

Annex-2

Equipment List for Al-Basheer Hospital

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| No.  | Department                           | Equipment                               |
|------|--------------------------------------|---|
| A-1  | Radiology                            | General X-ray                           |
| A-2  | Radiology                            | Fluoroscopy                             |
| A-3  | Radiology                            | Laser imager                            |
| A-4  | Radiology                            | Automatic developer                     |
| A-5  | Radiology                            | Mobile X-ray                            |
| A-6  | Obstetric & Gynecology               | Laparoscopy set                         |
| A-7  | Obstetric & Gynecology               | Operation table                         |
| A-8  | Obstetric & Gynecology               | Bedside monitor                         |
| A-9  | Obstetric & Gynecology               | Electro surgical unit                   |
| A-10 | Obstetric & Gynecology               | Suction unit                            |
| A-11 | Obstetric & Gynecology               | High pressure steam sterilizer          |
| A-12 | Operation theater at surgery dept.   | Laparoscopy set                         |
| A-13 | Operation theater at surgery dept.   | Operation table                         |
| A-14 | Operation theater at surgery dept.   | Operation light                         |
| A-15 | Operation theater at surgery dept.   | Suction unit                            |
| A-16 | Operation theater at surgery dept.   | Operation microscope for neurosurgery   |
| A-17 | Operation theater at surgery dept.   | Ultrasound apparatus for intraoperative |
| A-18 | Operation theater at surgery dept.   | Ultrasound surgical unit                |
| A-19 | Operation theater at surgery dept.   | Electro surgical unit                   |
| A-20 | Operation theater at surgery dept.   | Vital sign monitor                      |
| A-21 | Operation theater at surgery dept.   | Defibrillator                           |
| A-22 | Operation theater at surgery dept.   | High pressure steam sterilizer          |
| A-23 | Operation theater at surgery dept.   | Resectoscope                            |
| A-24 | Operation theater at surgery dept.   | Urethroscope                            |
| A-25 | Operation theater at emergency dept. | Operation table                         |
| A-26 | Operation theater at emergency dept. | Operation table for orthopedic          |
| A-27 | Operation theater at emergency dept. | Operation light                         |
| A-28 | Operation theater at emergency dept. | Suction unit                            |
| A-29 | Operation theater at emergency dept. | Electro surgical unit                   |
| A-30 | Operation theater at emergency dept. | Bedside monitor                         |
| A-31 | Operation theater at emergency dept. | Defibrillator                           |
| A-32 | Operation theater at emergency dept. | Arthroscopy                             |
| A-33 | Operation theater at emergency dept. | C-arm X-ray                             |
| A-34 | ICU at emergency dept.               | Monitoring system for 8 beds            |
| A-35 | ICU at emergency dept.               | Defibrillator                           |
| A-36 | ICU at emergency dept.               | Ventilator                              |
| A-37 | ICU at emergency dept.               | Syringe pump                            |
| A-38 | ICU at emergency dept.               | Infusion pump                           |
| A-39 | ICU at emergency dept.               | ICU bed                                 |

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| No.  | Department                  | Equipment                     |
|------|-----------------------------|-------------------------------|
| A-40 | CCU                         | Monitoring system for 10 beds |
| A-41 | CCU                         | ECG                           |
| A-42 | CCU                         | Defibrillator                 |
| A-43 | Chest department            | Bronchoscope set              |
| A-44 | Chest department            | Spiro meter                   |
| A-45 | Endoscopy                   | Video endoscope set           |
| A-46 | ICU for pediatric & neonate | Infant incubator              |
| A-47 | ICU for pediatric & neonate | Ventilator for neonate        |
| A-48 | ICU for pediatric & neonate | Phototherapy unit             |
| A-49 | ICU for pediatric & neonate | Infant care unit              |
| A-50 | ICU for pediatric & neonate | Infusion pump                 |
| A-51 | ICU for pediatric & neonate | Bedside monitor               |
| A-52 | ICU for pediatric & neonate | Blood gas analyzer            |
| A-53 | ICU for pediatric & neonate | Bilirubin meter               |

Remark: Q'ty of the Equipment will be decided after further survey.

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Equipment List for Karak Hospital

| No.  | Department                  | Equipment               | Q'ty |
|------|-----------------------------|-------------------------|------|
| K-1  | Radiology                   | General X-ray           | 1    |
| K-2  | Obstetric & Gynecology      | Cardio toco graph (CTG) | 1    |
| K-3  | Obstetric & Gynecology      | Vacuum extractor        | 1    |
| K-4  | Obstetric & Gynecology      | Colposcope              | 1    |
| K-5  | Obstetric & Gynecology      | Hysteroscope            | 1    |
| K-6  | Operation theater           | Operation table         | 2    |
| K-7  | Operation theater           | Vital sign monitor      | 1    |
| K-8  | Operation theater           | C-arm X-ray             | 1    |
| K-9  | ICU                         | Ventilator              | 2    |
| K-10 | ICU                         | ECG                     | 1    |
| K-11 | ICU                         | Suction unit            | 2    |
| K-12 | ICU at emergency department | Bedside monitor         | 3    |
| K-13 | ICU at emergency department | Ventilator              | 1    |
| K-14 | ICU at emergency department | Mobile X-ray            | 1    |
| K-15 | ICU at emergency department | Blood gas analyzer      | 1    |
| K-16 | ICU at emergency department | Pulse oximeter          | 2    |
| K-17 | NICU                        | Infant incubator        | 4    |
| K-18 | NICU                        | Infant ventilator       | 1    |
| K-19 | NICU                        | Infant care unit        | 1    |
| K-20 | NICU                        | Neonatal monitor        | 1    |
| K-21 | Laboratory                  | Centrifuge              | 2    |
| K-22 | Laboratory                  | Water bath              | 1    |
| K-23 | Laboratory                  | Microscope              | 2    |

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Equipment List for Ma'an Hospital

| No.  | Department             | Equipment                                    | Q'ty |
|------|------------------------|--|------|
| M-1  | Radiology              | General X-ray                                | 1    |
| M-2  | Radiology              | Fluoroscopy                                  | 1    |
| M-3  | Radiology              | Ultrasound                                   | 1    |
| M-4  | ENT                    | Treatment unit                               | 1    |
| M-5  | Hemodialysis           | Hemodialysis unit                            | 1    |
| M-6  | Obstetric & Gynecology | Cardio toco graph (CTG)                      | 2    |
| M-7  | Obstetric & Gynecology | Laser unit                                   | 1    |
| M-8  | Obstetric & Gynecology | Hysteroscope                                 | 1    |
| M-9  | Obstetric & Gynecology | Laparoscope                                  | 1    |
| M-10 | Obstetric & Gynecology | Operation table                              | 2    |
| M-11 | Obstetric & Gynecology | Operation light                              | 2    |
| M-12 | Obstetric & Gynecology | Ultrasound                                   | 1    |
| M-13 | Obstetric & Gynecology | Delivery table                               | 2    |
| M-14 | Obstetric & Gynecology | Vacuum extractor                             | 1    |
| M-15 | Obstetric & Gynecology | Drying oven                                  | 1    |
| M-16 | Obstetric & Gynecology | Anesthesia machine                           | 1    |
| M-17 | Neonatal department    | Ventilator for neonate                       | 2    |
| M-18 | Neonatal department    | Blood gas analyzer                           | 1    |
| M-19 | Neonatal department    | Phototherapy unit                            | 2    |
| M-20 | Neonatal department    | Resuscitation set                            | 2    |
| M-21 | Neonatal department    | Mobile X-ray                                 | 1    |
| M-22 | Neonatal department    | Bilirubin meter                              | 1    |
| M-23 | Operation theater      | Operation microscope for ophthalmology       | 1    |
| M-24 | Operation theater      | Operation table                              | 1    |
| M-25 | Operation theater      | C-arm X-ray                                  | 1    |
| M-26 | Operation theater      | Surgical instrument set for mastoidectomy    | 2    |
| M-27 | Operation theater      | Surgical instrument set for circumcision     | 2    |
| M-28 | Operation theater      | Surgical instrument set for pediatric        | 2    |
| M-29 | Operation theater      | Surgical instrument set for orthopedic       | 2    |
| M-30 | Operation theater      | Surgical instrument set for thyroidectomy    | 2    |
| M-31 | Operation theater      | Surgical instrument set for hemorrhoidectomy | 2    |
| M-32 | Operation theater      | Surgical instrument set for cholo-cystectomy | 2    |
| M-33 | Operation theater      | Surgical instrument set for craniotomy       | 2    |
| M-34 | Operation theater      | Surgical instrument set for ophthalmology    | 2    |
| M-35 | ICU                    | Ventilator                                   | 1    |
| M-36 | ICU                    | ECG  | 1    |
| M-37 | Endoscopy              | Endoscopy set for upper and lower            | 1    |
| M-38 | Blood bank             | Blood bank refrigerator                      | 1    |

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Annex-3

**Japan's Grant Aid**

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

**1. Japan's Grant Aid Procedures**

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

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

**Study** (Basic Design Study conducted by JICA)

**Appraisal & Approval** (appraisal by the Government of Japan and approval by the Cabinet of Japan)

**Determination of Implementation** (Exchange of Notes between both Governments)

**Implementation** (implementation of the Project)

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

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

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

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

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

**2. Basic Design Study**

(1) Contents of the Study

The aim of the Basic Design Study (hereinafter referred to as "the Study"), conducted by JICA on a requested project (hereinafter referred to as "the Project") is to provide a basic document necessary for appraisal of the project by the Japanese Government. The contents of the Study are as follows:

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- a) Confirmation of the background, objectives, and benefits of the Project and also institutional capacity of agencies concerned of the recipient country necessary for the Project's implementation,
- b) Evaluation of the appropriateness of the Project for the Grant Aid Scheme from a technical, social and economical point of view,
- c) Confirmation of items agreed on by the both parties concerning a basic concept of the Project,
- d) Preparation of a basic design of the Project,
- e) Estimation of cost of the Project,

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

The Government of Japan requests the Government of the recipient country to take whatever measures are necessary to ensure its self-reliance in the implementation of the Project. Such measures must be guaranteed even though they may fall outside of the jurisdiction of the organization in the recipient country actually implementing the Project. Therefore, the implementation of the Project is confirmed by all relevant organizations of the recipient country through the Minutes of Discussions.

#### (2) Selection of Consultants

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

The consulting firm(s) used for the study is (are) recommended by JICA to a recipient country to also work in the Project's implementation after Exchange of Notes, in order to maintain technical consistency between the Basic Design and detailed Design.

### 3. Japan's Grant Aid Scheme

#### (1) Exchange of Notes (E/N)

Japan's Grant Aid is extend in accordance with the Notes exchanged by the two Government concerned, in which the objectives of the Project, period of execution, conditions and amount of the Grant Aid etc., are confirmed.

(2) "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 exchanging of the Notes, concluding a contract with (a) consulting firm(s) and (a) contractor(s) and final payment to them must be completed.

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However, in case of delays in delivery, installation of construction due to unforeseen factors such as weather, the period of the Grant Aid can be further extended for a maximum of one fiscal year at most by mutual agreement between the two Governments.

(3) Under the Grant, in principle, Japanese products and services including transport or those of the recipient country are to be purchased.

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

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

(4) Necessity of the "Verification"

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

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

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

- a) To secure land necessary for the sites of the project, and to clear, level and reclaim the land prior to commencement for the construction,
- 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 installation of the 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 may 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.

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(6) Proper Use

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

(7) Re-export

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

(8) Banking Arrangement (B/A)

- a) The Government of the recipient country or its designated authority should open an account in the name of the Government of the recipient country in an authorized foreign 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 Verified Contracts.
- b) The payments will be made when payment requests are presented by the bank to the Government of Japan under an Authorization to Pay (A/P) issued by the Government of the recipient country or its designated authority.

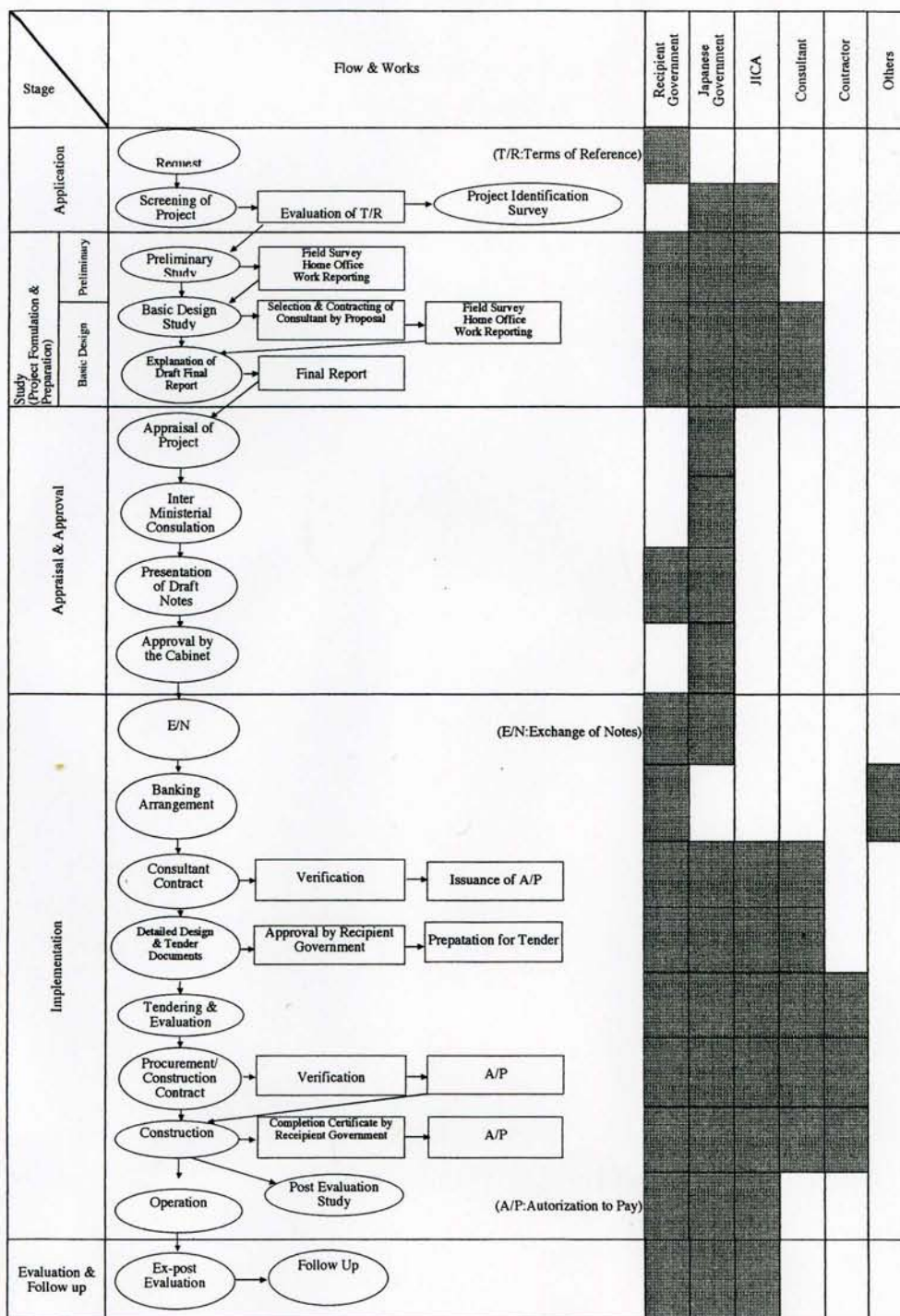
(9) Authorization to Pay (A/P)

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

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Annex-4

# Flow Chart of Japan's Gran Aid Procedures



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Annex-5

Major Undertakings to be taken by Each Government

| NO | Items   | To be covered by<br>Grant Aid | To be covered by<br>Recipient side |
|----|---|-------------------------------|------------------------------------|
| 1  | To bear the following commissions to a bank of Japan for the banking services based upon the B/A  |                               |                                    |
|    | 1) Advising commission of A/P   |                               | ●                                  |
|    | 2) Payment commission   |                               | ●                                  |
| 2  | To ensure prompt unloading and customs clearance at the port of disembarkation in recipient country   |                               |                                    |
|    | 1) Marine(Air) transportation of the products from Japan to the recipient country   | ●                             |                                    |
|    | 2) Tax exemption and custom clearance of the products at the port of disembarkation   |                               | ●                                  |
|    | 3) Internal transportation from the port of disembarkation to the project site  | (●)                           | (●)                                |
| 3  | To accord Japanese nationals whose services may be required in connection with the supply of the products and the services under the verified contract, such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work |                               | ●                                  |
| 4  | To exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which may be imposed in the recipient country with respect to the supply of the products and services under the verified contracts.  |                               | ●                                  |
| 5  | To maintain and use properly and effectively the facilities constructed and equipment provided under the Grant Aid  |                               | ●                                  |
| 6  | To bear all the expenses, other than those to be borne by the Grant Aid, necessary for the transportation and installation of the equipment   |                               | ●                                  |

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Annex-6

Criteria to select the Equipment

Positive points:

- P1: Equipment that is to be replaced for existing old / deteriorated equipment
- P2: Equipment that is to be a supplement for the equipment lacking distinctly in its quantity
- P3: Equipment that is required for basic treatment / diagnosis
- P4: Equipment that is easy to operate and maintain
- P5: Equipment that may give much benefit / effect to health care facility
- P6: Equipment that is highly cost-effective
- P7: Equipment that is for its medical usefulness (necessity)
- P8: Equipment that can be operated by hospital's current technical capabilities
- P9: Equipment that can be operated/maintained by hospital staff
- P10: Equipment that matches with hospital's social position / function (referral system, local needs, etc.)
- P11: Equipment that can be expected to be useful with other donor's assistance

Negative points:

- N1: Equipment that charges expensive operation/maintenance cost
- N2: Equipment that has limited benefits / effect to health care facilities
- N3: Equipment that is less cost-effective
- N4: Equipment that is not for treatment/diagnosis use, but for academic research purpose
- N5: Equipment that can be substituted with simple ones
- N6: Equipment that may cause environmental pollution by its medical waste, etc.
- N7: Equipment that is not for its medical usefulness (necessity)
- N8: Equipment that is for personal usage by hospital staff (not medical use)
- N9: Equipment that has more than minimum required quantity (inefficient, repetitive equipment)
- N10: Equipment that can be procured in Jordan easily by Jordanian side
- N11: Equipment that is difficult to locally procure its spare parts, consumables and reagents
- N12: Equipment that cannot be operated by hospital's current technical capability
- N13: Equipment that seems to be difficult to operate / maintain by present hospital's staff
- N14: Equipment that does not match with hospital's social position / function (referral system, local needs, etc.)
- N15: Equipment that requires many infrastructures (water, electricity supply, drain, etc.) for its installation
- N16: Equipment that can be substituted by efficient usage of existing equipment
- N17: Equipment that requires connection with existing equipment

International standard:

Standard of WHO (ex. X-ray equipment, etc.) is applicable on case by case basis.

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〈Explanation of Draft Basic Design〉

MINUTES OF DISCUSSIONS  
ON BASIC DESIGN STUDY ON THE PROJECT FOR PROVISION OF MEDICAL  
EQUIPMENT FOR HOSPITALS OF MINISTRY OF HEALTH IN HASHEMITE KINGDOM OF  
JORDAN  
(EXPLANATION ON DRAFT REPORT)

In August 2005, the Japan International Cooperation Agency (hereinafter referred to as "JICA") dispatched a Basic Design Study Team on the Project for Provision of Medical Equipment for Hospitals of Ministry of Health (hereinafter referred to as "the Project") to Hashemite Kingdom of Jordan (hereinafter referred to as "Jordan"), and through discussion, field survey, and technical examination of the results in Japan, JICA prepared a draft report of the study.

In order to explain and to consult the Jordanian side on the components of the draft report, JICA sent to Jordan the Draft Report Explanation Team (hereinafter referred to as "the Team"), which is headed by Mr. Naoyuki Ochiai, Deputy Resident Representative, JICA Jordan Office, from November 22 to December 1, 2005.

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

Amman, November 30, 2005



Mr. Naoyuki Ochiai  
Leader  
Draft Report Explanation Team  
Japan International Cooperation Agency  
Japan



Dr. Taher H.T. Abu Elsamen  
Assistant Secretary General  
Planning & Development  
Ministry of Health  
Hashemite Kingdom of Jordan

## ATTACHMENT

### 1. Components of the Draft Report

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

### 2. Japan's Grant Aid scheme

The Jordanian side understands the Japan's Grant Aid Scheme and the necessary measures to be taken by the Government of Jordan as explained by the Team and described in Annex-4 and Annex-5 of the Minutes of Discussions signed by both parties on August 30, 2005.

### 3. Schedule of the Study

JICA will complete the final report in accordance with the confirmed item and send it to the Government of Jordan by the end of February 2006.

### 4. Other relevant issues

4-1 Both sides reconfirmed that the Jordanian side would take necessary measures to avoid duplication with other projects by the Jordanian side and/or other donors.

4-2 The Jordanian side promised to allocate the enough budget to each targeted hospital for the operation and maintenance of the equipment to be provided by the Project.

4-3 The Jordanian side agreed to cooperate with the Japanese side for evaluating the Project when needed.

4-4 To secure transparency and equity of the tendering procedure, both sides promised not to disclose information related to the Project to the third parties until tender opening.

Two handwritten signatures in black ink are located at the bottom right of the page. The first signature is a cursive-style name, and the second is a stylized monogram or set of initials.