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Appendix-1: Member List of the Study Team

1. Member List of the Study Team

(1) 1st Field Study

Name	Title	Organizarion
Hideo EGUCHI	Official members	Deputy Director General for Planning and Cordition, Human Develop Department, JICA
Mitsuo ISONO	Official members	Senior Adviser(health sector), JICA
Yoshimasa TAKEMURA	Official members	Assistant Director, Health Division 1, Health Group 1, Human Develop Department, JICA
Kenji ISHIDA	Consultant Leader / Medical & Health Planner	International Total Engineering Corporation (ITEC)
Shigehito AKAGI	Sub-Consultant Leader / Health Human Resources Development Planner	International Total Engineering Corporation (ITEC)
Masaru FUJINUMA	Architect & Facility Planner	YAMASHITA SEKKEI INC.
Katsuro YAJIMA	Equipment & Procurement Planner	International Total Engineering Corporation (ITEC)
Yusuke MORI	Construction Planner	YAMASHITA SEKKEI INC.

(2) 2nd Field Study

Name	Title	Organization
Mitsuo ISONO	Official members	Senior Adviser(health sector), JICA
Yoshimasa TAKEMURA	Official members	Assistant Director, Health Division 1, Health Group 1, Human Develop Department, JICA
Kenji ISHIDA	Consultant Leader / Medical & Health Planner	International Total Engineering Corporation (ITEC)
Shigehito AKAGI	Sub-Consultant Leader / Health Human Resources Development Planner	International Total Engineering Corporation (ITEC)
Masaru FUJINUMA	Architect & Facility Planner	YAMASHITA SEKKEI INC.
Katsuro YAJIMA	Equipment & Procurement Planner	International Total Engineering Corporation (ITEC)
Yusuke MORI	Construction Planner	YAMASHITA SEKKEI INC.
Nobuyuki ISHIDA	Economic & Financial Analysis Specialist	International Total Engineering Corporation (ITEC)

Appendix-2: Study Schedule

Study Schedule (1st Survey)

No.	Date		Official Member	Official Member	Official Member	Consultant Leader / Medicla & Health Planner	Sub-Consultant Leader / Health Human Resources Develop. Planner	Equipment & Procurement Planner	Architect & Facility Planner	Construction Planner	Staying
	1	12-Jan	AM PM	Hitoo EGUCHI	Yoshinasa TAKEMURA	Mitsuo ISONO, MD,PHD	Kenji ISHIDA	Shigehito AKAGI	Katsuro YAJIMA	Masaru FUJINUMA	Yusuke MORI
2	13-Jan	AM PM	FRA-ERB			FRA-ERB					Erbil
3	14-Jan	AM PM		Courtesy call on and meeting with JICA Erbil Office							Erbil
4	15-Jan	AM PM		Security briefing							Baghdad
5	16-Jan	AM PM		Visit to Rizgari Hospital & Erbil Teaching Hospital							Baghdad
6	17-Jan	AM PM		ERB-(SLM)-BGW							Baghdad
7	18-Jan	AM PM		Kick-off meeting with MOP, MOH and MOE							Baghdad
8	19-Jan	AM PM		Courtesy call on EOI							Baghdad
9	20-Jan	AM PM		Meeting with MOH, MOE							Baghdad
10	21-Jan	AM PM		Courtesy call on Prime Minister Advisory Commission							Baghdad
11	22-Jan	AM PM		Meeting with MOH, MOE							Baghdad
12	23-Jan	AM PM		Meeting with MOH							Baghdad
13	24-Jan	AM PM		Meeting with MOH							Baghdad
14	25-Jan	AM PM		Report to Prime Minister Advisory Commission							Baghdad
15	26-Jan	AM PM		Report to EOI							Baghdad
16	27-Jan	AM PM		Team Meeting							Baghdad
17	28-Jan	AM PM		Team Meeting							Baghdad
18	29-Jan	AM PM		Team Meeting							Baghdad
19	30-Jan	AM PM		Team Meeting							Baghdad
				Meeting with MOH							Baghdad
				Courtesy call on Deputy Minister							Baghdad
				Meeting with MOH							Baghdad
				BGW-AMM							in flight
				AMM-FRA							in flight
				FRA-NRT							in flight
				NRT							

NRT = Narita, FRA = Frankfurt, ERB = Erbil, BGW = Baghdad, AMM = Amman
EOI = Embassy of Japan in the Republic of Iraq, MOH = Ministry of Health, MOHE = Ministry of Higher Education

Study Schedule (2nd Survey)

		Official members		Consultant Leader/ Medical & Health Planner	Sub-Consultant Leader/ Health Human Resources Develop. Planner	Equipment & Procurement Planner	Construction Planner	Economic & Financial Analysis Specialist	Architect & Facility Planner	Staying
		Mitsuo ISONO	Yoshimasa TAKEMURA							
	7-Apr	AM		Kenji ISHIDA	Shigehito AKAGI	Katsuro YAJIMA	Yusuke MORI	Nobuyuki ISHIDA	Masaru FUJINUMA	
		PM								
	8-Apr	AM								
		PM								
1	9-Apr	AM		NRT-AUH						in flight
		PM								
2	10-Apr	AM		AUH-BGW						Baghdad
		PM								
3	11-Apr	AM		Meeting with MOH and DOH						Baghdad
		PM								
4	12-Apr	AM		Meeting with MOH and MOHE						Baghdad
		PM								
5	13-Apr	AM		Meeting with MOE						Baghdad
		PM								
6	14-Apr	AM		Facility survey in BGD (Kadhimya Teaching Hospital)						Baghdad
		PM		Facility survey in BGD (Kadhimya Private Hospital)						
7	15-Apr	AM		Team Meeting						Baghdad
		PM								
8	16-Apr	AM	NRT-AUH	Team Meeting						Baghdad
		PM								
9	17-Apr	AM	AUH-BGW	Meeting with MOH						Baghdad
		PM		Courtesy call on Deputy Minister of Health						
10	18-Apr	AM	Facility survey in BGW (Al Karkh hospital)							Baghdad
		PM	Meeting with MOH							
11	19-Apr	AM	Facility survey in BGW (Medical city)							Baghdad
		PM	Meeting with MOH, MOP and MOE (minutes)							
12	20-Apr	AM	Courtesy call on EOJ							Baghdad
		PM								
13	21-Apr	AM	BGW-AUH	BGW-AUH						in flight
		PM	AUH-	AUH-(PEK)-NGO						
		PM	AUH-	NGO-NRT						
14	22-Apr	AM								
		PM								

NRT=Narita, JAPAN NGO=Nagoya, JAPAN AUH=Abudabi, UAE BGW=Baghdad, IRAQ AMM=Amman
 MOHE=Ministry of Health MOP=Ministry of Planning EOJ=Embassy of Japan
 MOHE=Ministry of Higher Education MOE=Ministry of Environmental

Appendix-3: List of Parties Concerned in the Recipient Country

3. List of Parties Concerned in the Recipient Country

(1) 1st Field Study

1. Ministry of Health

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
1-1.	Dr. Essam N. Abdullah	Deputy Minister	
1-2.	Eng. Dhafir M. Khelef	Director General	Project & Engineering Services Directorate
1-3.	Dr. Hassan H. Baker Al-kazzaz	Director General	Planning Directorate
1-4.	Dr. Aymen Mahmoud	Director of Health policies & planning	Planning Directorate
1-5.	Dr. Ahlem Aziz Ali	Donor Section Director	
1-6.	Dr. Ali Al Alwachi	Head of Division	Health policy department
1-7.	Dr. Hayder Al Rubbia	Head of Division	Human resource department
1-8.	Eng. Hashem Hamiya Mohamad	Chief Eng.	Eng. Service Directorate
1-9.	Arc. Saad Hameed Al-anbaki	Head of Architect section	Project & Engineering Services Directorate

2. Ministry of Planning

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
2-1.	Ms. Huda A Malik	D.G. of International Cooperation	
2-2.	Ms. Agood Al Saad	Head of Division	Technical Cooperation Section
2-3.	Mr. Metheq W. Mohammed	Coordinator	

3. Ministry of Higher Education and Scientific Research

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
3-1.	Dr. Jamal Abbas Al-Adely	Head of International & Arab Organization	
3-2.	Mr. Ismael Muwad	Reconstruction Department Manager	
3-3.	Dr. Thikra Alwash	Project Department Manager	
3-4.	Mr. Salem Hadi	Legal & Administration	
3-5.	Mr. Ahmed A Mijed	Engineer	

4. Prime Minister Advisory Commission

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
4-1.	Dr. Thamir A. Ghadhban	Chairman	
4-2.	Mr. Areej Yousif	Office, Organizer	
4-3.	Mr. Ali Muhamad	Economic Adviser	

5. Rizagary Teaching Hospital

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
5-1.	Dr. Sirwan A. Garota Surgeon	Director	
5-2.	Dr. Roward Abdul-majed Surgeon	Assistant Director	
5-3.	Ms. Pravda Ismail	Chief Engineer	

6. Erbil Teaching Hospital

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
6-1.	Dr. Wlat Yasin	Manager	
6-2.	Mr. Nihro Abdullah	Deputy Manager	

7. Japan Iraq Medical Network (NGO)

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
7-1.	Ms. Keiko KAWAZOE	Nurse	

8. Embassy of Japan in Iraq

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
8-1.	Mr. Katsuhiko TAKAHASHI	Minister	
8-2.	Mr. Takema SAKAMOTO	Counsellor	Economic Affairs
8-3.	Mr. Yuichi YAMADA	First Secretary	Economic and Economic Cooperation Section
8-4.	Mr. Kenichi SHOJI	First Secretary	Economic and Economic Cooperation Section

9. JICA Iraq Office

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
9-1.	Mr. Masaaki MATSUSHIMA	Chief Representative	
9-2.	Mr. Kazuyoshi YAMASHITA	Project Advisor	
9-3.	Ms. Mariko SENDA	Project formulation Advisor	
9-4.	Mr. Martin Grixoni	Security Advisor	

10. JICA Baghdad Office

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
10-1.	Mr. Ihsan Alwan	Program Officer	
10-2.	Mr. Ali Al Aswad	Local Consultant	
10-3.	Mr. Fadhil Salman	Program Officer	

(2) 2nd Field Study

1. Ministry of Health

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
1-1.	Dr. Essam N. Abdullah	Deputy Minister	
1-2.	Dr. Thair Abbas Thair	Deputy Director General	Project & Engineering Services Directorate
1-3.	Eng. Hashem Hamiya Mohamad	Chief Eng.	Eng. Service Directorate
1-4.	Dr. Ali Al Alwachi	Head of Division	Health policy department
1-5.	Ms. Suhad Hussain	Planning office	Statistics department
1-6.	Mr. Thair Jafar		Project & Engineering Services Directorate
1-7.	Mr. Ibrahim Jasim		Project & Engineering Services Directorate
1-8.	Dr. Emad Jaled	Manager of Nursing Department	
1-9.	Mr. Ala'a Mahameed	Nursing Department	

2. Planning Education Department in Nassiriyah, Theeqar

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
2-1.	Mr. Raed M. Hassan	Director of Statistic department	

3. Al Ashatra Hospital, Theeqar

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
3-1.	Mr. Nawras Al-Ubudi	Director of statistic in Shatra Hospital	
3-2.	Mr. Mamdouh Almeyah	Manager of Shatra Hospital	

4. Department of Health, Kirkuk

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
4-1.	Dr. Hussein I. Ahmed	Deputy DG	
4-2.	Mr. Najah Farhad	Planning Department	

5. Department of Health, Salaheddin

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
5-1.	Mr. Ali A. Aljalil	Planning Department	

6. Al Ashurqat Hospital, Salaheddin

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
6-1.	Dr. Mohamed hammid Algeborri	Manager	

7. Hindia General Hospital, Karbalaa

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
7-1.	Dr. Ali Al-Hussaini	Director	
7-2.	Mr. Kder Abass Mahmed	Statistics	

8. Department of Health, Basra

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
8-1.	Mr. Abdulaby Aathem Supty	Statistics	

9. Al Mdaina Hospital, Basrah

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
9-1.	Dr. Magid Al Mudfer	Manager	
9-2.	Dr. Aqeel Zeki	Assistant manager	
9-3.	Mr. Sajad Abdul Emam Al Jafary	Statistics	
9-4.	Mr. Mohamed Al masir	Statistics	

10. Department of Health, Diyala

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
10-1.	Dr. Maghkeeb Saeed	Directorate of Statistics	

11. Balad Ros Hospital, Diyala

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
11-1.	Dr. Thuaban Altimeme	Manager	

12. Department of Health, Babil

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
12-1.	Mr. Ayad Saad Kazmf	Statistics	

13. Al Musaab General Hospital, Babil

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
13-1.	Dr. Mahmood Abdul-Raheem	Assistant manager	

14. Ministry of Finance

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
14-1.	Dr. Salahuddin Al-hadeetki	Deputy Director General of Public Debt Office	

15. Ministry of Planning

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
15-1.	Mr. Methaq W. Mohammed	Official in charge of Japanese Assistance	

16. Ministry of Higher Education and Scientific Research

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
16-1.	Dr. Zakaria Arajy	Representative	

17. Ministry of Environment for Industrial Activity

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
17-1.	Eng. Jaleel Salman	Engineer	

18. Kahdimiya Teaching Hospital

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
19-1.	Dr. Kais Albustani	Manager	

19. Medical City Teaching Hospital

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
20-1.	Dr. Jawod Rasheed	Manager	
20-2.	Dr. Naser Nsaf	Technical Manager	

20. Al-Kadhimiya Special Charity Hospital (Private Hospital)

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
20-1.	Mr. Salman D. Salman Al-Khazraji	Manager	
20-2.	Dr. Abdselateef Al-Obosy	Technical manager	

21. Al Karkh General Hospital, Baghdad

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
21-1.	Dr. Dhia Al-Shather	Manager	
21-2.	Dr. Raad Hamed	Assistant Manager	

22. Embassy of Japan in Iraq

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
22-1.	Mr. Akira ENDO	Minister Counsellor	
22-2.	Mr. Takema SAKAMOTO	Counsellor, Economic Affairs	
22-3.	Mr. Kenichi SHOJI	First Secretary	Economic and Economic Cooperation Section

23. JICA Iraq Office

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
23-1.	Mr. Masaaki MATSUSHIMA	Chief Representative	
23-2.	Mr. Kazuyoshi YAMASHITA	Project Advisor	

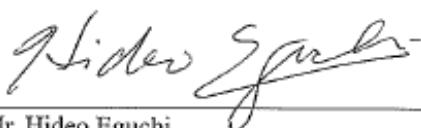
24. JICA Baghdad Office

	<u>Name</u>	<u>Title</u>	<u>Organization</u>
24-1.	Mr. Fadhil Salman	Program officer	

Appendix-4: Minutes of Discussions (for 1st Field Study)

Minutes of Meetings
for
The Preparatory Survey
on
the Health Sector Loan Project
in the Republic of Iraq
between
The Government of the Republic of Iraq
and
Japan International Cooperation Agency

Baghdad, Iraq
January 2011



Mr. Hideo Eguchi
Leader
JICA Survey Team



Eng. Dhafer M. Khelef
Director General of Projects and Engineering
Services Directorate
Ministry of Health



Ms. Huda A. Malik
Director General of International Cooperation
Department
Ministry of Planning



Dr. Jamal Abbas Al-Adely
Head of International & Arab Organization
Ministry of Higher Education and Scientific
Research

1. Introduction

In response to the request made by the government of Iraq, Japan International Cooperation Agency (hereinafter referred to as 'JICA') decided to conduct Preparatory Survey on the Health Sector Loan Project in Iraq (hereinafter referred to as 'the Project').

International Total Engineering Corporation (ITEC) was selected to engage in the survey and a survey team headed by Mr. Hideo Eguchi (hereinafter referred to as 'the Team') was dispatched to the Republic of Iraq from January 13, 2011 in order to hold a meeting with officials from the Ministry of Health (hereinafter referred to as 'MOH'), Ministry of Planning and the Ministry of Higher Education and Scientific Research in the Republic of Iraq.

The Inception Report (hereinafter referred to as 'IC/R') was explained and discussed at the meeting. The major contents in IC/R were discussed and agreed upon by both sides, and the results were summarized in the Minutes of Meeting as shown below.

2. Scope of the Project

Through discussions based on the Iraqi side application form, both parties confirmed the scope of the Project as shown below.

Iraqi side explained to the Team that original requests such as nursing school and nursing residence are lower priority.

- 1) Construction of buildings
 - Hospital building (including site preparation)
 - Doctor's residence
- 2) Equipment (medical, furniture, IT) procurement
- 3) Consultant fee (design and supervision)

3. Explanation and Discussion of IC/R

The Team explained IC/R including policy of the Survey, Methodology of the Works, Survey schedule and submission of Reports, and the outline of Japanese ODA Loans. Through the series of discussions, both sides agreed on the contents of IC/R.

The points confirmed, discussed and agreed by both parties are summarized below;

- 1) Concept of the Project
 - The requested seven hospital construction is to improve and enhance the quality of health care services in the district areas by replacing the existing hospitals and upgrading the medical equipment due to the deterioration and low functional situation.

- Iraqi side explained that medical staffs working at the existing facilities will be transferred to the new hospital to be constructed by the Project.
- The increase of the number of beds to population rate especially in district areas is one of the prioritized policies in Iraq. Though the number of 200 beds to each hospital is requested to the Team, both parties agreed to analyze and determine its capacity after further survey and assessment due to the low bed occupancy rate.

2) Project sites

Among seven project sites initially requested by the Iraqi side, Iraqi side withdrew the site in Al Anbar governorate and added Diyala governorate instead after reconsidering the necessity. Hence, the seven project sites were confirmed as follows;

- Al Musaab district Babil governorate
- Balad Ros district Diyala governorate
- Al Ashurqat district Salaheddin governorate
- Kirkuk city Kirkuk governorate
- Al Mdaina district Basra governorate
- Al Ashatra district Theeqar governorate
- Al Hindia district Karbalaa governorate

3) Responsible Agency for the Project

Both parties confirmed that Projects and Engineering Services Directorate of MOH takes charge of the Project and responsibility for coordination among the entities concerned.

4) Project Steering Committee

Both sides agreed to set up a Project Steering Committee in order to discuss and coordinate the issues on health development concerned with the Project smoothly. Its members shall be nominated from and represent MOH, Ministry of Planning and Ministry of Higher Education and Scientific Research. With the official request made by JICA, the Iraqi ministries concerned shall inform their nominees including title and department to JICA Iraq Office no later than the Interim Report survey to be scheduled in March, 2011.

5) Priority of the Project sites

- Iraqi side selected the seven project sites among the several possible sites after the assessment by MOH's Hospital Construction Committee. Iraqi side will provide the criteria of its selection in order for the Team to assess the Project site priority.
- The Team suggested that following criteria shall be taken into consideration in determining the priority of the project sites.
 - a) Demographic demand
 - b) Security conditions
 - c) Environmental and Social considerations (including land conditions)

- Both sides agreed that selection criteria will be discussed and determined on the occasion of the second field survey in Iraq.

6) Necessary Hospital Services

Both sides confirmed the necessary functions of hospitals as shown below. The Team requested the Iraqi side to provide MOH's standard in designing the hospital and assessing its function.

	Medical services
1	Surgery
2	Internal Medicine
3	Orthopedics
4	Obstetric & Gynecology
5	Pediatric
6	Ophthalmology
7	E.N.T.
8	Urology
9	Dermatology
10	Dental
11	Psychiatry

	Operational functions
1	Out Patient Department (OPD)
2	Ward (Including ICUs)
3	Emergency
4	Delivery
5	Diagnostics Imaging
6	Clinical laboratory
7	Endoscopy
8	Central Operation Theater and CSSD
9	Renal Dialysis
10	Pharmacy
11	Rehabilitation
12	Maintenance and Operation (including SPD)
13	Nutrition

7) Confirmation for Economic and Financial Analysis

- Ministry of Health clarified that the Ministry will take the financial plan into its consideration before getting the approval of the Project.
- The Team requested the Iraqi side to provide the financial and budget plan which supports MOH's strategic plan.

(end)

Attachment: List of Attendees

Attachment

List of Attendees**[Iraqi side]**Prime Minister Advisory Commission

Dr. Thamir A. Ghadhban	Chairman
Mr. Ali Muhamad	Economic Adviser
Mr. Areej Yousif	Office Organizer

Ministry of Health

Dr. Hayder Al Rubbia	Head of Division, Human Resource Department
Dr. Ali Al Alwachi	Head of Division, Planning & Promoting Resources Health policy Directorate
Eng. Hashem Hamiya Mohamad	Chief Engineer, Projects and Engineering Services Directorate
Dr. Ahlem Aziz Ali	Director of Donor Section

Ministry of Planning

Ms. Huda A. Malik	Director General, International Cooperation Department
Mr. Methaq W. Mohammed	Coordinator
Ms. Agood Al Saad	Head of Technical Cooperation Section

Ministry of Higher Education and Scientific Research

Mr. Salem Hadi	Legal & Administration
Dr. Jamal Abbas Al-Adely	Head of International & Arab Organization
Dr. Thikra Alwash	Manager of Project Department
Mr. Ismael Muwad	Manager of Reconstruction Department
Mr. Ahmed A Mijed	

[Japanese side]JICA Iraq Office

Mr. Masaaki Matsushima	Chief Representative
Mr. Kazuyoshi Yamashita	Project Formulation Advisor
Mr. Fadhil Salman	Program officer
Mr. Ihsan Alwan	Program officer
Mr. Ali Al Aswad	Local Consultant

JICA Survey Team

Mr. Hideo Eguchi	Leader
Dr. Mitsuo Isono	Technical Advisor
Mr. Yoshimasa Takemura	Cooperation Planning
Mr. Kenji Ishida	Consultant Leader/Medial & Health Planner
Mr. Shigehito Akagi	Health Human Resources Development Planner
Mr. Masaru Fujinuma	Architect & Facility Planner
Mr. Katsuro Yajima	Equipment & Procurement Planner
Mr. Yusuke Mori	Construction Planner

Appendix-5: Minutes of Discussions (for 2nd Field Study)

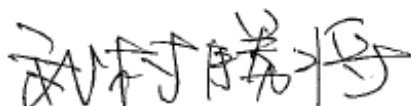
Minutes of Meetings
for
The Preparatory Survey on the Health Sector Loan Project
in
the Republic of Iraq
between
The Government of the Republic of Iraq
and
Japan International Cooperation Agency

The Japanese Preparatory Survey Team (hereinafter referred to as "the Team"), organized by the Japan International Cooperation Agency (hereinafter referred to as "JICA") and headed by Mr. Yoshimasa Takemura, visited the Republic of Iraq from 10 to 21 April, 2011 for the purpose of conducting a Preparatory Survey on the Health Sector Loan Project in the Republic of Iraq (hereinafter referred to as "the Project").

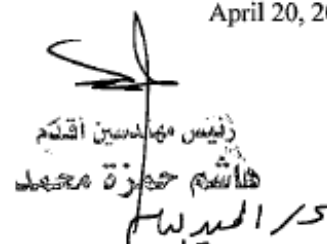
As a result of the discussions and consultation, both parties agreed upon the matters referred to in the document attached hereto.

Baghdad, Iraq

April 20, 2011



Mr. Yoshimasa Takemura
 Leader
 JICA Survey Team

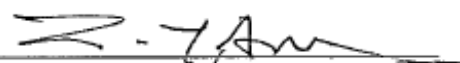


رئيس مهلبين إقليم
 د. هشام حمزة محمد
 السيد

Eng. Dhafir M. Khelef
 Director General, Project & Engineering.
 Service Directorate
 Ministry of Health

for **AHMED SALIH**

Dr. Sami Matti
 Deputy Minister
 Ministry of Planning



Dr. Zakaria Arjy
 Representative
 Ministry of Higher Education and Scientific
 Research

Attachment

1. Interim Report

The Team explained the Interim Report and the Iraqi side will review the contents of the report.

2. Prioritized project site and components

Both parties agreed that the Iraqi side shall prioritize the sites among the seven governorates, and components suggested by the Team as per Annex 2. The Iraqi side will inform the determination to the Japanese side by 28 April, 2011.

With regard to the site priority, the Team recommended that Al Mdaina district of Basra governorate and/or Al Ashatra district, Theeqar governorate have the highest priority for the Project, based on the information and data collected through the survey so far.

3. Financing the Project

Both parties discussed on the possibility whether the Iraqi side would cover site preparations for civil works such as filling, creation of land and others. The Iraqi side will consider them with the ministries concerned and the issue shall be determined at the appraisal stage.

4. Staff allocation to the new hospitals of the Project

Both parties confirmed that the all personnel working at the existing hospitals to be replaced by the Japanese Loan project will be transferred to new hospitals as per Annex3. In addition, Iraqi side shall supplement staff to the new hospitals whenever required.

5. Utilization of the existing hospitals

Both parties confirmed that the existing hospitals to be replaced by the Japanese Loan project will terminate their service after the construction of new hospitals. Iraqi side will utilize the replaced facilities for health service other than hospital function.

6. Environmental and social considerations

Iraqi side confirmed that there are no major environmental issues in each 7 site. The confirmed environmental issues are;

- a. Pollution (air, water, soil, noise and others)
- b. Natural Environment (protected areas, ecosystem, hydrology, topography and geology) and
- c. Social Environment (Resettlement, living and livelihood, Heritage and landscape, Ethnic Minorities and Indigenous Peoples, and working conditions).

Each project governorate signed the documents stating that the Project sites are clear of these issues.

7. Coordination between the ministries concerned

Both parties confirmed that Ministry of Health and Ministry of Higher Education and Scientific Research have a coordination mechanism for the human development and staff allocation in the health sector. Thus, both parties agreed that the Iraqi side shall strengthen and substitute its function for the project steering committee which both sides agreed to establish in January 2011.

8. Questionnaire to the seven Project sites

The Iraqi side shall submit answers to the questionnaire to the Team by 21 April, 2011.

Annex1: List of Attendees

Annex2: Options for Project Component

Annex3: Letter from Ministry of Health on allocation of human resources for new hospital

Annex1

List of Attendees

[Iraqi side]Ministry of Health

Dr. Essam N. Abdullah	Deputy of Ministry
Eng. Dhafir M. Khelef	Director General, Project & Engineering. Service Directorate
Dr. Thair Abhas Thair	Deputy Director General, Project & Engineering. Service Directorate
Dr. Ali Al Alwachi	Head of Division, Planning & Promoting Resources Health policy Directorate
Eng. Hashem Hamiya Mohamad	Chief Engineer, Projects and Engineering Services Directorate
Ms. Suhad Hussain	Planning office / Statistics department
Mr. Thair Jafar	Project & Eng. services
Mr. Ibrahim Jasim	Project & Eng. services
Dr. Emad Jaled	Manager of Nursing Department
Mr. Ala'a Mahameed	Nursing Department

Planning or education department in Nassiriyah, Theqar

Mr. Raed M. Hassan	Director of Statistic department
--------------------	----------------------------------

Shatra Hospital, Theqar

Mr. Mamdouh Almeyah	Manager of Shatra Hospital
Mr. Nawras Al-Ubudi	Director of statistic in Shatra Hospital

Kirkuk DOH

Dr. Hussein I. Ahmed	Deputy DG
Mr. Najah Farhad	Planning Department

Sallahaddin DOH

Mr. Ali A. Aljalil	Planning Department
--------------------	---------------------

Shargat Hospital, Sallahaddin

Dr. Mohamed hammid Algeborri	Manager
------------------------------	---------

Al-Hindiya General Hospital, Krballa

Dr. Ali Al-Hussaini	Director
Mr. Kder Abass Mahmed	Statistics

Directorate Basrah DOH, Basrah

Mr. Abdulaby Aathem Supty	Statistics
---------------------------	------------

Al ModaineH Hospital, Basrah

Dr. Magid Al Mudfer	Manager
Dr. Aqeel Zeki	Assistant manager
Mr. Sajad Abdul Emam Al Jafary	Statistics
Mr. Mohamed Al masir	Statistics

Diala Health office

Dr. MaghkeB Saeed	Directorate of Statistics
-------------------	---------------------------

<u>Baladroz Hospital, Diala</u> Dr. Thuaban Altimeme	Manager
<u>Babilon Health office</u> Mr. Ayad Saad Kazmf	Statistics
<u>Al Musaiveb General Hospital, Babilon</u> Dr. Mahmood Abdul-Raheem	Assistant manager
<u>Ministry of Planning</u> Mr. Metheq Mohammed	Official in charge of Japanese Assistance, International Cooperation Directorate
<u>Ministry of Finance</u> Dr. Salahuddin Al-hadeetki	Deputy Director General of Public Debt Office
<u>Ministry of Higher Education and Scientific Research</u> Dr. Zakaria Arajy	Representative
<u>Ministry of Environment</u> Eng. Jaleel Salman	Engineer

[Japanese Side]JICA Iraq Office

Mr. Kazuyoshi Yamashita	Project Formulation Advisor
Mr. Fadhil Salman	Program officer

JICA Survey Team

Mr. Yoshimasa Takemura	Leader/Cooperation Planning
Dr. Mitsuo Isono	Technical Advisor
Mr. Kenji Ishida	Consultant Leader/Medial & Health Planner
Mr. Shigchito Akagi	Health Human Resources Development Planner
Mr. Masaru Fujinuma	Architect & Facility Planner
Mr. Nobuyuki Ishida	Economic & Financial Analysis Specialist
Mr. Katsuro Yajima	Equipment & Procurement Planner
Mr. Yusuke Mori	Construction Planner

Annex2

Options for Project Component

		Consulting	IT system	Building	Equipment
A	Phase 1	7 Hospitals	included	IT demonstration building only	
	Others / future			7 Hospitals	7 Hospitals
B	Phase 1	7 Hospitals		1 Hospital	
	Others / future			6 Hospitals	7 Hospitals
C	Phase 1	7 Hospitals			3 Hospitals major items
	Others / future			3+4 Hospitals	3 Hospital general item +4 Hospital
D	Phase 1	7 Hospitals		Part of 1 Hospital	Part of 1 hospital
	Others / future			Rest of 1 Hospital +6 Hospital	Rest of 1 Hospital +6 Hospitals
E	Phase 1	1 Hospital		Major part of 1 Hospital	Major part of 1 Hospital
	Others / future			Rest of 1 Hospital +6 Hospitals	Rest of 1 Hospital +6 Hospitals

Annex3

(Tentative translation)

Republic of Iraq
 MOH
 Planning & Human Recourses Department
 No.3/1
 Date: / / 2010

Regarding the Management of the 200 Beds Hospitals Soft Loan Projects:

1. Providing the human resources needed to work in the hospital through;
 - A. Re-allocating existing budget in the establishment's concerned, also taking advantage of the old hospital's budget which intends to be canceled and replaced by the new hospitals.
 - B. Providing specialized medical staffs, through continuous provision of post graduated. 800-1000 qualified medical staffs annually join Colleges and Institutions study in Ministry of Higher Education.
 - C. Providing the staff by assigning of the Medical Staff whereas Ministry of Finance is granting annually around 8000 functional degree (noting that we have been granted a new 14000 functional degree in 2010) and referring to Article No. 6 for the year 2000 concerning the gradually of Medical Staff every year (the obligation to assign all the Medical Staff in Ministry of Health)
2. There is an annual budget for each Directorate of Health based on the annual budget of the Ministry of Health which is determined by Ministry of Finance. The Directorate of Health has the authorities to determine the related budget for the hospitals, based on the authorities of the General Directors and Hospital Directors.

Noting that there is a financial support allocated by the Budget of the Regions Developments thorough the Government council, and there is a possibility to support the budget of the mentioned hospitals as well.

Dr. Ali Abdulhussein
 Politics Section
 2010/06/20

Dr. Ala'a Hussein Ali
 Planning Department D.G. Deputy
 2010/06/20

Appendix-6: Letters from Ministry of Health concerning
Human Resources



جمهورية العراق
وزارة الصحة
الدائرة التخطيط وتنمية الموارد
العدد : د.ت ١/٣
التاريخ : / / ٢٠١٠ م

نقاط حول كيفية ادارة مستشفيات القرض الياباني سعة ٢٠٠ سرير المقترح انشاءها :

- ١- بالامكان توفير الموارد البشرية اللازمة للعمل بالمستشفيات عن طريق :
 - أ- المناورة بالملاكات الموجوده في حينها في مؤسسات الدوائر ذات العلاقة والاستفادة كذلك من ملاكات بعض المستشفيات القديمه والمزمع الغاءها واستبدالها بالمستشفيات الجديدة .
 - ب- تأمين الملاكات الطبية المتخصصة عن طريق التوزيعات المستمرة لحملة الشهادات العليا حيث ان هناك حوالي ٨٠٠-١٠٠٠ من ذوي المهن الطبية والصحية ممن يلتحقون سنويا بالدراسات العليا في كليات ومعاهد وزارة التعليم العالي والبحث العلمي وبمختلف الاختصاصات .
 - ج- تأمين الملاكات المختلفه عن طريق التعيينات الجديده حيث يتم سنويا منح وزارتنا درجات وظيفيه من قبل وزارة المالية وبحدود ٨٠٠٠ درجه (علماء) ان وزارتنا قد تم منحها ١٤٠٠٠ درجه وظيفية جديدة في موازنة عام (٢٠١٠) مشيرين بذلك الى الزامية تعيين كافة ذوي المهن الطبية والصحية والتمريضيه سنوياً بوزارتنا استنادا الى تعليمات تنفيذ قانون تدرج ذوي المهن الطبية والصحية رقم (٦) لسنة ٢٠٠٠
 - ٢- ان لدوائر الصحة موازنة سنويه يتم تحديدها مركزيا اعتمادا على موازنة الوزارة المحددة من وزارة الماليه وان لدوائر الصحة الصلاحيات اللازمة لتخصيص موازنة المستشفيات المرتبطه بها وحسب ابواب وصلاحيات الصرف لمدير عام الدائرة ومدراء المستشفيات لإقترح انشاءها .
- علمنا ان هناك دعم مالي يخصص من قبل موازنة تنمية الاقاليم عن طريق مجالس المحافظات وبالامكان دعم موازنة المستشفيات المذكورة من ذلك ايضا.


الدكتور

علاء حسين علي
معاون مدير عام دائرة التخطيط

٢٠١٠/٦/٢٠


الدكتور

علي عبد الحسين
قسم السياسات

٢٠١٠/٦/٢٠

البريد الالكتروني للدائرة E-Mail : iraqhp@yahoo.com

هواتف الدائرة : ٤١٤٠٤٧٠

(The original letter in Arabic)

(English Translation)

Republic of Iraq

MOH

Planning & Human Recourses Department

No.3/1

Date: / / 2010

Regarding the Management of the 200 Beds Hospitals Soft Loan Projects:

1. Providing the human resources needed to work in the hospital through;
 - A. Re-allocating existing budget in the establishment's concerned, also taking advantage of the old hospital's budget which intends to be canceled and replaced by the new hospitals.
 - B. Providing specialized medical staffs, through continuous provision of post graduated. 800-1000 qualified medical staffs annually join Colleges and Institutions study in Ministry of Higher Education.
 - C. Providing the staff by assigning of the Medical Staff whereas Ministry of Finance is granting annually around 8000 functional degree (noting that we have been granted a new 14000 functional degree in 2010) and referring to Article No. 6 for the year 2000 concerning the gradually of Medical Staff every year (the obligation to assign all the Medical Staff in Ministry of Health)
2. There is an annual budget for each Directorate of Health based on the annual budget of the Ministry of Health which is determined by Ministry of Finance. The Directorate of Health has the authorities to determine the related budget for the hospitals, based on the authorities of the General Directors and Hospital Directors.

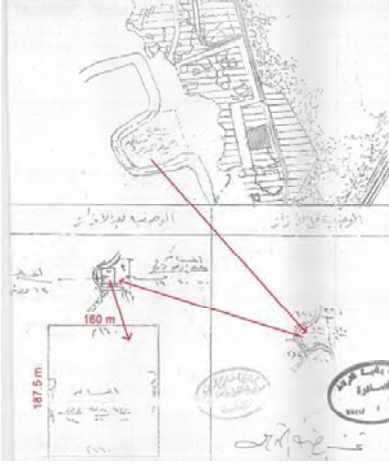

Noting that there is a financial support allocated by the Budget of the Regions Developments thorough the Government council, and there is a possibility to support the budget of the mentioned hospitals as well.


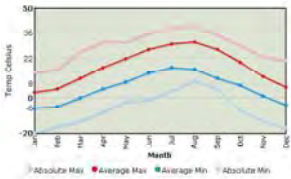
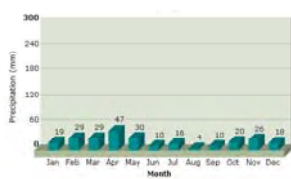
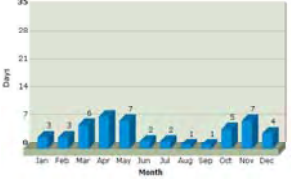


Dr. Ali Abdulhusein
Politics Section
2010/04/

Dr. Ala'a Hussein Ali
Planning Department D.G. Deputy
2010/04/




Appendix-7: List of Surveys concerning Site Infrastructures



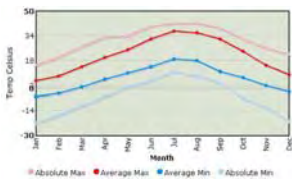
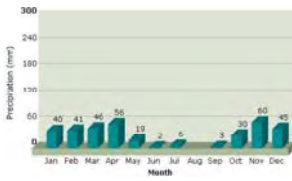



1) Salaheddin - Al Ashurqat

a) Site Condition	
Urban Planning	: Out of urban planning area
Distance from the governorate center	: approx. 140km
Catchment population	: approx. 160 k
Site surrounding	: Surrounding area is not in use.
Site area	: 187.5 m X 160 m = 30,000 m ²
Site map	
Existing function	: Site is not in use.
Soil condition	: Clay sandy
	: Ground water level : about 2.5-3.0m
Flood evidence in the past	: None
Infrastructure	: - No infrastructure
Security	: dagerous
Access road	: New access road needs to be constructed for a new hospital about 1km from the existing main road.
Problem	: - Since surrounding area is not in use, infrastructure is not installed.
Location of Google Earth	: 35. 29' 07 N 43. 13' 59 E
	




b) Existing Hospitals	
Name of hospital	: -
Number of beds	: 50beds
-No. by MOH (No. by local consultant)	: (200beds)
Construction year	: 1970
Site map / Floor map	: -
Location of GoogleEarth	: 35. 31' 07 N 43. 14' 03 E
	
c) Site Surrounding Condition	
<p>Temperatures</p> 	<p>Precipitation Amount</p> 
<p>Number of Rain/Drizzle days in month</p> 	<p>Number of Snow days in month</p> 
<p>Wind Speed</p> 	
d) Unit construction cost	
normal house	: 800 USD
office building	: 950 USD
hospital building	: 1,050 USD



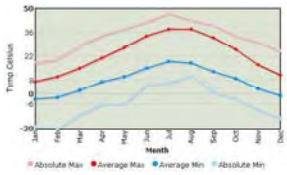
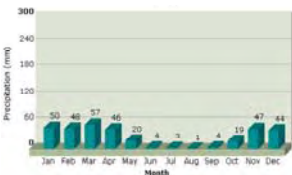

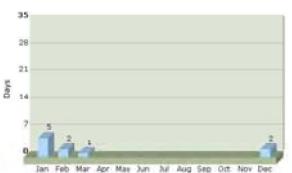

2) Kirkuk - Kirkuk

a) Site Condition	
Urban Planning	: Out of urban planning area
Distance from the governorate center	: approx. 8km
Catchment population	: -
Site surrounding	: - Front access road is 30m wide on the south. - Surrounding area is not in use. Only part of west is used for residential area. - A steel tower of high level tank remaining adjacent to the site - Groundwater exists 3m below the ground level.
Site area	: 200 m X 300 m = 60,000 m ²
Site map	: 
Existing function	: - Old concrete slabs to be removed. Site was used for plants.
Soil condition	: Pure clay to sandy clay soil with high bearing capacity (about 6-7 tone/m ³) Raft foundation desired for buildings less than 5 stories
Flood evidence in the past	: None
Infrastructure	: Power (electricity) supplied
Security	: safe
Access road	: 
Problem	: Since surrounding area is not in use, infrastructure is not installed other than power supply.
Location of Google Earth	: 35. 23' 37 N 44. 23' 43 E 



b) Existing Hospitals	
Name of hospital	: Kirkuk General Hospital
Number of beds	: 100beds
-No. by MOH (No. by local consultant)	: (200beds)
Construction year	: before 1990
Site map / Floor map	: 
Location of GoogleEarth	: 35. 27' 56 N 44. 23' 20 E
	: 
c) Site Surrounding Condition	
Temperatures	Precipitation Amount
	
Number of Rain/Drizzle days in month	Number of Snow days in month
	
Wind Speed	
	
d) Unit construction cost	
normal house	: 750 USD
office building	: 900 USD
hospital building	: 1,000 USD

3) Diyala- Balad Ros



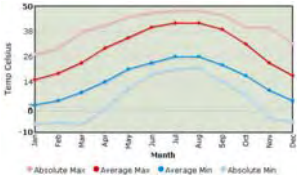


a) Site Condition	
Urban Planning	: Surrounding area is proposed as Residential Area.
Distance from the governorate center	: approx. 50km
Catchment population	: approx. 122 k
Site surrounding	: Surrounding area is not in use.
Site area	: 143 m X 350 m = 50,000 m2
Site map	
Existing function	: Site is not in use.
Soil condition	: - Sandy clay soil with about 7ton/m3 bearing capacity. - Raft foundation desired for less than 5 stories buildings.
Flood evidence in the past	: None
Infrastructure	: - HT electricity lines close to the Site - Water supplied
Security	: dagerous
Access road	: Front access road on west side
	
Problem	: - Since surrounding area is not in use, infrastructure is not installed other than power supply. - Security situation is bad.
Location of Google Earth	: 33. 40' 45 N 45. 02' 09 E
	

b) Existing Hospitals	
Name of hospital	: -
Number of beds	: 50beds
-No. by MOH (No. by local consultant)	: (100beds)
Construction year	: Reconstructed in 2000
Site map / Floor map	: 
Location of GoogleEarth	: 33. 41' 37 N 45. 04' 09 E
	: 
c) Site Surrounding Condition	
Temperatures	Precipitation Amount
	
Number of Rain/Drizzle days in month	Number of Snow days in month
	
Wind Speed	
	
d) Unit construction cost	
normal house	: 800 USD
office building	: 950 USD
hospital building	: 1,050 USD

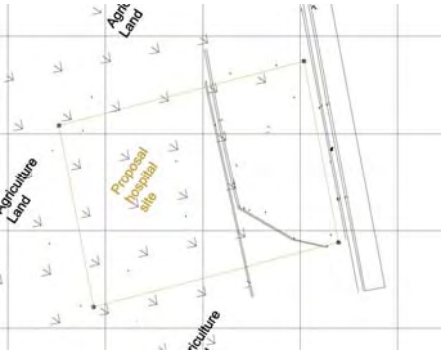


4) Babil- Al Musaab



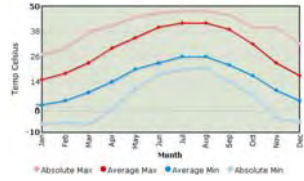
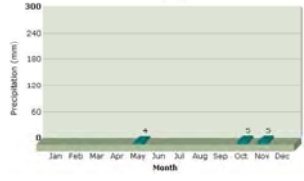

a) Site Condition	
Urban Planning	: - 60m wide Front access road (under construction) on the front - Both sides of Front road are for commercial use for 1 block deep
Distance from the governorate center	: approx. 40km
Catchment population	: approx. 300 k
Site surrounding	: - Surrounding area is not in use.
Site area	: 40,000 m2 (AutoCAD data)
Site map	
Existing function	: Site adjacent to Alzahara Obstetric Hospital(50 beds), Ibn Sayf Pediatric Hospital(50 beds), Irrigation Directorate, Agriculture Directorate, Industry High School.
Soil condition	: Clay + Clay with silt Ground water level : about2.5-3.5m
Flood evidence in the past	: None
Infrastructure	: - Railway line running near by (but no station) - Power (electricity) supplied along Front road - Water supplied
Security	: safe
Access road	: Front access road is Baghdad-Al Musaab.
Problem	:
Location of Google Earth	: 32. 47' 31 N 44. 17' 49 E
	



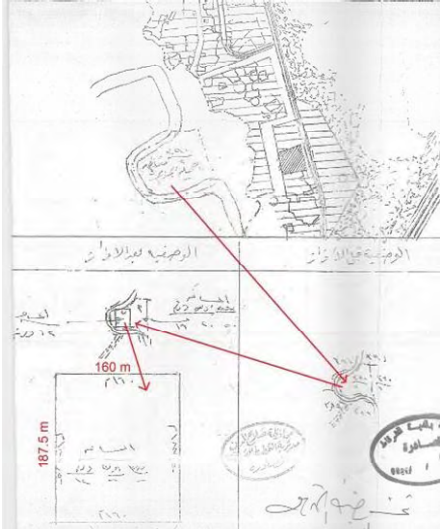


b) Existing Hospitals	
Name of hospital	: Al Musaib General Hospital
Number of beds	: 100beds
-No. by MOH (No. by local consultant)	(78beds)
Construction year	: 1930 (developed in 1959)
Site map / Floor map	: 
Location of GoogleEarth	: 32. 46' 38 N 44. 17' 02 E
	: 
c) Site Surrounding Condition	
<p>Temperatures</p>  <p>Number of Rain/Drizzle days in month</p>	<p>Precipitation Amount</p>  <p>Number of Snow days in month</p>
<p>Wind Speed</p> 	
d) Unit construction cost	
normal house	: 750 USD
office building	: 900 USD
hospital building	: 1,000 USD


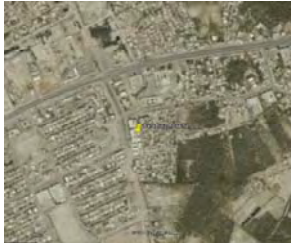
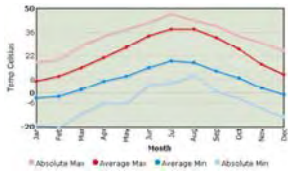
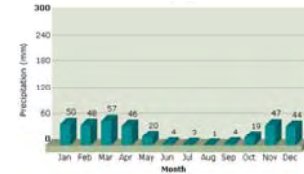



5) Karbalaa- Hindia

a) Site Condition	
Urban Planning	: - Health area (proposed) with Educational/Commercial/Health/Parking building (proposed) - Residential area (proposed) - Tree lined road (proposed) between 2 areas across the site - 60m wide Primary road (under construction) on the front
Distance from the governorate center	: approx. 35km
Catchment population	: approx. 210 k
Site surrounding	: - Surrounding area is not in use.
Site area	: 190 m X 263 m = 50,000 m ²
Site map	
Existing function	: - Date palms
Soil condition	: Clay + Clay with silt Ground water level : about 2.5-3.5m
Flood evidence in the past	: None
Infrastructure	: - Power (electricity) supplied along Front road - Water treatment station - Water pipe (250mm) installed 250m distant - Water and drainage canals along Site in the rear
Security	: safe
Access road	: - Front access road 4m wide connected to Main road (Karbalaa-Hilla) in less than 1km. - Irrigation canal running along Front road. - 2m wide space between Site and Front road. - Site is 3m below Front road.
	
Problem	: - Vast amounts of landfilling is necessary.
Location of Google Earth	: 32. 32' 42 N 44. 12' 21 E
	

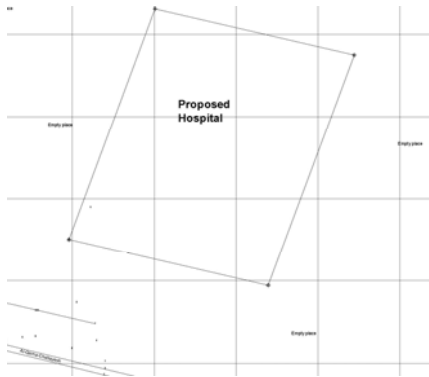

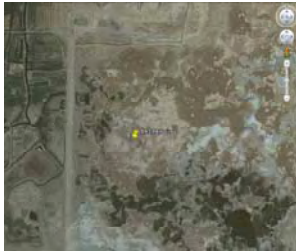
b) Existing Hospitals	
Name of hospital	: —
Number of beds	: 100 beds
-No. by MOH (No. by local consultant)	: (206 beds)
Construction year	: 1950 (developed in 1986)
Site map / Floor map	: 
Location of GoogleEarth	: 32. 33' 07 N 44. 13' 16 E
	: 
c) Site Surrounding Condition	
<p>Temperatures</p> 	<p>Precipitation Amount</p> 
Number of Rain/Drizzle days in month	Number of Snow days in month
-	-
<p>Wind Speed</p> 	
d) Unit construction cost	
normal house	: 750 USD
office building	: 900 USD
hospital building	: 1,000 USD


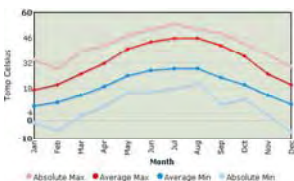
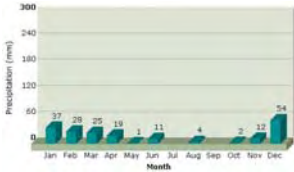

6) Theeqar - Al Ashatra

a) Site Condition	
Urban Planning	: - Site is located on "Parking Area", "Green Area" and "Housing constructed" - Surrounding area is used as "Housing constructed." - Between Front Road and Site is "Green Area".
Distance from the governorate center	: approx. 40km
Catchment population	: approx. 400 k
Site surrounding	: Surrounding area is not in use.
Site area	: 63,000 m2 (AutoCAD data)
Site map	
Existing function	: Site is not in use
Soil condition	: Clay with silt + silt with sand Ground water level : about 2.5-3.5m Soil relatively weak
Flood evidence in the past	: None
Infrastructure	: Power (electricity) supplied
Security	: safe
Access road	: Front access road is Al Ashatra-Nasiriq.
	
Problem	: - Since surrounding area is not in use, infrastructure is not installed other than power supply. - Vast amounts of land filling is necessary
Location of Google Earth	: 31. 23' 33 N 46. 09' 58 E
	

b) Existing Hospitals	
Name of hospital	: Al Shatra General Hospital
Number of beds	: 100beds
-No. by MOH (No. by local consultant)	: (120beds)
Construction year	: 1970
Site map / Floor map	: 
Location of GoogleEarth	: 31. 24' 47 N 46. 10' 08 E
	: 
c) Site Surrounding Condition	
Temperatures	Precipitation Amount
	
Number of Rain/Drizzle days in month	Number of Snow days in month
	
Wind Speed	
	
d) Unit construction cost	
normal house	: 750 USD
office building	: 900 USD
hospital building	: 1,000 USD

7) Basra- Al Mdaina

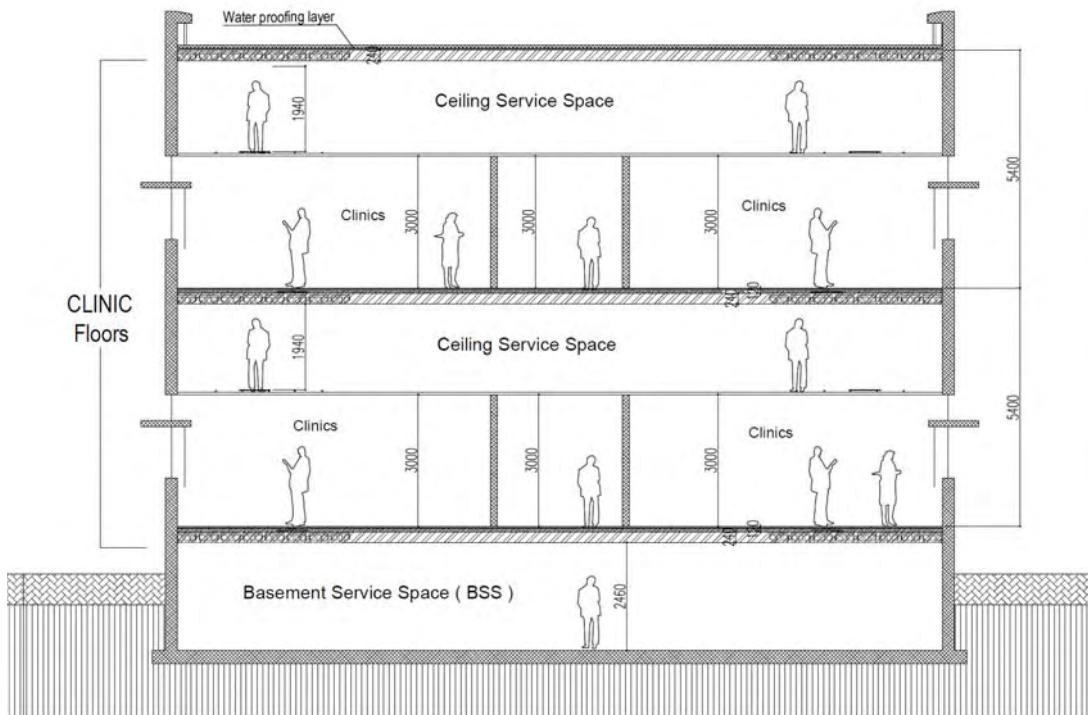
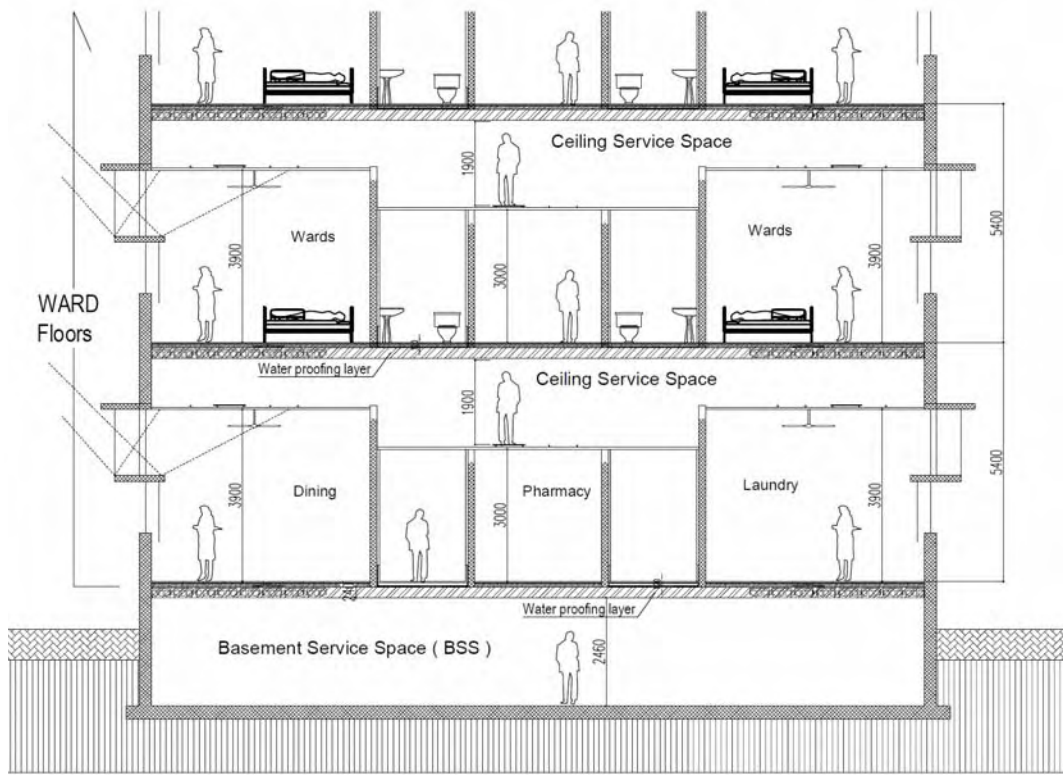
a) Site Condition	
Urban Planning	: Out of urban planning area
Distance from the governorate center	: approx. 70km
Catchment population	: approx. 240 k
Site surrounding	: Surrounding area is not in use.
Site area	: 74,300 m2 (AutoCAD data)
Site map	
Existing function	: Surrounding area is not in use.
Soil condition	: Clay + Clay with silt Ground water level : about 2.5-3.5m Ground water level : about 2.5-3.5m
Flood evidence in the past	: None
Infrastructure	: - Old water pipe located nearby - Power (electricity) supplied along the southern road
Security	: safe
Access road	: Front access road from the south is Al Qama-Chebayesh Marshes
	
Problem	: - Site is flooded during rainy seasons. - Vast amounts of land filling is necessary. - Since surrounding area is not in use, infrastructure might not be installed at all.
Location of Google Earth	: 30. 58' 02 N 47. 16' 49 E
	

b) Existing Hospitals	
Name of hospital	: Al Basra General Hospital
Number of beds	: 50 beds
-No. by MOH (No. by local consultant)	: (173beds)
Construction year	: 1970
Site map / Floor map	:
N/A	
Location of GoogleEarth	: 30. 56' 27 N 47. 15' 21 E
	
c) Site Surrounding Condition	
Temperatures	Precipitation Amount
 <p>Number of Rain/Drizzle days in month</p>	 <p>Number of Snow days in month</p>
Wind Speed	
	
d) Unit construction cost	
normal house	: 700 USD
office building	: 850 USD
hospital building	: 950 USD

Appendix-8: Proposed Floor Plan of New Hospitals

8. Proposed Floor Plan of New Hospitals









Appendix-9: List of Equipment

Major Equipment List based on RFP room list

Department	Room No.	Room Description	Item No.	Description	Q'ty	Iraq Side	Remarks
Ward General	1	VIP Single bed suite w/ ensuite toilet and pantry	I-008	Monitor, Bed side	2		
Ward General	1	VIP Single bed suite w/ ensuite toilet and pantry	W-009	Bed, Electric with mattress, side rail	2		
Ward General	1	VIP Single bed suite w/ ensuite toilet and pantry	W-003A	Cabinet, Bed Side	2		
Ward General	1	VIP Single bed suite w/ ensuite toilet and pantry	W-003B	Table, Over bed	2		
Ward General	2	Single-bed room w/ ensuite toilet	I-008	Monitor, Bed side	8		
Ward General	2	Single-bed room w/ ensuite toilet	W-009	Bed, Electric with mattress, side rail	30		
Ward General	2	Single-bed room w/ ensuite toilet	W-003A	Cabinet, Bed Side	30		
Ward General	2	Single-bed room w/ ensuite toilet	W-003B	Table, Over bed	30		
Ward General	3	Double-bed room w/ ensuite toilet	W-005	Bed, with mattress, side rail	28		
Ward General	3	Double-bed room w/ ensuite toilet	W-003A	Cabinet, Bed Side	28		
Ward General	3	Double-bed room w/ ensuite toilet	W-003B	Table, Over bed	28		
Ward General	5	VIP Single bed suite w/ ensuite toilet and pantry	I-008	Monitor, Bed side	2		
Ward General	5	VIP Single bed suite w/ ensuite toilet and pantry	W-008	Bed, Electric with mattress	2		
Ward General	5	VIP Single bed suite w/ ensuite toilet and pantry	W-003A	Cabinet, Bed Side	2		
Ward General	5	VIP Single bed suite w/ ensuite toilet and pantry	W-003B	Table, Over bed	2		
Ward General	6	Single-bed room w/ ensuite toilet	I-008	Monitor, Bed side	10		
Ward General	6	Single-bed room w/ ensuite toilet	W-008	Bed, Electric with mattress	36		
Ward General	6	Single-bed room w/ ensuite toilet	W-003A	Cabinet, Bed Side	36		
Ward General	6	Single-bed room w/ ensuite toilet	W-003B	Table, Over bed	36		
Ward General	7	Double-bed room w/ ensuite toilet	W-005	Bed, with mattress, side rail	32		
Ward General	7	Double-bed room w/ ensuite toilet	W-003A	Cabinet, Bed Side	32		
Ward General	7	Double-bed room w/ ensuite toilet	W-003B	Table, Over bed	32		
Ward General	9	Nursing station/ Staff base	I-015	Monitor, Central	4		
Ward General	9	Nursing station/ Staff base	I-002	Defibrillator	4		
Ward General	9	Nursing station/ Staff base	P-035	Refrigerator Freezer, Medical Fridge(Refrigerator:200L-Freezer:80L)	4		
Ward General	9	Nursing station/ Staff base	O-054	Resuscitation Bag	4		
Ward General	9	Nursing station/ Staff base	O-146	Jackson-Resource Resuscitator, 3L	4		
Ward General	9	Nursing station/ Staff base	W-032	Nursing Cart	8		
Ward General	9	Nursing station/ Staff base	E-015	Laryngoscope, McIntosh, Fiber Optics	4		
Ward General	9	Nursing station/ Staff base	I-025	Sphygmomanometer, Digital Automatic	12		
Ward General	9	Nursing station/ Staff base	C-124	Tourniquet, blood taking	8		
Ward General	9	Nursing station/ Staff base	I-024	Pulse Oximeter	20		
Ward General	10	Clean utility & medication	P-010	Cabinet, Hazardous Material	4		
Ward General	10	Clean utility & medication	P-009	Cabinet, Drug	4		
Ward General	10	Clean utility & medication	P-017	Drug Trolley (Including Partition Board and Tray)	8		
Ward General	10	Clean utility & medication	L-117	Table, Laboratory, Ward	4		
Ward General	11	Soiled utility & disposal	S-011	Cart, Collection	4		
Ward General	11	Soiled utility & disposal	W-015	Bedpan Rack (for 4 bedpans and 8 uripans)	8		
Ward General	12	CPR & Clean linen trolley bay	W-018	Cart, Emergency	4		
Ward General	12	CPR & Clean linen trolley bay	W-017	Carring Cart	4		
Ward General	13	Examination/ treatment room	W-041	Treatment Cart	4		
Ward General	13	Examination/ treatment room	O-014	Binocular Indirect Ophthalmoscope	4		
Ward General	13	Examination/ treatment room	E-014	Laryngoscope	4		
Ward General	13	Examination/ treatment room	C-131	Ultrasonic Interactive Blood Flowmeter	4		
Ward General	15	Mobile equipment parking bay	I-028	Ventilator	8		
Ward General	15	Mobile equipment parking bay	X-073	X-ray unit, mobile	2		
Ward General	15	Mobile equipment parking bay	W-024	Infusion and Blood Warmer	8		
Ward General	15	Mobile equipment parking bay	C-033	ECG	4		
Ward General	15	Mobile equipment parking bay	I-027	Syringe Pump	26		
Ward General	15	Mobile equipment parking bay	W-025	Infusion Pump	40		
Ward General	15	Mobile equipment parking bay	W-039	Suction Pump, Wall Mount Type	40		
Ward General	16	Equipment store	W-027	IV Stand with Grip	59		
Ward General	16	Equipment store	O-042	Foot Pump for Prevention of Pulmonary Embolism	8		
Ward General	16	Equipment store	W-033	Oxygen Flowmeter, Wall Mount Type, 10L	65		
Ward General	17	Stretchers and wheelchairs parking	W-037	Stretcher	12		
Ward General	17	Stretchers and wheelchairs parking	W-044	Wheelchair	20		
Ward General	18	Janitor closet	S-013	Cart, Multi Purpose	4		
Ward General	18	Janitor closet	W-019	Cleaner, dry and wet	4		
Ward General	18	Janitor closet	S-010	Cart, clean material	4		
Ward General	27	Linen store	W-017	Carring Cart	4		
Ward Pediatric	32	VIP Single bed suite w/ ensuite toilet	I-008	Monitor, Bed side	1		
Ward Pediatric	32	VIP Single bed suite w/ ensuite toilet	W-007	Bed, Electric Pediatric with mattress, side rail	1		
Ward Pediatric	32	VIP Single bed suite w/ ensuite toilet	L-008	Auto Urinometer (Disseminated Type)	1		
Ward Pediatric	33	Single-bed room w/ ensuite toilet	I-008	Monitor, Bed side	2		
Ward Pediatric	33	Single-bed room w/ ensuite toilet	W-007	Bed, Electric Pediatric with mattress, side rail	5		

Major Equipment List based on RFP room list

Department	Room No.	Room Description	Item No.	Description	Q'ty	Iraq Side	Remarks
Ward Pediatric	33	Single-bed room w/ ensuite toilet	L-008	Auto Urinometer (Disseminated Type)	5		
Ward Pediatric	34	Single-bed room w/ ensuite toilet & sleep-in bed	I-008	Monitor, Bed side	4		
Ward Pediatric	34	Single-bed room w/ ensuite toilet & sleep-in bed	W-007	Bed, Electric Pediatric with mattress, side rail	6		
Ward Pediatric	34	Single-bed room w/ ensuite toilet & sleep-in bed	L-008	Auto Urinometer (Disseminated Type)	6		
Ward Pediatric	35	Double-bed room w/ ensuite toilet	W-014	Bed, Pediatric with mattress, side rail	12		
Ward Pediatric	36	Double-bed room w/ ensuite toilet & sleep-in beds	W-014	Bed, Pediatric with mattress, side rail	16		
Ward Pediatric	38	Nursing station/ Staff base	I-015	Monitor, Central	1		
Ward Pediatric	38	Nursing station/ Staff base	I-002	Defibrillator	1		
Ward Pediatric	38	Nursing station/ Staff base	W-032	Nursing Cart	5		
Ward Pediatric	38	Nursing station/ Staff base	E-034	Laryngoscope, pediatric	4		
Ward Pediatric	38	Nursing station/ Staff base	I-024	Pulse Oximeter	8		
Ward Pediatric	38	Nursing station/ Staff base	I-025	Sphygmomanometer, Digital Automatic, pediatric	4		
Ward Pediatric	39	Clean utility & medication	P-010	Cabinet, Hazardous Material	1		
Ward Pediatric	39	Clean utility & medication	P-017	Drug Trolley (Including Partition Board and Tray)	2		
Ward Pediatric	39	Clean utility & medication	C-080	Medical Cart	1		
Ward Pediatric	39	Clean utility & medication	P-009	Cabinet, Drug	2		
Ward Pediatric	39	Clean utility & medication	L-117	Table, Laboratory, Ward	1		
Ward Pediatric	40	Soiled utility and disposal	S-011	Cart, Collection	1		
Ward Pediatric	40	Soiled utility and disposal	W-015	Bedpan Rack (for 4 bedpans and 8 urinpans)	2		
Ward Pediatric	41	CPR & Clean linen trolley bay	W-018	Cart, Emergency	1		
Ward Pediatric	41	CPR & Clean linen trolley bay	W-017	Carring Cart	1		
Ward Pediatric	42	Examination/ treatment room	C-033	ECG	1		
Ward Pediatric	42	Examination/ treatment room	W-041	Treatment Cart	1		
Ward Pediatric	42	Examination/ treatment room	W-031B	Nebulizer	8		
Ward Pediatric	44	Milk formula preparation	P-038	Refrigerator, medical 120-160L	1		
Ward Pediatric	44	Milk formula preparation	W-030	Milk Warmer	1		
Ward Pediatric	45	Mobile equipment parking bay	I-030	Ventilator Pediatric	6		
Ward Pediatric	45	Mobile equipment parking bay	W-024	Infusion and Blood Warmer	2		
Ward Pediatric	45	Mobile equipment parking bay	C-033B	ECG, Pediatric electrode	1		
Ward Pediatric	45	Mobile equipment parking bay	I-027	Syringe Pump	8		
Ward Pediatric	45	Mobile equipment parking bay	W-025	Infusion Pump	20		
Ward Pediatric	45	Mobile equipment parking bay	W-027	IV Stand with Grip	28		
Ward Pediatric	45	Mobile equipment parking bay	W-039	Suction Pump, Wall Mount Type	12		
Ward Pediatric	45	Mobile equipment parking bay	O-061	Suction Unit	12		
Ward Pediatric	45	Mobile equipment parking bay	W-018	Cart, Emergency	1		
Ward Pediatric	45	Mobile equipment parking bay	W-041	Treatment Cart	1		
Ward Pediatric	45	Mobile equipment parking bay	O-054	Resuscitation Bag	1		
Ward Pediatric	45	Mobile equipment parking bay	O-042	Foot Pump for Prevention of Pulmonary Embolism	2		
Ward Pediatric	45	Mobile equipment parking bay	W-033	Oxygen Flowmeter, Wall Mount Type, 10L	20		
Ward Pediatric	45	Mobile equipment parking bay	W-004	Bed Weight Monitor, (four-point type)	1		
Ward Pediatric	45	Mobile equipment parking bay	W-036	Scales, digital	1		
Ward Pediatric	46	Bed / Crib storage room	W-013	Bed, New born	2		
Ward Pediatric	47	Stretchers and wheelchairs parking	W-037	Stretcher	3		
Ward Pediatric	47	Stretchers and wheelchairs parking	W-044	Wheelchair	5		
Ward Pediatric	48	Janitor closet	S-013	Cart, Multi Purpose	1		
Ward Pediatric	48	Janitor closet	W-019	Cleaner, dry and wet	1		
Ward Pediatric	48	Janitor closet	S-010	Cart, clean material	1		
Ward Pediatric	58	Linen store	W-017	Carring Cart	2		
Ward Obst & Gyne	63	VIP Single bed suite w/ ensuite toilet	I-008	Monitor, Bed side	1		
Ward Obst & Gyne	63	VIP Single bed suite w/ ensuite toilet	W-008	Bed, Electric with mattress	1		
Ward Obst & Gyne	63	VIP Single bed suite w/ ensuite toilet	L-008	Auto Urinometer (Disseminated Type)	1		
Ward Obst & Gyne	63	VIP Single bed suite w/ ensuite toilet	W-003A	Cabinet, Bed Side	1		
Ward Obst & Gyne	63	VIP Single bed suite w/ ensuite toilet	W-003B	Table, Over bed	1		
Ward Obst & Gyne	64	Single-bed room w/ ensuite toilet	I-008	Monitor, Bed side	4		
Ward Obst & Gyne	64	Single-bed room w/ ensuite toilet	W-008	Bed, Electric with mattress	21		
Ward Obst & Gyne	64	Single-bed room w/ ensuite toilet	L-008	Auto Urinometer (Disseminated Type)	21		
Ward Obst & Gyne	64	Single-bed room w/ ensuite toilet	W-003A	Cabinet, Bed Side	21		
Ward Obst & Gyne	64	Single-bed room w/ ensuite toilet	W-003B	Table, Over bed	21		
Ward Obst & Gyne	65	Double-bed room w/ ensuite toilet	W-005	Bed, with mattress, side rail	8		
Ward Obst & Gyne	65	Double-bed room w/ ensuite toilet	W-003A	Cabinet, Bed Side	8		
Ward Obst & Gyne	65	Double-bed room w/ ensuite toilet	W-003B	Table, Over bed	8		
Ward Obst & Gyne	67	Nursing station/ Staff base	I-015	Monitor, Central	1		
Ward Obst & Gyne	67	Nursing station/ Staff base	I-002	Defibrillator	1		
Ward Obst & Gyne	67	Nursing station/ Staff base	W-032	Nursing Cart	5		
Ward Obst & Gyne	67	Nursing station/ Staff base	O-145	Jackson-Resource Resuscitator, 0.5L	1		
Ward Obst & Gyne	67	Nursing station/ Staff base	O-146	Jackson-Resource Resuscitator, 3L	1		
Ward Obst & Gyne	67	Nursing station/ Staff base	P-037	Refrigerator Medical (350L)	1		
Ward Obst & Gyne	67	Nursing station/ Staff base	I-024	Pulse Oximeter	3		
Ward Obst & Gyne	67	Nursing station/ Staff base	E-014	Laryngoscope	3		
Ward Obst & Gyne	67	Nursing station/ Staff base	I-025	Sphygmomanometer, Digital Automatic	3		

Major Equipment List based on RFP room list

Department	Room No.	Room Description	Item No.	Description	Q'ty	Iraq Side	Remarks
Ward Obste & Gyne	68	Clean utility & medication	P-010	Cabinet, Hazardous Material	1		
Ward Obste & Gyne	68	Clean utility & medication	P-017	Drug Trolley (Including Partition Board and Tray)	2		
Ward Obste & Gyne	68	Clean utility & medication	P-009	Cabinet, Drug	2		
Ward Obste & Gyne	68	Clean utility & medication	L-117	Table, Laboratory, Ward	1		
Ward Obste & Gyne	69	Soiled utility & disposal	W-015	Bedpan Rack (for 4 bedpans and 8 urinpans)	2		
Ward Obste & Gyne	70	CPR & Clean linen trolley bay	W-018	Cart, Emergency	1		
Ward Obste & Gyne	70	CPR & Clean linen trolley bay	W-017	Carring Cart	1		
Ward Obste & Gyne	71	Examination/ treatment room	O-040	Examination Unit and Spot Lamp (Shadowless)	1		
Ward Obste & Gyne	71	Examination/ treatment room	O-151	Mouth Gag, Highstel	1		
Ward Obste & Gyne	71	Examination/ treatment room	I-017	Monitor, Delivery	5		
Ward Obste & Gyne	73	Mobile equipment parking bay	I-028	Ventilator	1		
Ward Obste & Gyne	73	Mobile equipment parking bay	W-024	Infusion and Blood Warmer	2		
Ward Obste & Gyne	73	Mobile equipment parking bay	C-033	ECG	1		
Ward Obste & Gyne	73	Mobile equipment parking bay	I-027	Syringe Pump	3		
Ward Obste & Gyne	73	Mobile equipment parking bay	W-025	Infusion Pump	3		
Ward Obste & Gyne	73	Mobile equipment parking bay	I-017	Monitor, Delivery	6		
Ward Obste & Gyne	74	Equipment store	W-027	IV Stand with Grip	15		
Ward Obste & Gyne	74	Equipment store	W-039	Suction Pump, Wall Mount Type	3		
Ward Obste & Gyne	74	Equipment store	W-041	Treatment Cart	1		
Ward Obste & Gyne	74	Equipment store	W-033	Oxygen Flowmeter, Wall Mount Type, 10L	15		
Ward Obste & Gyne	74	Equipment store	W-004	Bed Weight Monitor, (four-point type)	1		
Ward Obste & Gyne	75	Stretchers and wheelchairs parking	W-037	Stretcher	3		
Ward Obste & Gyne	75	Stretchers and wheelchairs parking	W-044	Wheelchair	5		
Ward Obste & Gyne	80	Newborn nursery	W-043	Weight Scale, Neonatal	1		
Ward Obste & Gyne	80	Newborn nursery	W-013	Bed, New born	18		
Ward Obste & Gyne	80	Newborn nursery	W-046	Incubator, baby	6		
Ward Obste & Gyne	81	Milk formula preparation	P-038	Refrigerator, medical 120-160L	2		
Ward Obste & Gyne	81	Milk formula preparation	W-030	Milk Warmer	1		
Ward Obste & Gyne	82	Consultation/ demonstration/ Breast feeding room	W-043	Weight Scale, Neonatal	1		
Ward Obste & Gyne	82	Consultation/ demonstration/ Breast feeding room	W-042	Treatment Stand (infant warmer type)	1		
Ward Obste & Gyne	83	Clean workroom	L-118	Table, stainless steel	1		
Ward Obste & Gyne	83	Clean workroom	W-017	Carring Cart	1		
Ward Obste & Gyne	84	Soiled workroom & Soiled holding	L-118	Table, stainless steel	1		
Ward Obste & Gyne	85	Janitor closet	S-013	Cart, Multi Purpose	1		
Ward Obste & Gyne	85	Janitor closet	W-019	Cleaner, dry and wet	1		
Ward Obste & Gyne	85	Janitor closet	S-010	Cart, clean material	1		
Ward Obste & Gyne	89	Linen store	W-017	Carring Cart	1		
CCU	94	Single patient room w/ ensuite toilet	W-011	Bed, ICU, Electric with mattress and side rail	5		
CCU	94	Single patient room w/ ensuite toilet	I-007	Monitor for Severe Patient	5		
CCU	95	Nursing station/ Staff base	I-015	Monitor, Central	1		
CCU	95	Nursing station/ Staff base	I-002	Defibrillator	1		
CCU	95	Nursing station/ Staff base	C-124	Tourniquet, blood taking	1		
CCU	95	Nursing station/ Staff base	P-035	Refrigerato Freezer, Medical Fridge(Refrigerator:200L -Freezer:80L)	1		
CCU	95	Nursing station/ Staff base	O-054	Resuscitation Bag	2		
CCU	95	Nursing station/ Staff base	E-015	Laryngoscope, McIntosh, Fiber Optics	1		
CCU	95	Nursing station/ Staff base	E-016	Laryngoscope, Miller, Fiber Optics	1		
CCU	95	Nursing station/ Staff base	W-018	Cart, Emergency	1		
CCU	96	Clean work and supplies room	L-118	Table, stainless steel	1		
CCU	96	Clean work and supplies room	W-017	Carring Cart	1		
CCU	97	Medication station	P-010	Cabinet, Hazardous Material	1		
CCU	97	Medication station	P-017	Drug Trolley (Including Partition Board and Tray)	1		
CCU	97	Medication station	P-009	Cabinet, Drug	1		
CCU	97	Medication station	L-117	Table, Laboratory, Ward	1		
CCU	98	Soiled workroom & Soiled holding	W-015	Bedpan Rack (for 4 bedpans and 8 urinpans)	1		
CCU	99	Special procedures room	O-146	Jackson-Resource Resuscitator, 3L	1		
CCU	99	Special procedures room	O-151	Mouth Gag, Highstel	1		
CCU	99	Special procedures room	O-015	Bite Block	4		L, M & S (each 100pcs.)
CCU	100	Stat laboratory	L-028	Blood Cell Counter automatic	1		
CCU	100	Stat laboratory	L-100	Refrigerator, medicine (290 to 350 L, vertical type)	1		
CCU	101	Respiratory therapy	I-004	Local Anestecia Nebulizer for Pleura	2		
CCU	101	Respiratory therapy	W-031	Nebulizer (jet compressor type)	1		
CCU	105	Mobile equipment parking bay	I-028	Ventilator	5		
CCU	105	Mobile equipment parking bay	W-024	Infusion and Blood Warmer	5		
CCU	105	Mobile equipment parking bay	L-038	Blood Warmer	5		
CCU	105	Mobile equipment parking bay	I-027	Syringe Pump	13		
CCU	105	Mobile equipment parking bay	W-025	Infusion Pump	10		
CCU	105	Mobile equipment parking bay	W-035	Patient warmer	5		
CCU	105	Mobile equipment parking bay	O-055	Spot Lamp, Stand Type	5		
CCU	105	Mobile equipment parking bay	O-052	Pacemaker, extracoporeal type	3		
CCU	106	Equipment store and workshop	W-039	Suction Pump, Wall Mount Type	5		

Major Equipment List based on RFP room list

Department	Room No.	Room Description	Item No.	Description	Q'ty	Iraq Side	Remarks
CCU	106	Equipment store and workshop	W-041	Treatment Cart	2		
CCU	106	Equipment store and workshop	W-033	Oxygen Flowmeter, Wall Mount Type, 10L	5		
CCU	107	Stretchers and wheelchairs parking	W-037	Stretcher	2		
CCU	107	Stretchers and wheelchairs parking	W-044	Wheelchair	2		
CCU	108	Janitor closet	S-013	Cart, Multi Purpose	1		
CCU	108	Janitor closet	S-010	Cart, clean material	1		
CCU	111	Staff changing lockers	S-012	Cart, laundry	1		
CCU	115	Seminar / training room	X-061	X-ray Film viewer, for 2 Lines for 3 Half-size, Stand Type	1		
ICU Medical & Surgical	121	Surgical ICU Single bedroom	W-002	Bed ICU	2		
ICU Medical & Surgical	121	Surgical ICU Single bedroom	I-007	Monitor for Severe Patient	2		
ICU Medical & Surgical	122	Medical ICU Single bedroom open ward	W-002	Bed ICU	8		
ICU Medical & Surgical	122	Medical ICU Single bedroom open ward	I-007	Monitor for Severe Patient	8		
ICU Medical & Surgical	123	Isolation cubicle w/ airlock & wc	W-002	Bed ICU	2		
ICU Medical & Surgical	123	Isolation cubicle w/ airlock & wc	I-007	Monitor for Severe Patient	2		
ICU Medical & Surgical	124	Patient's wc	L-118	Table, stainless steel	1		
ICU Medical & Surgical	125	Nursing station/ Staff base	I-015	Monitor, Central	1		
ICU Medical & Surgical	125	Nursing station/ Staff base	I-002	Defibrillator	1		
ICU Medical & Surgical	125	Nursing station/ Staff base	C-124	Tourniquet, blood taking	1		
ICU Medical & Surgical	125	Nursing station/ Staff base	P-035	Refrigerato Freezer, Medical Fridge(Refrigerator:200L-Freezer:80L)	1		
ICU Medical & Surgical	125	Nursing station/ Staff base	O-054	Resuscitation Bag	3		
ICU Medical & Surgical	125	Nursing station/ Staff base	E-015	Laryngoscope, McIntosh, Fiber Optics	3		
ICU Medical & Surgical	126	Clean work and supplies room	W-017	Carring Cart	1		
ICU Medical & Surgical	127	Medication station	P-010	Cabinet, Hazardous Material	1		
ICU Medical & Surgical	127	Medication station	P-017	Drug Trolley (Including Partition Board and Tray)	2		
ICU Medical & Surgical	127	Medication station	P-009	Cabinet, Drug	1		
ICU Medical & Surgical	127	Medication station	L-117	Table, Laboratory, Ward	1		
ICU Medical & Surgical	128	Soiled workroom & Soiled holding	W-015	Bedpan Rack (for 4 bedpans and 8 urinpans)	1		
ICU Medical & Surgical	130	Stat laboratory	L-028	Blood Cell Counter automatic	1		
ICU Medical & Surgical	130	Stat laboratory	L-031	Blood Gas Analyzer with Electrolyte	1		
ICU Medical & Surgical	130	Stat laboratory	L-100	Refrigerator, medicine (290 to 350 L, vertical type)	1		
ICU Medical & Surgical	130	Stat laboratory	L-030	Blood Coagulation and Platelet Function Analyzer	1		
ICU Medical & Surgical	131	Respiratory therapy	I-004	Local Anestecia Nebulizer for Pleura	2		
ICU Medical & Surgical	131	Respiratory therapy	W-031	Nebulizer (jet compressor type)	1		
ICU Medical & Surgical	133	CPR & linen trolley alcove	W-018	Cart, Emergency	1		
ICU Medical & Surgical	133	CPR & linen trolley alcove	W-017	Carring Cart	1		
ICU Medical & Surgical	135	Mobile equipment parking bay	I-028	Ventilator	10		
ICU Medical & Surgical	135	Mobile equipment parking bay	X-073	X-ray unit, mobile	1		
ICU Medical & Surgical	135	Mobile equipment parking bay	W-024	Infusion and Blood Warmer	10		
ICU Medical & Surgical	135	Mobile equipment parking bay	L-038	Blood Warmer	10		
ICU Medical & Surgical	135	Mobile equipment parking bay	I-027	Syringe Pump	30		
ICU Medical & Surgical	135	Mobile equipment parking bay	W-025	Infusion Pump	20		
ICU Medical & Surgical	135	Mobile equipment parking bay	W-039	Suction Pump, Wall Mount Type	10		
ICU Medical & Surgical	135	Mobile equipment parking bay	W-035	Patient warmer	3		
ICU Medical & Surgical	135	Mobile equipment parking bay	O-055	Spot Lamp, Stand Type	3		
ICU Medical & Surgical	135	Mobile equipment parking bay	O-052	Pacemaker, extracorporeal type	3		
ICU Medical & Surgical	136	Equipment store and workshop	W-041	Treatment Cart	3		
ICU Medical & Surgical	136	Equipment store and workshop	W-033	Oxygen Flowmeter, Wall Mount Type, 10L	12		
ICU Medical & Surgical	137	Stretchers and wheelchairs parking	W-037	Stretcher	3		
ICU Medical & Surgical	138	Janitor closet	S-013	Cart, Multi Purpose	1		
ICU Medical & Surgical	141	Staff changing lockers	S-012	Cart, laundry	1		
ICU Medical & Surgical	145	Seminar / training room	X-061	X-ray Film viewer, for 2 Lines for 3 Half-size, Stand Type	1		
PICU	151	Bed area with Curtain	W-007	Bed, Electric Pediatric with mattress, side rail	3		
PICU	151	Bed area with Curtain	W-003A	Cabinet, Bed Side	3		
PICU	151	Bed area with Curtain	W-003B	Table, Over bed	3		
PICU	151	Bed area with Curtain	I-007	Monitor for Severe Patient	3		
PICU	152	Single-bed cubicle	I-008	Monitor, Bed side	1		
PICU	152	Single-bed cubicle	W-007	Bed, Electric Pediatric with mattress, side rail	1		
PICU	152	Single-bed cubicle	W-003A	Cabinet, Bed Side	1		
PICU	152	Single-bed cubicle	W-003B	Table, Over bed	1		
PICU	153	Isolation cubicle w/ airlock & wc	I-008	Monitor, Bed side	1		
PICU	153	Isolation cubicle w/ airlock & wc	W-007	Bed, Electric Pediatric with mattress, side rail	1		
PICU	153	Isolation cubicle w/ airlock & wc	W-003A	Cabinet, Bed Side	1		
PICU	153	Isolation cubicle w/ airlock & wc	W-003B	Table, Over bed	1		
PICU	155	Nursing station/ Staff base	I-015	Monitor, Central	1		
PICU	155	Nursing station/ Staff base	I-002	Defibrillator	1		
PICU	155	Nursing station/ Staff base	W-018	Cart, Emergency	1		
PICU	155	Nursing station/ Staff base	W-032	Nursing Cart	1		
PICU	156	Clean work and supplies room	L-118	Table, stainless steel	1		
PICU	160	Stat laboratory	L-028	Blood Cell Counter automatic	1		
PICU	161	Respiratory therapy	C-002	Airway Hyper Reactivity Test System	1		

Major Equipment List based on RFP room list

Department	Room No.	Room Description	Item No.	Description	Q'ty	Iraq Side	Remarks
PICU	161	Respiratory therapy	I-004	Local Anestecia Nebulizer for Pleura	1		
PICU	161	Respiratory therapy	W-031	Nebulizer (jet compressor type)	3		
PICU	163	CPR & linen trolley alcove	W-017	Carring Cart	1		
PICU	165	Mobile equipment parking bay	I-028	Ventilator	5		
PICU	165	Mobile equipment parking bay	W-024	Infusion and Blood Warmer	5		
PICU	165	Mobile equipment parking bay	I-027	Syringe Pump	15		
PICU	165	Mobile equipment parking bay	W-025	Infusion Pump	10		
PICU	167	Stretchers and wheelchairs parking	W-037	Stretcher	1		
PICU	167	Stretchers and wheelchairs parking	W-001	Baby Strecher	1		
PICU	167	Stretchers and wheelchairs parking	W-044	Wheelchair, pediatric	1		
PICU	168	Janitor closet	S-013	Cart, Multi Purpose	1		
PICU	168	Janitor closet	W-019	Cleaner, dry and wet	1		
PICU	168	Janitor closet	S-010	Cart, clean material	1		
PICU	175	Seminar / training room	X-061	X-ray Film viewer, for 2 Lines for 3 Half-size, Stand Type	1		
Accident Emergency	182	Trolley / wheelchair parking bay	W-041	Treatment Cart	1		
Accident Emergency	182	Trolley / wheelchair parking bay	W-037	Stretcher	6		
Accident Emergency	182	Trolley / wheelchair parking bay	W-044	Wheelchair	6		
Accident Emergency	190	Examination / assessment cubicle (Pediatrics)	C-038	Electonical Examination Table (with fence)	1		
Accident Emergency	190	Examination / assessment cubicle (Pediatrics)	W-043	Weight Scale, Neonatal	1		
Accident Emergency	191	Examination / assessment cubicle (Cardiology)	C-135	Ultrasound Apparatus, Cardiac Color dopplor	1		
Accident Emergency	191	Examination / assessment cubicle (Cardiology)	C-038	Electonical Examination Table (with fence)	1		
Accident Emergency	191	Examination / assessment cubicle (Cardiology)	C-033	ECG	1		
Accident Emergency	192	Examination / assessment cubicle (Surgery)	C-038	Electonical Examination Table (with fence)	1		
Accident Emergency	193	Examination / assessment cubicle (OB/GYN)	C-038	Electonical Examination Table (with fence)	1		
Accident Emergency	193	Examination / assessment cubicle (OB/GYN)	C-133	Ultrasound Apparatus, Gynecology	1		
Accident Emergency	193	Examination / assessment cubicle (OB/GYN)	I-002B	Doppler Fetus	1		
Accident Emergency	193	Examination / assessment cubicle (OB/GYN)	O-040	Examination Unit and Spot Lamp (Shadowless)	1		
Accident Emergency	193	Examination / assessment cubicle (OB/GYN)	W-042	Treatment Stand (infant warmer type)	1		
Accident Emergency	193	Examination / assessment cubicle (OB/GYN)	E-014	Laryngoscope	2		
Accident Emergency	193	Examination / assessment cubicle (OB/GYN)	O-151	Mouth Gag, Highstel	1		
Accident Emergency	193	Examination / assessment cubicle (OB/GYN)	E-015	Laryngoscope, Mcintosh, Fiber Optics	2		
Accident Emergency	193	Examination / assessment cubicle (OB/GYN)	E-016	Laryngoscope, Miller, Fiber Optics	2		
Accident Emergency	194	Resuscitation , 2 places	I-002	Defibrillator	1		
Accident Emergency	194	Resuscitation , 2 places	O-044	Operation Lamp, single head	2		
Accident Emergency	194	Resuscitation , 2 places	O-147	Kick bucket	2		
Accident Emergency	194	Resuscitation , 2 places	I-022	Monitor for Critical Patients (movable)	2		
Accident Emergency	194	Resuscitation , 2 places	O-038	Electronical Instrument Cart	2		
Accident Emergency	196	Minor operating / major treatments	O-040	Examination Unit and Spot Lamp (Shadowless)	1		
Accident Emergency	196	Minor operating / major treatments	O-041	Operation Lamp, double head	1		
Accident Emergency	196	Minor operating / major treatments	O-037	Electro Surgical Unit	1		
Accident Emergency	196	Minor operating / major treatments	O-004	Anesthesia Machine	1		
Accident Emergency	196	Minor operating / major treatments	O-005	Anesthesia Machine for Pediatric	1		
Accident Emergency	196	Minor operating / major treatments	O-046	Operation Table	1		
Accident Emergency	196	Minor operating / major treatments	O-034	Electronic Clock	1		
Accident Emergency	196	Minor operating / major treatments	O-057	Sterile Tray, Mayo Type	2		
Accident Emergency	196	Minor operating / major treatments	X-060	X-ray Film Viewer	1		
Accident Emergency	196	Minor operating / major treatments	O-020	Blood Loss Measurment Machine with Gauze	1		
Accident Emergency	196	Minor operating / major treatments	O-147	Kick bucket	1		
Accident Emergency	196	Minor operating / major treatments	O-054	Resuscitation Bag	1		
Accident Emergency	196	Minor operating / major treatments	I-007	Monitor for Severe Patient	1		
Accident Emergency	196	Minor operating / major treatments	W-024	Infusion and Blood Warmer	1		
Accident Emergency	196	Minor operating / major treatments	S-013	Cart, Multi Purpose	1		
Accident Emergency	196	Minor operating / major treatments	E-014	Laryngoscope	1		
Accident Emergency	196	Minor operating / major treatments	O-151	Mouth Gag, Highstel	1		
Accident Emergency	196	Minor operating / major treatments	O-042	Foot Pump for Prevention of Pulmonary Embolism	1		
Accident Emergency	196	Minor operating / major treatments	O-003	Anestecia Cart	1		
Accident Emergency	196	Minor operating / major treatments	W-041	Treatment Cart	1		
Accident Emergency	198	Recovery cubicle (OR)	O-054	Resuscitation Bag	1		
Accident Emergency	198	Recovery cubicle (OR)	I-008	Monitor, Bed side	1		
Accident Emergency	198	Recovery cubicle (OR)	W-038	Stretcher, Emergency	1		
Accident Emergency	198	Recovery cubicle (OR)	O-145	Jackson-Resource Resuscirator, 0.5L	1		
Accident Emergency	198	Recovery cubicle (OR)	O-146	Jackson-Resource Resuscirator, 3L	1		
Accident Emergency	198	Recovery cubicle (OR)	O-054	Resuscitation Bag	1		
Accident Emergency	199	Satellite pharmacy	L-117	Table, Laboratory, Ward	1		
Accident Emergency	199	Satellite pharmacy	P-010	Cabinet, Hazardous Material	1		
Accident Emergency	199	Satellite pharmacy	P-009	Cabinet, Drug	1		
Accident Emergency	199	Satellite pharmacy	L-100	Refrigerator, medicine (290 to 350 L, vertical type)	1		
Accident Emergency	199	Satellite pharmacy	P-017	Drug Trolley (Including Partition Board and Tray)	1		
Accident Emergency	200	Patient observation ward w/ toilet	W-009	Bed, Electric with mattress, side rail	24		
Accident Emergency	200	Patient observation ward w/ toilet	I-006	Monitor for Emergency Ward	10		

Major Equipment List based on RFP room list

Department	Room No.	Room Description	Item No.	Description	Q'ty	Iraq Side	Remarks
Accident Emergency	200	Patient observation ward w/ toilet	W-003A	Cabinet, Bed Side	24		
Accident Emergency	200	Patient observation ward w/ toilet	W-003B	Table, Over bed	24		
Accident Emergency	200	Patient observation ward w/ toilet	I-008	Monitor, Bed side	10		
Accident Emergency	201	Staff base	I-016	Monitor, Central for Ward	1		
Accident Emergency	201	Staff base	P-038	Refrigerator, medical 120-160L	1		
Accident Emergency	201	Staff base	E-014	Laryngoscope	3		
Accident Emergency	201	Staff base	L-117	Table, Laboratory, Ward	1		
Accident Emergency	201	Staff base	I-024	Pulse Oximeter	10		
Accident Emergency	203	Clean supplies / workroom	L-118	Table, stainless steel	1		
Accident Emergency	204	Soiled workroom & Disposal holding	L-118	Table, stainless steel	1		
Accident Emergency	204	Soiled workroom & Disposal holding	W-015	Bedpan Rack (for 4 bedpans and 8 urinpans)	1		
Accident Emergency	205	Store, equipment	I-029	Ventilator (movable, MRI acceptable)	5		
Accident Emergency	205	Store, equipment	I-030	Ventilator Pediatric	2		
Accident Emergency	205	Store, equipment	I-027	Syringe Pump	20		
Accident Emergency	205	Store, equipment	W-025	Infusion Pump	40		
Accident Emergency	206	Mobile equipment bay	W-027	IV Stand with Grip	20		
Accident Emergency	206	Mobile equipment bay	W-039	Suction Pump, Wall Mount Type	20		
Accident Emergency	206	Mobile equipment bay	W-033	Oxygen Flowmeter, Wall Mount Type, 10L	20		
Accident Emergency	207	Mobile x-ray unit bay	X-073	X-ray unit, mobile	1		
Accident Emergency	207	Mobile x-ray unit bay	X-074	X-ray unit, Mobile, C arm	1		
Accident Emergency	209	Janitor closet	S-013	Cart, Multi Purpose	1		
Accident Emergency	211	Staff changing lockers and toilets, male	S-012	Cart, laundry	1		
Accident Emergency	212	Staff changing lockers and toilets, female	S-012	Cart, laundry	1		
OPD	226	Janitor	S-013	Cart, Multi Purpose	2		
OPD	226	Janitor	W-019	Cleaner, dry and wet	2		
OPD	226	Janitor	S-010	Cart, clean material	2		
OPD	233	Procedure room	C-125	Treatment table	1		Electric
OPD	233	Procedure room	W-027	IV Stand with Grip	1		
OPD	234	Consult/exam room	P-038	Refrigerator, medical 120-160L	1		
OPD	234	Consult/exam room	C-125	Treatment table	5		Electric
OPD	234	Consult/exam room	W-027	IV Stand with Grip	5		
OPD	234	Consult/exam room	C-079	Medical Cabinet	5		900W
OPD	234	Consult/exam room	W-041	Treatment Cart	5		
OPD	234	Consult/exam room	C-111	Sphygmomanometer, Digital Automatic	5		
OPD	234	Consult/exam room	E-014	Laryngoscope	5		
OPD	234	Consult/exam room	I-024	Pulse Oximeter	5		
OPD	234	Consult/exam room	P-014	Cool Box, medicine	5		
OPD	240	Housekeeping	S-013	Cart, Multi Purpose	1		
OPD	240	Housekeeping	W-019	Cleaner, dry and wet	1		
OPD	240	Housekeeping	S-010	Cart, clean material	1		
OPD	247	Consult/exam room	W-027	IV Stand with Grip	5		
OPD	247	Consult/exam room	C-125	Treatment table	5		Electric
OPD	247	Consult/exam room	C-136	Ultrasound Apparatus, General Color	1		
OPD	247	Consult/exam room	P-038	Refrigerator, medical 120-160L	1		
OPD	247	Consult/exam room	C-079	Medical Cabinet	5		
OPD	247	Consult/exam room	W-041	Treatment Cart	5		
OPD	247	Consult/exam room	C-111	Sphygmomanometer, Digital Automatic	5		
OPD	247	Consult/exam room	E-014	Laryngoscope	5		
OPD	247	Consult/exam room	I-024	Pulse Oximeter	5		
OPD	247	Consult/exam room	W-033	Oxygen Flowmeter, Wall Mount Type, 10L	5		
OPD	247	Consult/exam room	W-031	Nebulizer (jet compressor type)	1		
OPD	247	Consult/exam room	C-131	Ultrasonic Interactive Blood Flowmeter	1		
OPD	247	Consult/exam room	P-014	Cool Box, medicine	5		
OPD	253	Housekeeping	S-013	Cart, Multi Purpose	1		
OPD	253	Housekeeping	W-019	Cleaner, dry and wet	1		
OPD	253	Housekeeping	S-010	Cart, clean material	1		
OPD	265	Dermatology consult/exam	C-017	CCD TV system	2		
OPD	265	Dermatology consult/exam	C-044	Examination table	2		
OPD	265	Dermatology consult/exam	C-064	Hot plate	2		
OPD	265	Dermatology consult/exam	C-043	Epiluminescence microscope	2		
OPD	265	Dermatology consult/exam	C-082	Microscope videoroupe, with TV monitor	1		
OPD	266	Procedure room	P-038	Refrigerator, medical 120-160L	1		
OPD	266	Procedure room	C-111	Sphygmomanometer, Digital Automatic	2		
OPD	266	Procedure room	C-068	Infrared treatment unit	1		
OPD	266	Procedure room	C-129	Ultrashortwave therapy unit	1		
OPD	266	Procedure room	C-066	Incubator, table-top type	1		
OPD	266	Procedure room	C-125	Treatment table	1		Electric
OPD	266	Procedure room	C-102	Refrigerator, medical 120-160L	1		
OPD	266	Procedure room	C-065	Ice maker, crushed ice	1		
OPD	266	Procedure room	C-112	Spot light, with stand	1		

Major Equipment List based on RFP room list

Department	Room No.	Room Description	Item No.	Description	Q'ty	Iraq Side	Remarks
OPD	266	Procedure room	C-029	Dewar flask	4		
OPD	266	Procedure room	C-082	Microscope videoroupe, with TV monitor	1		
OPD	266	Procedure room	C-064	Hot plate	1		
OPD	267	Procedure room, Laser room/appellation/etc	C-104	Ruby laser treatment unit	1		
OPD	267	Procedure room, Laser room/appellation/etc	C-061	Hemangioma simplex laser treatment unit	1		
OPD	267	Procedure room, Laser room/appellation/etc	C-020	CO gas laser treatment unit	1		
OPD	267	Procedure room, Laser room/appellation/etc	C-054	Facial image analyzer	1		
OPD	267	Procedure room, Laser room/appellation/etc	C-125	Treatment table	1		Electric
OPD	268	Minor treatment/ Recovery area	O-044	Operation Lamp, single head	1		
OPD	268	Minor treatment/ Recovery area	O-033	Electrocautery Unit Loop	1		
OPD	268	Minor treatment/ Recovery area	C-125	Treatment table	1		Electric
OPD	268	Minor treatment/ Recovery area	W-005	Bed, with mattress, side rail	1		
OPD	275	Urology consult/exam	C-047	Examination Table, Urology	1		
OPD	275	Urology consult/exam	L-074	Microscope	1		
OPD	275	Urology consult/exam	C-111	Sphygmomanometer, Digital Automatic	1		
OPD	275	Urology consult/exam	X-062	X-ray film viewer, wall mounted type	1		
OPD	275	Urology consult/exam	C-137	Ultrasound apparatus, transrectal radial scanner	1		
OPD	275	Urology consult/exam	C-073	Irrigation stand, hydraulic	1		
OPD	275	Urology consult/exam	C-139	Urodynamic system, with uroflow unit	1		
OPD	276	Lithotripsy room	C-022	ESWL		1	Iraq side
OPD	276	Lithotripsy room	C-137	Ultrasound apparatus, transrectal radial scanner		1	Iraq side
OPD	278	Cystoscopy room	C-048	Examination Table, Urology	1		
OPD	278	Cystoscopy room	E-005	Cystoscope, Lithotomy, Kameda Type	2		
OPD	278	Cystoscopy room	E-003	Cystoendoscope	2		
OPD	278	Cystoscopy room	E-008	Endoscope, Video System	1		
OPD	278	Cystoscopy room	E-006	Cystoscope, Urethral	2		
OPD	278	Cystoscopy room	E-004	Cystoscope, Foreign Body, Young Type	2		
OPD	279	Recovery room	W-005	Bed, with mattress, side rail	1		
OPD	285	Epilepsy room adult	W-005	Bed, with mattress, side rail	2		
OPD	286	Epilepsy room pediatric	W-006	Bed, with mattress, side rail for pediatric	2		
OPD	287	EMG Exam	C-040	Electromyograph (EMG)	1		
OPD	288	EEG Exam	C-037	EEG, Digital, Table Top Type	1		
OPD	288	EEG Exam	C-039	Electroencephalograph (EEG), Portable Type	1		
OPD	293	Dental surgery	C-027	Curing Light	1		
OPD	293	Dental surgery	C-049	Dental unit	1		
OPD	293	Dental surgery	C-142	Vacuum Stirring Device	1		
OPD	294	Dental work area/ sterilization / film processing	S-020	Sterilizer Steam, Table Top Type	1		
OPD	294	Dental work area/ sterilization / film processing	C-003	Articulator	1		
OPD	294	Dental work area/ sterilization / film processing	C-069	Instrument Set for Articulator	1		
OPD	294	Dental work area/ sterilization / film processing	C-101	Porcelain Furnace	1		
OPD	294	Dental work area/ sterilization / film processing	C-141	Vacuum pump, dry	1		
OPD	294	Dental work area/ sterilization / film processing	C-140	Vacuum mixer	1		
OPD	294	Dental work area/ sterilization / film processing	C-019	Clasp surveyor	1		
OPD	294	Dental work area/ sterilization / film processing	C-149	Waxpen	1		
OPD	294	Dental work area/ sterilization / film processing	C-010	Burner	1		
OPD	294	Dental work area/ sterilization / film processing	C-015	Casting machine, arc-type	1		
OPD	294	Dental work area/ sterilization / film processing	C-016	Casting machine, horizontal type	1		
OPD	294	Dental work area/ sterilization / film processing	C-070	Instrument set for casting	1		
OPD	294	Dental work area/ sterilization / film processing	C-011	Burnout furnace	1		
OPD	294	Dental work area/ sterilization / film processing	C-096	Pencil Blaster	1		
OPD	294	Dental work area/ sterilization / film processing	C-119	Thermoplastic pressure former	1		
OPD	294	Dental work area/ sterilization / film processing	C-071	Instrument set for dental laboratory	1		
OPD	294	Dental work area/ sterilization / film processing	C-075	Laboratory lathe box with dust vacuum	1		
OPD	294	Dental work area/ sterilization / film processing	C-076	Laboratory working box	1		
OPD	294	Dental work area/ sterilization / film processing	C-077	Laboratory working table	1		
OPD	294	Dental work area/ sterilization / film processing	C-130	Ultrasonic cleaner	1		
OPD	294	Dental work area/ sterilization / film processing	C-001	Acid water producing machine	1		
OPD	294	Dental work area/ sterilization / film processing	C-100	Plaster trap	1		
OPD	294	Dental work area/ sterilization / film processing	C-081	Micro motor	1		
OPD	294	Dental work area/ sterilization / film processing	C-083	Model trimmer	1		
OPD	294	Dental work area/ sterilization / film processing	C-143	Vibrator	1		
OPD	294	Dental work area/ sterilization / film processing	C-074	Laboratory lathe	1		
OPD	294	Dental work area/ sterilization / film processing	C-057	Flask press	1		
OPD	294	Dental work area/ sterilization / film processing	C-012	Cabinet	1		
OPD	296	Film processing	X-059	X-ray film developer for Dental Panoramic	1		
OPD	297	Dental x-ray / panoramic	C-028	Dental X-ray Unit	1		
OPD	297	Dental x-ray / panoramic	X-070	X-ray Unit, Dental Panoramic	1		
OPD	298	Dental store	C-072	Instrument set, dental treatment	1		
OPD	305	Respiratory lab	C-103	Respiratory Function Test Unit	1		
OPD	306	Stress test echography	C-036	ECG, Stress Test System (Treadmill System)	1		

Major Equipment List based on RFP room list

Department	Room No.	Room Description	Item No.	Description	Q'ty	Iraq Side	Remarks
OPD	306	Stress test echography	C-044	Examination table	1		
OPD	306	Stress test echography	C-033	ECG	1		
OPD	306	Stress test echography	C-111	Sphygmomanometer, Digital Automatic	1		
OPD	307	Pacemaker check	L-118	Table, stainless steel	1		
OPD	308	Echo-cardiograph	C-135	Ultrasound Apparatus, Cardiac Color dopplor	1		
OPD	308	Echo-cardiograph	C-125	Treatment table	1		Electric
OPD	309	ECG room	C-034	ECG (with analyzer)	2		
OPD	310	Holter	C-035	ECG, Holter recorder	5		
OPD	310	Holter	C-062	ECG, Holter Analyzer	1		
OPD	313	Clean utility	C-079	Medical Cabinet	1		
OPD	313	Clean utility	W-019	Cleaner, dry and wet	1		
OPD	313	Clean utility	S-010	Cart, clean material	1		
OPD	317	Housekeeping	S-013	Cart, Multi Purpose	1		
OPD	323	OB/ GYN. Maternity consult/exam	C-046	Examination Table, OB &GY	1		
OPD	323	OB/ GYN. Maternity consult/exam	C-111	Sphygmomanometer, Digital Automatic	1		
OPD	324	Minor Procedure room-lavage etc..	E-027	Corposcope	1		
OPD	324	Minor Procedure room-lavage etc..	O-037	Electro Surgical Unit	1		
OPD	325	OBS ultrasound	C-125	Treatment table	1		Electric
OPD	325	OBS ultrasound	C-133	Ultrasound Apparatus, Gynecology	1		
OPD	333	Housekeeping	C-079	Medical Cabinet	1		
OPD	333	Housekeeping	W-019	Cleaner, dry and wet	1		
OPD	333	Housekeeping	S-010	Cart, clean material	1		
OPD	340	Consult/exam clinic	C-125	Treatment table	1		Electric
OPD	340	Consult/exam clinic	C-111	Sphygmomanometer, Digital Automatic, pediatric	1		
OPD	342	Treatment room	W-041	Treatment Cart	1		
OPD	342	Treatment room	W-027	IV Stand with Grip	1		
OPD	342	Treatment room	W-039	Suction Pump, Wall Mount Type	1		
OPD	342	Treatment room	C-111	Sphygmomanometer, Digital Automatic, pediatric	1		
OPD	342	Treatment room	W-031B	Nebulizer	2		
OPD	344	Clean utility	S-010	Cart, clean material	2		
OPD	348	Housekeeping	C-079	Medical Cabinet	1		
OPD	348	Housekeeping	S-013	Cart, Multi Purpose	1		
OPD	348	Housekeeping	W-019	Cleaner, dry and wet	1		
OPD	348	Housekeeping	S-010	Cart, clean material	1		
OPD	354	Ophthalmology consult/exam	C-106	Slit Lamp	1		
OPD	354	Ophthalmology consult/exam	C-013	Camera 3CCDsystem	1		
OPD	354	Ophthalmology consult/exam	C-120	Tonometer, handy type	1		
OPD	354	Ophthalmology consult/exam	X-060	X-ray Film Viewer	1		
OPD	354	Ophthalmology consult/exam	C-093	Ophthalmoscope, Monocular Indirect	1		
OPD	354	Ophthalmology consult/exam	C-078	Letinometer, with charger	1		
OPD	354	Ophthalmology consult/exam	C-059	Handle, rechargeable	1		
OPD	354	Ophthalmology consult/exam	C-014	Cart, dressing change	1		
OPD	356	Shared flexible testing area	C-042	Electroretinograph	1		
OPD	356	Shared flexible testing area	C-008	Auto refractokeratomete, hand-held type	1		
OPD	356	Shared flexible testing area	C-118	Synoptoscope, with optical bench	1		
OPD	356	Shared flexible testing area	C-026	Critical flicker fusion rate (C.F.F) test appratus	1		
OPD	356	Shared flexible testing area	C-044	Examination table	1		
OPD	356	Shared flexible testing area	C-085	Mydriatic Retinal Camera	1		
OPD	356	Shared flexible testing area	C-087	OCT scanner	1		
OPD	356	Shared flexible testing area	C-060	Heidelberg angiography	1		
OPD	356	Shared flexible testing area	C-097	Perimetry measurement unit	1		
OPD	356	Shared flexible testing area	C-007	Auto Refract- Keratometer, with electrical optical bench	1		
OPD	356	Shared flexible testing area	C-023	Corneal endothelial cells imaging machine, with electrical optical bench	1		
OPD	356	Shared flexible testing area	C-024	Corneal topography, with electrical optical bench	1		
OPD	356	Shared flexible testing area	C-055	FDT screener, with electrical optical bench	1		
OPD	356	Shared flexible testing area	C-126	Trial lenses	1		
OPD	356	Shared flexible testing area	C-051	Eye-test chart unit	1		
OPD	356	Shared flexible testing area	C-006	Auto lense meter	1		
OPD	356	Shared flexible testing area	C-121	Tonometer, non-contact type	1		
OPD	356	Shared flexible testing area	C-132	Ultrasound apparatus, Ophthalmology	1		
OPD	356	Shared flexible testing area	C-091	Ophthalmoscope, indirect, laser	1		
OPD	356	Shared flexible testing area	C-009	Axial length and corneal measurement device	1		
OPD	356	Shared flexible testing area	C-108	Specular microscope	1		
OPD	356	Shared flexible testing area	C-099	Photocoagulator, multicolor laser	1		
OPD	356	Shared flexible testing area	C-092	Ophthalmic SLT/YAG laser	1		
OPD	356	Shared flexible testing area	C-095	PDT Laser	1		
OPD	356	Shared flexible testing area	C-053	Eye-test chart unit, infant	1		
OPD	356	Shared flexible testing area	C-150	YAG laser surgical unit	1		
OPD	358	Ophthalmology procedure	C-044	Examination table	1		
OPD	359	Visual field testing room	C-094	Optical Coherence Tomograph	1		

Major Equipment List based on RFP room list

Department	Room No.	Room Description	Item No.	Description	Q'ty	Iraq Side	Remarks
OPD	360	Refraction exam and contact lenses room	C-030	Digital Mydriatic and Non-Mydriatic Retinal Camera with 3CCD Camera	1		
OPD	360	Refraction exam and contact lenses room	C-023	Corneal endothelial cells imaging machine, with electrical optical bench	1		
OPD	360	Refraction exam and contact lenses room	C-123	Topography, with electrical optical bench	1		
OPD	360	Refraction exam and contact lenses room	C-055	FDT screener, with electrical optical bench	1		
OPD	360	Refraction exam and contact lenses room	C-127	Trial lenses	1		
OPD	360	Refraction exam and contact lenses room	C-052	Eye-test chart unit	1		
OPD	360	Refraction exam and contact lenses room	C-122	Tonometer, non-contact type	1		
OPD	361	Orthoptics exam room	C-105	Simple Examination Unit for Binocular Vision	1		
OPD	363	Laser treatment room	C-125	Treatment table	1		Electric
OPD	363	Laser treatment room	C-084	Multi Color Laser Unit	1		
OPD	364	Recovery room	W-008	Bed, Electric with mattress	2		
OPD	374	ENT consult/exam	C-117	Stimulator, Temperature	1		
OPD	374	ENT consult/exam	C-050	Examination Unit and Spot Lamp for ENT	2		
OPD	374	ENT consult/exam	C-086	Nebulizer	3		
OPD	374	ENT consult/exam	C-111	Sphygmomanometer, Digital Automatic	2		
OPD	374	ENT consult/exam	C-114	Stabilometer	1		
OPD	374	ENT consult/exam	C-041	Electronystagmograph	1		
OPD	374	ENT consult/exam	E-033	Fiberscope	1		
OPD	375	Audiometry booth	C-005	Audiometer	1		
OPD	377	Clean utility	C-079	Medical Cabinet	1		
OPD	377	Clean utility	W-019	Cleaner, dry and wet	1		
OPD	381	Housekeeping	S-013	Cart, Multi Purpose	1		
OPD	387	Exam	C-124	Tourniquet, blood taking	2		
OPD	388	Orthopedics treatment / plastering	R-039	Near-Infrared Radiation Unit	1		
OPD	388	Orthopedics treatment / plastering	C-058	Gypsum cutter	2		
OPD	388	Orthopedics treatment / plastering	R-071	Ultrashortwave Therapy Unit	1		
OPD	388	Orthopedics treatment / plastering	O-159	Operation Lamp , Mobile	1		
OPD	388	Orthopedics treatment / plastering	W-041	Treatment Cart	2		
OPD	389	Utility, plastering room	P-035	Refrigerato Freezer, Medical Fridge(Refrigerator:200L -Freezer:80L)	1		
OPD	389	Utility, plastering room	O-147	Kick bucket	1		
OPD	389	Utility, plastering room	C-079	Medical Cabinet	1		
OPD	389	Utility, plastering room	L-117	Table, Laboratory, Ward	1		
OPD	390	Minor procedure room-surgical dressing	O-147	Kick bucket	1		
OPD	390	Minor procedure room-surgical dressing	C-079	Medical Cabinet	1		
OPD	392	Utility room	W-041	Treatment Cart	1		
OPD	395	Housekeeping	S-013	Cart, Multi Purpose	2		
OPD	395	Housekeeping	W-019	Cleaner, dry and wet	1		
OPD	396	Distribution / issue	P-009	Cabinet, Drug	3		
OPD	397	Narcotics store/ controlled drugs	P-009	Cabinet, Drug	5		
OPD	397	Narcotics store/ controlled drugs	P-010	Cabinet, Hazardous Material	2		
OPD	398	Dispensary	L-024	Balance, electronics	1		
OPD	398	Dispensary	P-044	Tablet Table with Fluorescent Lamp	3		
OPD	398	Dispensary	P-020	External Medicine Table with Fluorescent Lamp	1		
OPD	398	Dispensary	P-033	Pill packer	1		
OPD	398	Dispensary	P-032	Paste Mixer	1		
OPD	399	Refrigerated storage	P-010	Cabinet, Hazardous Material	2		
OPD	399	Refrigerated storage	L-100	Refrigerator, medicine (290 to 350 L, vertical type)	2		
OPD	399	Refrigerated storage	P-014	Cool Box, medicine	1		
Renal Dialysis	411	Hemodialysis Cubicle open ward	D-002	Dialysis Monitor for Multiple Patients with Sphygmomanometer	7		
Renal Dialysis	411	Hemodialysis Cubicle open ward	W-010	Bed, Electric with Weight Scale,mattress, side rail	7		
Renal Dialysis	411	Hemodialysis Cubicle open ward	W-003B	Table, Over bed	7		
Renal Dialysis	412	Hemodialysis Cubicle pediatric	D-001	Continuous Hemodiafiltration Unit for pediatric	2		
Renal Dialysis	412	Hemodialysis Cubicle pediatric	W-010	Bed, Electric with Weight Scale,mattress, side rail	2		
Renal Dialysis	412	Hemodialysis Cubicle pediatric	W-003B	Table, Over bed	2		
Renal Dialysis	413	Hemodialysis Isolation Room	D-005	Dialysis Monitor with Sphygmomanometer	1		
Renal Dialysis	413	Hemodialysis Isolation Room	W-010	Bed, Electric with Weight Scale,mattress, side rail	1		
Renal Dialysis	413	Hemodialysis Isolation Room	W-003B	Table, Over bed	1		
Renal Dialysis	418	Nursing Station	I-002	Defibrillator	1		
Renal Dialysis	418	Nursing Station	W-018	Cart, Emergency	1		
Renal Dialysis	418	Nursing Station	W-041	Treatment Cart	1		
Renal Dialysis	418	Nursing Station	C-079	Medical Cabinet	1		
Renal Dialysis	419	Medication and clean workroom	D-006	Ice Machine	1		
Renal Dialysis	419	Medication and clean workroom	P-010	Cabinet, Hazardous Material	1		
Renal Dialysis	419	Medication and clean workroom	P-009	Cabinet, Drug	1		
Renal Dialysis	419	Medication and clean workroom	P-017	Drug Trolley (Including Partition Board and Tray)	2		
Renal Dialysis	419	Medication and clean workroom	L-117	Table, Laboratory, Ward	1		
Renal Dialysis	421	Store: Equipment	W-027	IV Stand with Grip	5		
Renal Dialysis	421	Store: Equipment	W-033	Oxygen Flowmeter, Wall Mount Type, 10L	5		
Renal Dialysis	421	Store: Equipment	D-004	Dialysis unit, portable	1		
Renal Dialysis	421	Store: Equipment	D-008	RO unit, portable	1		

Major Equipment List based on RFP room list

Department	Room No.	Room Description	Item No.	Description	Q'ty	Iraq Side	Remarks
Renal Dialysis	427	Janitor closet	S-013	Cart, Multi Purpose	1		
Renal Dialysis	427	Janitor closet	W-019	Cleaner, dry and wet	1		
Renal Dialysis	427	Janitor closet	S-010	Cart, clean material	1		
Renal Dialysis	428	R / O Water Treatment Plant	D-007	Reverse Osmosis Unit (RO Unit)	1		
Renal Dialysis	429	Equipment Workshop	P-026	Melter for Powder A	1		
Renal Dialysis	429	Equipment Workshop	P-027	Melter for Powder B	1		
Renal Dialysis	429	Equipment Workshop	D-003	Dialysis Solution Delivery System for Multiple Patients	1		
Renal Dialysis	429	Equipment Workshop	L-118	Table, stainless steel	1		
Renal Dialysis	429	Equipment Workshop	W-017	Carring Cart	1		
Day surgery	431	Single-bed room	W-005	Bed, with mattress, side rail	1		
Day surgery	431	Single-bed room	W-003A	Cabinet, Bed Side	1		
Day surgery	431	Single-bed room	W-003B	Table, Over bed	1		
Day surgery	431	Single-bed room	I-007	Monitor for Severe Patient	1		
Day surgery	432	Isolation patient room w/ ensuite toilet & anteroom	W-005	Bed, with mattress, side rail	1		
Day surgery	432	Isolation patient room w/ ensuite toilet & anteroom	W-003A	Cabinet, Bed Side	1		
Day surgery	432	Isolation patient room w/ ensuite toilet & anteroom	W-003B	Table, Over bed	1		
Day surgery	432	Isolation patient room w/ ensuite toilet & anteroom	I-007	Monitor for Severe Patient	1		
Day surgery	434	Nursing station	P-035	Refrigerato Freezer, Medical Fridge(Refrigerator:200L -Freezer:80L)	1		
Day surgery	434	Nursing station	C-079	Medical Cabinet	1		
Day surgery	434	Nursing station	W-032	Nursing Cart	1		
Day surgery	435	Clean utility & medication	S-004	Autoclave, Table Top type	1		
Day surgery	437	CPR & Clean linen trolley bay	W-018	Cart, Emergency	1		
Day surgery	437	CPR & Clean linen trolley bay	W-017	Carring Cart	1		
Day surgery	439	Equipment store	O-148	Microwave Coagulation Therapy Unit	1		
Day surgery	439	Equipment store	O-032	Electro surgical Unit	1		
Day surgery	439	Equipment store	I-027	Syringe Pump	2		
Day surgery	439	Equipment store	W-025	Infusion Pump	2		
Day surgery	439	Equipment store	W-039	Suction Pump, Wall Mount Type	2		
Day surgery	440	Operating room(day surgery)	O-045	Operation Table	1		
Day surgery	440	Operating room(day surgery)	O-144	Isolation Unit, 15kVA	1		
Day surgery	440	Operating room(day surgery)	O-153	Operating Lamp with TV Camera	1		
Day surgery	440	Operating room(day surgery)	O-022	Ceiling Pendant	1		
Day surgery	440	Operating room(day surgery)	O-059	Stool, Doctor	1		
Day surgery	440	Operating room(day surgery)	O-057	Sterile Tray, Mayo Type	1		
Day surgery	440	Operating room(day surgery)	X-060	X-ray Film Viewer	1		
Day surgery	440	Operating room(day surgery)	O-020	Blood Loss Measurement Machine with Gauze	1		
Day surgery	440	Operating room(day surgery)	O-054	Resuscitation Bag	1		
Day surgery	440	Operating room(day surgery)	O-154	Operating Microscope	1		
Day surgery	440	Operating room(day surgery)	I-002	Defibrillator	1		
Day surgery	440	Operating room(day surgery)	O-062	Suction Unit, Floor Stand Type, 2000ml	1		
Day surgery	440	Operating room(day surgery)	O-004	Anesthesia Machine	1		
Day surgery	440	Operating room(day surgery)	O-003	Anestecia Cart	1		
Day surgery	440	Operating room(day surgery)	S-013	Cart, Multi Purpose	1		
Day surgery	442	Stretchers and wheelchairs parking	W-037	Stretcher	1		
Day surgery	442	Stretchers and wheelchairs parking	W-001	Baby Strecher	1		
Day surgery	442	Stretchers and wheelchairs parking	W-044	Wheelchair	1		
Day surgery	443	Janitor closet/ housekeeping	S-013	Cart, Multi Purpose	1		
Day surgery	443	Janitor closet/ housekeeping	S-010	Cart, clean material	1		
Day surgery	445	Staff changing lockers	S-012	Cart,undry	1		
COT(Central Operation Theater)	454	Patients' transfer area & trolley park	W-037	Stretcher	2		
COT(Central Operation Theater)	456	Operation theater, general surgery	O-037	Electro Surgical Unit	2		
COT(Central Operation Theater)	456	Operation theater, general surgery	O-144	Isolation Unit 15KvA	2		
COT(Central Operation Theater)	456	Operation theater, general surgery	O-004	Anesthesia Machine	2		
COT(Central Operation Theater)	456	Operation theater, general surgery	O-043	Operation Lamp, double head with TV camera	2		
COT(Central Operation Theater)	456	Operation theater, general surgery	O-046	Operation Table	2		
COT(Central Operation Theater)	456	Operation theater, general surgery	O-034	Electronic Clock	2		
COT(Central Operation Theater)	456	Operation theater, general surgery	O-059	Stool, Doctor	2		
COT(Central Operation Theater)	456	Operation theater, general surgery	O-060	Stool, Anesthesiologist	2		
COT(Central Operation Theater)	456	Operation theater, general surgery	O-057	Sterile Tray, Mayo Type	4		
COT(Central Operation Theater)	456	Operation theater, general surgery	X-060	X-ray Film Viewer	2		
COT(Central Operation Theater)	456	Operation theater, general surgery	O-020	Blood Loss Measurement Machine with Gauze	2		
COT(Central Operation Theater)	456	Operation theater, general surgery	I-007	Monitor for Severe Patient	2		
COT(Central Operation Theater)	456	Operation theater, general surgery	W-024	Infusion and Blood Warmer	2		
COT(Central Operation Theater)	456	Operation theater, general surgery	O-062	Suction Unit, Floor Stand Type, 2000ml	2		
COT(Central Operation Theater)	456	Operation theater, general surgery	E-014	Laryngoscope	2		
COT(Central Operation Theater)	456	Operation theater, general surgery	S-013	Cart, Multi Purpose	2		
COT(Central Operation Theater)	456	Operation theater, general surgery	O-151	Mouth Gag, Highstel	2		
COT(Central Operation Theater)	456	Operation theater, general surgery	O-042	Foot Pump for Prevention of Pulmonary Embolism	2		
COT(Central Operation Theater)	456	Operation theater, general surgery	O-003	Anestecia Cart	2		
COT(Central Operation Theater)	456	Operation theater, general surgery	W-041	Treatment Cart	2		

Major Equipment List based on RFP room list

Department	Room No.	Room Description	Item No.	Description	Q'ty	Iraq Side	Remarks
COT(Central Operation Theater)	456	Operation theater, general surgery	O-147	Kick bucket	2		
COT(Central Operation Theater)	457	Operation theater, special surgery	O-037	Electro Surgical Unit	4		
COT(Central Operation Theater)	457	Operation theater, special surgery	O-144	Isolation Unit 15KvA	4		
COT(Central Operation Theater)	457	Operation theater, special surgery	O-004	Anesthesia Machine	4		
COT(Central Operation Theater)	457	Operation theater, special surgery	O-043	Operation Lamp, double head with TV camera	4		
COT(Central Operation Theater)	457	Operation theater, special surgery	O-048	Operation Table, Eye Surgery	1		
COT(Central Operation Theater)	457	Operation theater, special surgery	O-050	Operation Table, Orthopedic, with Lower-limb Traction System	2		
COT(Central Operation Theater)	457	Operation theater, special surgery	O-007	Arthroscopical Surgery System	1		
COT(Central Operation Theater)	457	Operation theater, special surgery	O-068	Ultrasound Cataract Surgery Machine (with 3 US)	1		
COT(Central Operation Theater)	457	Operation theater, special surgery	O-070	Vitreous Surgery Unit	1		
COT(Central Operation Theater)	457	Operation theater, special surgery	O-142	Intraocular Laser Coagulator (Binocular Attachment)	1		
COT(Central Operation Theater)	457	Operation theater, special surgery	O-021	Cataract and Vitreous Surgery Unit	1		
COT(Central Operation Theater)	457	Operation theater, special surgery	O-047	Heart Surgical Unit	1		
COT(Central Operation Theater)	457	Operation theater, special surgery	O-054	Resuscitation Bag	4		
COT(Central Operation Theater)	457	Operation theater, special surgery	I-007	Monitor for Severe Patient	4		
COT(Central Operation Theater)	460	Substerile room / Immediate sterilization	S-004	Autoclave, Table Top type	1		
COT(Central Operation Theater)	460	Substerile room / Immediate sterilization	S-019	Sterilizer Steam, High Speed	1		
COT(Central Operation Theater)	461	Clean Supplies	C-079	Medical Cabinet	20		
COT(Central Operation Theater)	462	Patients Holding	W-033	Oxygen Flowmeter, Wall Mount Type, 10L	5		
COT(Central Operation Theater)	464	Post Anaesthesia Recovery	W-027	IV Stand with Grip	9		
COT(Central Operation Theater)	464	Post Anaesthesia Recovery	I-007	Monitor for Severe Patient	9		
COT(Central Operation Theater)	464	Post Anaesthesia Recovery	W-039	Suction Pump, Wall Mount Type	9		
COT(Central Operation Theater)	464	Post Anaesthesia Recovery	O-054	Resuscitation Bag	2		
COT(Central Operation Theater)	464	Post Anaesthesia Recovery	O-145	Jackson-Resource Resuscitator, 0.5L	2		
COT(Central Operation Theater)	464	Post Anaesthesia Recovery	O-146	Jackson-Resource Resuscitator, 3L	2		
COT(Central Operation Theater)	464	Post Anaesthesia Recovery	W-041	Treatment Cart	2		
COT(Central Operation Theater)	464	Post Anaesthesia Recovery	W-033	Oxygen Flowmeter, Wall Mount Type, 10L	9		
COT(Central Operation Theater)	465	Isolation Cubicle / patient holding, recovery areas	I-007	Monitor for Severe Patient	4		
COT(Central Operation Theater)	465	Isolation Cubicle / patient holding, recovery areas	W-039	Suction Pump, Wall Mount Type	4		
COT(Central Operation Theater)	466	Nursing station	I-002	Defibrillator	2		
COT(Central Operation Theater)	466	Nursing station	I-005	Monitor Central, for Severe Patient	1		
COT(Central Operation Theater)	466	Nursing station	W-032	Nursing Cart	5		
COT(Central Operation Theater)	466	Nursing station	E-014	Laryngoscope	8		
COT(Central Operation Theater)	467	Clean workroom	L-118	Table, stainless steel	1		
COT(Central Operation Theater)	468	Dirty workroom	L-118	Table, stainless steel	1		
COT(Central Operation Theater)	470	Male staff changing showers & toilets	S-012	Cart, laundry	2		
COT(Central Operation Theater)	471	Female staff changing showers & toilets	S-012	Cart, laundry	2		
COT(Central Operation Theater)	476	House-keeping / janitor	S-013	Cart, Multi Purpose	4		
COT(Central Operation Theater)	476	House-keeping / janitor	S-010	Cart, clean material	4		
COT(Central Operation Theater)	479	Stat laboratory; frozen section	L-133	Cryostat	1		
COT(Central Operation Theater)	479	Stat laboratory; frozen section	L-130	Staining machine	1		
COT(Central Operation Theater)	479	Stat laboratory; frozen section	L-074	Microscope	2		
COT(Central Operation Theater)	479	Stat laboratory; frozen section	L-044	Centrifuge	1		
COT(Central Operation Theater)	479	Stat laboratory; frozen section	L-075	Microscope, digital photograph	1		
COT(Central Operation Theater)	479	Stat laboratory; frozen section	L-107	Sterilizer	1		
COT(Central Operation Theater)	480	Stretchers parking alcove	W-037	Stretcher	1		
COT(Central Operation Theater)	481	Equipment alcoves	O-050	Inhibition Rope	8		
COT(Central Operation Theater)	481	Equipment alcoves	O-006	Anesthetic Depth Monitor	8		
COT(Central Operation Theater)	481	Equipment alcoves	O-010	Bedsore Prevention pat	8		
COT(Central Operation Theater)	481	Equipment alcoves	O-013	Bedsore Prevention pat, Horse Shoe Type	8		
COT(Central Operation Theater)	481	Equipment alcoves	O-012	Bedsore Prevention pat, Doughnut Type	8		
COT(Central Operation Theater)	481	Equipment alcoves	X-063	X-ray Protective Gown, L	4		
COT(Central Operation Theater)	481	Equipment alcoves	X-064	X-ray Protective Gown, M	4		
COT(Central Operation Theater)	481	Equipment alcoves	X-065	X-ray Protective Gown, S	2		
COT(Central Operation Theater)	481	Equipment alcoves	X-024	Hnger for X-ray Protective Gown	2		
COT(Central Operation Theater)	481	Equipment alcoves	O-042	Foot Pump for Prevention of Pulmonary Embolism	2		
COT(Central Operation Theater)	481	Equipment alcoves	W-041	Treatment Cart	5		
COT(Central Operation Theater)	482	Store, Major equipment	I-028	Ventilator	8		
COT(Central Operation Theater)	482	Store, Major equipment	O-017	Blood Flow and Heart Late Monitor	8		
COT(Central Operation Theater)	482	Store, Major equipment	O-019	Blood Flow Meter, Doppler, Interactive	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-049	High Frequency Surgical Unit	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-025	Cryosurgery Unit	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-157	Operating Microscope (Ophthalmology, with Camera)	1		
COT(Central Operation Theater)	482	Store, Major equipment	L-100	Refrigerator, medicine (290 to 350 L, vertical type)	1		
COT(Central Operation Theater)	482	Store, Major equipment	I-027	Syringe Pump	16		
COT(Central Operation Theater)	482	Store, Major equipment	W-025	Infusion Pump	24		
COT(Central Operation Theater)	482	Store, Major equipment	O-024	Continuous Auto Transfusion System	4		
COT(Central Operation Theater)	482	Store, Major equipment	O-041	External Fixator for Pelvis	1		
COT(Central Operation Theater)	482	Store, Major equipment	E-002	Choledoco Fiberscope	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-152	Myomectomy Set, Gynecology	1		

Major Equipment List based on RFP room list

Department	Room No.	Room Description	Item No.	Description	Q'ty	Iraq Side	Remarks
COT(Central Operation Theater)	482	Store, Major equipment	E-019	Resectoscope, Continuous Perfusion	1		
COT(Central Operation Theater)	482	Store, Major equipment	E-020	Resectoscope, Continuous Perfusion, Thin	1		
COT(Central Operation Theater)	482	Store, Major equipment	E-026	Ureterscope, rigid	1		
COT(Central Operation Theater)	482	Store, Major equipment	E-025	Ureteroreno Fiberscope	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-008	Autologous Blood Collecting Machine after Surgery, Washable Type	4		
COT(Central Operation Theater)	482	Store, Major equipment	O-150	Monocular Indirect Ophthalmoscope, rechargeable (with handle)	3		
COT(Central Operation Theater)	482	Store, Major equipment	O-143	Irrigation cooling unit	1		
COT(Central Operation Theater)	482	Store, Major equipment	X-025	Intraoperative Cassette Holder	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-041	External Fixator for Pelvis	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-139	Instrument Table for Micro Surgery	2		
COT(Central Operation Theater)	482	Store, Major equipment	O-026	Doctor Stool for Micro Surgery	2		
COT(Central Operation Theater)	482	Store, Major equipment	O-051	Orthopedic Dyathermy Set	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-069	Ureterocystoscope Set	1		
COT(Central Operation Theater)	482	Store, Major equipment	I-018	Monitor, for Transportation	1		
COT(Central Operation Theater)	482	Store, Major equipment	I-024	Pulse Oximeter	8		
COT(Central Operation Theater)	482	Store, Major equipment	O-161	Phacoemulsification equipment	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-053	Instrument set, 4 Point Supporter for Lumbar Surgery	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-058	Instrument set, Abdominal aneurysm	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-059	Instrument set, Abdominal hysterectomy	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-060	Instrument set, Abdominal vascular	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-061B	Instrument set, Anesthesia for infant	3		
COT(Central Operation Theater)	482	Store, Major equipment	O-062	Instrument set, Anterior cervical retractor set	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-063	Instrument set, Artificial abortion	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-064	Instrument set, Basic for screw & plate	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-066	Instrument set, Basic open heart	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-072	Instrument set, C-section	2		
COT(Central Operation Theater)	482	Store, Major equipment	O-069	Instrument set, Carotid artery	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-070	Instrument set, Cervical TDR	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-071	Instrument set, Coronary artery bypass	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-073	Instrument set, D&C instrument set	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-074	Instrument set, Delivery	3		
COT(Central Operation Theater)	482	Store, Major equipment	O-075	Instrument set, Delivery specific instrument	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-076	Instrument set, Dental basic	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-077	Instrument set, Dental implant surgery	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-078	Instrument set, Dentoalveolar surgery	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-079	Instrument set, Dilation and curettage	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-080	Instrument set, Gall bladder & bile duct	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-081	Instrument set, Gastro intestinal	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-082	Instrument set, General pediatric surgery	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-054	Instrument set for dynamic hip screw set	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-056	Instrument set for treatment set	9		
COT(Central Operation Theater)	482	Store, Major equipment	O-057B	Instrument set for treatment set (small surgery)	2		
COT(Central Operation Theater)	482	Store, Major equipment	O-084	Instrument set, Labioplasty surgery	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-085	Instrument set, Laryngectomy	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-086	Instrument set, Lobectomy & neurotomy surgery	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-088	Instrument set, Major basic set	7		
COT(Central Operation Theater)	482	Store, Major equipment	O-089	Instrument set, Major for Ob/Gyn	2		
COT(Central Operation Theater)	482	Store, Major equipment	O-090	Instrument set, Mesh graft	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-091	Instrument set, Micro hand surgery	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-092	Instrument set, Micro neurosurgery	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-093	Instrument set, Micro surgery	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-094	Instrument set, Microsurgical tubal reconstruction set	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-095	Instrument set, Minor basic surgery	8		
COT(Central Operation Theater)	482	Store, Major equipment	O-096	Instrument set, Myringotomy	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-097	Instrument set, Nasal polyp	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-098	Instrument set, Neonatal & pediatric	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-099	Instrument set, Neoplastic surgery	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-105	Instrument set, Open bladder and radical prostatectomy	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-106	Instrument set, Open kidney	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-107	Instrument set, Open reduction surgery	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-108	Instrument set, Open urethra surgery	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-112	Instrument set, Orthognathic surgery	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-113	Instrument set, Osteosynthesis surgery	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-114	Instrument set, Palatoplasty surgery	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-115	Instrument set, Pediatric surgery	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-116	Instrument set, Peripheral vascular	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-117	Instrument set, Plastic hand surgery	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-118	Instrument set, Posterior lumbar retractor set	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-119	Instrument set, Rectal retractor set	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-120	Instrument set, Retractor blade set	1		

Major Equipment List based on RFP room list

Department	Room No.	Room Description	Item No.	Description	Q'ty	Iraq Side	Remarks
COT(Central Operation Theater)	482	Store, Major equipment	O-122	Instrument set, Stapes	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-123	Instrument set, Suction tube set	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-124	Instrument set, Suture instrument	8		
COT(Central Operation Theater)	482	Store, Major equipment	O-125	Instrument set, T.M joint surgery	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-055B	Instrument Set, Thoracoscopy and Laparoscopy Surgery	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-126	Instrument set, Thoracotomy	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-127	Instrument set, Tonsil and adenoid	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-128	Instrument set, Tracheotomy	3		
COT(Central Operation Theater)	482	Store, Major equipment	O-131	Instrument set, Tympanoplast	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-132	Instrument set, Vaginal delivery	2		
COT(Central Operation Theater)	482	Store, Major equipment	O-133	Instrument set, Vaginal hysterectomy	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-134	Instrument set, Vaginal plastic surgery	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-135	Instrument set, Vaginal speculum	2		
COT(Central Operation Theater)	482	Store, Major equipment	O-136	Instrument set, Venous section	6		
COT(Central Operation Theater)	482	Store, Major equipment	O-137	Instrument set, Venticular needle & tube	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-109	Instrument set, Ophthalmology cataract	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-110	Instrument set, Ophthalmology cornea	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-111	Instrument set, Ophthalmology Microsurgery set	1		
COT(Central Operation Theater)	482	Store, Major equipment	O-100	Instrument set, OPD clinics	20		
COT(Central Operation Theater)	482	Store, Major equipment	O-102	Instrument set, OPD ENT	2		
COT(Central Operation Theater)	482	Store, Major equipment	O-104	Instrument set, OPD Ophthalmology	2		
COT(Central Operation Theater)	482	Store, Major equipment	O-103	Instrument set, OPD Obste & Gyne	3		
COT(Central Operation Theater)	482	Store, Major equipment	O-101	Instrument set, OPD Dental	2		
COT(Central Operation Theater)	482	Store, Major equipment	E-012	Laparoscope, Abdominal	1		
COT(Central Operation Theater)	482	Store, Major equipment	E-013	Laparoscope, Gynecology	1		
COT(Central Operation Theater)	483	Store case carts	W-017	Carring Cart	20		
COT(Central Operation Theater)	486	Store, Anesthesia	P-010	Cabinet, Hazardous Material	1		
COT(Central Operation Theater)	487	Store , medication / pharmaceuticals	O-016	Blood Cooler (with Recorder) (4-6°C - 625-758L)	1		
COT(Central Operation Theater)	487	Store , medication / pharmaceuticals	P-009	Cabinet, Drug	5		
COT(Central Operation Theater)	487	Store , medication / pharmaceuticals	L-100	Refrigerator, medicine (290 to 350 L, vertical type)	2		
COT(Central Operation Theater)	490	Store, blood provisions, refrigerated	O-009	Autologous Blood Cooler (for Infectious Diseases) (4-6°C - 79-120L)	1		
COT(Central Operation Theater)	492	Mobile X-ray storage bay	X-074	X-ray Unit, Mobile, C arm	1		
COT(Central Operation Theater)	492	Mobile X-ray storage bay	X-073	X-ray unit, mobile	1		
COT(Central Operation Theater)	495	Seminar / training	X-061	X-ray Film viewer, for 2 Lines for 3 Half-size, Stand Type	2		
Obstetric & Delivery	502	Stretcher/ wheelchair parking bay	W-001	Baby Stretcher	1		
Obstetric & Delivery	502	Stretcher/ wheelchair parking bay	W-044	Wheelchair	1		
Obstetric & Delivery	503	Waiting area	W-037	Stretcher	1		
Obstetric & Delivery	507	Assessment/ exam room	I-002B	Doppler Fetus	2		
Obstetric & Delivery	507	Assessment/ exam room	C-133	Ultrasound Apparatus, Gynecology	1		
Obstetric & Delivery	508	Labor room (2 beds)	W-005	Bed, with mattress, side rail	2		
Obstetric & Delivery	508	Labor room (2 beds)	I-019	Monitor, Cardiocograph	2		
Obstetric & Delivery	509	Delivery room	O-041	Operation Lamp, double head	1		
Obstetric & Delivery	509	Delivery room	O-160	Delivery table	1		
Obstetric & Delivery	509	Delivery room	O-162	Vacuum extractor	1		
Obstetric & Delivery	510	Operation theater, special surgery Cesarean delivery room	O-041	Operation Lamp, double head	1		
Obstetric & Delivery	510	Operation theater, special surgery Cesarean delivery room	O-046	Operation Table	1		
Obstetric & Delivery	510	Operation theater, special surgery Cesarean delivery room	O-002	Anestecia Apparatus	1		
Obstetric & Delivery	510	Operation theater, special surgery Cesarean delivery room	O-033	Electrocautery Unit Loop	1		
Obstetric & Delivery	510	Operation theater, special surgery Cesarean delivery room	O-149	Monitor, patient	1		
Obstetric & Delivery	510	Operation theater, special surgery Cesarean delivery room	O-067	Ultrasonic cutting and coagulation system	2		
Obstetric & Delivery	512	Immediate sterilization	S-016	Low-temperature plasma sterilizer	1		
Obstetric & Delivery	513	Recovery cubicle / place	W-005	Bed, with mattress, side rail	1		
Obstetric & Delivery	514	Nurse station	W-018	Cart, Emergency	1		
Obstetric & Delivery	514	Nurse station	I-002	Defibrillator	1		
Obstetric & Delivery	514	Nurse station	W-032	Nursing Cart	1		
Obstetric & Delivery	514	Nurse station	I-024	Pulse Oximeter	4		
Obstetric & Delivery	514	Nurse station	I-025	Sphygmomanometer, Digital Automatic	2		
Obstetric & Delivery	515	Clean workroom & medication	P-010	Cabinet, Hazardous Material	1		
Obstetric & Delivery	515	Clean workroom & medication	P-017	Drug Trolley (Including Partition Board and Tray)	1		
Obstetric & Delivery	515	Clean workroom & medication	P-009	Cabinet, Drug	1		
Obstetric & Delivery	515	Clean workroom & medication	L-117	Table, Laboratory, Ward	1		
Obstetric & Delivery	518	Soiled work room / liquid fluid disposal & Disposable holding	L-118	Table, stainless steel	1		
Obstetric & Delivery	518	Soiled work room / liquid fluid disposal & Disposable holding	W-015	Bedpan Rack (for 4 bedpans and 8 urinpans)	1		
Obstetric & Delivery	519	Linen cart bay	S-012	Cart, laundry	1		
Obstetric & Delivery	520	Medical equipment storage	I-027	Syringe Pump	4		
Obstetric & Delivery	520	Medical equipment storage	W-025	Infusion Pump	4		
Obstetric & Delivery	520	Medical equipment storage	W-039	Suction Pump, Wall Mount Type	4		
Obstetric & Delivery	520	Medical equipment storage	W-041	Treatment Cart	1		
Obstetric & Delivery	520	Medical equipment storage	O-054	Resuscitation Bag	1		
Obstetric & Delivery	520	Medical equipment storage	I-018	Monitor, for Transportation	2		

Major Equipment List based on RFP room list

Department	Room No.	Room Description	Item No.	Description	Q'ty	Iraq Side	Remarks
Obstetric & Delivery	520	Medical equipment storage	E-014	Laryngoscope	1		
Obstetric & Delivery	520	Medical equipment storage	W-033	Oxygen Flowmeter, Wall Mount Type, 10L	4		
Obstetric & Delivery	520	Medical equipment storage	O-147	Kick bucket	2		
Obstetric & Delivery	521	Janitor closet	S-013	Cart, Multi Purpose	1		
Obstetric & Delivery	521	Janitor closet	W-019	Cleaner, dry and wet	1		
Obstetric & Delivery	521	Janitor closet	S-010	Cart, clean material	1		
NICU	532	Intensive incubators	I-003	Incubator	3		
NICU	532	Intensive incubators	I-023	Phototherapy Unit, Stand Type	2		
NICU	532	Intensive incubators	I-001	Bed side monitor, new born	3		
NICU	533	Isolation NICU w/ airlock	I-003	Incubator	1		
NICU	533	Isolation NICU w/ airlock	I-001	Bed side monitor, new born	3		
NICU	535	consult	C-151	Treatment table, neonatal	1		
NICU	538	Milk kitchen	W-030	Milk Warmer	1		
NICU	539	Breast feeding / demo room	W-021	Comfort Stool for Pregnant Women	2		
NICU	541	Medical equipment storage	I-027	Syringe Pump	4		
NICU	541	Medical equipment storage	W-025	Infusion Pump	4		
NICU	541	Medical equipment storage	W-026	Infusion Warmer	4		
NICU	541	Medical equipment storage	W-027	IV Stand with Grip	4		
NICU	541	Medical equipment storage	O-061	Suction Unit	4		
NICU	541	Medical equipment storage	I-021	Nbulizer System for Oxygen Inhalation	4		
NICU	541	Medical equipment storage	W-034	Oxygen Level Analyzer	2		
NICU	541	Medical equipment storage	O-163	Ventilator, new born	2		
NICU	542	Nurse station	W-018	Cart, Emergency	1		
NICU	542	Nurse station	I-024	Pulse Oximeter	4		
Diagnostic Imaging	550	Inpatients holding area / stretchers	W-037	Stretcher	2		
Diagnostic Imaging	550	Inpatients holding area / stretchers	W-048	Stretcher, MRI	2		
Diagnostic Imaging	556	General xray w/ control alcove & changing room	X-072	X-ray Unit, General (ceiling type, 2 tube)	2		
Diagnostic Imaging	557	R&F w/ control room, patient changing & wc	X-071	X-ray Unit, Digital TV Fluoroscopy	1		
Diagnostic Imaging	557	R&F w/ control room, patient changing & wc	X-056	Urology Imaging Machine	1		
Diagnostic Imaging	558	CT Scan w/ control, equipment, changing, & wc	X-010	CT scanner, Whole Body	1		
Diagnostic Imaging	562	Ultrasound w/ ensuite wc	C-136	Ultrasound Apparatus, General Color	1		
Diagnostic Imaging	562	Ultrasound w/ ensuite wc	C-135	Ultrasound Apparatus, Cardiac Color dopplor	1		
Diagnostic Imaging	563	Mammography w/ changing	X-031	Mammography	1		
Diagnostic Imaging	564	Bone Densitometer	X-007	Bone Densitometer	1		
Diagnostic Imaging	565	Angiography & control	X-004	Angiography, Cephalic and Abdominal single palne			1 Iraq side
Diagnostic Imaging	565	Angiography & control	X-066	X-ray Protective Partition with Lead Glass			1 Iraq side
Diagnostic Imaging	566	Prep & recovery	I-002	Defibrillator	1		
Diagnostic Imaging	566	Prep & recovery	X-041	Refrigerator and Freezer for Drug (refrigerator: 200L, freezer:80L)	1		
Diagnostic Imaging	566	Prep & recovery	X-060	X-ray Film Viewer	1		
Diagnostic Imaging	566	Prep & recovery	W-037	Stretcher	1		
Diagnostic Imaging	567	MRI examination room & control	X-032	MRI (1.5T)			1 Iraq side
Diagnostic Imaging	568	MRI equipment	X-021	Emergency Cart, Nonmagnetic			1 Iraq side
Diagnostic Imaging	568	MRI equipment	X-033	Oxygen Flow Meter, Wall Mount Type (with humidifier), Nonmagnetic			1 Iraq side
Diagnostic Imaging	568	MRI equipment	W-040	Suction Pump, Wall Mount Type for MRI Room, Nonmagnetic			1 Iraq side
Diagnostic Imaging	568	MRI equipment	X-026	Intravenous Table, Nonmagnetic			1 Iraq side
Diagnostic Imaging	568	MRI equipment	W-028	IV Stand, Nonmagnetic			1 Iraq side
Diagnostic Imaging	568	MRI equipment	X-045	Sphygmomanometer, Mercury Stand Type (300mm), Nonmagnetic			1 Iraq side
Diagnostic Imaging	570	MRI patient prep. / recovery cubicle	X-008	Cart, Emergency MRI Acceptable			1 Iraq side
Diagnostic Imaging	574	Reporting area / dictation	X-060	X-ray Film Viewer	2		
Diagnostic Imaging	576	Clean workroom	L-118	Table, stainless steel	1		
Diagnostic Imaging	576	Clean workroom	W-017	Carring Cart	1		
Diagnostic Imaging	578	Contrast media preparation room	P-009	Cabinet, Drug	1		
Diagnostic Imaging	578	Contrast media preparation room	L-117	Table, Laboratory, Ward	1		
Diagnostic Imaging	579	Soiled workroom & Soiled holding	L-118	Table, stainless steel	1		
Diagnostic Imaging	580	Janitor closet	S-013	Cart, Multi Purpose	1		
Diagnostic Imaging	580	Janitor closet	W-019	Cleaner, dry and wet	1		
Diagnostic Imaging	580	Janitor closet	S-010	Cart, clean material	1		
Pathology lab	593	Initial processing/ recording & label/ distribution	L-071	Management System, blood collection tube	1		
Pathology lab	594	Clinical & special Chemistry Lab	L-044	Centrifuge	2		
Pathology lab	594	Clinical & special Chemistry Lab	L-104	Spectrophotometer	1		
Pathology lab	594	Clinical & special Chemistry Lab	L-046	Centrifuge, hematocrit	1		
Pathology lab	594	Clinical & special Chemistry Lab	L-004	Analyzer Biochemical, large automatic	1		
Pathology lab	594	Clinical & special Chemistry Lab	L-003	Analyzer Biochemical, drugs automatic	1		
Pathology lab	594	Clinical & special Chemistry Lab	L-017	Automatic osmometer	1		
Pathology lab	594	Clinical & special Chemistry Lab	L-016	Automatic immunoassy analyzer	1		
Pathology lab	594	Clinical & special Chemistry Lab	L-099	Refrigerator, small	1		
Pathology lab	594	Clinical & special Chemistry Lab	L-074	Microscope	3		
Pathology lab	594	Clinical & special Chemistry Lab	L-031	Blood Gas Analyzer with Electrolyte	1		
Pathology lab	594	Clinical & special Chemistry Lab	L-113	Table, laboratory, central	2		
Pathology lab	594	Clinical & special Chemistry Lab	L-114	Table, laboratory, central, with sink	1		

Major Equipment List based on RFP room list

Department	Room No.	Room Description	Item No.	Description	Q'ty	Iraq Side	Remarks
Pathology lab	594	Clinical & special Chemistry Lab	L-024	Balance, electronics	1		
Pathology lab	594	Clinical & special Chemistry Lab	L-116	Table, Laboratory, side, with sink (W=2400, D=750)	1		
Pathology lab	594	Clinical & special Chemistry Lab	W-036	Scales, digital	1		
Pathology lab	594	Clinical & special Chemistry Lab	P-014	Cool Box, medicine	2		
Pathology lab	594	Clinical & special Chemistry Lab	L-115	Table, laboratory, side	5		
Pathology lab	594	Clinical & special Chemistry Lab	S-012	Cart, laundry	1		
Pathology lab	594	Clinical & special Chemistry Lab	O-147	Kick bucket	1		
Pathology lab	595	Routine & special Haematology Lab	L-022	Automatic urine analyzer	1		
Pathology lab	595	Routine & special Haematology Lab	L-023	Automatic urine sediment analyzer	1		
Pathology lab	595	Routine & special Haematology Lab	L-006	Analyzer Fecal occult blood test automatic	1		
Pathology lab	595	Routine & special Haematology Lab	L-012	Automatic glycosylated hemoglobin analyzer	1		
Pathology lab	595	Routine & special Haematology Lab	L-011	Automatic glucose analyzer	1		
Pathology lab	595	Routine & special Haematology Lab	L-047	Centrifuge, immunohematology	1		
Pathology lab	595	Routine & special Haematology Lab	L-001	Agitator, platelet	1		
Pathology lab	595	Routine & special Haematology Lab	L-097	Refrigerator, medicine (2 to 14 °C, 500L, vertical type)	1		
Pathology lab	595	Routine & special Haematology Lab	L-013	Automatic hematology analyzer	2		
Pathology lab	595	Routine & special Haematology Lab	L-014	Automatic hematology analyzer, pediatric	1		
Pathology lab	595	Routine & special Haematology Lab	L-029	Blood coagulation analyzer automatic	1		
Pathology lab	595	Routine & special Haematology Lab	L-032	Blood sedimentation apparatus	1		
Pathology lab	595	Routine & special Haematology Lab	L-033	Blood sedimentation machine automatic	1		
Pathology lab	595	Routine & special Haematology Lab	L-074	Microscope	1		
Pathology lab	595	Routine & special Haematology Lab	C-124	Tourniquet, blood taking	6		
Pathology lab	595	Routine & special Haematology Lab	L-044	Centrifuge	1		
Pathology lab	595	Routine & special Haematology Lab	C-079	Medical Cabinet	1		
Pathology lab	595	Routine & special Haematology Lab	W-041	Treatment Cart	1		
Pathology lab	595	Routine & special Haematology Lab	L-035	Blood taking table, electric	6		Not electric
Pathology lab	595	Routine & special Haematology Lab	L-091	Platelet aggregometer	1		
Pathology lab	595	Routine & special Haematology Lab	L-034	Blood separation stand, manual	2		
Pathology lab	595	Routine & special Haematology Lab	L-116	Table, laboratory, side, with sink (W=2400, D=750)	1		
Pathology lab	596	Blood bank lab (grouping, & x matching)	L-043	Centrifuge, refrigerated, blood pack	1		
Pathology lab	596	Blood bank lab (grouping, & x matching)	L-036	Blood transfusion test apparatus automatic	1		
Pathology lab	596	Blood bank lab (grouping, & x matching)	L-045	Centrifuge, blood cell washing, automatic	1		
Pathology lab	596	Blood bank lab (grouping, & x matching)	L-074	Microscope	1		
Pathology lab	596	Blood bank lab (grouping, & x matching)	L-034	Blood separation stand, manual	1		
Pathology lab	596	Blood bank lab (grouping, & x matching)	L-121	Tube sealer, handy type	1		
Pathology lab	596	Blood bank lab (grouping, & x matching)	L-120	Tube sealer, desktop type	1		
Pathology lab	596	Blood bank lab (grouping, & x matching)	L-049	Chair, blood taking, electrical	2		
Pathology lab	596	Blood bank lab (grouping, & x matching)	C-004	Aseptically connector	1		
Pathology lab	596	Blood bank lab (grouping, & x matching)	L-132	ELISA	2		
Pathology lab	597	Blood bank refrigerated storage	L-020	Automatic thawing apparatus, for frozen blood bag	1		
Pathology lab	597	Blood bank refrigerated storage	L-027	Blood bank, with temperature recorder (4 to 6 °C, 625 to 758L)	2		
Pathology lab	597	Blood bank refrigerated storage	L-026	Blood bank, autologous blood, infected patient (4 to 6°C, 79 to 120L)	1		
Pathology lab	599	Room for X-ray irradiation	L-129	X-ray irradiation apparatus, for blood	1		
Pathology lab	600	Phlebotomy room	L-127	Whole blood-taking apparatus	2		
Pathology lab	600	Phlebotomy room	L-103	Shaker, blood pack, thermal (Blood pack 200ml<6 pack.)	2		
Pathology lab	601	Pathology Labs (Histopathology, Cytopathology)	L-007	Analyzer Fecal occult blood test automatic	1		
Pathology lab	601	Pathology Labs (Histopathology, Cytopathology)	L-077	Microscope, discussion, 3 persons	1		
Pathology lab	601	Pathology Labs (Histopathology, Cytopathology)	L-019	Automatic staining machine	2		
Pathology lab	601	Pathology Labs (Histopathology, Cytopathology)	L-021	Automatic tissue processor, closed type	1		
Pathology lab	601	Pathology Labs (Histopathology, Cytopathology)	L-057	Draft camber, sample cutting	2		
Pathology lab	601	Pathology Labs (Histopathology, Cytopathology)	L-002	Agitator, tissue fixation	1		
Pathology lab	601	Pathology Labs (Histopathology, Cytopathology)	L-090	Photography platform and camera	1		
Pathology lab	601	Pathology Labs (Histopathology, Cytopathology)	L-052	Cryotome	1		
Pathology lab	601	Pathology Labs (Histopathology, Cytopathology)	L-086	Paraffin oven / pod	1		
Pathology lab	601	Pathology Labs (Histopathology, Cytopathology)	L-087	Paraffin warmer	1		
Pathology lab	601	Pathology Labs (Histopathology, Cytopathology)	L-081	Microtome, slider type	1		
Pathology lab	601	Pathology Labs (Histopathology, Cytopathology)	L-024	Balance, electronics	1		
Pathology lab	601	Pathology Labs (Histopathology, Cytopathology)	L-010	Automatic cover slipper	1		
Pathology lab	601	Pathology Labs (Histopathology, Cytopathology)	L-075	Microscope, digital photograph	1		
Pathology lab	601	Pathology Labs (Histopathology, Cytopathology)	L-118	Table, stainless steel	1		
Pathology lab	601	Pathology Labs (Histopathology, Cytopathology)	L-074	Microscope	3		
Pathology lab	601	Pathology Labs (Histopathology, Cytopathology)	L-100	Refrigerator, medicine (290 to 350 L, vertical type)	2		
Pathology lab	601	Pathology Labs (Histopathology, Cytopathology)	L-093	Purified water production apparatus	2		
Pathology lab	601	Pathology Labs (Histopathology, Cytopathology)	L-113	Table, laboratory, central	1		
Pathology lab	601	Pathology Labs (Histopathology, Cytopathology)	L-048	Centrifuge, table top	1		
Pathology lab	601	Pathology Labs (Histopathology, Cytopathology)	L-114	Table, laboratory, central, with sink	1		
Pathology lab	601	Pathology Labs (Histopathology, Cytopathology)	L-015	Automatic immuno staining machine	1		
Pathology lab	601	Pathology Labs (Histopathology, Cytopathology)	L-018	Automatic PAP smear apparatus	1		
Pathology lab	601	Pathology Labs (Histopathology, Cytopathology)	L-048	Centrifuge, table top	1		
Pathology lab	601	Pathology Labs (Histopathology, Cytopathology)	L-089	pH meter	1		

Major Equipment List based on RFP room list

Department	Room No.	Room Description	Item No.	Description	Q'ty	Iraq Side	Remarks
Pathology lab	601	Pathology Labs (Histopathology, Cytopathology)	L-110	Stool, laboratory	1		
Pathology lab	601	Pathology Labs (Histopathology, Cytopathology)	L-042	Cabinet, stainless	1		
Pathology lab	601	Pathology Labs (Histopathology, Cytopathology)	L-085	Paraffin embedding apparatus	1		
Pathology lab	601	Pathology Labs (Histopathology, Cytopathology)	L-076	Microscope, discussion	1		
Pathology lab	601	Pathology Labs (Histopathology, Cytopathology)	L-040	Cabinet, filing	8		
Pathology lab	601	Pathology Labs (Histopathology, Cytopathology)	L-070	Magnetic stirrer, heating	1		
Pathology lab	601	Pathology Labs (Histopathology, Cytopathology)	L-041	Cabinet, moving	1		
Pathology lab	604	Parasitology Lab	L-074	Microscope	1		
Pathology lab	604	Parasitology Lab	L-079	Microscope, multiview	1		
Pathology lab	605	Microbiology & media prep.	L-065	Incubator, CO2	1		
Pathology lab	605	Microbiology & media prep.	L-125	Water bath	1		
Pathology lab	605	Microbiology & media prep.	L-009	Automatic bacteria analyzer	1		
Pathology lab	605	Microbiology & media prep.	L-066	Incubator, tabletop, with stand	1		
Pathology lab	605	Microbiology & media prep.	L-099	Refrigerator, small	1		
Pathology lab	605	Microbiology & media prep.	L-074	Microscope	1		
Pathology lab	605	Microbiology & media prep.	L-044	Centrifuge	2		
Pathology lab	605	Microbiology & media prep.	L-024	Balance, electronics	1		
Pathology lab	605	Microbiology & media prep.	L-054	Deep freezer, vertical (-80°C, 300L)	1		
Pathology lab	605	Microbiology & media prep.	L-025	Bio-safety cabinet	5		
Pathology lab	606	Autoclaves / wash-up	L-094	Purified water production apparatus	1		
Pathology lab	606	Autoclaves / wash-up	S-021	Sterilizer Steam, vertical	1		
Pathology lab	606	Autoclaves / wash-up	L-108	Sterilizer	1		
Pathology lab	607	Cold store	L-095	Refrigerator - freezer, medicine(Refrigerator:220L, Freezer:85L)	1		
Pathology lab	607	Cold store	L-100	Refrigerator, medicine (290 to 350 L, vertical type)	1		
Pathology lab	607	Cold store	P-012	Cold storage room, prefabricated	1		
Pathology lab	618	Laboratory bulk supplies storage	L-068	Laboratory glass ware and instrument set	1		
Pathology lab	619	Janitor closet	S-013	Cart, Multi Purpose	2		
Pathology lab	619	Janitor closet	W-019	Cleaner, dry and wet	2		
Pathology lab	619	Janitor closet	S-010	Cart, clean material	2		
Endoscopy	649	Consult / examination	E-011	Examination Table	2		
Endoscopy	652	Patient preparation/ recovery cubicle	W-009	Bed, Electric with mattress, side rail	2		
Endoscopy	653	Procedure room, adult endoscopy	E-030	Video Duodenoscope for Treatment	2		
Endoscopy	653	Procedure room, adult endoscopy	E-029	Video Bronchoscope for Treatment	2		
Endoscopy	653	Procedure room, adult endoscopy	O-061	Suction Unit	2		
Endoscopy	653	Procedure room, adult endoscopy	E-014	Laryngoscope	1		
Endoscopy	653	Procedure room, adult endoscopy	E-015	Laryngoscope, Mcintosh, Fiber Optics	1		
Endoscopy	653	Procedure room, adult endoscopy	E-016	Laryngoscope, Miller, Fiber Optics	1		
Endoscopy	653	Procedure room, adult endoscopy	W-033	Oxygen Flowmeter, Wall Mount Type, 10L	2		
Endoscopy	655	Staff base	I-008	Monitor, Bed side	2		
Endoscopy	655	Staff base	I-024	Pulse Oximeter	2		
Endoscopy	656	Clean workroom	L-118	Table, stainless steel	1		
Endoscopy	657	Soiled workroom	L-118	Table, stainless steel	1		
Endoscopy	658	Scope washing and storage	E-031	Videoendoscope Broncho	2		
Endoscopy	658	Scope washing and storage	E-021	Ultrasonic Endoscope	1		
Endoscopy	658	Scope washing and storage	E-028	Video Bronchoscope	2		
Endoscopy	658	Scope washing and storage	E-001	Bronchoscope, Rigit with light source	1		
Endoscopy	658	Scope washing and storage	E-018	Rectoscope	1		
Endoscopy	658	Scope washing and storage	E-009	Endoscope electrosurgical unit	2		
Endoscopy	658	Scope washing and storage	E-017	Light source	2		
Endoscopy	658	Scope washing and storage	E-010	Endoscopic trolley	2		
Endoscopy	658	Scope washing and storage	E-032	Videoendoscope Upper Gastro	2		
Endoscopy	658	Scope washing and storage	E-007	Endoscope Washer	2		
Endoscopy	659	Mobile xray / C-arm bay	X-074	X-ray Unit, Mobile, C arm	1		
Endoscopy	660	Store, sterile supplies	C-079	Medical Cabinet	1		
Endoscopy	664	Janitor closet	S-013	Cart, Multi Purpose	2		
Endoscopy	664	Janitor closet	W-019	Cleaner, dry and wet	2		
Endoscopy	664	Janitor closet	S-010	Cart, clean material	2		
Rehabilitation	672	Wheelchair/ trolley bay	W-044	Wheelchair	5		
Rehabilitation	673	Examination / assessment	R-063	Stimulator, Electrical Nerves	1		
Rehabilitation	673	Examination / assessment	C-038	Electonical Examination Table (with fence)	1		
Rehabilitation	675	Physical therapy / treatment room	R-031	Interferential Therapy Unit	1		
Rehabilitation	675	Physical therapy / treatment room	R-046	Pulse Ultrashortwave Therapy Unit	1		
Rehabilitation	675	Physical therapy / treatment room	R-038	Microwave Diathermy Machine	1		
Rehabilitation	675	Physical therapy / treatment room	R-004	Automatic Traction Unit	2		
Rehabilitation	675	Physical therapy / treatment room	R-027	Hot pack machine	2		
Rehabilitation	675	Physical therapy / treatment room	R-029	Infra-red ray unit	1		
Rehabilitation	675	Physical therapy / treatment room	R-035	Low frequency treatment machine	2		
Rehabilitation	676	Gymnasium / active therapy	I-002	Defibrillator	1		
Rehabilitation	676	Gymnasium / active therapy	I-020	Monitor, SpO2/CO2	1		
Rehabilitation	676	Gymnasium / active therapy	W-045	Weight Scale	1		

Major Equipment List based on RFP room list

Department	Room No.	Room Description	Item No.	Description	Q'ty	Iraq Side	Remarks
Rehabilitation	676	Gymnasium / active therapy	R-078	Weighted Pulley Exercise Machine for Arms and Legs	1		
Rehabilitation	676	Gymnasium / active therapy	R-054	Self-motion measurement machine (Training machine)	2		
Rehabilitation	676	Gymnasium / active therapy	R-068	Treadmill	1		
Rehabilitation	676	Gymnasium / active therapy	R-016	Dumbbells, 1-5 kg	1		
Rehabilitation	676	Gymnasium / active therapy	R-015	Dumbbells rack	1		
Rehabilitation	676	Gymnasium / active therapy	R-060	Steel band	1		
Rehabilitation	676	Gymnasium / active therapy	R-061	Steel band rack	1		
Rehabilitation	676	Gymnasium / active therapy	R-064	Stool for exercise	1		
Rehabilitation	676	Gymnasium / active therapy	R-057	Sholder Wheel	1		
Rehabilitation	676	Gymnasium / active therapy	R-050	Rotary wrist exercise machine	1		
Rehabilitation	676	Gymnasium / active therapy	R-085	Wrist roll exercise machine	1		
Rehabilitation	676	Gymnasium / active therapy	R-003	Ankle correction standing table	1		
Rehabilitation	676	Gymnasium / active therapy	R-076	Wall bar	1		
Rehabilitation	676	Gymnasium / active therapy	R-011	Chin-up bar	1		
Rehabilitation	676	Gymnasium / active therapy	R-037	Mat for exercise	1		
Rehabilitation	676	Gymnasium / active therapy	R-047	Push-up stand	1		
Rehabilitation	676	Gymnasium / active therapy	R-080	Whole-body exercise machine	2		
Rehabilitation	676	Gymnasium / active therapy	W-008	Bed, Electric with mattress	1		
Rehabilitation	676	Gymnasium / active therapy	R-065	Tilt table	1		
Rehabilitation	676	Gymnasium / active therapy	R-062	Steps for exercise, movable	1		
Rehabilitation	676	Gymnasium / active therapy	R-041	Parallel bar, movable, square type	1		
Rehabilitation	676	Gymnasium / active therapy	R-040	Parallel bar, movable	1		
Rehabilitation	676	Gymnasium / active therapy	R-045	Posture Mirror, movable	1		
Rehabilitation	677	Occupational therapy hall	R-022	Furnace, electric	1		
Rehabilitation	677	Occupational therapy hall	R-033	Jig saw, electric	1		
Rehabilitation	677	Occupational therapy hall	R-014	Drilling machine, with table	1		
Rehabilitation	677	Occupational therapy hall	R-048	Rehabilitation table, high and low	1		
Rehabilitation	677	Occupational therapy hall	R-059	Standing table, high and low	1		
Rehabilitation	677	Occupational therapy hall	R-009	Ceramic Work set	1		
Rehabilitation	677	Occupational therapy hall	R-025	Handwaaving machine, table-top type	1		
Rehabilitation	677	Occupational therapy hall	R-086	Craft set	1		
Rehabilitation	677	Occupational therapy hall	R-034	Laser craft set	1		
Rehabilitation	677	Occupational therapy hall	R-007	Boardgame for play therapy	4		
Rehabilitation	677	Occupational therapy hall	R-082	Working table for ceramic work	1		
Rehabilitation	677	Occupational therapy hall	R-056	Shelf for drying cray	1		
Rehabilitation	677	Occupational therapy hall	R-020	Electrical potter's wheel	1		
Rehabilitation	677	Occupational therapy hall	R-019	Electrical Oven, side open, with micro-computer	1		
Rehabilitation	677	Occupational therapy hall	R-058	Standing table	1		
Rehabilitation	677	Occupational therapy hall	R-051	Sanding board set	1		
Rehabilitation	677	Occupational therapy hall	R-049	Ring toss	1		
Rehabilitation	677	Occupational therapy hall	R-070	Trim ball	1		
Rehabilitation	678	O.T. / ADL , kitchen, toilet, living area	R-001	ADL kitchen unit	1		
Rehabilitation	678	O.T. / ADL , kitchen, toilet, living area	R-074	Vanity unit	1		
Rehabilitation	678	O.T. / ADL , kitchen, toilet, living area	R-077	WC unit	1		
Rehabilitation	678	O.T. / ADL , kitchen, toilet, living area	R-010	Chair unit	1		
Rehabilitation	679	Store, walking aids	C-146	Walker, folding, middle caster	10		
Rehabilitation	679	Store, walking aids	C-145	Walker, folding, large caster	10		
Rehabilitation	679	Store, walking aids	C-148	Walking aid, pediatric	10		
Rehabilitation	679	Store, walking aids	C-147	Walking aid	10		
Rehabilitation	693	Clean utility	L-118	Table, stainless steel	1		
Rehabilitation	694	Dirty utility	L-118	Table, stainless steel	1		
Rehabilitation	695	Janitor	S-013	Cart, Multi Purpose	1		
Rehabilitation	695	Janitor	W-019	Cleaner, dry and wet	1		
Rehabilitation	695	Janitor	S-010	Cart, clean material	1		
Pharmacy	699	Trolley parking bay	P-017	Drug Trolley (Including Partition Board and Tray)	10		
Pharmacy	701	Dispensing pharmacy	P-004	Automatic Powder Packing Machine	1		
Pharmacy	701	Dispensing pharmacy	P-006	Automatic Tablet Packing Machine	1		
Pharmacy	701	Dispensing pharmacy	P-034	Powder Medicine Control Machine	1		
Pharmacy	701	Dispensing pharmacy	P-015	Dispensing Counter with Precipitator	1		
Pharmacy	701	Dispensing pharmacy	P-025	Liquid Medicine Control Machine	1		
Pharmacy	701	Dispensing pharmacy	P-043	Tablet Grinder	1		
Pharmacy	701	Dispensing pharmacy	P-016	Drug Ejector for Press through Package	1		
Pharmacy	701	Dispensing pharmacy	P-032	Paste Mixer	1		
Pharmacy	701	Dispensing pharmacy	P-005	Automatic Preformed Powder Packaging Machine with Binder	1		
Pharmacy	701	Dispensing pharmacy	P-021	FumeHood, Desk Top Type with Stand	1		
Pharmacy	701	Dispensing pharmacy	P-032	Paste Mixer	1		
Pharmacy	701	Dispensing pharmacy	P-045	Tray Supply Machine	1		
Pharmacy	701	Dispensing pharmacy	P-023	Injection Drug Supply System, Random Type	2		
Pharmacy	701	Dispensing pharmacy	L-118	Table, stainless steel	1		
Pharmacy	701	Dispensing pharmacy	P-044	Tablet Table with Fluorescent Lamp	8		

Major Equipment List based on RFP room list

Department	Room No.	Room Description	Item No.	Description	Q'ty	Iraq Side	Remarks
Pharmacy	701	Dispensing pharmacy	L-024	Balance, electronics	1		
Pharmacy	701	Dispensing pharmacy	P-024	Liquid Medication Table with Fluorescent Lamp	1		
Pharmacy	701	Dispensing pharmacy	L-024	Balance, electronics	2		
Pharmacy	701	Dispensing pharmacy	P-019	Drying Machine with Stand	1		
Pharmacy	701	Dispensing pharmacy	P-042	Steel Cabinet (W1805xD455xH2102)	1		
Pharmacy	701	Dispensing pharmacy	X-015	Desiccator	1		
Pharmacy	701	Dispensing pharmacy	P-033	Pill Packer	1		
Pharmacy	701	Dispensing pharmacy	P-020	External Medicine Table with Fluorescent Lamp	2		
Pharmacy	701	Dispensing pharmacy	P-003	Audit Table with Drawers (Front and Back) and Casters	1		
Pharmacy	701	Dispensing pharmacy	P-009	Cabinet, Drug	1		
Pharmacy	703	IV mix / preparation area	P-039	Rewrite Machine	1		
Pharmacy	705	Aseptic room	P-011	Clean Bench	1		
Pharmacy	705	Aseptic room	P-011	Clean Bench	2		
Pharmacy	705	Aseptic room	P-030	Pass Box with Chemical Washer	1		
Pharmacy	705	Aseptic room	P-029	Pass Box	1		
Pharmacy	705	Aseptic room	P-031	Pass Box with Refrigerator	1		
Pharmacy	706	Wash / change / robe area - aseptic room	P-018	Dry Heat Sterilizer with Stand	1		
Pharmacy	706	Wash / change / robe area - aseptic room	P-019	Drying Machine with Stand	1		
Pharmacy	706	Wash / change / robe area - aseptic room	P-008	Bottle Washer with Jet Rack (2kinds) and Stand	1		
Pharmacy	706	Wash / change / robe area - aseptic room	S-015	High Pressure Steam sterilizer	1		
Pharmacy	706	Wash / change / robe area - aseptic room	S-026	UV Locker for Sterilization with HEPA Unit	1		
Pharmacy	706	Wash / change / robe area - aseptic room	P-022	Hand Washing Unit for Sterilized Water	1		
Pharmacy	706	Wash / change / robe area - aseptic room	P-002	Air Towel	1		
Pharmacy	706	Wash / change / robe area - aseptic room	P-001	Air Shower Unit	1		
Pharmacy	708	Ward box/trolley holding area	P-017	Drug Trolley (Including Partition Board and Tray)	10		
Pharmacy	710	Pharmaceutical bulk store	P-010	Cabinet, Hazardous Material	1		
Pharmacy	710	Pharmaceutical bulk store	P-009	Cabinet, Drug	5		
Pharmacy	710	Pharmaceutical bulk store	P-012	Cold storage room, prefabricated	1		
Pharmacy	713	Narcotics/ secure store	P-040	Safe, for narcosis	1		
Pharmacy	714	Cold / controlled temperature store	P-013	Cool Box	2		
Pharmacy	714	Cold / controlled temperature store	P-036	Refrigerator (Temperature Recorder and Printer)	1		
Pharmacy	714	Cold / controlled temperature store	P-035	Refrigerator Freezer, Medical Fridge(Refrigerator,200L -Freezer 80L)	5		
Pharmacy	714	Cold / controlled temperature store	P-007	Blood Bank Refrigerator with Recorder (4-6°C -625-758L)	5		
Pharmacy	714	Cold / controlled temperature store	L-100	Refrigerator, medicine (290 to 350 L, vertical type)	5		
Pharmacy	715	General store	P-028	Panelized Refrigerator	1		
Pharmacy	715	General store	P-009	Cabinet, Drug	5		
Pharmacy	725	Janitor closet	S-013	Cart, Multi Purpose	1		
Pharmacy	725	Janitor closet	W-019	Cleaner, dry and wet	2		
Pharmacy	725	Janitor closet	S-010	Cart, clean material	2		
CSSD	726	Soiled holding	S-007	Cabinet, Instrument	5		
CSSD	727	Soiled workroom/ decontamination area	S-027	Washer, Ultrasonic	1		
CSSD	727	Soiled workroom/ decontamination area	S-018	Miltech Bath	1		
CSSD	727	Soiled workroom/ decontamination area	S-025	Tube Washer and Dryer	1		
CSSD	727	Soiled workroom/ decontamination area	S-001	Air Compressor	1		
CSSD	727	Soiled workroom/ decontamination area	S-014	Dryer, System	1		Double door
CSSD	727	Soiled workroom/ decontamination area	S-002	Auto Jet Washer	2		Double door
CSSD	727	Soiled workroom/ decontamination area	L-118	Table, stainless steel	2		
CSSD	730	Auto trolley wash & parking area	S-009	Cart Washer	1		
CSSD	732	Mattress sterilization	S-006	Bed Washer	1		
CSSD	732	Mattress sterilization	S-017	Mattress Disinfectant	1		
CSSD	737	Janitor	S-013	Cart, Multi Purpose	1		
CSSD	737	Janitor	W-019	Cleaner, dry and wet	1		
CSSD	737	Janitor	S-010	Cart, clean material	1		
CSSD	738	Clean workroom/ packing / instrument preparation	S-005	Bag Sealer	2		
CSSD	742	Steam sterilizers	S-003	Autoclave, Large High Pressure Steam sterilizer	3		
CSSD	742	Steam sterilizers	S-024	Sterilizer, Washer Steam	1		
CSSD	743	Plasma sterilizer alcove	S-023	Sterilizer, Plasma	1		100L
CSSD	744	Clean supplies store	C-079	Medical Cabinet	1		
CSSD	755	Janitor	S-013	Cart, Multi Purpose	1		
CSSD	755	Janitor	W-019	Cleaner, dry and wet	1		
CSSD	755	Janitor	S-010	Cart, clean material	1		
Kitchen and dining	756			Instruments, Plateware & Saving wagon	1		
Laundry	791			Machines & Peripherals	1		
Administration	815			Furniture & Office machine			1 Iraq side
Medical record	870			Furniture & Office machine			1 Iraq side
Morgue	890	Refrigerated body storeroom, 10 places	L-098	Refrigerator, Morgue 12 body with lift	1		
Morgue	892	Body washing	L-039	Body washing table	1		
Morgue	893	Autopsy suite	L-069	Laminar flow unit	1		
Morgue	893	Autopsy suite	L-112	Table, Autopsy operation	1		
Morgue	893	Autopsy suite	L-061	High pressure steam sterilizer, small	1		

Major Equipment List based on RFP room list

Department	Room No.	Room Description	Item No.	Description	Q'ty	Iraq Side	Remarks
Morgue	893	Autopsy suite	L-083	Operation lamp, anatomy	1		
Morgue	893	Autopsy suite	L-058	Electrical saw	1		
Morgue	893	Autopsy suite	X-060	X-ray Film Viewer	1		
Morgue	893	Autopsy suite	L-104	Sink unit, formalin	1		
Morgue	893	Autopsy suite	L-101	Room disinfectant and neutralizer	1		
Morgue	893	Autopsy suite	L-124	Washing and sterilizing pan, boot	1		
Morgue	893	Autopsy suite	L-111	Suction unit, high power	1		
Morgue	893	Autopsy suite	L-067	Instrument set for anatomy	1		
Morgue	893	Autopsy suite	L-122	Ultrasonic clean room	1		
Morgue	897	Janitor closet.	S-013	Cart, Multi Purpose	1		
Morgue	897	Janitor closet.	W-019	Cleaner, dry and wet	1		
Cleaning	898	Housekeeping main storage / issue	W-020	Cleaner, Infection Preventing Type	1		
Cleaning	898	Housekeeping main storage / issue	W-019	Cleaner, dry and wet	5		
Maintenance	914	Janitor Room	W-019	Cleaner, dry and wet	1		
Central Store	931	Housekeeping	S-013	Cart, Multi Purpose	1		
Central Store	931	Housekeeping	W-019	Cleaner, dry and wet	1		

Appendix-10: Check Sheets on Environments at Each Site

Site name :(1) Salaheddin (Al Ashurqat)

(Environmental Checklists 27. Other Infrastructure)

Category	Environmental Item	Main Check Items	Yes: Y No : N	Confirmation of Environmental Considerations (Reasons, Mitigation Measures)	
1 Permits and Explanation	(1) EIA and Environmental Permits	(a) Have EIA reports been already prepared in official process? (b) Have EIA reports been approved by authorities of the host country's government? (c) Have EIA reports been unconditionally approved? if there are some conditions, is it fulfilled? (d) In addition to the above approvals, have other required environmental permits been obtained from the appropriate regulatory authorities of the host country's government?	(a)Y (b)Y (c)Y (d)Y	(a) (b) (c) (d)	
	(2) Explanation to the Local Stakeholders	(a) Have contents of the project and the potential impacts been adequately explained to the Local stakeholders based on appropriate procedures, including information disclosure? Is understanding obtained from the Local stakeholders? (b) Have the comments from the stakeholders (such as local residents) been reflected to the project design?	(a)Y (b)Y	(a) Contents have been adequately explained to the Local stakeholders and understanding been obtained the Local stakeholders. (b) The comments have been reflected adequately.	
	(3) Examination of Alternatives	(a) Have alternative plans of the project been examined with social and environmental considerations?	(a)Y	(a) Not applicable	
2 Contamination	(1) Air Quality	(a) Do air pollutants, (such as sulfur oxides (SOx), nitrogen oxides (NOx), and soot and dust) emitted from the proposed infrastructure facilities and ancillary facilities comply with the country's emission standards and ambient air quality standards? Are any mitigating measures taken? (b) Are electric and heat source at accommodation used fuel which emission factor is low?	(a)Y (b)Y	(a) They comply with the country's emission standards and ambient air quality standards. (b) Fuel which emission factor is low is used.	
	(2) Water Quality	(a) Do effluents or leachates from various facilities, such as infrastructure facilities and the ancillary facilities comply with the country's effluent standards and ambient water quality standards?	(a)Y	(a) They comply with the country's emission standards and ambient air quality standards.	
	(3) Wastes	(a) Are wastes from the infrastructure facilities and ancillary facilities properly treated and disposed of in accordance with the country's regulations?	(a)Y	(a) They are properly treated and disposed of in accordance with the country's regulations	
	(4) Soil Contamination	(a) Are adequate measures taken to prevent contamination of soil and groundwater by the effluents or leachates from the infrastructure facilities and the ancillary facilities?	(a)Y	(a) Adequate measures are taken to prevent contamination of soil and groundwater	
	(5) Noise and Vibration	(a) Do noise and vibrations comply with the country's standards?	(a)Y	(a) They comply with the country's standards	
	(6) Subsidence	(a) In the case of extraction of a large volume of groundwater, is there a possibility that the extraction of groundwater will cause subsidence?	(a)Y	(a) There is no possibility that the extraction of groundwater will cause subsidence.	
	(7) Odor	(a) Are there any odor sources? Are adequate odor control measures taken?	(a)Y	(a) There are no odor sources.	
3 Natural Environment	(1) Protected Areas	(a) Is the project site or discharge area located in protected areas designated by the country's laws or international treaties and conventions? Is there a possibility that the project will affect the protected areas?	(a)Y	(a) It is not located in protected areas	
	(2) Ecosystem	(a) Does the project site encompass primeval forests, tropical rain forests, ecologically valuable habitats (e.g., coral reefs, mangroves, or tidal flats)? (b) Does the project site encompass the protected habitats of endangered species designated by the country's laws or international treaties and conventions? (c) If there is a possibility that the project will significantly affect ecosystem, are any measure taken to reduce the affection to ecosystem? (d) Is there a possibility that the amount of water (e.g., surface water, groundwater) used by the project will adversely affect aquatic environments, such as rivers? Are adequate measures taken to reduce the impacts on aquatic environments, such as aquatic organisms?	(a)Y (b)Y (c)Y (d)Y	(a) It does not encompass ecologically valuable habitats. (b) It does not encompass habitats of endangered species. (c) the project wil not significantly affect ecosystem. (d) It will not adversely affect aquatic environments.	
		(3) Hydrology	(a) Is there a possibility that hydrologic changes due to the project will adversely affect surface water and groundwater flows?	(a)Y	(a) There are no hydrologic changes.
		(4) Topography and Geology	(a) Is there a possibility the project will cause large-scale alteration of the topographic features and geologic structures in the project site and surrounding areas?	(a)Y	(a) It will not cause large-scale alteration of the topographic features and geologic structures
4 Social Environment	(1) Resettlement	(a) Is involuntary resettlement caused by project implementation? If involuntary resettlement is caused, are efforts made to minimize the impacts caused by the resettlement? (b) Is adequate explanation on compensation and resettlement assistance given to affected people prior to resettlement? (c) Is the resettlement plan, including compensation with full replacement costs, restoration of livelihoods and living standards developed based on socioeconomic studies on resettlement? (d) Is the compensations going to be paid prior to the resettlement? (e) Is the compensation policies prepared in document? (f) Does the resettlement plan pay particular attention to vulnerable groups or people, including women, children, the elderly, people below the poverty line, ethnic minorities, and indigenous peoples? (g) Are agreements with the affected people obtained prior to resettlement? (h) Is the organizational framework established to properly implement resettlement? Are the capacity and budget secured to implement the plan? (i) Are any plans developed to monitor the impacts of resettlement? (j) Is the grievance redress mechanism established?	(a)Y (b)Y (c)Y (d)Y (e)Y (f)Y (g)Y (h)Y (i)Y (j)Y	(a) It will not cause involuntary resettlement. (b) Not applicable (c) Not applicable (d) Not applicable (e) Not applicable (f) Not applicable (g) Not applicable (h) Not applicable (i) Not applicable (j) Not applicable	

4 Social Environment	(2) Living and Livelihood	(a) Is there a possibility that the project will adversely affect the living conditions of inhabitants? Are adequate measures considered to reduce the impacts, if necessary?	(a)Y	(a) The project will not adversely affect the living conditions of inhabitants. If necessary, adequate measures are considered to reduce the impacts.
	(3) Heritage	(b) Is there a possibility that the project will damage the local archeological, historical, cultural, and religious heritage? Are adequate measures considered to protect these sites in accordance with the country's laws?	(a)Y	(a) The project will not damage valuable local archeological, historical, cultural, and religious heritage.
	(4) Landscape	(a) Is there a possibility that the project will adversely affect the local landscape? Are necessary measures taken? (b) Is there a possibility that landscape is spoiled by construction of high-rise buildings such as huge hotels?	(a)Y (b)Y	(a) The project will not adversely affect the local landscape. (b) There is no possibility that landscape is spoiled.
	(5) Ethnic Minorities and Indigenous Peoples	(a) Are considerations given to reduce impacts on the culture and lifestyle of ethnic minorities and indigenous peoples? (b) Are all of the rights of ethnic minorities and indigenous peoples in relation to land and resources respected?	(a)Y (b)Y	(a)Not applicable (b)Not applicable
	(6) Working Conditions	(a) Is the project proponent not violating any laws and ordinances associated with the working conditions of the country which the project proponent should observe in the project? (b) Are tangible safety considerations in place for individuals involved in the project, such as the installation of safety equipment which prevents industrial accidents, and management of hazardous materials? (c) Are intangible measures being planned and implemented for individuals involved in the project, such as the establishment of a safety and health program, and safety training (including traffic safety and public health) for workers etc.? (d) Are appropriate measures taken to ensure that security guards involved in the project not to violate safety of other individuals involved, or local residents?	(a)Y (b)Y (c)Y (d)Y	(a) It is not violating any laws and ordinances associated with the working conditions. (b) Tangible safety considerations are taken. (c) Intangible safety considerations are planned and implemented. (d) Appropriate measures are taken to ensure safety.
5 Others	(1) Impacts during Construction	(a) Are adequate measures considered to reduce impacts during construction (e.g., noise, vibrations, turbid water, dust, exhaust gases, and wastes)? (b) If construction activities adversely affect the natural environment (ecosystem), are adequate measures considered to reduce impacts? (c) If construction activities adversely affect the social environment, are adequate measures considered to reduce impacts?	(a)Y (b)Y (c)Y	(a) Adequate measures are considered to reduce impacts during construction. (b) It does not adversely affect the natural environment. (c) It does not adversely affect the social environment.
	(2) Monitoring	(a) Does the proponent develop and implement monitoring program for the environmental items that are considered to have potential impacts? (b) What are the items, methods and frequencies of the monitoring program? (c) Does the proponent establish an adequate monitoring framework (organization, personnel, equipment, and adequate budget to sustain the monitoring framework)? (d) Are any regulatory requirements pertaining to the monitoring report system identified, such as the format and frequency of reports from the proponent to the regulatory authorities?	(a)Y (b)Y (c)Y (d)Y	(a)No item that are considered to have potential impacts in environmental items (b)Not applicable (c)Not applicable (d)Not applicable
6 Note	Reference to Checklist of Other Sectors	(a) Where necessary, pertinent items described in the Roads, Railways and Bridges checklist should also be checked (e.g., projects including access roads to the infrastructure facilities). (b) For projects, such as installation of telecommunication cables, p	(a)Y (b)Y	(a) No need to refer the other checklist (b)Not applicable
	Note on Using Environmental Checklist	(a) If necessary, the impacts to transboundary or global issues should be confirmed (e.g., the project includes factors that may cause problems, such as transboundary waste treatment, acid rain, destruction of the ozone layer, or global warming).	(a)Y	(a)Not applicable

1) Regarding the term "Country's Standards" mentioned in the above table, in the event that environmental standards in the country where the project is located diverge significantly from international standards, appropriate environmental considerations are required to be made. In cases where local environmental regulations are yet to be established in some areas, considerations should be made based on comparisons with appropriate standards of other countries (including Japan's experience).

2) Environmental checklist provides general environmental items to be checked. It may be necessary to add or delete an item taking into account the characteristics of the project and the particular circumstances of the country and locality in which the project is located.

Site name : (2) Kirkuk (Kirkuk)		(Environmental Checklists 27. Other Infrastructure)		
Category	Environmental Item	Main Check Items	Yes: Y No : N	Confirmation of Environmental Considerations (Reasons, Mitigation Measures)
1 Permits and Explanation	(1) EIA and Environmental Permits	(a) Have EIA reports been already prepared in official process? (b) Have EIA reports been approved by authorities of the host country's government? (c) Have EIA reports been unconditionally approved? if there are some conditions, is it fulfilled? (d) In addition to the above approvals, have other required environmental permits been obtained from the appropriate regulatory authorities of the host country's government?	(a)Y (b)Y (c)Y (d)Y	(a) (b) (c) (d)
	(2) Explanation to the Local Stakeholders	(a) Have contents of the project and the potential impacts been adequately explained to the Local stakeholders based on appropriate procedures, including information disclosure? Is understanding obtained from the Local stakeholders? (b) Have the comments from the stakeholders (such as local residents) been reflected to the project design?	(a)Y (b)Y	(a) Contents have been adequately explained to the Local stakeholders and understanding been obtained from the Local stakeholders. (b) The comments have been reflected adequately.
	(3) Examination of Alternatives	(a) Have alternative plans of the project been examined with social and environmental considerations?	(a)Y	(a) Not applicable
2 Contamination	(1) Air Quality	(a) Do air pollutants, (such as sulfur oxides (SOx), nitrogen oxides (NOx), and soot and dust) emitted from the proposed infrastructure facilities and ancillary facilities comply with the country's emission standards and ambient air quality standards? Are any mitigating measures taken? (b) Are electric and heat source at accommodation used fuel which emission factor is low?	(a)Y (b)Y	(a) They comply with the country's emission standards and ambient air quality standards. (b) Fuel which emission factor is low is used.
	(2) Water Quality	(a) Do effluents or leachates from various facilities, such as infrastructure facilities and the ancillary facilities comply with the country's effluent standards and ambient water quality standards?	(a)Y	(a) They comply with the country's emission standards and ambient air quality standards.
	(3) Wastes	(a) Are wastes from the infrastructure facilities and ancillary facilities properly treated and disposed of in accordance with the country's regulations?	(a)Y	(a) They are properly treated and disposed of in accordance with the country's regulations
	(4) Soil Contamination	(a) Are adequate measures taken to prevent contamination of soil and groundwater by the effluents or leachates from the infrastructure facilities and the ancillary facilities?	(a)Y	(a) Adequate measures are taken to prevent contamination of soil and groundwater
	(5) Noise and Vibration	(a) Do noise and vibrations comply with the country's standards?	(a)Y	(a) They comply with the country's standards
	(6) Subsidence	(a) In the case of extraction of a large volume of groundwater, is there a possibility that the extraction of groundwater will cause subsidence?	(a)Y	(a) There is no possibility that the extraction of groundwater will cause subsidence.
	(7) Odor	(a) Are there any odor sources? Are adequate odor control measures taken?	(a)Y	(a) There are no odor sources.
3 Natural Environment	(1) Protected Areas	(a) Is the project site or discharge area located in protected areas designated by the country's laws or international treaties and conventions? Is there a possibility that the project will affect the protected areas?	(a)Y	(a) It is not located in protected areas
	(2) Ecosystem	(a) Does the project site encompass primeval forests, tropical rain forests, ecologically valuable habitats (e.g., coral reefs, mangroves, or tidal flats)? (b) Does the project site encompass the protected habitats of endangered species designated by the country's laws or international treaties and conventions? (c) If there is a possibility that the project will significantly affect ecosystem, are any measure taken to reduce the affection to ecosystem? (d) Is there a possibility that the amount of water (e.g., surface water, groundwater) used by the project will adversely affect aquatic environments, such as rivers? Are adequate measures taken to reduce the impacts on aquatic environments, such as aquatic organisms?	(a)Y (b)Y (c)Y (d)Y	(a) It does not encompass ecologically valuable habitats. (b) It does not encompass habitats of endangered species. (c) The project will not significantly affect ecosystem. (d) It will not adversely affect aquatic environments.
	(3) Hydrology	(a) Is there a possibility that hydrologic changes due to the project will adversely affect surface water and groundwater flows?	(a)Y	(a) There are no hydrologic changes.
	(4) Topography and Geology	(a) Is there a possibility the project will cause large-scale alteration of the topographic features and geologic structures in the project site and surrounding areas?	(a)Y	(a) It will not cause large-scale alteration of the topographic features and geologic structures
4 Social Environment	(1) Resettlement	(a) Is involuntary resettlement caused by project implementation? If involuntary resettlement is caused, are efforts made to minimize the impacts caused by the resettlement? (b) Is adequate explanation on compensation and resettlement assistance given to affected people prior to resettlement? (c) Is the resettlement plan, including compensation with full replacement costs, restoration of livelihoods and living standards developed based on socioeconomic studies on resettlement? (d) Is the compensations going to be paid prior to the resettlement? (e) Is the compensation policies prepared in document? (f) Does the resettlement plan pay particular attention to vulnerable groups or people, including women, children, the elderly, people below the poverty line, ethnic minorities, and indigenous peoples? (g) Are agreements with the affected people obtained prior to resettlement? (h) Is the organizational framework established to properly implement resettlement? Are the capacity and budget secured to implement the plan? (i) Are any plans developed to monitor the impacts of resettlement? (j) Is the grievance redress mechanism established?	(a)Y (b)Y (c)Y (d)Y (e)Y (f)Y (g)Y (h)Y (i)Y (j)Y	(a) It will not cause involuntary resettlement. (b) Not applicable (c) Not applicable (d) Not applicable (e) Not applicable (f) Not applicable (g) Not applicable (h) Not applicable (i) Not applicable (j) Not applicable

4 Social Environment	(2) Living and Livelihood	(a) Is there a possibility that the project will adversely affect the living conditions of inhabitants? Are adequate measures considered to reduce the impacts, if necessary?	(a)Y	(a) The project will not adversely affect the living conditions of inhabitants. If necessary, adequate measures are considered to reduce the impacts.
	(3) Heritage	(b) Is there a possibility that the project will damage the local archeological, historical, cultural, and religious heritage? Are adequate measures considered to protect these sites in accordance with the country's laws?	(a)Y	(a) The project will not damage valuable local archeological, historical, cultural, and religious heritage.
	(4) Landscape	(a) Is there a possibility that the project will adversely affect the local landscape? Are necessary measures taken? (b) Is there a possibility that landscape is spoiled by construction of high-rise buildings such as huge hotels?	(a)Y (b)Y	(a) The project will not adversely affect the local landscape. (b) There is no possibility that landscape is spoiled.
	(5) Ethnic Minorities and Indigenous Peoples	(a) Are considerations given to reduce impacts on the culture and lifestyle of ethnic minorities and indigenous peoples? (b) Are all of the rights of ethnic minorities and indigenous peoples in relation to land and resources respected?	(a)Y (b)Y	(a)Not applicable (b)Not applicable
	(6) Working Conditions	(a) Is the project proponent not violating any laws and ordinances associated with the working conditions of the country which the project proponent should observe in the project? (b) Are tangible safety considerations in place for individuals involved in the project, such as the installation of safety equipment which prevents industrial accidents, and management of hazardous materials? (c) Are intangible measures being planned and implemented for individuals involved in the project, such as the establishment of a safety and health program, and safety training (including traffic safety and public health) for workers etc.? (d) Are appropriate measures taken to ensure that security guards involved in the project not to violate safety of other individuals involved, or local residents?	(a)Y (b)Y (c)Y (d)Y	(a) It is not violating any laws and ordinances associated with the working conditions. (b) Tangible safety considerations are taken. (c) Intangible safety considerations are planned and implemented. (d) Appropriate measures are taken to ensure safety.
5 Others	(1) Impacts during Construction	(a) Are adequate measures considered to reduce impacts during construction (e.g., noise, vibrations, turbid water, dust, exhaust gases, and wastes)? (b) If construction activities adversely affect the natural environment (ecosystem), are adequate measures considered to reduce impacts? (c) If construction activities adversely affect the social environment, are adequate measures considered to reduce impacts?	(a)Y (b)Y (c)Y	(a) Adequate measures are considered to reduce impacts during construction. (b) It does not adversely affect the natural environment. (c) It does not adversely affect the social environment.
	(2) Monitoring	(a) Does the proponent develop and implement monitoring program for the environmental items that are considered to have potential impacts? (b) What are the items, methods and frequencies of the monitoring program? (c) Does the proponent establish an adequate monitoring framework (organization, personnel, equipment, and adequate budget to sustain the monitoring framework)? (d) Are any regulatory requirements pertaining to the monitoring report system identified, such as the format and frequency of reports from the proponent to the regulatory authorities?	(a)Y (b)Y (c)Y (d)Y	(a)No item that are considered to have potential impacts in environmental items (b)Not applicable (c)Not applicable (d)Not applicable
6 Note	Reference to Checklist of Other Sectors	(a) Where necessary, pertinent items described in the Roads, Railways and Bridges checklist should also be checked (e.g., projects including access roads to the infrastructure facilities). (b) For projects, such as installation of telecommunication cables, p	(a)Y (b)Y	(a) No need to refer the other checklist (b)Not applicable
	Note on Using Environmental Checklist	(a) If necessary, the impacts to transboundary or global issues should be confirmed (e.g., the project includes factors that may cause problems, such as transboundary waste treatment, acid rain, destruction of the ozone layer, or global warming).	(a)Y	(a)Not applicable

1) Regarding the term "Country's Standards" mentioned in the above table, in the event that environmental standards in the country where the project is located diverge significantly from international standards, appropriate environmental considerations are required to be made. In cases where local environmental regulations are yet to be established in some areas, considerations should be made based on comparisons with appropriate standards of other countries (including Japan's experience).

2) Environmental checklist provides general environmental items to be checked. It may be necessary to add or delete an item taking into account the characteristics of the project and the particular circumstances of the country and locality in which the project is located.

Site name :(3) Diyala (Balad Ros)		(Environmental Checklists 27. Other Infrastructure)		
Category	Environmental Item	Main Check Items	Yes: Y No : N	Confirmation of Environmental Considerations (Reasons, Mitigation Measures)
1 Permits and Explanation	(1) EIA and Environmental Permits	(a) Have EIA reports been already prepared in official process? (b) Have EIA reports been approved by authorities of the host country's government? (c) Have EIA reports been unconditionally approved? if there are some conditions, is it fulfilled? (d) In addition to the above approvals, have other required environmental permits been obtained from the appropriate regulatory authorities of the host country's government?	(a)Y (b)Y (c)Y (d)Y	(a) (b) (c) (d)
	(2) Explanation to the Local Stakeholders	(a) Have contents of the project and the potential impacts been adequately explained to the Local stakeholders based on appropriate procedures, including information disclosure? Is understanding obtained from the Local stakeholders? (b) Have the comments from the stakeholders (such as local residents) been reflected to the project design?	(a)Y (b)Y	(a) Contents have been adequately explained to the Local stakeholders and understanding been obtained the Local stakeholders. (b) The comments have been reflected adequately.
	(3) Examination of Alternatives	(a) Have alternative plans of the project been examined with social and environmental considerations?	(a)Y	(a) Not applicable
2 Contamination	(1) Air Quality	(a) Do air pollutants, (such as sulfur oxides (SOx), nitrogen oxides (NOx), and soot and dust) emitted from the proposed infrastructure facilities and ancillary facilities comply with the country's emission standards and ambient air quality standards? Are any mitigating measures taken? (b) Are electric and heat source at accommodation used fuel which emission factor is low?	(a)Y (b)Y	(a) They comply with the country's emission standards and ambient air quality standards. (b) Fuel which emission factor is low is used.
	(2) Water Quality	(a) Do effluents or leachates from various facilities, such as infrastructure facilities and the ancillary facilities comply with the country's effluent standards and ambient water quality standards?	(a)Y	(a) They comply with the country's emission standards and ambient air quality standards.
	(3) Wastes	(a) Are wastes from the infrastructure facilities and ancillary facilities properly treated and disposed of in accordance with the country's regulations?	(a)Y	(a) They are properly treated and disposed of in accordance with the country's regulations
	(4) Soil Contamination	(a) Are adequate measures taken to prevent contamination of soil and groundwater by the effluents or leachates from the infrastructure facilities and the ancillary facilities?	(a)Y	(a) Adequate measures are taken to prevent contamination of soil and groundwater
	(5) Noise and Vibration	(a) Do noise and vibrations comply with the country's standards?	(a)Y	(a) They comply with the country's standards
	(6) Subsidence	(a) In the case of extraction of a large volume of groundwater, is there a possibility that the extraction of groundwater will cause	(a)Y	(a) There is no possibility that the extraction of groundwater will cause subsidence.
	(7) Odor	(a) Are there any odor sources? Are adequate odor control measures taken?	(a)Y	(a) There are no odor sources.
3 Natural Environment	(1) Protected Areas	(a) Is the project site or discharge area located in protected areas designated by the country's laws or international treaties and conventions? Is there a possibility that the project will affect the protected areas?	(a)Y	(a) It is not located in protected areas
	(2) Ecosystem	(a) Does the project site encompass primeval forests, tropical rain forests, ecologically valuable habitats (e.g., coral reefs, mangroves, or tidal flats)? (b) Does the project site encompass the protected habitats of endangered species designated by the country's laws or international treaties and conventions? (c) If there is a possibility that the project will significantly affect ecosystem, are any measure taken to reduce the affection to ecosystem? (d) Is there a possibility that the amount of water (e.g., surface water, groundwater) used by the project will adversely affect aquatic environments, such as rivers? Are adequate measures taken to reduce the impacts on aquatic environments, such as aquatic organisms?	(a)Y (b)Y (c)Y (d)Y	(a) It does not encompass ecologically valuable habitats. (b) It does not encompass habitats of endangered species. (c) the project will not significantly affect ecosystem. (d) It will not adversely affect aquatic environments.
	(3) Hydrology	(a) Is there a possibility that hydrologic changes due to the project will adversely affect surface water and groundwater flows?	(a)Y	(a) There are no hydrologic changes.
	(4) Topography and Geology	(a) Is there a possibility the project will cause large-scale alteration of the topographic features and geologic structures in the project site and surrounding areas?	(a)Y	(a) It will not cause large-scale alteration of the topographic features and geologic structures
4 Social Environment	(1) Resettlement	(a) Is involuntary resettlement caused by project implementation? If involuntary resettlement is caused, are efforts made to minimize the impacts caused by the resettlement? (b) Is adequate explanation on compensation and resettlement assistance given to affected people prior to resettlement? (c) Is the resettlement plan, including compensation with full replacement costs, restoration of livelihoods and living standards developed based on socioeconomic studies on resettlement? (d) Is the compensations going to be paid prior to the resettlement? (e) Is the compensation policies prepared in document? (f) Does the resettlement plan pay particular attention to vulnerable groups or people, including women, children, the elderly, people below the poverty line, ethnic minorities, and indigenous peoples? (g) Are agreements with the affected people obtained prior to resettlement? (h) Is the organizational framework established to properly implement resettlement? Are the capacity and budget secured to implement the plan? (i) Are any plans developed to monitor the impacts of resettlement? (j) Is the grievance redress mechanism established?	(a)Y (b)Y (c)Y (d)Y (e)Y (f)Y (g)Y (h)Y (i)Y (j)Y	(a) It will not cause involuntary resettlement. (b) Not applicable (c) Not applicable (d) Not applicable (e) Not applicable (f) Not applicable (g) Not applicable (h) Not applicable (i) Not applicable (j) Not applicable

4 Social Environment	(2) Living and Livelihood	(a) Is there a possibility that the project will adversely affect the living conditions of inhabitants? Are adequate measures considered to reduce the impacts, if necessary?	(a)Y	(a) The project will not adversely affect the living conditions of inhabitants. If necessary, adequate measures are considered to reduce the impacts.
	(3) Heritage	(b) Is there a possibility that the project will damage the local archeological, historical, cultural, and religious heritage? Are adequate measures considered to protect these sites in accordance with the country's laws?	(a)Y	(a) The project will not damage valuable local archeological, historical, cultural, and religious heritage.
	(4) Landscape	(a) Is there a possibility that the project will adversely affect the local landscape? Are necessary measures taken? (b) Is there a possibility that landscape is spoiled by construction of high-rise buildings such as huge hotels?	(a)Y (b)Y	(a) The project will not adversely affect the local landscape. (b) There is no possibility that landscape is spoiled.
	(5) Ethnic Minorities and Indigenous Peoples	(a) Are considerations given to reduce impacts on the culture and lifestyle of ethnic minorities and indigenous peoples? (b) Are all of the rights of ethnic minorities and indigenous peoples in relation to land and resources respected?	(a)Y (b)Y	(a)Not applicable (b)Not applicable
	(6) Working Conditions	(a) Is the project proponent not violating any laws and ordinances associated with the working conditions of the country which the project proponent should observe in the project? (b) Are tangible safety considerations in place for individuals involved in the project, such as the installation of safety equipment which prevents industrial accidents, and management of hazardous materials? (c) Are intangible measures being planned and implemented for individuals involved in the project, such as the establishment of a safety and health program, and safety training (including traffic safety and public health) for workers etc.? (d) Are appropriate measures taken to ensure that security guards involved in the project not to violate safety of other individuals involved, or local residents?	(a)Y (b)Y (c)Y (d)Y	(a) It is not violating any laws and ordinances associated with the working conditions. (b) Tangible safety considerations are taken. (c) Intangible safety considerations are planned and implemented. (d) Appropriate measures are taken to ensure safety.
	5 Others	(1) Impacts during Construction	(a) Are adequate measures considered to reduce impacts during construction (e.g., noise, vibrations, turbid water, dust, exhaust gases, and wastes)? (b) If construction activities adversely affect the natural environment (ecosystem), are adequate measures considered to reduce impacts? (c) If construction activities adversely affect the social environment, are adequate measures considered to reduce impacts?	(a)Y (b)Y (c)Y
(2) Monitoring		(a) Does the proponent develop and implement monitoring program for the environmental items that are considered to have potential impacts? (b) What are the items, methods and frequencies of the monitoring program? (c) Does the proponent establish an adequate monitoring framework (organization, personnel, equipment, and adequate budget to sustain the monitoring framework)? (d) Are any regulatory requirements pertaining to the monitoring report system identified, such as the format and frequency of reports from the proponent to the regulatory authorities?	(a)Y (b)Y (c)Y (d)Y	(a)No item that are considered to have potential impacts in environmental items (b)Not applicable (c)Not applicable (d)Not applicable
6 Note	Reference to Checklist of Other Sectors	(a) Where necessary, pertinent items described in the Roads, Railways and Bridges checklist should also be checked (e.g., projects including access roads to the infrastructure facilities). (b) For projects, such as installation of telecommunication cables, p	(a)Y (b)Y	(a) No need to refer the other checklist (b)Not applicable
	Note on Using Environmental Checklist	(a) If necessary, the impacts to transboundary or global issues should be confirmed (e.g., the project includes factors that may cause problems, such as transboundary waste treatment, acid rain, destruction of the ozone layer, or global warming).	(a)Y	(a)Not applicable

1) Regarding the term "Country's Standards" mentioned in the above table, in the event that environmental standards in the country where the project is located diverge significantly from international standards, appropriate environmental considerations are required to be made. In cases where local environmental regulations are yet to be established in some areas, considerations should be made based on comparisons with appropriate standards of other countries (including Japan's experience).

2) Environmental checklist provides general environmental items to be checked. It may be necessary to add or delete an item taking into account the characteristics of the project and the particular circumstances of the country and locality in which the project is located.

Site name: (4) Babil (Al Musaab)		(Environmental Checklists 27. Other Infrastructure)		
Category	Environmental Item	Main Check Items	Yes: Y No : N	Confirmation of Environmental Considerations (Reasons, Mitigation Measures)
1 Permits and Explanation	(1) EIA and Environmental Permits	(a) Have EIA reports been already prepared in official process? (b) Have EIA reports been approved by authorities of the host country's government? (c) Have EIA reports been unconditionally approved? if there are some conditions, is it fulfilled? (d) In addition to the above approvals, have other required environmental permits been obtained from the appropriate regulatory authorities of the host country's government?	(a)Y (b)Y (c)Y (d)Y	(a) (b) (c) (d)
	(2) Explanation to the Local Stakeholders	(a) Have contents of the project and the potential impacts been adequately explained to the Local stakeholders based on appropriate procedures, including information disclosure? Is understanding obtained from the Local stakeholders? (b) Have the comments from the stakeholders (such as local residents) been reflected to the project design?	(a)Y (b)Y	(a) Contents have been adequately explained to the Local stakeholders and understanding been obtained the Local stakeholders. (b) The comments have been reflected adequately.
	(3) Examination of Alternatives	(a) Have alternative plans of the project been examined with social and environmental considerations?	(a)Y	(a) Not applicable
2 Contamination	(1) Air Quality	(a) Do air pollutants, (such as sulfur oxides (SOx), nitrogen oxides (NOx), and soot and dust) emitted from the proposed infrastructure facilities and ancillary facilities comply with the country's emission standards and ambient air quality standards? Are any mitigating measures taken? (b) Are electric and heat source at accommodation used fuel which emission factor is low?	(a)Y (b)Y	(a) They comply with the country's emission standards and ambient air quality standards. (b) Fuel which emission factor is low is used.
	(2) Water Quality	(a) Do effluents or leachates from various facilities, such as infrastructure facilities and the ancillary facilities comply with the country's effluent standards and ambient water quality standards?	(a)Y	(a) They comply with the country's emission standards and ambient air quality standards.
	(3) Wastes	(a) Are wastes from the infrastructure facilities and ancillary facilities properly treated and disposed of in accordance with the country's regulations?	(a)Y	(a) They are properly treated and disposed of in accordance with the country's regulations
	(4) Soil Contamination	(a) Are adequate measures taken to prevent contamination of soil and groundwater by the effluents or leachates from the infrastructure facilities and the ancillary facilities?	(a)Y	(a) Adequate measures are taken to prevent contamination of soil and groundwater
	(5) Noise and Vibration	(a) Do noise and vibrations comply with the country's standards?	(a)Y	(a) They comply with the country's standards
	(6) Subsidence	(a) In the case of extraction of a large volume of groundwater, is there a possibility that the extraction of groundwater will cause subsidence?	(a)Y	(a) There is no possibility that the extraction of groundwater will cause subsidence.
	(7) Odor	(a) Are there any odor sources? Are adequate odor control measures taken?	(a)Y	(a) There are no odor sources.
3 Natural Environment	(1) Protected Areas	(a) Is the project site or discharge area located in protected areas designated by the country's laws or international treaties and conventions? Is there a possibility that the project will affect the protected areas?	(a)Y	(a) It is not located in protected areas
	(2) Ecosystem	(a) Does the project site encompass primeval forests, tropical rain forests, ecologically valuable habitats (e.g., coral reefs, mangroves, or tidal flats)? (b) Does the project site encompass the protected habitats of endangered species designated by the country's laws or international treaties and conventions? (c) If there is a possibility that the project will significantly affect ecosystem, are any measure taken to reduce the affection to ecosystem? (d) Is there a possibility that the amount of water (e.g., surface water, groundwater) used by the project will adversely affect aquatic environments, such as rivers? Are adequate measures taken to reduce the impacts on aquatic environments, such as aquatic organisms?	(a)Y (b)Y (c)Y (d)Y	(a) It does not encompass ecologically valuable habitats. (b) It does not encompass habitats of endangered species. (c) the project wil not significantly affect ecosystem. (d) It will not adversely affect aquatic environments.
	(3) Hydrology	(a) Is there a possibility that hydrologic changes due to the project will adversely affect surface water and groundwater flows?	(a)Y	(a) There are no hydrologic changes.
	(4) Topography and Geology	(a) Is there a possibility the project will cause large-scale alteration of the topographic features and geologic structures in the project site and surrounding areas?	(a)Y	(a) It will not cause large-scale alteration of the topographic features and geologic structures
4 Social Environment	(1) Resettlement	(a) Is involuntary resettlement caused by project implementation? If involuntary resettlement is caused, are efforts made to minimize the impacts caused by the resettlement? (b) Is adequate explanation on compensation and resettlement assistance given to affected people prior to resettlement? (c) Is the resettlement plan, including compensation with full replacement costs, restoration of livelihoods and living standards developed based on socioeconomic studies on resettlement? (d) Is the compensations going to be paid prior to the resettlement? (e) Is the compensation policies prepared in document? (f) Does the resettlement plan pay particular attention to vulnerable groups or people, including women, children, the elderly, people below the poverty line, ethnic minorities, and indigenous peoples? (g) Are agreements with the affected people obtained prior to resettlement? (h) Is the organizational framework established to properly implement resettlement? Are the capacity and budget secured to implement the plan? (i) Are any plans developed to monitor the impacts of resettlement? (j) Is the grievance redress mechanism established?	(a)Y (b)Y (c)Y (d)Y (e)Y (f)Y (g)Y (h)Y (i)Y (j)Y	(a) It will not cause involuntary resettlement. (b) Not applicable (c) Not applicable (d) Not applicable (e) Not applicable (f) Not applicable (g) Not applicable (h) Not applicable (i) Not applicable (j) Not applicable

4 Social Environment	(2) Living and Livelihood	(a) Is there a possibility that the project will adversely affect the living conditions of inhabitants? Are adequate measures considered to reduce the impacts, if necessary?	(a)Y	(a) The project will not adversely affect the living conditions of inhabitants. If necessary, adequate measures are considered to reduce the impacts.
	(3) Heritage	(b) Is there a possibility that the project will damage the local archeological, historical, cultural, and religious heritage? Are adequate measures considered to protect these sites in accordance with the country's laws?	(a)Y	(a) The project will not damage valuable local archeological, historical, cultural, and religious heritage.
	(4) Landscape	(a) Is there a possibility that the project will adversely affect the local landscape? Are necessary measures taken? (b) Is there a possibility that landscape is spoiled by construction of high-rise buildings such as huge hotels?	(a)Y (b)Y	(a) The project will not adversely affect the local landscape. (b) There is no possibility that landscape is spoiled.
	(5) Ethnic Minorities and Indigenous Peoples	(a) Are considerations given to reduce impacts on the culture and lifestyle of ethnic minorities and indigenous peoples? (b) Are all of the rights of ethnic minorities and indigenous peoples in relation to land and resources respected?	(a)Y (b)Y	(a)Not applicable (b)Not applicable
	(6) Working Conditions	(a) Is the project proponent not violating any laws and ordinances associated with the working conditions of the country which the project proponent should observe in the project? (b) Are tangible safety considerations in place for individuals involved in the project, such as the installation of safety equipment which prevents industrial accidents, and management of hazardous materials? (c) Are intangible measures being planned and implemented for individuals involved in the project, such as the establishment of a safety and health program, and safety training (including traffic safety and public health) for workers etc.? (d) Are appropriate measures taken to ensure that security guards involved in the project not to violate safety of other individuals involved, or local residents?	(a)Y (b)Y (c)Y (d)Y	(a) It is not violating any laws and ordinances associated with the working conditions. (b) Tangible safety considerations are taken. (c) Intangible safety considerations are planned and implemented. (d) Appropriate measures are taken to ensure safety.
5 Others	(1) Impacts during Construction	(a) Are adequate measures considered to reduce impacts during construction (e.g., noise, vibrations, turbid water, dust, exhaust gases, and wastes)? (b) If construction activities adversely affect the natural environment (ecosystem), are adequate measures considered to reduce impacts? (c) If construction activities adversely affect the social environment, are adequate measures considered to reduce impacts?	(a)Y (b)Y (c)Y	(a) Adequate measures are considered to reduce impacts during construction. (b) It does not adversely affect the natural environment. (c) It does not adversely affect the social environment.
	(2) Monitoring	(a) Does the proponent develop and implement monitoring program for the environmental items that are considered to have potential impacts? (b) What are the items, methods and frequencies of the monitoring program? (c) Does the proponent establish an adequate monitoring framework (organization, personnel, equipment, and adequate budget to sustain the monitoring framework)? (d) Are any regulatory requirements pertaining to the monitoring report system identified, such as the format and frequency of reports from the proponent to the regulatory authorities?	(a)Y (b)Y (c)Y (d)Y	(a)No item that are considered to have potential impacts in environmental items (b)Not applicable (c)Not applicable (d)Not applicable
6 Note	Reference to Checklist of Other Sectors	(a) Where necessary, pertinent items described in the Roads, Railways and Bridges checklist should also be checked (e.g., projects including access roads to the infrastructure facilities). (b) For projects, such as installation of telecommunication cables, p	(a)Y (b)Y	(a) No need to refer the other checklist (b)Not applicable
	Note on Using Environmental Checklist	(a) If necessary, the impacts to transboundary or global issues should be confirmed (e.g., the project includes factors that may cause problems, such as transboundary waste treatment, acid rain, destruction of the ozone layer, or global warming).	(a)Y	(a)Not applicable

1) Regarding the term "Country's Standards" mentioned in the above table, in the event that environmental standards in the country where the project is located diverge significantly from international standards, appropriate environmental considerations are required to be made. In cases where local environmental regulations are yet to be established in some areas, considerations should be made based on comparisons with appropriate standards of other countries (including Japan's experience).

2) Environmental checklist provides general environmental items to be checked. It may be necessary to add or delete an item taking into account the characteristics of the project and the particular circumstances of the country and locality in which the project is located.

Site name :(5) Karbalaa (Hindia)

(Environmental Checklists 27. Other Infrastructure)

Category	Environmental Item	Main Check Items	Yes: Y No : N	Confirmation of Environmental Considerations (Reasons, Mitigation Measures)
1 Permits and Explanation	(1) EIA and Environmental Permits	(a) Have EIA reports been already prepared in official process? (b) Have EIA reports been approved by authorities of the host country's government? (c) Have EIA reports been unconditionally approved? if there are some conditions, is it fulfilled? (d) In addition to the above approvals, have other required environmental permits been obtained from the appropriate regulatory authorities of the host country's government?	(a)Y (b)Y (c)Y (d)Y	(a) (b) (c) (d)
	(2) Explanation to the Local Stakeholders	(a) Have contents of the project and the potential impacts been adequately explained to the Local stakeholders based on appropriate procedures, including information disclosure? Is understanding obtained from the Local stakeholders? (b) Have the comments from the stakeholders (such as local residents) been reflected to the project design?	(a)Y (b)Y	(a) Contents have been adequately explained to the Local stakeholders and understanding been obtained the Local stakeholders. (b) The comments have been reflected adequately.
	(3) Examination of Alternatives	(a) Have alternative plans of the project been examined with social and environmental considerations?	(a)Y	(a) Not applicable
2 Contamination	(1) Air Quality	(a) Do air pollutants, (such as sulfur oxides (SOx), nitrogen oxides (NOx), and soot and dust) emitted from the proposed infrastructure facilities and ancillary facilities comply with the country's emission standards and ambient air quality standards? Are any mitigating measures taken? (b) Are electric and heat source at accommodation used fuel which emission factor is low?	(a)Y (b)Y	(a) They comply with the country's emission standards and ambient air quality standards. (b) Fuel which emission factor is low is used.
	(2) Water Quality	(a) Do effluents or leachates from various facilities, such as infrastructure facilities and the ancillary facilities comply with the country's effluent standards and ambient water quality standards?	(a)Y	(a) They comply with the country's emission standards and ambient air quality standards.
	(3) Wastes	(a) Are wastes from the infrastructure facilities and ancillary facilities properly treated and disposed of in accordance with the country's regulations?	(a)Y	(a) They are properly treated and disposed of in accordance with the country's regulations
	(4) Soil Contamination	(a) Are adequate measures taken to prevent contamination of soil and groundwater by the effluents or leachates from the infrastructure facilities and the ancillary facilities?	(a)Y	(a) Adequate measures are taken to prevent contamination of soil and groundwater
	(5) Noise and Vibration	(a) Do noise and vibrations comply with the country's standards?	(a)Y	(a) They comply with the country's standards
	(6) Subsidence	(a) In the case of extraction of a large volume of groundwater, is there a possibility that the extraction of groundwater will cause	(a)Y	(a) There is no possibility that the extraction of groundwater will cause subsidence.
	(7) Odor	(a) Are there any odor sources? Are adequate odor control measures taken?	(a)Y	(a) There are no odor sources.
3 Natural Environment	(1) Protected Areas	(a) Is the project site or discharge area located in protected areas designated by the country's laws or international treaties and conventions? Is there a possibility that the project will affect the protected areas?	(a)Y	(a) It is not located in protected areas
	(2) Ecosystem	(a) Does the project site encompass primeval forests, tropical rain forests, ecologically valuable habitats (e.g., coral reefs, mangroves, or tidal flats)? (b) Does the project site encompass the protected habitats of endangered species designated by the country's laws or international treaties and conventions? (c) If there is a possibility that the project will significantly affect ecosystem, are any measure taken to reduce the affection to ecosystem? (d) Is there a possibility that the amount of water (e.g., surface water, groundwater) used by the project will adversely affect aquatic environments, such as rivers? Are adequate measures taken to reduce the impacts on aquatic environments, such as aquatic organisms?	(a)Y (b)Y (c)Y (d)Y	(a) It does not encompass ecologically valuable habitats. (b) It does not encompass habitats of endangered species. (c) the project wil not significantly affect ecosystem. (d) It will not adversely affect aquatic environments.
	(3) Hydrology	(a) Is there a possibility that hydrologic changes due to the project will adversely affect surface water and groundwater flows?	(a)Y	(a) There are no hydrologic changes.
	(4) Topography and Geology	(a) Is there a possibility the project will cause large-scale alteration of the topographic features and geologic structures in the project site and surrounding areas?	(a)Y	(a) It will not cause large-scale alteration of the topographic features and geologic structures
4 Social Environment	(1) Resettlement	(a) Is involuntary resettlement caused by project implementation? If involuntary resettlement is caused, are efforts made to minimize the impacts caused by the resettlement? (b) Is adequate explanation on compensation and resettlement assistance given to affected people prior to resettlement? (c) Is the resettlement plan, including compensation with full replacement costs, restoration of livelihoods and living standards developed based on socioeconomic studies on resettlement? (d) Is the compensations going to be paid prior to the resettlement? (e) Is the compensation policies prepared in document? (f) Does the resettlement plan pay particular attention to vulnerable groups or people, including women, children, the elderly, people below the poverty line, ethnic minorities, and indigenous peoples? (g) Are agreements with the affected people obtained prior to resettlement? (h) Is the organizational framework established to properly implement resettlement? Are the capacity and budget secured to implement the plan? (i) Are any plans developed to monitor the impacts of resettlement? (j) Is the grievance redress mechanism established?	(a)Y (b)Y (c)Y (d)Y (e)Y (f)Y (g)Y (h)Y (i)Y (j)Y	(a) It will not cause involuntary resettlement. (b) Not applicable (c) Not applicable (d) Not applicable (e) Not applicable (f) Not applicable (g) Not applicable (h) Not applicable (i) Not applicable (j) Not applicable

4 Social Environment	(2) Living and Livelihood	(a) Is there a possibility that the project will adversely affect the living conditions of inhabitants? Are adequate measures considered to reduce the impacts, if necessary?	(a)Y	(a) The project will not adversely affect the living conditions of inhabitants. If necessary, adequate measures are considered to reduce the impacts.
	(3) Heritage	(b) Is there a possibility that the project will damage the local archeological, historical, cultural, and religious heritage? Are adequate measures considered to protect these sites in accordance with the country's laws?	(a)Y	(a) The project will not damage valuable local archeological, historical, cultural, and religious heritage.
	(4) Landscape	(a) Is there a possibility that the project will adversely affect the local landscape? Are necessary measures taken? (b) Is there a possibility that landscape is spoiled by construction of high-rise buildings such as huge hotels?	(a)Y (b)Y	(a) The project will not adversely affect the local landscape. (b) There is no possibility that landscape is spoiled.
	(5) Ethnic Minorities and Indigenous Peoples	(a) Are considerations given to reduce impacts on the culture and lifestyle of ethnic minorities and indigenous peoples? (b) Are all of the rights of ethnic minorities and indigenous peoples in relation to land and resources respected?	(a)Y (b)Y	(a)Not applicable (b)Not applicable
	(6) Working Conditions	(a) Is the project proponent not violating any laws and ordinances associated with the working conditions of the country which the project proponent should observe in the project? (b) Are tangible safety considerations in place for individuals involved in the project, such as the installation of safety equipment which prevents industrial accidents, and management of hazardous materials? (c) Are intangible measures being planned and implemented for individuals involved in the project, such as the establishment of a safety and health program, and safety training (including traffic safety and public health) for workers etc.? (d) Are appropriate measures taken to ensure that security guards involved in the project not to violate safety of other individuals involved, or local residents?	(a)Y (b)Y (c)Y (d)Y	(a) It is not violating any laws and ordinances associated with the working conditions. (b) Tangible safety considerations are taken. (c) Intangible safety considerations are planned and implemented. (d) Appropriate measures are taken to ensure safety.
5 Others	(1) Impacts during Construction	(a) Are adequate measures considered to reduce impacts during construction (e.g., noise, vibrations, turbid water, dust, exhaust gases, and wastes)? (b) If construction activities adversely affect the natural environment (ecosystem), are adequate measures considered to reduce impacts? (c) If construction activities adversely affect the social environment, are adequate measures considered to reduce impacts?	(a)Y (b)Y (c)Y	(a) Adequate measures are considered to reduce impacts during construction. (b) It does not adversely affect the natural environment. (c) It does not adversely affect the social environment.
	(2) Monitoring	(a) Does the proponent develop and implement monitoring program for the environmental items that are considered to have potential impacts? (b) What are the items, methods and frequencies of the monitoring program? (c) Does the proponent establish an adequate monitoring framework (organization, personnel, equipment, and adequate budget to sustain the monitoring framework)? (d) Are any regulatory requirements pertaining to the monitoring report system identified, such as the format and frequency of reports from the proponent to the regulatory authorities?	(a)Y (b)Y (c)Y (d)Y	(a)No item that are considered to have potential impacts in environmental items (b)Not applicable (c)Not applicable (d)Not applicable
6 Note	Reference to Checklist of Other Sectors	(a) Where necessary, pertinent items described in the Roads, Railways and Bridges checklist should also be checked (e.g., projects including access roads to the infrastructure facilities). (b) For projects, such as installation of telecommunication cables, p	(a)Y (b)Y	(a) No need to refer the other checklist (b)Not applicable
	Note on Using Environmental Checklist	(a) If necessary, the impacts to transboundary or global issues should be confirmed (e.g., the project includes factors that may cause problems, such as transboundary waste treatment, acid rain, destruction of the ozone layer, or global warming).	(a)Y	(a)Not applicable

1) Regarding the term "Country's Standards" mentioned in the above table, in the event that environmental standards in the country where the project is located diverge significantly from international standards, appropriate environmental considerations are required to be made. In cases where local environmental regulations are yet to be established in some areas, considerations should be made based on comparisons with appropriate standards of other countries (including Japan's experience).

2) Environmental checklist provides general environmental items to be checked. It may be necessary to add or delete an item taking into account the characteristics of the project and the particular circumstances of the country and locality in which the project is located.

Site name :(6) Theeqar (Al Ashatra)		(Environmental Checklists 27. Other Infrastructure)		
Category	Environmental Item	Main Check Items	Yes: Y No : N	Confirmation of Environmental Considerations (Reasons, Mitigation Measures)
1 Permits and Explanation	(1) EIA and Environmental Permits	(a) Have EIA reports been already prepared in official process? (b) Have EIA reports been approved by authorities of the host country's government? (c) Have EIA reports been unconditionally approved? if there are some conditions, is it fulfilled? (d) In addition to the above approvals, have other required environmental permits been obtained from the appropriate regulatory authorities of the host country's government?	(a)Y (b)Y (c)Y (d)Y	(a) (b) (c) (d)
	(2) Explanation to the Local Stakeholders	(a) Have contents of the project and the potential impacts been adequately explained to the Local stakeholders based on appropriate procedures, including information disclosure? Is understanding obtained from the Local stakeholders? (b) Have the comments from the stakeholders (such as local residents) been reflected to the project design?	(a)Y (b)Y	(a) Contents have been adequately explained to the Local stakeholders and understanding been obtained the Local stakeholders. (b) The comments have been reflected adequately.
	(3) Examination of Alternatives	(a) Have alternative plans of the project been examined with social and environmental considerations?	(a)Y	(a) Not applicable
2 Contamination	(1) Air Quality	(a) Do air pollutants, (such as sulfur oxides (SOx), nitrogen oxides (NOx), and soot and dust) emitted from the proposed infrastructure facilities and ancillary facilities comply with the country's emission standards and ambient air quality standards? Are any mitigating measures taken? (b) Are electric and heat source at accommodation used fuel which emission factor is low?	(a)Y (b)Y	(a) They comply with the country's emission standards and ambient air quality standards. (b) Fuel which emission factor is low is used.
	(2) Water Quality	(a) Do effluents or leachates from various facilities, such as infrastructure facilities and the ancillary facilities comply with the country's effluent standards and ambient water quality standards?	(a)Y	(a) They comply with the country's emission standards and ambient air quality standards.
	(3) Wastes	(a) Are wastes from the infrastructure facilities and ancillary facilities properly treated and disposed of in accordance with the country's regulations?	(a)Y	(a) They are properly treated and disposed of in accordance with the country's regulations
	(4) Soil Contamination	(a) Are adequate measures taken to prevent contamination of soil and groundwater by the effluents or leachates from the infrastructure facilities and the ancillary facilities?	(a)Y	(a) Adequate measures are taken to prevent contamination of soil and groundwater
	(5) Noise and Vibration	(a) Do noise and vibrations comply with the country's standards?	(a)Y	(a) They comply with the country's standards
	(6) Subsidence	(a) In the case of extraction of a large volume of groundwater, is there a possibility that the extraction of groundwater will cause subsidence?	(a)Y	(a) There is no possibility that the extraction of groundwater will cause subsidence.
	(7) Odor	(a) Are there any odor sources? Are adequate odor control measures taken?	(a)Y	(a) There are no odor sources.
3 Natural Environment	(1) Protected Areas	(a) Is the project site or discharge area located in protected areas designated by the country's laws or international treaties and conventions? Is there a possibility that the project will affect the protected areas?	(a)Y	(a) It is not located in protected areas
	(2) Ecosystem	(a) Does the project site encompass primeval forests, tropical rain forests, ecologically valuable habitats (e.g., coral reefs, mangroves, or tidal flats)? (b) Does the project site encompass the protected habitats of endangered species designated by the country's laws or international treaties and conventions? (c) If there is a possibility that the project will significantly affect ecosystem, are any measure taken to reduce the affection to ecosystem? (d) Is there a possibility that the amount of water (e.g., surface water, groundwater) used by the project will adversely affect aquatic environments, such as rivers? Are adequate measures taken to reduce the impacts on aquatic environments, such as aquatic organisms?	(a)Y (b)Y (c)Y (d)Y	(a) It does not encompass ecologically valuable habitats. (b) It does not encompass habitats of endangered species. (c) the project wil not significantly affect ecosystem. (d) It will not adversely affect aquatic environments.
	(3) Hydrology	(a) Is there a possibility that hydrologic changes due to the project will adversely affect surface water and groundwater flows?	(a)Y	(a) There are no hydrologic changes.
	(4) Topography and Geology	(a) Is there a possibility the project will cause large-scale alteration of the topographic features and geologic structures in the project site and surrounding areas?	(a)Y	(a) It will not cause large-scale alteration of the topographic features and geologic structures
4 Social Environment	(1) Resettlement	(a) Is involuntary resettlement caused by project implementation? If involuntary resettlement is caused, are efforts made to minimize the impacts caused by the resettlement? (b) Is adequate explanation on compensation and resettlement assistance given to affected people prior to resettlement? (c) Is the resettlement plan, including compensation with full replacement costs, restoration of livelihoods and living standards developed based on socioeconomic studies on resettlement? (d) Is the compensations going to be paid prior to the resettlement? (e) Is the compensation policies prepared in document? (f) Does the resettlement plan pay particular attention to vulnerable groups or people, including women, children, the elderly, people below the poverty line, ethnic minorities, and indigenous peoples? (g) Are agreements with the affected people obtained prior to resettlement? (h) Is the organizational framework established to properly implement resettlement? Are the capacity and budget secured to implement the plan? (i) Are any plans developed to monitor the impacts of resettlement? (j) Is the grievance redress mechanism established?	(a)Y (b)Y (c)Y (d)Y (e)Y (f)Y (g)Y (h)Y (i)Y (j)Y	(a) It will not cause involuntary resettlement. (b) Not applicable (c) Not applicable (d) Not applicable (e) Not applicable (f) Not applicable (g) Not applicable (h) Not applicable (i) Not applicable (j) Not applicable

4 Social Environment	(2) Living and Livelihood	(a) Is there a possibility that the project will adversely affect the living conditions of inhabitants? Are adequate measures considered to reduce the impacts, if necessary?	(a)Y	(a) The project will not adversely affect the living conditions of inhabitants. If necessary, adequate measures are considered to reduce the impacts.
	(3) Heritage	(b) Is there a possibility that the project will damage the local archeological, historical, cultural, and religious heritage? Are adequate measures considered to protect these sites in accordance with the country's laws?	(a)Y	(a) The project will not damage valuable local archeological, historical, cultural, and religious heritage.
	(4) Landscape	(a) Is there a possibility that the project will adversely affect the local landscape? Are necessary measures taken? (b) Is there a possibility that landscape is spoiled by construction of high-rise buildings such as huge hotels?	(a)Y (b)Y	(a) The project will not adversely affect the local landscape. (b) There is no possibility that landscape is spoiled.
	(5) Ethnic Minorities and Indigenous Peoples	(a) Are considerations given to reduce impacts on the culture and lifestyle of ethnic minorities and indigenous peoples? (b) Are all of the rights of ethnic minorities and indigenous peoples in relation to land and resources respected?	(a)Y (b)Y	(a)Not applicable (b)Not applicable
	(6) Working Conditions	(a) Is the project proponent not violating any laws and ordinances associated with the working conditions of the country which the project proponent should observe in the project? (b) Are tangible safety considerations in place for individuals involved in the project, such as the installation of safety equipment which prevents industrial accidents, and management of hazardous materials? (c) Are intangible measures being planned and implemented for individuals involved in the project, such as the establishment of a safety and health program, and safety training (including traffic safety and public health) for workers etc.? (d) Are appropriate measures taken to ensure that security guards involved in the project not to violate safety of other individuals involved, or local residents?	(a)Y (b)Y (c)Y (d)Y	(a) It is not violating any laws and ordinances associated with the working conditions. (b) Tangible safety considerations are taken. (c) Intangible safety considerations are planned and implemented. (d) Appropriate measures are taken to ensure safety.
5 Others	(1) Impacts during Construction	(a) Are adequate measures considered to reduce impacts during construction (e.g., noise, vibrations, turbid water, dust, exhaust gases, and wastes)? (b) If construction activities adversely affect the natural environment (ecosystem), are adequate measures considered to reduce impacts? (c) If construction activities adversely affect the social environment, are adequate measures considered to reduce impacts?	(a)Y (b)Y (c)Y	(a) Adequate measures are considered to reduce impacts during construction. (b) It does not adversely affect the natural environment. (c) It does not adversely affect the social environment.
	(2) Monitoring	(a) Does the proponent develop and implement monitoring program for the environmental items that are considered to have potential impacts? (b) What are the items, methods and frequencies of the monitoring program? (c) Does the proponent establish an adequate monitoring framework (organization, personnel, equipment, and adequate budget to sustain the monitoring framework)? (d) Are any regulatory requirements pertaining to the monitoring report system identified, such as the format and frequency of reports from the proponent to the regulatory authorities?	(a)Y (b)Y (c)Y (d)Y	(a)No item that are considered to have potential impacts in environmental items (b)Not applicable (c)Not applicable (d)Not applicable
6 Note	Reference to Checklist of Other Sectors	(a) Where necessary, pertinent items described in the Roads, Railways and Bridges checklist should also be checked (e.g., projects including access roads to the infrastructure facilities). (b) For projects, such as installation of telecommunication cables, p	(a)Y (b)Y	(a) No need to refer the other checklist (b)Not applicable
	Note on Using Environmental Checklist	(a) If necessary, the impacts to transboundary or global issues should be confirmed (e.g., the project includes factors that may cause problems, such as transboundary waste treatment, acid rain, destruction of the ozone layer, or global warming).	(a)Y	(a)Not applicable

1) Regarding the term "Country's Standards" mentioned in the above table, in the event that environmental standards in the country where the project is located diverge significantly from international standards, appropriate environmental considerations are required to be made. In cases where local environmental regulations are yet to be established in some areas, considerations should be made based on comparisons with appropriate standards of other countries (including Japan's experience).

2) Environmental checklist provides general environmental items to be checked. It may be necessary to add or delete an item taking into account the characteristics of the project and the particular circumstances of the country and locality in which the project is located.

Site name : (7) Basra (Al Mdaina)

(Environmental Checklists 27. Other Infrastructure)

Category	Environmental Item	Main Check Items	Yes: Y No : N	Confirmation of Environmental Considerations (Reasons, Mitigation Measures)
1 Permits and Explanation	(1) EIA and Environmental Permits	(a) Have EIA reports been already prepared in official process? (b) Have EIA reports been approved by authorities of the host country's government? (c) Have EIA reports been unconditionally approved? if there are some conditions, is it fulfilled? (d) In addition to the above approvals, have other required environmental permits been obtained from the appropriate regulatory authorities of the host country's government?	(a)Y (b)Y (c)Y (d)Y	(a) (b) (c) (d)
	(2) Explanation to the Local Stakeholders	(a) Have contents of the project and the potential impacts been adequately explained to the Local stakeholders based on appropriate procedures, including information disclosure? Is understanding obtained from the Local stakeholders? (b) Have the comments from the stakeholders (such as local residents) been reflected to the project design?	(a)Y (b)Y	(a) Contents have been adequately explained to the Local stakeholders and understanding been obtained the Local stakeholders. (b) The comments have been reflected adequately.
	(3) Examination of Alternatives	(a) Have alternative plans of the project been examined with social and environmental considerations?	(a)Y	(a) Not applicable
2 Contamination	(1) Air Quality	(a) Do air pollutants, (such as sulfur oxides (SOx), nitrogen oxides (NOx), and soot and dust) emitted from the proposed infrastructure facilities and ancillary facilities comply with the country's emission standards and ambient air quality standards? Are any mitigating measures taken? (b) Are electric and heat source at accommodation used fuel which emission factor is low?	(a)Y (b)Y	(a) They comply with the country's emission standards and ambient air quality standards. (b) Fuel which emission factor is low is used.
	(2) Water Quality	(a) Do effluents or leachates from various facilities, such as infrastructure facilities and the ancillary facilities comply with the country's effluent standards and ambient water quality standards?	(a)Y	(a) They comply with the country's emission standards and ambient air quality standards.
	(3) Wastes	(a) Are wastes from the infrastructure facilities and ancillary facilities properly treated and disposed of in accordance with the country's regulations?	(a)Y	(a) They are properly treated and disposed of in accordance with the country's regulations
	(4) Soil Contamination	(a) Are adequate measures taken to prevent contamination of soil and groundwater by the effluents or leachates from the infrastructure facilities and the ancillary facilities?	(a)Y	(a) Adequate measures are taken to prevent contamination of soil and groundwater
	(5) Noise and Vibration	(a) Do noise and vibrations comply with the country's standards?	(a)Y	(a) They comply with the country's standards
	(6) Subsidence	(a) In the case of extraction of a large volume of groundwater, is there a possibility that the extraction of groundwater will cause subsidence?	(a)Y	(a) There is no possibility that the extraction of groundwater will cause subsidence.
	(7) Odor	(a) Are there any odor sources? Are adequate odor control measures taken?	(a)Y	(a) There are no odor sources.
3 Natural Environment	(1) Protected Areas	(a) Is the project site or discharge area located in protected areas designated by the country's laws or international treaties and conventions? Is there a possibility that the project will affect the protected areas?	(a)Y	(a) It is not located in protected areas
	(2) Ecosystem	(a) Does the project site encompass primeval forests, tropical rain forests, ecologically valuable habitats (e.g., coral reefs, mangroves, or tidal flats)? (b) Does the project site encompass the protected habitats of endangered species designated by the country's laws or international treaties and conventions? (c) If there is a possibility that the project will significantly affect ecosystem, are any measure taken to reduce the affection to ecosystem? (d) Is there a possibility that the amount of water (e.g., surface water, groundwater) used by the project will adversely affect aquatic environments, such as rivers? Are adequate measures taken to reduce the impacts on aquatic environments, such as aquatic organisms?	(a)Y (b)Y (c)Y (d)Y	(a) It does not encompass ecologically valuable habitats. (b) It does not encompass habitats of endangered species. (c) the project will not significantly affect ecosystem. (d) It will not adversely affect aquatic environments.
	(3) Hydrology	(a) Is there a possibility that hydrologic changes due to the project will adversely affect surface water and groundwater flows?	(a)Y	(a) There are no hydrologic changes.
	(4) Topography and Geology	(a) Is there a possibility the project will cause large-scale alteration of the topographic features and geologic structures in the project site and surrounding areas?	(a)Y	(a) It will not cause large-scale alteration of the topographic features and geologic structures
4 Social Environment	(1) Resettlement	(a) Is involuntary resettlement caused by project implementation? If involuntary resettlement is caused, are efforts made to minimize the impacts caused by the resettlement? (b) Is adequate explanation on compensation and resettlement assistance given to affected people prior to resettlement? (c) Is the resettlement plan, including compensation with full replacement costs, restoration of livelihoods and living standards developed based on socioeconomic studies on resettlement? (d) Is the compensations going to be paid prior to the resettlement? (e) Is the compensation policies prepared in document? (f) Does the resettlement plan pay particular attention to vulnerable groups or people, including women, children, the elderly, people below the poverty line, ethnic minorities, and indigenous peoples? (g) Are agreements with the affected people obtained prior to resettlement? (h) Is the organizational framework established to properly implement resettlement? Are the capacity and budget secured to implement the plan? (i) Are any plans developed to monitor the impacts of resettlement? (j) Is the grievance redress mechanism established?	(a)Y (b)Y (c)Y (d)Y (e)Y (f)Y (g)Y (h)Y (i)Y (j)Y	(a) It will not cause involuntary resettlement. (b) Not applicable (c) Not applicable (d) Not applicable (e) Not applicable (f) Not applicable (g) Not applicable (h) Not applicable (i) Not applicable (j) Not applicable

4 Social Environment	(2) Living and Livelihood	(a) Is there a possibility that the project will adversely affect the living conditions of inhabitants? Are adequate measures considered to reduce the impacts, if necessary?	(a)Y	(a) The project will not adversely affect the living conditions of inhabitants. If necessary, adequate measures are considered to reduce the impacts.
	(3) Heritage	(b) Is there a possibility that the project will damage the local archeological, historical, cultural, and religious heritage? Are adequate measures considered to protect these sites in accordance with the country's laws?	(a)Y	(a) The project will not damage valuable local archeological, historical, cultural, and religious heritage.
	(4) Landscape	(a) Is there a possibility that the project will adversely affect the local landscape? Are necessary measures taken? (b) Is there a possibility that landscape is spoiled by construction of high-rise buildings such as huge hotels?	(a)Y (b)Y	(a) The project will not adversely affect the local landscape. (b) There is no possibility that landscape is spoiled.
	(5) Ethnic Minorities and Indigenous Peoples	(a) Are considerations given to reduce impacts on the culture and lifestyle of ethnic minorities and indigenous peoples? (b) Are all of the rights of ethnic minorities and indigenous peoples in relation to land and resources respected?	(a)Y (b)Y	(a)Not applicable (b)Not applicable
	(6) Working Conditions	(a) Is the project proponent not violating any laws and ordinances associated with the working conditions of the country which the project proponent should observe in the project? (b) Are tangible safety considerations in place for individuals involved in the project, such as the installation of safety equipment which prevents industrial accidents, and management of hazardous materials? (c) Are intangible measures being planned and implemented for individuals involved in the project, such as the establishment of a safety and health program, and safety training (including traffic safety and public health) for workers etc.? (d) Are appropriate measures taken to ensure that security guards involved in the project not to violate safety of other individuals involved, or local residents?	(a)Y (b)Y (c)Y (d)Y	(a) It is not violating any laws and ordinances associated with the working conditions. (b) Tangible safety considerations are taken. (c) Intangible safety considerations are planned and implemented. (d) Appropriate measures are taken to ensure safety.
5 Others	(1) Impacts during Construction	(a) Are adequate measures considered to reduce impacts during construction (e.g., noise, vibrations, turbid water, dust, exhaust gases, and wastes)? (b) If construction activities adversely affect the natural environment (ecosystem), are adequate measures considered to reduce impacts? (c) If construction activities adversely affect the social environment, are adequate measures considered to reduce impacts?	(a)Y (b)Y (c)Y	(a) Adequate measures are considered to reduce impacts during construction. (b) It does not adversely affect the natural environment. (c) It does not adversely affect the social environment.
	(2) Monitoring	(a) Does the proponent develop and implement monitoring program for the environmental items that are considered to have potential impacts? (b) What are the items, methods and frequencies of the monitoring program? (c) Does the proponent establish an adequate monitoring framework (organization, personnel, equipment, and adequate budget to sustain the monitoring framework)? (d) Are any regulatory requirements pertaining to the monitoring report system identified, such as the format and frequency of reports from the proponent to the regulatory authorities?	(a)Y (b)Y (c)Y (d)Y	(a)No item that are considered to have potential impacts in environmental items (b)Not applicable (c)Not applicable (d)Not applicable
6 Note	Reference to Checklist of Other Sectors	(a) Where necessary, pertinent items described in the Roads, Railways and Bridges checklist should also be checked (e.g., projects including access roads to the infrastructure facilities). (b) For projects, such as installation of telecommunication cables, p	(a)Y (b)Y	(a) No need to refer the other checklist (b)Not applicable
	Note on Using Environmental Checklist	(a) If necessary, the impacts to transboundary or global issues should be confirmed (e.g., the project includes factors that may cause problems, such as transboundary waste treatment, acid rain, destruction of the ozone layer, or global warming).	(a)Y	(a)Not applicable

1) Regarding the term "Country's Standards" mentioned in the above table, in the event that environmental standards in the country where the project is located diverge significantly from international standards, appropriate environmental considerations are required to be made. In cases where local environmental regulations are yet to be established in some areas, considerations should be made based on comparisons with appropriate standards of other countries (including Japan's experience).

2) Environmental checklist provides general environmental items to be checked. It may be necessary to add or delete an item taking into account the characteristics of the project and the particular circumstances of the country and locality in which the project is located.

Appendix-11: Cost for Site Preparation, External Works and
External Security in Each Site

Site Condition	Sahleaddin Al Ashurjat	Kirank Kirank	Diyala Bafid Ros	Babil Al Mutsab	Karbala Hinda	Thesgar Al Ashara	Basra Al Madina
Site area (m2)	30,000	60,000	50,000	40,000	50,000	65,000	74,300
Others	No data	- Power supplied - Water / Sewage / Gas line not installed	No data	- Power supplied along Front road - Gas/Sewage/Water line not installed - Railway line running near by (but no station)	- Power supplied along Front road - Water treatment station - Water pipe (250mm) installed 250m distant - Water and drainage canals along Site in the rear - Gas not supplied - Sewage not installed (nearest sewage is about 1km distant)	- Power supplied - Water / Sewage / Gas line not installed	- Power supplied along the southern road - Sewage / Gas line not installed - Old water pipe located nearby
Site preparation & External works (inside site)							
A. Land filling							
(a) Land filling	1	1	1	1			
(b) Filling height(m)							
(c) Unit price(USD/m3)	9.40	9.40	9.40	9.40			
(d)=a*b*c	282,051	564,103	470,085	376,068	1,410,256	1,776,923	2,095,641
B. Land levelling							
(e) Unit price(USD/m2)	2.11	2.11	2.11	2.11	2.11	2.11	2.11
(f)=a*e	63,374	126,748	105,623	84,498	105,623	133,085	156,956
C. Landscaping							
(g) Building area(m2)	15,000	15,000	15,000	15,000	15,000	15,000	15,000
(h) Unit price(USD/m2)	17.09	17.09	17.09	17.09	17.09	17.09	17.09
(i)=g*h	256,410	256,410	256,410	256,410	256,410	256,410	256,410
D. External luminaire							
(j) Unit price(USD/m2)	8.55	8.55	8.55	8.55	8.55	8.55	8.55
(k)=a*j	128,205	128,205	128,205	128,205	128,205	128,205	128,205
(l)=a+k	750,040	1,844,696	1,473,144	1,101,592	2,413,315	3,140,777	3,773,110
External security (outside site)							
E. Security fence(3m height)							
(m) Length of fence(m)	695	1,000	900	800	906	1,080	1,143
(n) Unit price(USD/m)	700	700	700	700	700	700	700
(o)=m*n	486,500	700,000	630,000	560,000	634,200	721,000	800,100
F. T-wall 1m long							
(p) Length of fence(m)	695	1,000	900	800	906	1,080	1,143
(q) Unit price(USD/m)	500	500	500	500	500	500	500
(r)=p*q	347,500	500,000	450,000	400,000	453,000	515,000	571,500
G. CCTV system with 6posts							
(s) Quantity(sets)	1	1	1	1	1	1	1
(t) Unit price(USD/set)	15,000	15,000	15,000	15,000	15,000	15,000	15,000
(u)=s*t	15,000	15,000	15,000	15,000	15,000	15,000	15,000
H. Site outside security 24 hours							
(v) Month	27	27	27	27	27	27	27
(w) Unit price(USD/month)	150,000	150,000	150,000	130,000	130,000	100,000	100,000
(x)=v*w	4,050,000	4,050,000	4,050,000	3,510,000	3,510,000	2,700,000	2,700,000
Total	4,899,000	5,285,000	5,145,000	4,485,000	4,612,200	3,951,000	4,086,600

Appendix-12: Survey Data on Existing Hospitals at Each Site

Governorate	Salaheddin		Kirkuk		Diyala		Al-Musabih		Babil		Karbala		Thiqar		Basra		Average	Notes
	Al-Ashraf General Hospital	Secondary	Azad General Hospital	Tertiary	Blad Ras General Hospital	Primary	Al-Musabih General Hospital	Primary	Al-Zahra Obstetrics Hospital	Primary	Hadi General Hospital	Primary	Al-Ashraf General Hospital	Secondary	Al-Midina General Hospital	Secondary		
Primary/ Secondary / Tertiary	Total	50	425	72	63	58	40	50	32	171	206	109	89	173	136.6		Answers to question no.8 of the Questionnaire.	
	Total number of beds	44	342	56	50	50	40	50	32	122	170	89	89	133	29.1		Answers to question no.6 of the Questionnaire.	
Per 100 beds	Internal medicine	10	82	12	20	12	12	12	12	12	16	16	16	35	23.0		Answers to question no.15 of the Questionnaire.	
	General surgery	0	6	6	6	6	6	6	6	6	6	6	6	6	6.0		As for Kirkuk, the total number of beds (QB) does not match the sum of the number of beds by ward (Q.9), or the sum of beds by clinical departments and special units (Q.5), therefore we take the total number of beds (QB) as true the number of entire hospital.	
	Dermatology	0	6	6	6	6	6	6	6	6	6	6	6	6	6.0			
	Pediatrics	10	46	17	6	6	6	6	6	6	6	6	6	6	6.0			
	Psychiatry	6	6	6	6	6	6	6	6	6	6	6	6	6	6.0			
	Orthopedics	12	6	6	6	6	6	6	6	6	6	6	6	6	6.0			
	Plastic surgery	6	6	6	6	6	6	6	6	6	6	6	6	6	6.0			
	E.N.T.	4	6	6	6	6	6	6	6	6	6	6	6	6	6.0			
	Urology	14	6	6	6	6	6	6	6	6	6	6	6	6	6.0			
	Neurosurgery	14	6	6	6	6	6	6	6	6	6	6	6	6	6.0			
	Ophthalmology	10	74	9	6	6	6	6	6	6	6	6	6	6	6.0			
	Obstetrics and Gynecology	6	12	9	9	9	9	9	9	9	9	9	9	9	9.0			
	Special units	6	12	16	13	13	13	13	13	13	13	13	13	13	13.0			
	ICU	6	12	16	13	13	13	13	13	13	13	13	13	13	13.0			
	CCU	4	4	4	4	4	4	4	4	4	4	4	4	4	4.0			
NICU	8	8	8	8	8	8	8	8	8	8	8	8	8	8.0				
PICU	6	6	6	6	6	6	6	6	6	6	6	6	6	6.0				
Emergency care	6	6	6	6	6	6	6	6	6	6	6	6	6	6.0				
Others	6	6	6	6	6	6	6	6	6	6	6	6	6	6.0				
Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100.0			
Outpatients	General beds	88.0	80.5	77.8	79.4	69.0	64.0	64.0	64.0	71.3	82.5	81.7	76.9	79.8	16.7		Calculated the number of beds by clinical departments and types of special unit per 100 beds of each hospital for a comparison of the bed composition between the hospitals.	
	Internal medicine	20.0	19.3	16.7	31.7	0.0	0.0	0.0	0.0	0.0	11.7	15.5	16.5	17.3	14.4			
	General surgery	20.0	14.1	16.7	19.0	0.0	0.0	0.0	0.0	0.0	7.0	7.8	14.7	20.2	0.2			
	Dermatology	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.6			
	Pediatrics	20.0	10.8	23.6	0.0	69.0	0.0	23.4	30.6	33.9	23.1	0.0	0.0	0.0	0.2			
	Psychiatry	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3			
	Orthopedics	0.0	2.8	8.3	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2			
	Plastic surgery	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7			
	E.N.T.	0.0	4.2	0.0	9.5	0.0	0.0	0.0	0.0	0.0	3.5	3.9	0.0	0.0	0.0			
	Urology	8.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9			
	Neurosurgery	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5			
	Ophthalmology	0.0	2.8	0.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
	Obstetrics and Gynecology	20.0	17.4	12.5	0.0	0.0	0.0	64.0	18.7	17.0	16.5	16.2	16.9	16.9	17.8			
	Special units	12.0	2.8	22.2	20.6	31.0	36.0	36.0	36.0	36.0	28.7	17.5	18.3	23.1	0.1			
	ICU	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1			
CCU	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7				
NICU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
PICU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
Emergency beds	12.0	0.0	22.2	20.6	17.2	12.0	12.0	12.0	12.0	17.0	7.8	18.3	23.1	14.3				
Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
Number of business days	312	312	365	365	360	365	365	365	365	329	365	365	365	327			Answers to question no.22 of the Questionnaire.	
Annual total number of outpatients	185,640	30,993	32,115	120,354	47,203	1,338	168,835	144,664	330,992	54,190	402.3	402.3	402.3	402.3			Calculated by dividing the total number of outpatients is the sum of outpatients on each day in the year.	
Number of patients per day	595	99	88	330	131	4	463	440	907	225	365	365	365	365			Answers to question no.23 of the Questionnaire. Annual total number of inpatients is the sum of the number of inpatients on each day in the year. The average length of stay is considered to be calculated in different ways from common way.	
Annual total number of inpatients	17,620	33,945	9,808	13,077	10,575	1,300	24,992	18,980	17,616	21,900	56.0	56.0	56.0	56.0			Answers to question no.15 of the Questionnaire.	
Average length of stay of inpatients	6	2	2	3	2	2	2	2	4	2	2	4	2	2			However, it is not the annual average, it is a momentary number at the time of investigation.	
Number of inpatients per day	48	93	27	36	29	4	68	52	48	60	65.5	65.5	65.5	65.5			The bed occupancy rates of entire hospital including general beds and special units, calculated based on the answers to question no.22 of the Questionnaire.	
Total	51.7%	44%	42.8%	53.6%	50.0%	7.1%	40.0%	25.2%	44.0%	85%	42.7%	42.7%	42.7%	42.7%				
Bed occupancy rate	96.0%	21.9%	37.3%	56.9%	50.0%	7.1%	40.0%	25.2%	44.0%	85%	42.7%	42.7%	42.7%	42.7%				
calculated from the total number of inpatients																		

Governorate	Sahlehdin Al Ashruqi General Hospital	Kirkuk Azadi General Hospital	Diyala Baaid Rios General Hospital	Al Musbab General Hospital	Babil Ibn Saff Pediatric Hospital	Babil Al Zuhra Obstetric Hospital	Ibidi Ibidi	Karbala Huda General Hospital	Theeqar Al Ashra General Hospital	Basra Al Midra General Hospital	Average	Notes		
Composition ratio by medical department of outpatients	Internal medicine	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	The composition ratio by medical department, calculated based on the answers of total outpatients by medical department to question no.26 of the Questionnaire.		
	General surgery	6.7%	8.2%	10.5%	5.6%	0.0%	0.0%	4.0%	17.9%	14.1%	26.9%			
	Respiratory	0.0%	0.0%	0.0%	6.7%	0.0%	0.0%	4.7%	16.5%	9.1%	24.1%			
	Cardiology	0.0%	1.9%	0.0%	5.2%	0.0%	0.0%	3.7%	24.4%	0.0%	0.0%			
	Gastroenterology	5.4%	1.3%	0.0%	5.6%	0.0%	0.0%	3.9%	1.0%	0.0%	0.0%			
	Nephrology and Diabetes	0.0%	0.0%	0.0%	7.4%	0.0%	0.0%	5.2%	2.8%	0.0%	0.0%			
	Neurology	0.0%	0.0%	0.0%	7.7%	0.0%	0.0%	5.4%	2.7%	0.0%	0.0%			
	Oncology	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
	Dermatology	19.2%	1.2%	0.0%	11.1%	0.0%	0.0%	7.9%	2.0%	8.0%	6.0%			
	Pediatrics	34.6%	11.9%	13.9%	0.0%	7.4%	0.0%	21.1%	1.5%	20.0%	30.5%			
	Psychiatry	0.0%	6.0%	0.0%	1.3%	0.0%	0.0%	0.9%	0.0%	0.0%	0.0%			
	Orthopedics	0.0%	3.2%	11.5%	9.6%	0.0%	0.0%	6.8%	6.0%	10.4%	28.9%			
	Plastic surgery	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%			
	E.N.T.	0.0%	7.2%	5.8%	13.3%	0.0%	0.0%	9.4%	9.6%	3.9%	0.0%			
	Urology	0.0%	3.7%	0.0%	5.2%	0.0%	0.0%	8.7%	6.8%	0.0%	0.0%			
	Neurosurgery	0.0%	6.4%	7.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%			
	Ophthalmology	5.5%	2.7%	0.0%	13.7%	0.0%	0.0%	9.7%	5.3%	7.9%	0.0%			
	Obstetrics and Gynecology	18.0%	25.0%	7.7%	0.0%	0.0%	100.0%	0.8%	1.7%	2.5%	26.9%			
	Dental	0.0%	4.4%	7.3%	7.6%	5.6%	0.0%	7.0%	1.9%	5.1%	3.7%			
	Anesthesiology	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
	Radiology	0.0%	0.0%	26.2%	0.0%	8.1%	0.0%	2.3%	0.0%	6.4%	5.0%			
	Others	0.0%	0.0%	0.0%	0.0%	12.0%	0.0%	3.4%	0.0%	12.5%	2.3%			
	Composition ratio by medical department of inpatients	Internal medicine	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%		100.0%	The composition ratio by medical department, calculated based on the answers of total inpatients by medical department to question no.26 of the Questionnaire.
		General surgery	4.8%	12.7%	17.9%	13.0%	0.0%	0.0%	9.2%	13.4%	8.4%		20.7%	
		Respiratory	17.6%	14.8%	10.5%	25.1%	0.0%	0.0%	17.7%	6.4%	6.5%		11.5%	
		Cardiology	0.0%	0.0%	0.0%	4.8%	0.0%	0.0%	3.4%	0.0%	0.0%		0.5%	
		Gastroenterology	6.9%	0.1%	0.0%	10.2%	0.0%	0.0%	7.2%	0.0%	0.0%		1.2%	
Nephrology and Diabetes		0.0%	0.0%	0.0%	4.1%	0.0%	0.0%	2.9%	0.0%	0.0%	1.4%			
Neurology		0.0%	0.0%	0.0%	3.1%	0.0%	0.0%	2.2%	0.0%	0.0%	0.3%			
Oncology		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
Dermatology		4.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%			
Pediatrics		23.7%	15.4%	10.6%	0.0%	100.0%	0.0%	21.7%	28.6%	36.6%	30.3%			
Psychiatry		0.0%	0.0%	0.0%	6.4%	0.0%	0.0%	4.5%	2.5%	0.0%	1.3%			
Orthopedics		0.0%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%			
Plastic surgery		0.0%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%			
E.N.T.		0.0%	3.0%	0.0%	5.3%	0.0%	0.0%	3.7%	2.1%	0.0%	1.3%			
Urology		0.0%	1.3%	0.0%	16.9%	0.0%	0.0%	11.9%	0.0%	0.0%	1.9%			
Neurosurgery		0.0%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%			
Ophthalmology		20.3%	0.5%	0.0%	11.0%	0.0%	0.0%	7.8%	0.2%	0.0%	4.1%			
Obstetrics and Gynecology		22.4%	40.0%	31.0%	0.0%	100.0%	0.0%	7.8%	45.4%	48.5%	41.7%			
Dental		0.0%	5.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%			
Anesthesiology		0.0%	0.0%	2.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%			
Radiology		0.0%	0.0%	27.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.9%			
Others		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

Government	Sulthaidin Al Ashrafi General Hospital	Kfukuk Azad General Hospital	Diyala Bakd Ros General Hospital	Bagd Al Musab Hospital	Ibn Saif Pediatric Hospital	Al Zhray Obstetrics Hospital	Tbil Hospital	Karbala Hindia General Hospital	Thesqr Al Ashrafi General Hospital	Bera Al Madani General Hospital	Average
Number of medical doctors	42	42	15	35	13	15	63	44	38	33	36.2
Anesthesia	5	5	2	3	1	2	5	3	1	1	3.0
Gynecology	4	4	2	3	1	2	5	6	6	2	5.4
Total	155	155	20	58	32	49	139	106	205	124	134.8
Number of nurses	75	75	7	56	21	47	124	159	189	112	111.0
Nurses	80	80	13	2	11	2	15	16	12	12	23.8
Assistants/nurses	57	57	25	21	4	19	44	269	144	94	105.5
Number of medical technicians	29	29	1	0	0	14	26	28	11	9	22.0
Pharmacist	2	2	1	0	0	0	2	4	4	2	3.3
Midwife	42	42	73	80	54	25	159	181	101	218	135.7
Number of other staffs	84	84	24	56	26	30	35	30	35	38	34.4
Per 100 beds	310	310	28	92	53	68	81	81	81	88	136.5
Number of medical doctors/bed	150	150	10	89	36	94	73	77	173	69	91.3
Number of nurses/bed	160	160	18	3	19	4	9	3	13	7	35.3
Number of medical technicians/bed	114	114	33	33	7	38	26	131	132	54	81.9
Pharmacist	4	4	1	0	0	0	4	1	2	2	2.6
Midwife	84	84	101	127	93	50	93	88	93	149	101.3
Number of other staffs	14	14	6	9	9	0	7	10	24	17	13.1
Number of outpatients	1	1	2	1	2	0	1	1	1	1	1.8
Number of inpatients	15,000	37,628	96,763	69,308	32,914	464	102,686	425	74,496	118,040	63,576.9
Emergency			6,451	1,980	2,194	31	1,580	10	1,900	9,080	32,399.6
Number of emergency patients per doctor	357	6,743	2,506	3,660	0	243	3,803	5,975	8,404	1,841	4,697
Number of surgical operation	1,207	6,659	540	1,402	19	1,421	3,476	7,546	1,270	2,304	2,304
Minor surgery	426	2,605	610	1,838	26	26	1,862	1,164	322	433	1,124
Medium surgery	1,294	2,862	607	300	78	198	375	1,335	636	40	744
per doctor total	84	607	167	105	16	16	69	136	221	142	134.9
Minor surgery	28	36	10	10	1	1	22	79	199	38	77.0
Medium surgery	10	70	52	2	2	29	26	8	8	29.5	29.5
per doctor total	31	41	14	10	3	5	0	0	0	8	14.1
Minor surgery	14	20	2	2	13	13	4	30	14	3	14.3
Medium surgery	120,295	38,451	44,865	88,263	30,835	1,959	120,548	90,960	100,609	32,254	77,849
per inpatient (outpatient and inpatient)	1	1	1	1	1	1	1	1	1	0	0.59
Number of imaging diagnosis	30,138	9,633	6,219	18,170	9,759	4,320	32,249	14,143	33,501	29,889	21,956
per inpatient (outpatient and inpatient)	0	0	0	0	0	2	0	0	0	0	0.15
Number of deliveries	2,400	9,162	3,089	0	0	1,317	1,317	6,267	7,612	4,035	4,840
per obstetrics doctor	600	600	146	146	146	146	1,045	1,269	2,018	1,015.4	1,015.4
Number of medical equipments	1	1	3	6	1	2	9	4	4	2	4.2
Ultrasound for imaging diagnosis			6	6	2	1	9	4	4	2	5.0
Digital radiography											0.3
Angiography											0.5
Mammography											0.3
Colonoscopy											2.0
Microscope for microsurgery											3.0
Long term ECG analyzer											1.5
Blood gas analyzer											9.0
Ventilator (for adult)											0.5
Automatic monitoring system of respiratory and pulse for premature baby											3.0
Feet monitoring system											8.5
Dental unit											0.5
Autlave											7.5
Dental X ray device (analog)											0.7
Dental X ray device (digital)											3.7
Total square meters of the facility											2.0
Square meters per bed											1.0
Wards	21	2,538	862	862	342	342	1,204	2,423	5,418	2,285.0	2,285.0
Outpatient department	22	4,886	538	538	280	280	1,516	2,274	131	2,332	1,215.0

Answers to question no.17 of the Questionnaire. No data for the empty hospital.

Answers to question no.18 of the Questionnaire. Calculated by adding up the answers to question no.18 of the Questionnaire.

Answers to question no.19 of the Questionnaire. No data for the empty hospital.

Answers to question no.20 of the Questionnaire. No data for the empty hospital.

Answers to question no.21 of the Questionnaire. No data for the empty hospital.

Answers to question no.22 of the Questionnaire. No data for the empty hospital.

Answers to question no.23 of the Questionnaire. No data for the empty hospital.

Answers to question no.24 of the Questionnaire. No data for the empty hospital.

Answers to question no.25 of the Questionnaire. No data for the empty hospital.

Answers to question no.26 of the Questionnaire. No data for the empty hospital.

Answers to question no.27 of the Questionnaire. No data for the empty hospital.

Answers to question no.28 of the Questionnaire. No data for the empty hospital.

Answers to question no.29 of the Questionnaire. No data for the empty hospital.

Answers to question no.30 of the Questionnaire. No data for the empty hospital.

Answers to question no.31 of the Questionnaire. No data for the empty hospital.

Answers to question no.32 of the Questionnaire. No data for the empty hospital.

Answers to question no.33 of the Questionnaire. No data for the empty hospital.

Answers to question no.34 of the Questionnaire. No data for the empty hospital.

Answers to question no.35 of the Questionnaire. No data for the empty hospital.

Answers to question no.36 of the Questionnaire. No data for the empty hospital.

Answers to question no.37 of the Questionnaire. No data for the empty hospital.

Answers to question no.38 of the Questionnaire. No data for the empty hospital.

Answers to question no.39 of the Questionnaire. No data for the empty hospital.

Answers to question no.40 of the Questionnaire. No data for the empty hospital.

Answers to question no.41 of the Questionnaire. No data for the empty hospital.

Answers to question no.42 of the Questionnaire. No data for the empty hospital.

Answers to question no.43 of the Questionnaire. No data for the empty hospital.

Answers to question no.44 of the Questionnaire. No data for the empty hospital.

Answers to question no.45 of the Questionnaire. No data for the empty hospital.

Answers to question no.46 of the Questionnaire. No data for the empty hospital.

Answers to question no.47 of the Questionnaire. No data for the empty hospital.

Answers to question no.48 of the Questionnaire. No data for the empty hospital.

Answers to question no.49 of the Questionnaire. No data for the empty hospital.

Answers to question no.50 of the Questionnaire. No data for the empty hospital.

Answers to question no.51 of the Questionnaire. No data for the empty hospital.

Answers to question no.52 of the Questionnaire. No data for the empty hospital.

Answers to question no.53 of the Questionnaire. No data for the empty hospital.

Answers to question no.54 of the Questionnaire. No data for the empty hospital.

Answers to question no.55 of the Questionnaire. No data for the empty hospital.

Answers to question no.56 of the Questionnaire. No data for the empty hospital.

Answers to question no.57 of the Questionnaire. No data for the empty hospital.

Answers to question no.58 of the Questionnaire. No data for the empty hospital.

Answers to question no.59 of the Questionnaire. No data for the empty hospital.

Answers to question no.60 of the Questionnaire. No data for the empty hospital.

Answers to question no.61 of the Questionnaire. No data for the empty hospital.

Answers to question no.62 of the Questionnaire. No data for the empty hospital.

Answers to question no.63 of the Questionnaire. No data for the empty hospital.

Answers to question no.64 of the Questionnaire. No data for the empty hospital.

Answers to question no.65 of the Questionnaire. No data for the empty hospital.

Appendix-13: Overall Schedule

Implementation Schedule

Year Month	1st Year		2nd Year		3rd Year		4th Year		5th Year		6th Year		7th Year		8th Year	
	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96
L/A Agreement	▲															
Selection of Consultants																
Execution Design																
Tender																
Construction Works																
Maintenance Training of Facility and Utility																
Procurement, Installation, and Maintenance Training of Equipment																
Defect Liability Period																
MOH Site Clearance																

Appendix-14: Reference Data (Economic and Financial Condition,
Health Medical Statistics, The Number of medical and
Educational Students)

14. Reference Data (Economic and Financial Condition, Health Medical Statistics, The Number of Medical and Educational Students)

(1) Economic and financial conditions

1) Trends in GDP

Iraq's economy, though having unstable periods in the past due to wars and economic sanctions, is steadily improving. According to IMF statistics, the country's GDP was approximately 82.1 billion USD in 2010, and was expected to exceed 100 billion USD in 2011.

Trends in GDP and GDP per capita at current prices (2004-2011)¹

Year	GDP Hundred million USD	GDP per capita USD	Growth rate (%)
2004	257.68	950.85	
2005	313.86	1,124.43	-0.73
2006	450.82	1,568.05	6.21
2007	569.87	1,926.26	1.5
2008	865.31	2,845.25	9.52
2009	651.93	2,087.26	4.21
2010	821.15	2,563.54	0.84
2011	1,084.18	3,300.71	9.65

(Source: IMF, April 2011 World Economic Outlook)

2) Anticipated financial revenues

Iraq's National Development Plan, 2010-2014 forecasts future revenue as follows.

a) Oil income

Iraq's economy is mainly financed by oil exports. Accordingly, revenue estimates are dependent mainly upon oil production and income forecasts. Iraq revenue estimates are formulated by a committee consisting of the Ministry of Planning, Ministry of Oil,

Estimated of the anticipated quantity of oil exports (2010-2014)

Year	Exported Quantity 1,000 Barrels/Day	Price Dollar/ Barrel	Export Value in Billions of Iraqi Dinars
2010	2,150	60	55,089.5
2011	2,300	63	61,880.1
2012	2,500	68	72,598.5
2013	2,800	68	81,310.3
2014	3,100	68	90,022.1

*Dollar=1,170 Iraqi Dinars

(Source :NDP (2010-2014))

Ministry of Finance, and the Central Bank of Iraq. The committee's forecast of oil exports from 2010 to 2014 are as shown in the table to the right..

According to expectation of the Ministry of Oil, Oil production and export volumes will further increase from 2012 based on contracts currently negotiated with foreign companies.

¹ Figures for 2011 are estimations.

b) Non-oil income

The plan for non-oil income is as follows:

- Tax revenue: Annual increase of 15%
- Asset distribution of non-oil corporate earnings: Annual increase of 15%
- Nontaxable revenue: 1,800 billion Iraq Dinar annual.

Totals for oil and non-oil incomes are given in the table below. Oil income is expected to go from 55.089 trillion Iraqi Dinar in 2010 to 90.022 trillion Iraqi Dinar in 2014, a 63% increase. Alternate estimates by the Ministry of Oil involving increased production by contracting private enterprises have 2014 figures at 118.808 trillion Iraqi Dinar, for a 115% increase. Non-oil income, on the other hand, is expected to increase 127% from 3.263 trillion Iraqi Dinar in 2010 to 7.404 trillion Iraqi Dinar in 2014.

Anticipated financial revenues (2010-2014)**(Billions of Iraqi Dinar)**

Year	Committee Estimates for Oil Revenues	Non-Oil Revenues	Total(1)	Alternative Oil Estimates	Total(2)
2010	55,089.4	3,263.6	58,353.1	55,089.4	58,353.1
2011	61,880.1	5,628.2	67,507.7	61,880.1	67,507.7
2012	72,598.5	6,354.0	78,952.5	82,506.1	88,860.1
2013	81,310.3	6,846.9	88,157.2	99,006.6	105,853.5
2014	90,022.1	7,404.4	97,426.5	118,808.8	126,213.2
Total			390,397.0		446,787.6
Plan Calculations					
		30% of budget revenues targeted to investment spending		Portion funded by the domestic and foreign private sector	
		Billions of Iraqi Dinars	Billions of Iraqi Dinars	Billions of Iraqi Dinars	Billions of Iraqi Dinars
Total (1)		117,119.1	100.0	152,335.9	130.2
Total (2)		134,036.3	114.5	83,600.7	71.5

(Source: NDP (2010-2014))

Converted to Japanese Yen (1 USD= 83.0 JPY; 1 USD=1,180 ID)

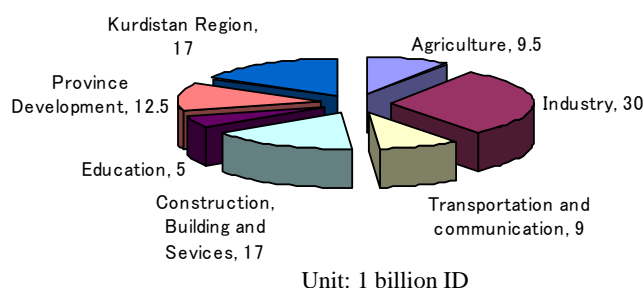
Anticipated financial revenues (2010-2014) converted to Japanese Yen**(Hundred Million Japanese Yen)**

Year	Committee Estimates for Oil Revenues	Non-Oil Revenues	Total(1)	Alternative Oil Estimates	Total (2)
2010	38,749	2,296	41,044.94	38,749	41,044.91
2011	43,526	3,959	47,484.67	43,526	47,484.65
2012	51,065	4,469	55,534.39	58,034	62,503.29
2013	57,193	4,816	62,008.89	69,640	74,456.28
2014	63,321	5,208	68,528.84	83,569	88,777.08
Total			274,601.73		314,266.21
Plan Calculations					
		30% of budget revenues targeted to investment spending		Portion funded by the domestic and foreign private sector	
		Hundred Millions of Yen	Billions of USD	Hundred Millions of Yen	Billions of USD

Total(1)	82,380	100	107,152	130
Total(2)	94,280	114.5	58,804	71.5

(Source: NDP (2010-2014))

3) GDP estimation by activities



Distribution of government investment

Gross domestic product estimates at 1988 prices (2010-2014)

(Billions of Iraqi Dinars)

Activities	Plan Rate of Growth	2009	2010	2011	2012	2013	2014
Crude oil extraction	10.5	22,971.2	25,383.2	28,048.4	30,993.5	34,247.8	37,843.8
Commodity activities							
Agriculture	5.0	4,442.7	4,664.8	4,898.1	5,143.0	5,400.1	5,670.1
Manufacturing	6.3	1,234.9	1,312.7	1,395.4	1,483.3	1,576.8	1,676.1
Electricity, water and gas	15.0	875.8	1,007.2	1,158.2	1,332.0	1,531.8	1,761.5
Building and construction	7.6	1,996.4	2,148.1	2,311.4	2,487.0	2,676.1	2,879.4
Other forms of mining	5.7	105.6	111.6	118.0	124.7	131.8	139.3
Distribution activities							
Transportation, transport and communications	4.0	1,885.0	2,074.8	2,157.8	2,244.1	2,333.9	2,427.2
Wholesale and retail commerce	5.8	3,544.2	3,749.8	3,967.2	4,197.4	4,440.8	4,698.4
Banks and insurance	16.0	904.4	1,049.1	1,217.0	14,117.7	1,637.5	1,899.5
Service activities							
Social services	12.0	9,234.2	10,352.4	11,594.7	12,986.0	14,544.4	16,289.7
Personal services	1.8	615.0	626.1	637.3	648.8	660.5	672.4
Home ownership	7.4	6,725.8	7,223.5	7,758.0	8,332.1	8,948.7	9,610.9
Gross domestic product	9.38	54,654.2	59,780.8	65,388.2	71,521.6	78,230.3	85,568.3

(Source: NDP (2010-2014))

Converted to Japanese Yen (1 USD= 83.0 JPY; 1 USD=1,180 ID)

Gross domestic product estimates at 1988 prices (2010-2014) converted to Japanese Yen
(Hundred Million of Japanese Yen)

Activities	Plan Rate of Growth	2009	2010	2011	2012	2013	2014
Crude oil extraction	10.5	16,158	17,854	19,729	21,801	24,090	26,619
Commodity activities							
Agriculture	5	3,125	3,281	3,445	3,618	3,798	3,988
Manufacturing	6.3	869	923	982	1,043	1,109	1,179
Electricity, water and gas	15	616	708	815	937	1,077	1,239
Building and construction	7.6	1,404	1,511	1,626	1,749	1,882	2,025
Other forms of mining	5.7	74	78	83	88	93	98
Distribution activities							
Transportation, transport and communications	4	1,326	1,459	1,518	1,578	1,642	1,707
Wholesale and retail commerce	5.8	2,493	2,638	2,790	2,952	3,124	3,305
Banks and insurance	16	636	738	856	9,930	1,152	1,336
Service activities							
Social services	12	6,495	7,282	8,156	9,134	10,230	11,458
Personal services	1.8	433	440	448	456	465	473
Home ownership	7.4	4,731	5,081	5,457	5,861	6,294	6,760
Gross domestic product	9.38	38,443	42,049	45,993	50,308	55,026	60,188

(Source: NDP (2010-2014))

Gross domestic product estimates at current prices (2010-2014)

(Billions of Iraqi Dinars)

Activities	2009	2010	2011	2012	2013	2014
Crude oil extraction	101,853,067	138,546,275	188,458,021	256,351,114	348,702,706	474,324,362
Commodity activities						
Agriculture	63,628,081	118,051,475	219,029,487	406,375,963	735,962,663	1,398,863,392
Manufacturing	2,803,947	3,529,029	4,441,607	5,590,132	7,035,928	8,855,160
Electricity, water and gas	1,686,634	2,191,846	2,848,107	3,701,309	4,809,851	6,250,154
Building and construction	9,992,728	14,966,844	22,417,645	33,576,080	50,291,638	75,324,226
Other forms of mining	643,582	976,694	1,482,964	2,250,451	3,415,647	5,183,978
Distribution activities						
Transportation, transport and communications	24,573,784	35,677,203	51,797,783	75,201,691	109,182,507	158,511,873
Wholesale and retail commerce	15,095,310	19,883,887	26,190,671	34,499,455	45,442,524	59,857,775
Banks and insurance	3,097,312	4,368,928	6,162,858	8,692,958	12,261,400	17,295,441
Service activities						
Social services	17,250,472	21,986,796	28,023,520	35,717,481	45,524,324	58,023,382
Personal services	3,851,584	5,160,168	6,912,258	9,260,677	12,406,823	16,621,544
Home ownership	17,181,004	24,578,563	35,161,129	50,300,434	71,958,389	102,941,329
Gross domestic product	261,657,505	389,917,706	592,926,054	921,517,747	1,446,994,401	2,382,052,616

Based on the table of GDP Deflators

(Source: NDP (2010-2014))

Converted to Japanese Yen (1 USD= 83.0 JPY; 1 USD=1,180 ID)

**Gross domestic product estimates at current prices (2010-2014) converted to Japanese Yen
(Hundred Million of Japanese Yen)**

Activities	2009	2010	2011	2012	2013	2014
Crude oil extraction	71,642,411	138,546,274	188,458,020	256,351,114	348,702,706	474,324,361
Commodity activities						
Agriculture	44,755,345	83,036,206	154,063,113	285,840,719	517,668,652	983,946,284
Manufacturing	1,972,267	2,482,282	3,124,181	3,932,042	4,949,000	6,228,629
Electricity, water and gas	1,186,361	1,541,722	2,003,329	2,603,463	3,383,200	4,396,294
Building and construction	7,028,783	10,527,525	15,768,347	23,617,073	35,374,626	52,982,294
Other forms of mining	452,688	686,996	1,043,102	1,582,944	2,402,531	3,646,357
Distribution activities						
Transportation, transport and communications	17,284,950	25,094,981	36,434,033	52,896,104	76,797,864	111,495,639
Wholesale and retail commerce	10,617,887	13,986,123	18,422,251	24,266,565	31,963,809	42,103,350
Banks and insurance	2,178,618	3,073,059	4,334,891	6,114,538	8,624,544	12,165,437
Service activities						
Social services	12,133,806	15,465,288	19,711,458	25,123,313	32,021,346	40,813,056
Personal services	2,709,164	3,629,609	4,862,011	6,513,865	8,726,833	11,691,425
Home ownership	12,084,943	17,288,311	24,731,980	35,380,813	50,614,799	72,407,883
Gross domestic product	184,047,228	274,264,149	417,058,156	648,186,211	1,017,801,146	1,675,511,585

Based on the table of GDP Deflators

(Source: NDP (2010-2014))

GDP deflators (2009-2014)

(Billions of Iraqi Dinar)

Activities	Growth Rate	2009	2010	2011	2012	2013	2014
Crude oil extraction	23.1	4,433.9	5,458.2	6,719.0	8,271.1	10,181.8	12,533.7
Commodity activities							
Agriculture	76.7	14,321.9	25,306.9	44,717.2	79,015.4	139,620.1	246,708.8
Manufacturing	18.4	2,270.6	2,688.4	3,830.0	3,768.7	4,462.2	5,283.2
Electricity, water and gas	13	1,925.8	2,176.2	2,459.1	2,778.8	3,140.0	3,548.2
Building and construction	39.2	5,005.4	6,967.5	9,698.7	13,500.6	18,792.9	26,159.7
Other forms of mining	43.6	6,094.5	8,751.7	12,567.5	18,046.9	25,915.4	37,214.5
Distribution activities							
Transportation, transport and communications	39.6	12,317.7	17,159.5	24,004.9	33,510.8	46,781.1	46,781.1
Wholesale and retail	24.5	4,259.2	5,302.7	6,601.8	8,219.2	10,233.0	12,740.0
Banks and insurance	21.6	3,424.7	4,164.5	5,064.0	6,157.8	7,487.9	9,105.3
Service activities							
Social services	13.8	1,866.3	2,123.8	2,416.9	2,750.5	3,130.0	3,562.0
Personal services	31.6	6,262.7	8,241.8	10,846.2	14,273.5	18,784.0	24,719.7
Home ownership	33.2	2,554.5	3,402.6	4,532.2	6,036.6	8,041.2	10,710.9

(Source: NDP (2010-2014))

(2) Health care statistics**1) Population**

According to the 2009 Annual Report published the Iraqi population stood at 32.32 million and the population growth rate tends to grow and stood at 3.4% as of 2009. The World Bank's Databank shows, on the other hand, that the population increased at an annual rate of 2.5%.

Population by governorate is shown in the table to the right. Approximately 22.7% of the overall population resides in Baghdad governorate, home of the nation's capital. In descending order of population, the governorates are Baghdad, Nineveh, and Basra.

Population by governorate (2009)

Governorate	Population
Baghdad	7,341,257
Basra	2,608,601
Nineveh	3,047,794
Maysan	1,030,306
Diwaniyah	1,124,516
Diyala	1,361,149
Anbar	1,478,226
Babil	1,715,748
Karbala	993,903
Kirkuk	1,223,177
Wasit	1,155,698
Theeqar	1,839,640
Muthanna	710,700
Salaheddin	1,253,539
Najaf	1,215,937
Erbil	985,402
Duhok	1,537,356
Sulaymaniyah	1,703,062
Total	32,326,011

(Source: MOH Annual report 2009)

Demographics (2005-2009)

Indicator	Except Kurdistan region					Iraq
	2005	2006	2007	2008	2009	2009
Population	24,266,172	24,993,110	25,740,552	27,696,606	28,100,191	32,326,011
Population growth rate	3.2	2.5	3	3	3.4	3.4

(Source: MOH Annual report 2009)

2) Mortality rates

In 2009, according to Department of Statistics, Iraq had a mortality rate of 4 and birth rate of 37.5 per 1,000 persons. For every 1,000 births, the infant and under-five mortality rates were 24 and 29.5, respectively. Excluding Kurdish districts, mortality rates tend to decrease versus their peak in 2006 according to statistics for the past 5 years.

Mortality rate and birth rate

Indicator	Except Kurdistan region					Iraq	
	2005	2006	2007	2008	2009	2009	2010
Mortality rate per 1,000 populations	*5.2	7.7	5	5	4	4	4.2
Birth rate per 1,000 populations	37.4	32.9	34	37	38	37.5	40
Infant mortality rate per 1,000 live births	*44.2	53	30	32	25	24	24
Mortality rate of under 5 year children per 1,000 births	*56	64.4	35	36	30	29.5	28.7

*IFHS survey in 2005

(Source: MOH Annual report 2009,

Department of Statistics)

3) Morbidity rates

Major Iraqi morbidity details for 2007 to 2009 are shown in the table below. Gastrointestinal and respiratory illnesses consistently rank high.

Major morbidity (2007-2009)

Lank	2007		2008		2009	
	Disease	%	Disease	%	Disease	%
1	Diarrhea and gastroente	9.3	Diarrhea and gastroente	6.9	Diarrhea and gastroente	6.6
2	Accident	5.5	Bronchitis	3.9	Bronchitis	3.9
3	Bronchitis	3.0	Accident	3.8	Accident	3.6
4	Abortion	2.9	Cardiac disease	3.3	Cardiac disease	3.2
5	Pneumonias	2.8	Pneumonias	3.1	Urinary tract infection	2.8
6	Cardiac disease	2.4	Urinary tract infection	2.6	Abortion	2.4
7	Cancer malignant	1.8	Abortion	2.6	Appendicitis	2.1
8	Ventral hernia	1.3	Cancer malignant	1.6	Measles	1.7
9	Urinary tract infection	1.1	Respiratory Disease	1.4	Hernia	1.6
10	Diabetes	1.1	Cataract	1.0	Respiratory Disease	1.3

(Source : MOH Answer for Questionnaire)

4) Major causes of death

Major causes of death for 2009 in Iraq are shown in the table below. (Reconfirming material for translation)

Major causes of death (2009)

Lank	2009	
	Disease	%
1	Heart failure	12.3
2	Vascular disease	9.4
3	Consequences of external condition	8.1
4	Heart disease	7.8
5	Kidney failure	5.3
6	Ceptic	3.7
7	Insufficient breathing of baby	3.5
8	Senile decay	3.3
9	Diabetic	3.0
10	Gastrointestinal cancer	1.8

(Source : MOH Answer for Questionnaire)

Major causes of death of children under five (2009)

Lank	2009	
	Disease	%
1	Apnea syndrome	17.8
2	Ichorrhemia	10.1
3	Infection	9.5
4	Respiration disturbance	9.4
5	Circulatory disturbance	5.9
6	Cranial neuropathy	3.3
7	Others	3.0
8	Urinary obstruction	2.2
9	Accident	1.8
10	Failure and rejection of transplanted organs and tissues	1.6

(Source : MOH Answer for Questionnaire)

5) Patients with chronic diseases

The number of patients with chronic diseases has increased every year. Those with cardiac disease, high-blood pressure and diabetes, referred to as lifestyle-related diseases, are increasing at especially rapid rates. Salaheddin in particular has a high rate of patients with chronic disease compared to other governorates.

Rate of patients with chronic diseases by governorate (2008-2009)

Governorate	Bronchial asthma		Epilepsy		Cerebrovascular disease		Heart disease		High blood pressure		Diabetes	
	2009	2008	2009	2008	2009	2008	2009	2008	2009	2008	2009	2008
Baghdad	0.7	0.4	0.1	0.1	0.5	0.4	1.4	0.9	1.5	1.4	1.4	1
Basra	1.2	1.8	0.2	0.1	0.8	0.7	2.3	2	1.3	1.3	1.2	1.2
Nineveh	0.6	0.5	0.1	0.1	0.8	0.6	2	1.7	0.6	0.6	0.6	0.7
Maysan	0.3	1	0	0	0.2	0.5	0.6	0.5	0.6	0.9	0.7	1.3
Diwaniyah	3.1	2.6	0.1	0.1	1.1	1.1	1	1.8	0.8	1	1.1	1.5
Diyala	1.2	2.1	0.3	0.7	0.1	0.5	2	1.6	3	2.9	1.2	1.7
Anbar	1.1	1	0.1	0	0.5	0.3	1.3	0.2	1.3	0.4	1.5	0.4
Babil	1.8	3	0.1	0	1.7	1.1	3.2	2.4	3.7	1.6	4.3	1.9
Karbalaa	0.8	0.5	0.2	0.1	1.1	0.7	3.1	2.1	0.3	0.6	1	0.9
Kirkuk	1.1	0.7	0.1	0.1	0.3	0.2	1.3	0.9	1.3	1.4	1.4	1.6
Wasit	0.5	0.9	0.1	0	0.2	0.3	1	0.8	0.3	0.5	0.7	1.2
Theeqar	1.3	1.8	0.1	0	0.4	0.2	2.1	1.6	0.8	1.1	1	0.8
Muthanna	3.7	6.2	0.1	0.1	1.5	1.6	3	3.1	2.1	1.9	1.9	2
Salaheddin	3.3	2.1	0.2	0	0.7	1.2	2.2	1.5	5.1	1.9	3.4	1.5
Najaf	0.5	0.5	0	0	0.8	1	2.6	2.7	0.5	0.5	0.7	0.9
Erbil	0.3	1.7	0.1	N/A	0.5	0.5	0.6	0.8	2.9	3.2	1.4	1
Duhok	0.4	0.1	0.1	N/A	0.7	0.5	1.9	1.5	3.7	2.3	1.9	1.2
Sulaymaniyah	0.5	0.9	0.1	N/A	0.5	0.9	1.2	7.1	2.4	4.6	1.5	2
Rate	1.1	1.2	0.1	0.1	0.7	0.6	1.8	1.7	1.7	1.5	1.5	1.1

(Source: MOH Annual report 2009)

6) Emergency patients

The main reasons for emergency care nationwide are given below according to the Ministry of Health Annual Report for 2009. Except for in Nineveh, traffic accidents are the top reason nationwide. Public safety issues also surface, with gunshot and knife wound victims.

Number of major emergency patient by governorate

Governorate	Traffic accident	Fall from high place	Gunshots	Attack with a sharp	Sexual assault	Other (including emergency patient injured by terrorism)	Total
Baghdad	17,605	11,830	3,424	3,418	5	17,215	53,497
Basra	5,908	4,666	478	3,252	2	5,344	19,650
Nineveh	3,326	3,355	788	1,080	0	3,970	12,519
Maysan	2,053	388	333	130	0	366	3,270
Diwaniyah	1,886	195	87	1,614	5	3,714	7,501
Diyala	2,116	1,225	861	622	0	3,891	8,715
Anbar	3,410	1,437	799	2,250	0	2,022	9,918
Babil	3,204	1,224	352	1,075	0	3,480	9,335
Karbalaa	1,925	535	625	590	0	2,544	6,219
Kirkuk	2,306	1,049	320	954	1	3,652	8,282
Wasit	3,755	811	353	1,284	0	3,061	9,264
Theeqar	3,320	1,199	183	1,321	0	2,142	8,165
Muthanna	821	161	129	278	0	3,524	4,913
Salaheddin	1,794	655	542	481	0	1,423	4,895
Najaf	4,792	1,761	113	1,828	1	1,489	9,984
Erbil	3,125	326	242	376	3	0	4,072
Duhok	2,621	215	151	285	2	0	3,274
Sulaymaniyah	5,238	406	267	561	5	0	6,477
Total	69,205	31,438	10,047	21,399	24	57,837	189,950

(Source: MOH Annual report 2009)

7) Number of surgery

The number of surgeries in each governorate is shown below.

Number of surgery by governorate (each category)

Governorate	Larger surgery	Semi-medium surgery	Medium surgery	Minor surgery	Total
Baghdad	34,911	47,254	61,844	98,326	242,335
Basra	7,120	16,733	21,274	39,521	84,648
Nineveh	12,898	26,299	40,301	26,627	106,125
Maysan	1,484	6,820	4,235	1,542	14,081
Diwaniyah	5,509	7,126	5,508	10,621	28,764
Diyala	4,030	8,060	9,473	6,577	28,140
Anbar	5,030	12,344	14,474	14,166	46,014
Babil	8,912	12,900	16,358	6,488	44,658
Karbala	3,396	5,576	6,791	13,937	29,700
Kirkuk	1,397	8,889	8,358	20,330	38,974
Wasit	2,041	11,504	6,589	13,522	33,656
Theeqar	4,944	7,194	9,917	44,997	67,052
Muthanna	2,428	5,485	3,991	24,300	36,204
Salaheddin	3,710	3,761	7,308	5,418	20,197
Najaf	5,857	11,554	10,668	36,319	64,398
Erbil	1,032	68,033	20,513	6,885	96,463
Duhok	700	11,771	12,848	8,504	33,823
Sulaymaniyah	3,491	19,050	17,117	14,628	54,286
Total	108,890	290,353	277,567	392,708	1,069,518

(Source: MOH Annual report 2009)

Surgeries are classifiable into the following 4 groups:

Large: surgeries requiring full anesthesia, such as open-heart surgery, spiral operation, and lithotomy.

Semi-medium: surgeries requiring full anesthesia, such as laparotomy and thoracotomy

Medium: surgeries of hernia, appendicitis, removal of tonsils, etc.

Minor: wounds of the body

8) Laboratory testing

Laboratory testing² for each governorate is classified as shown below.

Number of laboratory testing by governorate

Governorate	General test	Clinical chemistry	Microorganisms	Parasite	Hematorogy	Total
Baghdad	7,681,811	2,578,683	322,921	164,666	2,059,308	12,807,389
Basra	2,346,187	811,419	164,644	48,867	680,636	4,051,753
Nineveh	3,410,081	736,279	163,594	79,075	895,212	5,284,241
Maysan	725,852	210,059	46,912	54,829	123,207	1,160,859
Diwanayah	1,049,801	471,346	95,873	69,921	189,914	1,876,855
Diyala	884,026	248,214	74,698	38,109	243,150	1,488,197
Anbar	1,512,688	251,060	38,932	25,762	249,180	2,077,622
Babil	1,783,482	492,835	253,747	92,708	413,501	3,036,273
Karbala	679,094	260,454	30,308	43,895	161,471	1,175,222
Kirkuk	1,613,214	362,984	129,310	156,518	475,814	2,737,840
Wasit	739,127	198,081	48,031	72,132	185,135	1,242,506
Theeqar	1,119,938	256,860	41,757	111,377	301,185	1,831,117
Muthanna	568,375	125,859	43,721	53,840	167,539	959,334
Salaheddin	1,135,001	218,734	28,062	158,935	314,971	1,855,703
Najaf	1,527,612	426,102	118,185	92,849	320,116	2,484,864
Erbil	3,220,237	764,717	41,441	227,525	968,373	5,222,293
Duhok	1,487,283	374,128	31,710	248,296	530,278	2,671,695
Sulaymaniyah	4,817,548	1,169,364	388,940	437,137	1,577,971	8,390,960
Total	36,301,357	9,957,178	2,062,786	2,176,441	9,856,961	60,354,723

(Source: MOH Annual report 2009)

Rate of laboratory testing by governorate

Governorate	General test	Clinical chemistry	Microorganisms	Parasite	Hematorogy	Total
Baghdad	60.0%	20.1%	2.5%	1.3%	16.1%	100.0%
Basra	57.9%	20.0%	4.1%	1.2%	16.8%	100.0%
Nineveh	64.5%	13.9%	3.1%	1.5%	16.9%	100.0%
Maysan	62.5%	18.1%	4.0%	4.7%	10.6%	100.0%
Diwanayah	55.9%	25.1%	5.1%	3.7%	10.1%	100.0%
Diyala	59.4%	16.7%	5.0%	2.6%	16.3%	100.0%
Anbar	72.8%	12.1%	1.9%	1.2%	12.0%	100.0%
Babil	58.7%	16.2%	8.4%	3.1%	13.6%	100.0%
Karbala	57.8%	22.2%	2.6%	3.7%	13.7%	100.0%
Kirkuk	58.9%	13.3%	4.7%	5.7%	17.4%	100.0%
Wasit	59.5%	15.9%	3.9%	5.8%	14.9%	100.0%
Theeqar	61.2%	14.0%	2.3%	6.1%	16.4%	100.0%
Muthanna	59.2%	13.1%	4.6%	5.6%	17.5%	100.0%
Salaheddin	61.2%	11.8%	1.5%	8.6%	17.0%	100.0%
Najaf	61.5%	17.1%	4.8%	3.7%	12.9%	100.0%
Erbil	61.7%	14.6%	0.8%	4.4%	18.5%	100.0%
Duhok	55.7%	14.0%	1.2%	9.3%	19.8%	100.0%
Sulaymaniyah	57.4%	13.9%	4.6%	5.2%	18.8%	100.0%
Total	60.1%	16.5%	3.4%	3.6%	16.3%	100.0%

(Source: MOH Annual report 2009)

² On the table, the general test concerns sedimentation, urination, feces, etc.

9) Physiological function testing

The number of physiological function testing³ conducted each governorate is shown below. In some governorates, examinations using MRI and angiography are not conducted at all due to the absence or conditions of the relevant equipment or facilities – that is, regional gaps of medical services are caused among the governorates.

Number of physiological function testing by governorate

Governorate	General test	Endoscopy	Radiology	Ultrasonic	CT	MRI	Angiographic test
Baghdad	1,742,365	13,194	794,657	275,206	120,915	61,737	11,334
Basra	460,132	4,615	240,866	96,663	7,073	626	1,141
Nineveh	738,146	8,009	315,756	218,712	19,290	10,760	1,668
Maysan	143,152	383	92,012	30,318	4,129	0	0
Diwaniyah	266,680	1,279	159,833	60,175	7,076	0	0
Diyala	184,770	1,047	94,600	37,551	2,578	0	0
Anbar	293,743	1,717	159,700	52,324	11,662	1,188	122
Babil	460,559	2,856	178,299	103,312	17,449	4,809	552
Karbala	197,662	1,261	97,419	34,925	4,949	4,315	0
Kirkuk	223,311	1,880	132,316	47,312	4,740	1,620	0
Wasit	251,876	579	139,748	59,545	9,026	0	0
Theeqar	325,206	1,471	147,508	39,745	4,237	403	959
Muthanna	220,956	943	122,518	27,446	645	0	0
Salaheddin	193,847	494	93,700	33,877	5,019	0	235
Najaf	423,777	2,762	166,196	137,215	9,556	10,813	434
Erbil	337,051	8,451	204,321	54,765	9,342	6,532	1,321
Duhok	243,564	3,040	174,926	55,200	13,856	8,900	1,011
Sulaymaniyah	332,141	13,266	176,231	49,861	16,490	9,431	1,623
Total	7,038,938	67,247	3,490,606	1,414,152	268,032	121,134	20,400

(Source: MOH Annual report 2009)

³ On the table, the general test includes physical and other general examinations.

(3) The number of medical and educational students**1) Medical doctors, dentists and pharmaceutical chemists****Number of students at the faculties of medicine, dentistry, and pharmaceutical science in 2009**

Governorate	Dept. of medicine		Dept. of dentistry		Dept. of pharmaceutical science	
	Dept. of medicine (No.) ^{*1}	Graduates (/year)	Dept. of dentistry (No.) ^{*1}	Graduates (/year)	Dept. of Pharmaceutical Science (No.) ^{*1}	Graduates (/year)
Baghdad	4	562	2	286	3	232
Basra	1	95			2	38
Nineveh	2	127	1	59	1	76
Maysan						
Diwaniyah	1	38				
Diyala	1	22				
Anbar	1	31	1	14		
Babil	1	80	1	68	1	Newly established
Kerbala	1	26			1	Newly established
Kirkuk						
Wasit	1	Newly established				
Dhi Qar	1	20				
Muthanna	1	Newly established				
Salah ad-Din	1	28	1	22	1	41
Najaf	1	77	1	Newly established	1	86
Erbil	1	-		-		-
Duhok	1	-		-		-
Sulaymaniyah	1	-	1	-	1	-
Total	20	1,106	8	449	11	473

(Source(*1): WHO EMRO Health Professions Educations Web 2011
Others: MOH Annual report 2009)

2) Nurse and midwife**Number of students at nursing universities and colleges under MHESR in 2009**

Governorate	Dept. of medicine		Dept. of dentistry		Dept. of pharmaceutical science	
	Dept. of medicine (No.) ^{*1}	Graduates (/year)	Dept. of dentistry (No.) ^{*1}	Graduates (/year)	Dept. of Pharmaceutical Science (No.) ^{*1}	Graduates (/year)
Baghdad	4	562	2	286	3	232
Basra	1	95			2	38
Nineveh	2	127	1	59	1	76
Maysan						
Diwaniyah	1	38				
Diyala	1	22				
Anbar	1	31	1	14		
Babil	1	80	1	68	1	Newly established
Karbalaa	1	26			1	Newly established
Kirkuk						
Wasit	1	Newly established				
Theeqar	1	20				
Muthanna	1	Newly established				
Salaheddin	1	28	1	22	1	41
Najaf	1	77	1	Newly established	1	86
Erbil	1	-		-		-
Duhok	1	-		-		-
Sulaymaniyah	1	-	1	-	1	-
Total	20	1,106	8	449	11	473

(Source: Answers from MHESR to questionnaires)

Number of students at nursing schools and schools for midwives under MOH, 2009

Academic year	Nursing schools	Schools for midwives
1	3,186	665
2	2,543	416
3	1,515	264

Exclusive of the Kurdish area

(Source: MOH, Training of Staff Dept., 2011)

3) Specialized technician**Number of students at technical schools under MOH**

	2008/2009	2009/2010
Specialized technicians	3,216	3,460

(Source: MOH, Training of Staff Dept., 2011)

Appendix-15: Reference Document

Reference

No.	Title	Form Book/Video Map/Photo etc.	Original or Copy	Source	Date of Issue
1	National Development Plan 2010-2014	Book	Original	MOH	2010
2	WHO World Health Statistics 2011	Book	Copy	WHO	2011
3	Strategic Plan of the Iraqi Ministry of Health 2009-2013	Book	Copy	MOH	2009
4	Ministry of Health Annual Report 2009	Book	Copy	MOH	2010

