japanese juridical and physical nationals engaged in the Project from customs duties, internal taxes and other fiscal levies which may be imposed in Palestine with respect to the supply of the products and services under the verified contracts,
6. 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 Palestine and stay therein for the performance of their work,
7. to provide necessary permissions, licenses and other authorizations for implementing the Project, if necessary,
8. to assign appropriate budget and staff for proper and effective operation and maintenance of equipment procured under the Grant Aid,
9. to maintain and use properly and effectively the equipment procured under the Project, and
10. to bear all the expenses, other than those to be borne by the Japan's Grant Aid within the scope of the Project

  
Palestinian National Authority  
Ministry Of Health  
**Dr. Manzer Sharif**  
Deputy Minister Of Health  


**MINUTES OF DISCUSSIONS  
ON  
THE BASIC DESIGN STUDY  
ON  
THE PROJECT FOR IMPROVEMENT OF MEDICAL EQUIPMENT  
FOR THE HOSPITALS IN WEST BANK  
IN  
PALESTINE  
( CONSULTATION ON DRAFT REPORT )**

In September 1997, the Japan International Cooperation Agency (JICA) dispatched a Basic Design Study team on the Project for Improvement of Medical Equipment for the Hospitals in West Bank in Palestine (hereinafter referred to as "the Project"), and through discussions, field survey, and technical examination of the results in Japan, has prepared the draft report of the study.

In order to explain and to consult the Palestinian side on the components of the draft report, JICA sent to Palestine a study team, which is headed by Dr.Osamu KUNII , International Medical Center of Japan and is scheduled to stay in the country from December 9 to December 16, 1997.

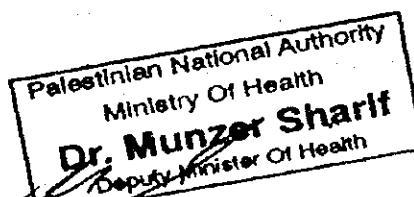
As a result of discussions, both parties have confirmed the main items described on the attached sheets.

Ramallah, December 15, 1997



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Dr.Osamu KUNII  
Leader,  
Draft Report Explanation Team,  
JICA



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Dr.Munzer Sharif  
Deputy Minister,  
Ministry of Health  
Palestinian Authority

## ATTACHMENT

### 1. Components of the draft report

The Palestinian Authority has in principal agreed upon and accepted the components of the draft report proposed by the Team with the modifications submitted by the Ministry of Health.

### 2. Items requested by the Palestinian Authority.

After discussions with the Team, the items listed in Annex 1 were finally requested by the Palestinian Authority.

However, the final items of the Project will be decided after further studies.

### 3. Japan's Grant Aid System

1) The Palestinian Authority has understood the Japan's Grant Aid System as described in Annex 2.

2) The Palestinian Authority will take necessary measures, as described in Annex 3 for smooth implementation of the Project on condition that the Grant Aid by the Government of Japan is extended to the Project.

### 4. Presentation of the final report

JICA will make the final report in accordance with the confirmed items and send it to the Palestinian Authority in around March 1998.

### 5. Monitoring and evaluation

The Palestinian Ministry of Health has responsibility to conduct periodical monitoring and evaluation on whether the medical equipment will be properly used and maintained, and whether medical service will be developed by the Project in the designated hospitals. And the results of the monitoring and evaluation should be reported annually to the Embassy of Japan in Tel-Aviv.

### 6. Other Relevant Issues

#### 1) The Project Sites

As the result of the Basic Design Study in September 1997 and the further study in Japan, the procurement of the maintenance tools is planned for the Central Maintenance Center in Ramallah. So the Central Maintenance Center in Ramallah is regarded as one of the Project Sites in addition to the 8 hospitals.

#### 2) Modification of the equipment plan requested by the Palestinian Authority.

##### a) X-ray apparatuses for Rafidia Hospital and Beit Jala Hospital

Concerning the X-ray apparatuses which are originally planned as the bucky type for the 2 hospitals, the Palestinian Authority requested to upgrade to the fluoroscopy type.



b) Total hip joint replacement surgery set for Ramallah Hospital  
Considering the cost-effectiveness and the priority, the Palestinian Authority cancelled this item from the request.

c) Ureteroscope and its forcept for Rafidia Hospital

The ureteroscope and its forcept were requested in place of the urethroscope and its forcept.

d) Endoscopes for Beit Jala Hospital

The ureteroscope and its forcept were requested in place of the esophagoscope and its forcept. And the cystoscope with resectomy instruments and the light source for rigid scope were requested as additional items.

3) Assignment of appropriate budget and staff

The Palestinian Authority engaged to assign appropriate budget and staff for proper and effective operation and maintenance of the equipment.

4) The Site Preparation

The Palestinian Authority engaged to execute following site preparation works for the installation of the equipment.

a) The new facility for laundry equipment in Rafidia Hospital.

The construction works should be started prior to the signing of the Exchange of Notes, and the Ministry of Health should notify the Embassy of Japan of the commencement of the works.

The construction works should be completed by the end of October 1998.

b) The room for CT-Scanner in Hebron Hospital.

The renovation works should be completed by the end of October 1998.

c) The new building for the CSSD, kitchen and X-ray Department in Tulkarem Hospital.

The construction works should be completed by the end of September 1998.

d) The new building for the CSSD facility in Beit Jala Hospital.

The construction works should be completed by the end of August 1998.

Item No	Department	Description	Quantity
8-1	CSSD	Autoclave, 250 L. w/ steam generator	1
9	CSSD	Sealing Machine	1
10	CSSD	Tube Washing Machine	1
11-1	CSSD	Ultrasonic cleaner unit, small	1
12	CSSD	Water Softener for Sterilizer	1
15-1	Endoscopy	Gastroscope	1
15-2	Endoscopy	Forceps for Gastroscope	1
16-1	Endoscopy	Sigmoidoscope	1
16-2	Endoscopy	Forceps for Sigmoidoscope	1
17-1	Endoscopy	Light source for Fiberscope	1
17-3	Endoscopy	Cabinet for Fiberscope	1
17-4	Endoscopy	Washing Instrument set for Fiberscope	1
17-6	Endoscopy	Suction for Endoscope	1
24	General	E.C.G. One Channel	1
27	General	Suction Mobil	1
28	Gyn. Obst.	Fetal Monitor (Tococardiograph)	2
29	Gyn. Obst.	Vacuum Extractor	1
30	Gyn. Obst.	Obstetric Delivery table	1
31	ICU	Blood Pressure Meter, Automatic/Electric measures	1
34	ICU	Defibrillator	1
35	ICU	Electrocardiograph, 3 channels	1
36	ICU	External Pacemaker	1
40	ICU	Pulse Oximeter	3
41-1	ICU	Respirator for Adult/child	2
48	Laboratory, B.Bank	Bilirubinometer	1
49	Laboratory, B.Bank	Binocular Microscope	1
51-1	Laboratory, B.Bank	Blood bank Refrigerator, large	1
55	Laboratory, B.Bank	Centrifuge up to 12000rpm, 10ml x 24	1
56	Laboratory, B.Bank	Chemistry Analyzer	1
62	Laboratory, B.Bank	Hematology (Blood) Cell Counter	1
70	Laboratory, B.Bank	Water Distiller (automatic) 4L/h	1
74-1	Operating Room	Anesthesia Machine	1
74-2	Operating Room	Ventilator for Anesthesia Machine	1
74-3	Operating Room	Monitor for Anesthesia Machine	1
75	Operating Room	Electric Surgery Unit	2
76	Operating Room	Operating Ceiling Lamps, Satellite 8x4	1
77	Operating Room	Operating Table, Electric Hydraulic	1
85	Pediatric	Apnea Alarm	4
86	Pediatric	Infant Incubator, Double Wall	4
87	Pediatric	Oxygen Monitor	1
88	Pediatric	Phototherapy Unit	4
89	Pediatric	Transport Incubator	1
90	Pediatric Surgery	Basic Infant Surgical Inst. set with St. Container	1
91	Pediatric Surgery	Basic Pediatric Surgical Inst. set with St. Container	1
94	Pediatric Surgery	Warming Mattress	2
96	Radiology	Automatic Film Processor	1
98	Radiology	Mobile X-ray	1
99	Radiology	Ultrasonic Equipment, Portable	1
100	Radiology	Ultrasound Equipment, General Use	1

Tulkarem Hospital

Item No	Department	Description	Quantity
8-1	CSSD	Autoclave, 250 l. w/ steam generator	1
9	CSSD	Sealing Machine	1
10	CSSD	Tube Washing Machine	1
11-1	CSSD	Ultrasonic cleaner unit, small	1
12	CSSD	Water Softener for Sterilizer	1
13-1	Endoscopy	Colonoscope, fiber type	1
13-2	Endoscopy	Forceps for Colonoscope	1
15-1	Endoscopy	Gastroscope	1
15-2	Endoscopy	Forceps for Gastroscope	1
17-1	Endoscopy	Light source for Fiberscope	1
17-3	Endoscopy	Cabinet for Fiberscope	1
17-4	Endoscopy	Washing Instrument set for Fiberscope	1
17-6	Endoscopy	Suction for Endoscope	1
24	General	E.C.G. One Channel	1
28	Gyn. Obst.	Fetal Monitor (Tococardiograph)	2
29	Gyn. Obst.	Vacuum Extractor	1
30	Gyn. Obst.	Obstetric Delivery table	1
31	ICU	Blood Pressure Meter, Automatic/Electric measures	1
34	ICU	Defibrillator	1
35	ICU	Electrocardiograph, 3 channels	1
40	ICU	Pulse Oximeter	3
42	ICU	Syringe Pump	2
46-1	Kitchen	Dish Washer	1
46-2	Kitchen	Hot Food Unit	2
46-3	Kitchen	Boiling Pan	1
46-4	Kitchen	Deep Fat Fryers	1
46-5	Kitchen	Tray Cleaning Trolley	5
46-6	Kitchen	Refrigerated Display Unit	1
46-7	Kitchen	Refrigerator, 1400 liter	1
46-8	Kitchen	Walk in cooler & Freezer	1
46-9	Kitchen	Electric meat minces	1
46-10	Kitchen	Mixing machine	1
46-11	Kitchen	Convection Oven Gas	1
46-12	Kitchen	Gas Range	1
48	Laboratory, B. Bank	Bilirubinometer	1
49	Laboratory, B. Bank	Binocular Microscope	1
51-1	Laboratory, B. Bank	Blood bank Refrigerator, large	1
54	Laboratory, B. Bank	Cell Washer Centrifuge	1
55	Laboratory, B. Bank	Centrifuge up to 12000rpm, 10ml x 24	1
56	Laboratory, B. Bank	Chemistry Analyzer	1
62	Laboratory, B. Bank	Hematology (Blood) Cell Counter	1
70	Laboratory, B. Bank	Water Distiller (automatic) 4L/h	1
75	Operating Room	Electric Surgery Unit	1
76	Operating Room	Operating Ceiling Lamps, Satellite 2x4	2
77	Operating Room	Operating Table, Electric Hydraulic	1
85	Pediatric	Apnea Alarm	2
86	Pediatric	Infant Incubator, Double Wall	4
87	Pediatric	Oxygen Monitor	1
88	Pediatric	Phototherapy Unit	3
89	Pediatric	Transport Incubator	1
91	Pediatric Surgery	Basic Pediatric Surgical Inst. set with St. Container	1
94	Pediatric Surgery	Warming Mattress	2
96	Radiology	Automatic Film Processor	1
98	Radiology	Mobile X-ray	1
99	Radiology	Ultrasonic Equipment, Portable	1
100	Radiology	Ultrasound Equipment, General Use	1
102	Radiology	X-ray for General Purpose (Bucky)	1

Watani Hospital

Item No	Department	Description	Quantity
5	Cardiology	Echocardiography machine	1
6	Cardiology	Holter Analyzer	1
7	Cardiology	Holter Monitor	1
15-1	Endoscopy	Gastroscope	1
15-2	Endoscopy	Forceps for Gastroscope	1
16-1	Endoscopy	Sigmoidoscope	1
16-2	Endoscopy	Forceps for Sigmoidoscope	1
17-1	Endoscopy	Light source for Fiberscope	1
17-2	Endoscopy	TV, Video set for Fiberscope	1
17-3	Endoscopy	Cabinet for Fiberscope	1
17-4	Endoscopy	Washing Instrument set for Fiberscope	1
17-5	Endoscopy	Ultrasonic Cleaner for Fiberscope	1
17-6	Endoscopy	Suction for Endoscope	1
24	General	E.C.G. One Channel	2
25	General	Electroencephalograph (EEG)	1
32-2	ICU	Central Monitoring System for 6 beds	1
35	ICU	Electrocardiograph, 3 channels	1
36	ICU	External Pacemaker	1
37	ICU	ICU Bed	3
41-1	ICU	Respirator for Adult/child	2
41-2	ICU	Respirator for newborn	1
44-1	Kidney Hemodialysis	Hemodialysis Machine with Maintenance set	2
44-2	Kidney Hemodialysis	Osmometer	1
44-3	Kidney Hemodialysis	Electrolyte Analyzer	1
44-4	Kidney Hemodialysis	PH meter	1
45	Kidney Hemodialysis	Hemodialysis Chair	2
48	Laboratory, B.Bank	Bilirubinometer	1
49	Laboratory, B.Bank	Binocular Microscope	1
53	Laboratory, B.Bank	Blood Gas Analyzer	1
55	Laboratory, B.Bank	Centrifuge up to 12000rpm, 10ml x 24	1
56	Laboratory, B.Bank	Chemistry Analyzer	1
62	Laboratory, B.Bank	Hematology (Blood) Cell Counter	1
70	Laboratory, B.Bank	Water Distiller (automatic) 4L/h	1
85	Pediatric	Apnea Alarm	1
86	Pediatric	Infant Incubator, Double Wall	6
87	Pediatric	Oxygen Monitor	1
88	Pediatric	Phototherapy Unit	2
89	Pediatric	Transport Incubator	1
94	Pediatric Surgery	Warming Mattress	2
96	Radiology	Automatic Film Processor	1
99	Radiology	Ultrasonic Equipment, Portable	1



Rafidia Hospital

Item No	Department	Description	Quantity
1	Autopsy	Autopsy Instrument set with St. Container	1
2	Autopsy	Post-Mortem Forceps with St. Container	1
3	Autopsy	Post-Mortem Knife set with St. Container	1
8-3	CSSD	Autoclave, 400 l.	1
9	CSSD	Sealing Machine	1
10	CSSD	Tube Washing Machine	1
11-2	CSSD	Ultrasonic cleaner unit, large	1
13-1	Endoscopy	Colonoscope, fiber type	1
13-2	Endoscopy	Forceps for Colonoscope	1
14-1	Endoscopy	Esophagoscope	1
14-2	Endoscopy	Forceps for Esophagoscope	1
15-1	Endoscopy	Gastroscope	1
15-2	Endoscopy	Forceps for Gastroscope	1
17-1	Endoscopy	Light source for Fiberscope	1
17-2	Endoscopy	TV, Video set for Fiberscope	1
17-3	Endoscopy	Cabinet for Fiberscope	1
17-4	Endoscopy	Washing Instrument set for Fiberscope	1
17-6	Endoscopy	Suction for Endoscope	1
19-1	Endoscopy	Laparoscope for Diagnosis and Treatment	1
19-2	Endoscopy	Forceps for Laparoscope (with Forceps for Pediatric)	1
20-1	Endoscopy	Pediatric rigid bronchoscope	1
20-2	Endoscopy	Forceps for Pediatric rigid bronchoscope	1
22-1	Endoscopy	Ureteroscope Rigid type	1
22-2	Endoscopy	Forceps for Ureteroscope	1
23-1	Endoscopy	Light source for Rigidscope	1
23-2	Endoscopy	TV, Video set for Rigidscope	1
28	Gyn. Obst.	Fetal Monitor (Tococardiograph)	2
29	Gyn. Obst.	Vacuum Extractor	2
30	Gyn. Obst.	Obstetric Delivery table	1
34	ICU	Defibrillator	1
35	ICU	Electrocardiograph, 3 channels	1
36	ICU	External Pacemaker	1
38	ICU	Infusion Pump	7
40	ICU	Pulse Oximeter	4
41-1	ICU	Respirator for Adult/child	2
42	ICU	Syringe Pump	5
43	ICU	Ultrasonic Nebulizer	1
48	Laboratory, B. Bank	Bilirubinometer	1
49	Laboratory, B. Bank	Binocular Microscope	1
50	Laboratory, B. Bank	Blood bag pack (Bio Sealer)	1
51-1	Laboratory, B. Bank	Blood bank Refrigerator, large	1
52	Laboratory, B. Bank	Blood Donor's Chair	1
53	Laboratory, B. Bank	Blood Gas Analyzer	1
54	Laboratory, B. Bank	Cell Washer Centrifuge	1
55	Laboratory, B. Bank	Centrifuge up to 12000rpm, 10ml x 24	1
57	Laboratory, B. Bank	Cryotome (Microtome, Freeze Type)	1
58	Laboratory, B. Bank	Cytospin	1
59	Laboratory, B. Bank	Electrophoresis machine	1
60	Laboratory, B. Bank	Embedding Machine	1

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Rafidia Hospital

Item No	Department	Description	Quantity
61	Laboratory, B.Bank	Fume Hood	1
62	Laboratory, B.Bank	Hematology (Blood) Cell Counter	1
63	Laboratory, B.Bank	Knife Sharpener	1
64	Laboratory, B.Bank	Microtome	1
65	Laboratory, B.Bank	Multi-heads Microscope, with camera	1
66	Laboratory, B.Bank	Platelet Shaker with Incubator	1
68	Laboratory, B.Bank	Tissue Processor	1
69	Laboratory, B.Bank	Water Bath	1
70	Laboratory, B.Bank	Water Distiller (automatic) 4L/h	2
71-1	Laundry	Washer Extractor, large	1
71-2	Laundry	Washer Extractor, small	1
71-3	Laundry	Flatwork Ironer	1
71-4	Laundry	Drying Tumbler	1
71-5	Laundry	Cotton Press, Legger	1
71-6	Laundry	Cotton Press, Yoke, Shoulder	1
71-7	Laundry	Vacuum Iron Board	1
74-1	Operating Room	Anesthesia Machine	1
74-2	Operating Room	Ventilator for Anesthesia Machine	1
74-3	Operating Room	Monitor for Anesthesia Machine	1
75	Operating Room	Electric Surgery Unit	1
76	Operating Room	Operating Ceiling Lamps, Satellite 8x4	2
77	Operating Room	Operating Table, Electric Hydraulic	1
78	Orthopedic	Austin Moor's Instrument set with St. Container	1
79	Orthopedic	Kuntscher Nail Instrument set with St. Container	1
80	Orthopedic	Laminectomy Instrument with St. Container	1
81	Orthopedic	Pneumatic Bone Drill with St. Container	1
82	Orthopedic	Pneumatic Tourniquet	1
84	Orthopedic	Wire Tightener	1
85	Pediatric	Apnea Alarm	4
86	Pediatric	Infant Incubator, Double Wall	4
87	Pediatric	Oxygen Monitor	1
88	Pediatric	Phototherapy Unit	2
90	Pediatric Surgery	Basic Infant Surgical Inst. set with St. Container	1
91	Pediatric Surgery	Basic Pediatric Surgical Inst. set with St. Container	1
93	Pediatric Surgery	Vascular Surgical Inst. set	1
94	Pediatric Surgery	Warming Mattress	3
95	Plastic Surgery	Plastic Surgery Instruments set	1
96	Radiology	Automatic Film Processor	1
97	Radiology	CT Scanner (Continuous), Laser Imager	1
99	Radiology	Ultrasonic Equipment, Portable	1
100	Radiology	Ultrasound Equipment, General Use	1
101	Radiology	X-ray Fluoroscopy	1

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*As*

Ramallah Hospital

Item No	Department	Description	Quantity
4	Cardiac surgery	Coronary Bypass surgical set with St. Container	1
5	Cardiology	Echocardiography machine	1
6	Cardiology	Holter Analyzer	1
7	Cardiology	Holter Monitor	1
8-2	CSSD	Autoclave, 400 l. w/ steam generator	1
9	CSSD	Sealing Machine	1
10	CSSD	Tube Washing Machine	1
11-2	CSSD	Ultrasonic cleaner unit, large	1
12	CSSD	Water Softener for Sterilizer	1
15-1	Endoscopy	Gastroscope	1
15-2	Endoscopy	Forceps for Gastroscope	1
16-1	Endoscopy	Sigmoidoscope	1
16-2	Endoscopy	Forceps for Sigmoidoscope	1
17-1	Endoscopy	Light source for Fiberscope	1
17-2	Endoscopy	TV, Video set for Fiberscope	1
17-3	Endoscopy	Cabinet for Fiberscope	1
17-4	Endoscopy	Washing Instrument set for Fiberscope	1
17-6	Endoscopy	Suction for Endoscope	1
19-1	Endoscopy	Laparoscope for Diagnosis and Treatment	1
19-2	Endoscopy	Forceps for Laparoscope (with Forceps for Pediatric)	1
20-1	Endoscopy	Pediatric rigid bronchoscope	1
20-2	Endoscopy	Forceps for Pediatric rigid bronchoscope	1
21-1	Endoscopy	Thoracoscope	1
21-2	Endoscopy	Forceps for Thoracoscope	1
23-1	Endoscopy	Light source for Rigidscope	1
23-2	Endoscopy	TV, Video set for Rigidscope	1
26	General	Spirometer	1
28	Gyn. Obst.	Fetal Monitor (Tococardiograph)	2
29	Gyn. Obst.	Vacuum Extractor	1
30	Gyn. Obst.	Obstetric Delivery table	1
31	ICU	Blood Pressure Meter, Automatic/Electric measures	3
32-1	ICU	Central Monitoring System for 5 beds	1
34	ICU	Defibrillator	1
35	ICU	Electrocardiograph, 3 channels	1
38	ICU	Infusion Pump	7
39	ICU	Patient Emergency Cart	6
40	ICU	Pulse Oximeter	5
41-1	ICU	Respirator for Adult/child	2
41-2	ICU	Respirator for newborn	1
42	ICU	Syringe Pump	5
43	ICU	Ultrasonic Nebulizer	1
44-1	Kidney Hemodialysis	Hemodialysis Machine with Maintenance set	8
44-2	Kidney Hemodialysis	Osmometer	1
44-3	Kidney Hemodialysis	Electrolyte Analyzer	1
44-4	Kidney Hemodialysis	PH meter	1
45	Kidney Hemodialysis	Hemodialysis Chair	4
49	Laboratory, B.Bank	Binocular Microscope	1
50	Laboratory, B.Bank	Blood bag pack (Bio Sealer)	1

## Ramallah Hospital

Item No	Department	Description	Quantity
51-1	Laboratory, B. Bank	Blood bank Refrigerator, large	1
52	Laboratory, B. Bank	Blood Donor's Chair	1
53	Laboratory, B. Bank	Blood Gas Analyzer	1
54	Laboratory, B. Bank	Cell Washer Centrifuge	1
55	Laboratory, B. Bank	Centrifuge up to 12000rpm, 10ml x 24	1
59	Laboratory, B. Bank	Electrophoresis machine	1
62	Laboratory, B. Bank	Hematology (Blood) Cell Counter	1
66	Laboratory, B. Bank	Platelet Shaker with Incubator	1
67	Laboratory, B. Bank	Refrigerated Centrifuge	1
70	Laboratory, B. Bank	Water Distiller (automatic) 4L/h	2
73	Neuro-Surgery	Craniotomy Instrument set with St. Container	1
74-1	Operating Room	Anesthesia Machine	2
74-2	Operating Room	Ventilator for Anesthesia Machine	2
74-3	Operating Room	Monitor for Anesthesia Machine	2
75	Operating Room	Electric Surgery Unit	1
76	Operating Room	Operating Ceiling Lamps, Satellite 8x4	2
77	Operating Room	Operating Table, Electric Hydraulic	1
78	Orthopedic	Austin Moor's Instrument set with St. Container	1
79	Orthopedic	Kuntscher Nail Instrument set with St. Container	1
80	Orthopedic	Laminectomy Instrument with St. Container	1
81	Orthopedic	Pneumatic Bone Drill with St. Container	1
82	Orthopedic	Pneumatic Tourniquet	1
84	Orthopedic	Wire Tightener	1
85	Pediatric	Apnea Alarm	2
86	Pediatric	Infant Incubator, Double Wall	6
87	Pediatric	Oxygen Monitor	1
88	Pediatric	Phototherapy Unit	3
89	Pediatric	Transport Incubator	1
90	Pediatric Surgery	Basic Infant Surgical Inst. set with St. Container	1
91	Pediatric Surgery	Basic Pediatric Surgical Inst. set with St. Container	1
92	Pediatric Surgery	Esophageal dilator set	1
93	Pediatric Surgery	Vascular Surgical Inst. set	1
94	Pediatric Surgery	Warming Mattress	3
95	Plastic Surgery	Plastic Surgery Instruments set	1
96	Radiology	Automatic Film Processor	1
98	Radiology	Mobile X-ray	1
99	Radiology	Ultrasonic Equipment, Portable	1
100	Radiology	Ultrasound Equipment, General Use	1
101	Radiology	X-ray Fluoroscopy	1
102	Radiology	X-ray for General Purpose (Bucky)	1

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Beit Jala Hospital

Item No	Department	Description	Quantity
8-1	CSSD	Autoclave, 250 L. w/ steam generator	2
9	CSSD	Sealing Machine	1
10	CSSD	Tube Washing Machine	1
11-2	CSSD	Ultrasonic cleaner unit, large	1
16-1	Endoscopy	Sigmoidoscope	1
16-2	Endoscopy	Forceps for Sigmoidoscope	1
17-1	Endoscopy	Light source for Fiberscope	1
17-2	Endoscopy	TV, Video set for Fiberscope	1
17-3	Endoscopy	Cabinet for Fiberscope	1
17-4	Endoscopy	Washing Instrument set for Fiberscope	1
17-6	Endoscopy	Suction for Endoscope	1
22-1	Endoscopy	Ureteroscope for Rigid type	1
22-2	Endoscopy	Forceps for Ureteroscope	1
22-3	Endoscopy	Cystoscope with Resectomy Instrument	1
23-1	Endoscopy	Light source for Rigid scope	1
27	General	Suction Mobil	2
28	Gyn. Obst.	Fetal Monitor (Tocardiograph)	2
29	Gyn. Obst.	Vacuum Extractor	1
30	Gyn. Obst.	Obstetric Delivery table	1
31	ICU	Blood Pressure Meter, Automatic/Electric measures	2
33	ICU	Patient Monitor, Bedside type	4
34	ICU	Defibrillator	1
35	ICU	Electrocardiograph, 3 channels	2
36	ICU	External Pacemaker	1
37	ICU	ICU Bed	4
38	ICU	Infusion Pump	4
40	ICU	Pulse Oximeter	2
41-1	ICU	Respirator for Adult/child	2
42	ICU	Syringe Pump	2
43	ICU	Ultrasonic Nebulizer	1
48	Laboratory, B. Bank	Bilirubinometer	1
51-2	Laboratory, B. Bank	Blood bank Refrigerator, small	1
54	Laboratory, B. Bank	Cell Washer Centrifuge	1
55	Laboratory, B. Bank	Centrifuge up to 12000rpm, 10ml x 24	1
56	Laboratory, B. Bank	Chemistry Analyzer	1
62	Laboratory, B. Bank	Hematology (Blood) Cell Counter	1
70	Laboratory, B. Bank	Water Distiller (automatic) 4L/h	2
75	Operating Room	Electric Surgery Unit	1
85	Pediatric	Apnea Alarm	2
86	Pediatric	Infant Incubator, Double Wall	4
87	Pediatric	Oxygen Monitor	1
88	Pediatric	Phototherapy Unit	3
89	Pediatric	Transport Incubator	1
91	Pediatric Surgery	Basic Pediatric Surgical Inst. set with St. Container	1
94	Pediatric Surgery	Warming Mattress	2
96	Radiology	Automatic Film Processor	1
98	Radiology	Mobile X-ray	1
99	Radiology	Ultrasonic Equipment, Portable	1
100	Radiology	Ultrasound Equipment, General Use	1
101	Radiology	X-ray Fluoroscopy	1

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Bethlehem Hospital

Item No	Department	Description	Quantity
24	General	E.C.G. One Channel	1
25	General	Electroencephalograph (EEG)	1
34	ICU	Defibrillator	1
35	ICU	Electrocardiograph, 3 channels	1

## Hebron Hospital

Item No	Department	Description	Quantity
6	Cardiology	Holter Analyzer	1
7	Cardiology	Holter Monitor	1
14-1	Endoscopy	Esophagoscope	1
14-2	Endoscopy	Forceps for Esophagoscope	1
16-1	Endoscopy	Sigmoidoscope	1
16-2	Endoscopy	Forceps for Sigmoidoscope	1
17-1	Endoscopy	Light source for Fiberscope	1
17-2	Endoscopy	TV, Video set for Fiberscope	1
17-3	Endoscopy	Cabinet for Fiberscope	1
17-4	Endoscopy	Washing Instrument set for Fiberscope	1
17-6	Endoscopy	Suction for Endoscope	1
18-1	Endoscopy	Arthroscope, rigid type	1
18-2	Endoscopy	Forceps for Arthroscope	1
19-1	Endoscopy	Laparoscope for Diagnosis and Treatment	1
19-2	Endoscopy	Forceps for Laparoscope (with Forceps for Pediatric)	1
23-1	Endoscopy	Light source for Rigidscope	1
23-2	Endoscopy	TV, Video set for Rigidscope	1
35	ICU	Electrocardiograph, 3 channels	2
36	ICU	External Pacemaker	1
38	ICU	Infusion Pump	7
40	ICU	Pulse Oximeter	2
43	ICU	Ultrasonic Nebulizer	1
44-1	Kidney Hemodialysis	Hemodialysis Machine with Maintenance set	8
44-2	Kidney Hemodialysis	Osmometer	1
44-3	Kidney Hemodialysis	Electrolyte Analyzer	1
44-4	Kidney Hemodialysis	PII meter	1
45	Kidney Hemodialysis	Hemodialysis Chair	3
47	Laboratory, B. Bank	Automatic Stainer	1
48	Laboratory, B. Bank	Bilirubinometer	1
49	Laboratory, B. Bank	Binocular Microscope	1
51-1	Laboratory, B. Bank	Blood bank Refrigerator, large	1
52	Laboratory, B. Bank	Blood Donor's Chair	1
53	Laboratory, B. Bank	Blood Gas Analyzer	1
54	Laboratory, B. Bank	Cell Washer Centrifuge	1
55	Laboratory, B. Bank	Centrifuge up to 12000rpm, 10ml x 24	1
62	Laboratory, B. Bank	Hematology (Blood) Cell Counter	1
67	Laboratory, B. Bank	Refrigerated Centrifuge	1
70	Laboratory, B. Bank	Water Distiller (automatic) 4L/h	2
74-1	Operating Room	Anesthesia Machine	3
74-2	Operating Room	Ventilator for Anesthesia Machine	3
74-3	Operating Room	Monitor for Anesthesia Machine	3
75	Operating Room	Electric Surgery Unit	1
76	Operating Room	Operating Ceiling Lamps, Satellite 8x4	3
77	Operating Room	Operating Table, Electric Hydraulic	2
78	Orthopedic	Austin Moor's Instrument set with St. Container	1
79	Orthopedic	Kuntscher Nail Instrument set with St. Container	1
80	Orthopedic	Laminectomy Instrument with St. Container	1
81	Orthopedic	Pneumatic Bone Drill with St. Container	1
82	Orthopedic	Pneumatic Tourniquet	1
84	Orthopedic	Wire Tightener	1

### Hebron Hospital

Item No	Department	Description	Quantity
86	Pediatric	Infant Incubator, Double Wall	4
87	Pediatric	Oxygen Monitor	1
88	Pediatric	Phototherapy Unit	3
91	Pediatric Surgery	Basic Pediatric Surgical Inst. set with St. Container	1
94	Pediatric Surgery	Warming Mattress	3
96	Radiology	Automatic Film Processor	1
97	Radiology	CT Scanner (Continuous), Laser Imager	1
98	Radiology	Mobile X-ray	1
99	Radiology	Ultrasonic Equipment, Portable	1
100	Radiology	Ultrasound Equipment, General Use	1
101	Radiology	X-ray Fluoroscopy	1
102	Radiology	X-ray for General Purpose (Bucky)	1

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Central workshop

Item No	Department	Description	Quantity
72-1	Maintenance	Soldering desoldering station	3
72-2	Maintenance	Avometer	10
72-3	Maintenance	Complete tool kit	4
72-4	Maintenance	Analog IC tester	3
72-5	Maintenance	Digital IC tester	3
72-6	Maintenance	Lens and lamp	3
72-7	Maintenance	Clamp multimeter	3
72-8	Maintenance	Storage cabinet	3
72-9	Maintenance	Digital earth tester	1
72-10	Maintenance	ECG simulator	5
72-11	Maintenance	Defibrillator tester	2
72-12	Maintenance	Electro surgical unit tester	2
72-13	Maintenance	Oscilloscope	2
72-14	Maintenance	Power Supply	1
72-15	Maintenance	Function generator	1

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## JAPAN'S GRANT AID PROGRAM

### 1. Japan's Grant Aid Procedures

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

**Application** (Request made by a recipient country)

**Study** (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 the 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 Grand 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 the Project to see whether or not it is suitable for Japan's Grant Aid Program, based on the Basic Design Study Report prepared by JICA and the results are then submitted to the Cabinet for approval.

Fourthly, the Project approved by the Cabinet becomes official when pledged by the Exchange of Notes signed by the 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 document 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 of agencies concerned of the recipient country necessary for project implementation,
- 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 the 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 Firm(s)

For smooth implementation of the study, JICA uses (a) consulting firm(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 firm(s) used for the study is (are) recommended by JICA to a recipient country after Exchange of Notes, in order to maintain technical consistency and also to avoid 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

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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.

(2) Exchange of 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.

(3) "The period of the Grant Aid" means one Japanese fiscal year which the Cabinet approves the Project for. Within the fiscal year, all procedure such as Exchange of Notes, concluding a contract with (a) consulting firm(s) and (a) contractor(s) and a final payment to them must be completed.

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

When the two Governments deem it necessary, the Grant may be used for the purchase of products or services of a third country 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 expenses 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 (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 Government of the recipient country or its designated authority under the contracts verified.
- b) The payments will be made when payment requests are presented by the Bank to the Government of Japan under an Authorization to Pay issued by the Government of the recipient country or its designated authority.

NECESSARY MEASURES TO BE TAKEN  
BY THE PALESTINIAN AUTHORITY

1. to provide data and information necessary for the Project,
2. to secure the site for the Project,
3. to bear commissions to the Japanese foreign exchange bank for its banking service based upon the Banking Arrangement (B/A), namely the advertising commission of the Authorization to Pay (A/P) and payment commission,
4. to ensure tax exemption, customs clearance at the port of disembarkation and prompt internal transportation therein of the materials and equipment for the Project purchased under the Grant Aid,
5. to exempt Japanese juridical and physical nationals engaged in the Project from customs duties, internal taxes and other fiscal levies which may be imposed in Palestine with respect to the supply of the products and services under the verified contracts,
6. 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 Palestine and stay therein for the performance of their work,
7. to provide necessary permissions, licenses and other authorizations for implementing the Project, if necessary,
8. to assign appropriate budget and staff for proper and effective operation and maintenance of equipment procured under the Grant Aid,
9. to maintain and use properly and effectively the equipment procured under the Project, and
10. to bear all the expenses, other than those to be borne by the Japan's Grant Aid within the scope of the Project











JICA